

Appendix A

Santa Rosa Endangered Species Act Survey

Santa Rosa Endangered Species Act Survey

Santa Rosa, Sonoma County, California



Prepared by:

HELIX Environmental Planning, Inc. (HELIX)

Principal Biologist:

Stephen Stringer, M.S.

Avondale, Arizona

July 26, 2019

Terracon Project No. CP197169

terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials



July 26, 2019

WD Schorsch LLC
694 Grandview Lane
Lake Forest, IL 60045

Attn: Mr. Ryan Fallows
E: ryanafallows@gmail.com
P: 847-482-0178

Re: Santa Rosa Endangered Species Act Survey
Santa Rosa, Sonoma County, California
Terracon Project No. CP197169

Dear Mr. Fallows:

Terracon Consultants, Inc. (Terracon) is pleased to submit Santa Rosa Endangered Species Act Survey at the above-referenced location for WD Schorsch LLC (client). At the request of the client, the Terracon team has prepared a letter report to document the results of a federal Endangered Species Act (ESA) conformity analysis for the Santa Rosa Community Based Outpatient Clinic (CBOC) project.

The proposed action area occurs within disturbed land that lacks suitable conditions for federally-listed species. Although the action area is located within United States Fish and Wildlife Service (USFWS) designated critical habitat for the Sonoma population of California tiger salamander, the site does not support any of the three primary constituent elements essential on the survival or conservation of California tiger salamander. Therefore, the proposed action would have no effect on federally-listed species or Critical Habitat and would be in compliance with the ESA.

If you have any questions or comments pertaining to the material presented herein, please contact Marilyn Zenko at (602) 239-4883 or at Marilyn.Zenko@terracon.com.

Sincerely,

Terracon

A handwritten signature in dark ink, appearing to read "Marilyn Zenko".

Marilyn Zenko
Natural and Cultural Resources Group Manager

Attachments: Endangered Species Act Compliance Letter for Santa Rosa Community Based Outpatient Clinic (CBOC)

July 26, 2019

TCI-68

Ms. Marilyn Zenko
Natural and Cultural Resources Group Manager
Terracon
1050 N. Fairway Drive, Building G, Suite 103
Avondale, AZ 85323

Subject: Endangered Species Act Compliance Letter for the Santa Rosa Community Based Outpatient Clinic (CBOC) Project

Dear Ms. Zenko:

At the request of Terracon, HELIX Environmental Planning, Inc. (HELIX) has prepared this letter report to document the results of a federal Endangered Species Act (ESA) conformity analysis for the Santa Rosa Community Based Outpatient Clinic (CBOC) Project (project or proposed action).

The purpose of this letter is to facilitate the Request for Lease Proposal (RLP) process with the Department of Veterans Affairs (VA) to demonstrate ESA compliance.

LOCATION AND DESCRIPTION OF PROPOSED ACTION

The proposed action area is generally located in the southwestern portion of the City of Santa Rosa (City), south of State Route (SR) 12 and east of highway 101. The action area is depicted in Section 28 of Township 07 South, Range 08 West of the *Sebastopol*, California U.S. Geological Survey (USGS) 7.5-minute quadrangle (Figure 1). More specifically, the action area is located on an undeveloped block north of Mercury Way, south of Capricorn Way, east of Apollo Way, and west of Corporate Center Parkway, in the City of Santa Rosa, California (Figure 2).

The 8.06-acre site is currently undeveloped ruderal land that has been regularly disked and contains several homeless encampments. The project would generally include removal of existing vegetation and construction of an outpatient clinic. The property is currently zoned for a business park with a conditional use permit for a 166,000 square foot office space. The surrounding area is developed with similar medical facilities.

METHODS

Prior to conducting fieldwork, HELIX performed a records search and generated a list of federally threatened and endangered species potential occurring in the action area using the USFWS' Information, Planning, and Conservation (IPAC) System website (USFWS 2019). HELIX also reviewed database records produced by the California Natural Diversity Database (CNDDB; CDFW 2019). The complete list of federally threatened and endangered species analyzed for this study is included in Attachment B. HELIX also performed a review of the USFWS' critical habitat data (USFWS 2019) and overlaid the most recent data with the proposed action area (Figure 3).

HELIX Principal Biologist Stephen Stringer, M.S. conducted a general biological survey of the project site on July 22, 2019 in order to assess existing vegetation communities and habitat types, evaluate the potential for sensitive plant and animal species to occur, and to identify other sensitive biological resource constraints associated with the project site. Particular attention was directed at confirming the absence of suitable habitat for federally listed species, in particular California tiger salamander (*Ambystoma californiense*). Mr. Stringer holds a Federal Recovery Permit for California tiger salamander (Central Distinct Population Segment; TE-141359-3). Nomenclature in this report follows Baldwin *et al.* (2012) for plants.

RESULTS

Existing Conditions Summary

The action area is comprised of an empty lot within a business park that has no apparent current or former site uses. The land use immediately surrounding the action area consists of commercial and residential development in addition to busy roadways. The site is bordered by roadways and office buildings on the north and east sides, by a Kaiser Permanente medical building on the south side, and by roadways, office buildings, and a vacant lot on the west side. Elevation in the action area is approximately 108 feet above mean sea level. The action area and the surrounding area are generally flat.

The only land cover type/vegetation community in the action area is ruderal disturbed habitat, which covers the entire lot. The lot appears to be routinely disked for fire protection and was apparently disked sometime during winter/spring 2019 based on site conditions. Several homeless encampments occur around the perimeter of the parcel and a constructed ditch bisects the parcel in an east/west direction. The constructed ditch does not appear to hold or convey water frequently and shows no indication of flow nor does it support a predominance of hydrophytic vegetation. A complete list of plant and wildlife species observed during the biological survey is enclosed as Attachment C.

Three soil types have been mapped in the proposed action area (Natural Resource Conservation Service [NRCS] 2019): Clear Lake clay (CfA), 0 to 2 percent slopes; Wright loam (WhA), 0 to 2 percent slopes; and Zamora silty clay loam (ZaA), 0 to 2 percent slopes. CfA has almost no slope with a restrictive layer at more than 80 inches below the soil surface. It is poorly drained with a

high runoff class. WhA has almost no slope with a restrictive layer at 25 inches below the soil surface. It is somewhat poorly drained with a high runoff class. ZaA has almost no slope with a restrictive layer at more than 80 inches below the soil surface. It is well drained with a medium runoff class.

Federally-Listed Plant Species

There are no native or naturalized plant communities on the site and no potential habitats that could support federally-listed plant species. No federally-listed plant species were observed during the biological survey; none have the potential to occur within the proposed action area due to lack of suitable habitat (Attachment A). The vegetation community in the proposed action area consists of ruderal disturbed habitat dominated by a near monoculture of non-native wild oats (*Avena fatua*) and containing a limited amount of other non-native annual grasses and forbs. The constructed ditch located on site did not exhibit wetland characteristics and does not appear to carry or hold water for a sufficient duration to support a predominance of hydrophytic vegetation or support any hydric soil indicators. Additionally, the site is regularly disked, preventing the colonization of federally-listed plant species. Suitable soils, hydrology, and vegetation associations for federally-listed plant species do not occur. Therefore, federally-listed plant species are presumed to be absent from the proposed action area.

Federally-Listed Animal Species

No federally-listed animal species were observed during the biological survey; none would be expected to occur within the proposed action area due to lack of suitable habitat (Attachment A). The project site consists of ruderal disturbed habitat dominated by non-native species and is surrounded by existing busy roadways and commercial and residential development, thereby reducing the likelihood for federally-listed animal species to disperse or migrate over the site and immediate vicinity. Therefore, federally-listed animal species are presumed to be absent from the proposed action area.

An assessment was conducted to determine the potential for the site to be occupied by California tiger salamander due to the presence of mapped Critical Habitat in the City of Santa Rosa, which overlaps the site. There are several reported occurrences of California tiger salamander in the CNDDDB within a 1.25-mile radius of the action area, including a reported occurrence located approximately 366 feet west of the site at an old airport with upland and aquatic habitat. However, the determination was made that there is no potential for California tiger salamander to occur on the site because there is no aquatic habitat on the site that could support breeding, the upland habitat is of poor value and could not support this species, and the site is separated from the nearest suitable habitat by a business park and roadways with no suitable dispersal corridors between the nearest habitat and the site. The site was searched comprehensively for mammal burrows and none were observed, likely due to routine disking. Therefore, the site lacks upland refugia for California tiger salamander. If this species were to disperse onto the site through the surrounding development, it would perish due to a lack of refugia.

Critical Habitat

The proposed action area is located within Critical Habitat mapped for California tiger salamander, a federally listed as threatened species (Figure 3). A Critical Habitat designation does not necessarily restrict further development in an area and an area is only Critical Habitat if the primary constituent elements are present for the species. The three primary constituent elements for the Sonoma California tiger salamander outlined in (76 FR 54346–54372) include the following:

- (1) Standing bodies of fresh water ponds, vernal pools, and other ephemeral or permanent water bodies that typically support inundation during the winter and early spring and hold water for a minimum of 12 consecutive weeks in a year of average rainfall.
- (2) Upland habitats adjacent to and accessible from breeding ponds that contain small mammal burrows or other underground refugia that the species depends upon for food, shelter and protection from the elements or predation.
- (3) Accessible upland dispersal habitat between locations occupied by the species that allow for movement between sites.

The project site lacks all three primary constituent elements of the Sonoma population of California tiger salamander habitat, which include breeding, upland and dispersal habitats. No small mammal burrows or burrowing mammals were observed during the July 22, 2019 survey. There are no wetlands or vernal pools on site that could support breeding with sufficient water to last 12 consecutive weeks; the constructed ditch located on site is not a wetland and does not convey water. Additionally, the adjacent properties contain commercial and residential development that isolate this location from nearby areas occupied by California tiger salamander. Busy roadways and urbanization can form permanent physical barriers against dispersal during migration seasons (USFWS 2016). Additionally, since upland refuge habitat is absent from the site, there is no holding quality to the site to support California tiger salamander in uplands if they were to manage to disperse to the site.

RATIONALE FOR NO EFFECT DETERMINATION

The proposed action area contains ruderal disturbed habitat and is completely surrounded by existing development and roads. In addition, the majority of vegetation on site are non-native annual grasses and forbs. Suitable habitat for federally-listed plant and animal species is absent from the action area.

No federally-listed plant or wildlife species were found during the July 22, 2019 biological survey, nor are any expected to occur. Colonization of federally-listed plants species is not possible due to the lack of suitable habitat and soil present on site. The project area and surrounding vicinity are not suitable for and would not support any federally-listed plant species. Although the federally listed California tiger salamander does occur nearby and is regularly documented in the vicinity, these occurrences are in areas that support aquatic breeding habitat

with adjoining upland refuge habitat and are contiguous with other suitable breeding and upland areas in the region (dispersal habitat). The project site is physically isolated from California tiger salamander breeding and upland habitat and does not support any of the primary constituent elements on site. Urbanization in the form of roads or development can form permanent physical barriers against dispersal during migration seasons and can reduce or eliminate breeding sites and/or portions of metapopulations (USFWS 2016). Since the site is physically isolated, and habitat is not present, California tiger salamander is not expected to be present or persist on this site.

CONCLUSION

As demonstrated, the proposed action area occurs entirely within disturbed land that lacks suitable conditions for federally-listed species. Although the action area is located within USFWS designated critical habitat for the Sonoma population of California tiger salamander, the site does not support any of the three primary constituent elements essential on the survival or conservation of California tiger salamander. Therefore, the proposed action would have no effect on federally-listed species or Critical Habitat and would be in compliance with the ESA.

We appreciate the opportunity to provide you with this letter. Please don't hesitate to contact me at (916) 365-8716 if you have any questions.

Sincerely,



Stephen Stringer, M.S.
Principal Biologist

Enclosures:

Attachment A Figures

- Figure 1 Project Vicinity (Aerial Photograph)
- Figure 2 Project Vicinity (USGS Topography)
- Figure 3 USFWS Critical Habitat

Attachment B Federally-Listed Plant and Animal Species with Potential to Occur

Attachment C Plant and Animal Species Observed or Otherwise Detected

Attachment D USFWS IPaC Report

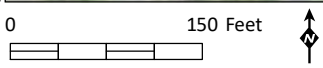
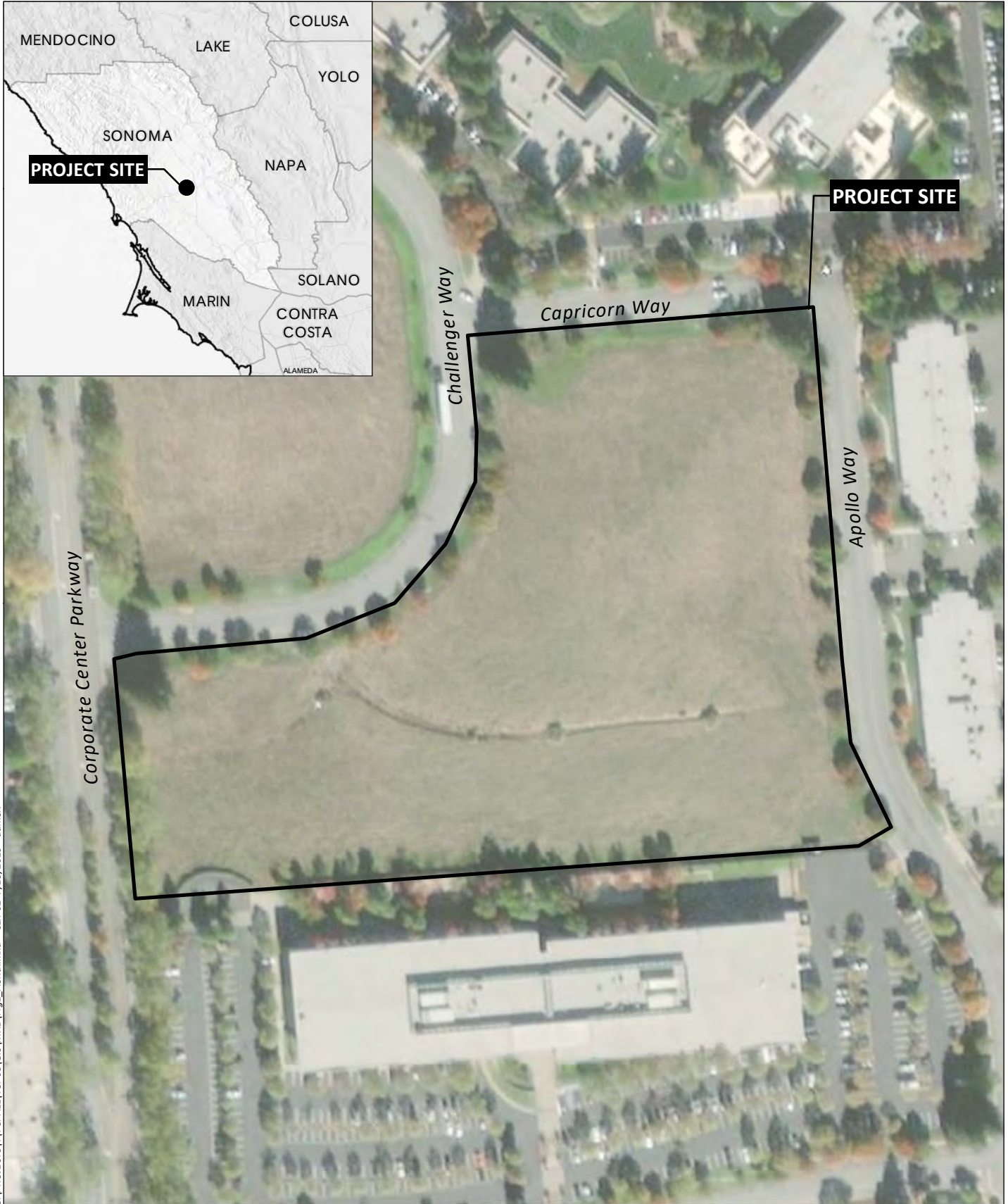
Attachment E CDFW California Natural Diversity Database Report

REFERENCES

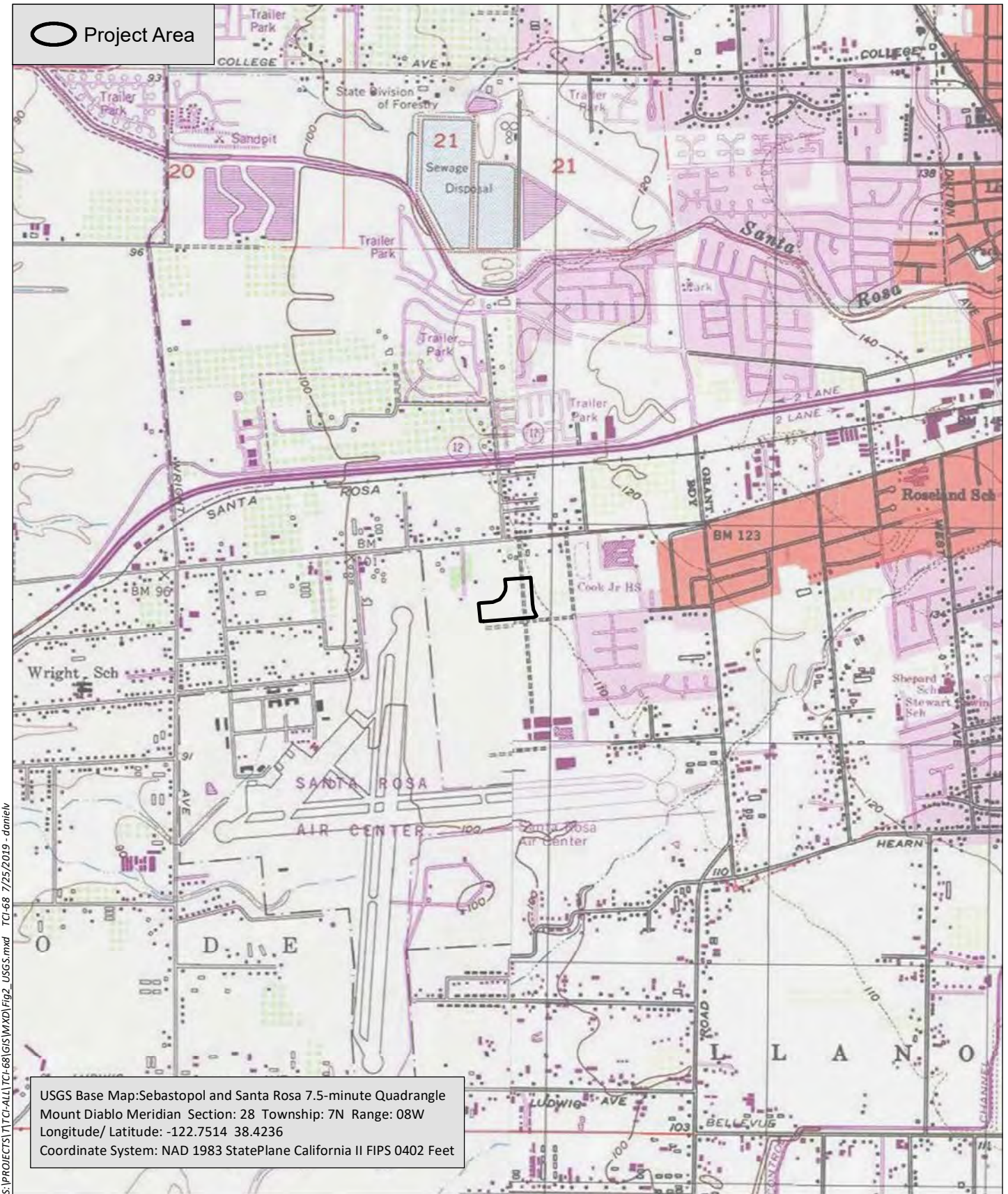
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- California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDDB). 2019. RareFind 5. Data updated December.
- Natural Resource Conservation Service (NRCS). 2019. National Resource Conservation Service Web Soil Survey. <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>.
- U.S. Fish and Wildlife Service (USFWS). 2011. Final Rule – Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Sonoma County Distinct Population Segment of California Tiger Salamander. August 31, 2011. 76(169); 54346-54372.
- _____. U.S. Fish and Wildlife Service. 2016. Recovery Plan for the Santa Rosa Plain: *Blennosperma bakeri* (Sonoma sunshine); *Lasthenia burkei* (Burke's goldfields); *Limnanthes vinculans* (Sebastopol meadowfoam); California Tiger Salamander Sonoma County Distinct Population Segment (*Ambystoma californiense*). U.S. Fish and Wildlife Service, Pacific Southwest Region, Sacramento, California. vi + 128 pp.
- _____. 2019a. Information for Planning and Conservation (IPaC) List of Endangered Species. Available at: <https://ecos.fws.gov/ipac/>
- _____. 2019b. USFWS Critical Habitat Mapper. Available at: <http://fws.maps.arcgis.com/home/webmap/viewer.html?webmap=9d8de5e265ad4fe09893cf75b8dbfb77>

Attachment A

Figures



Source: Base Map Layers (Esri, USDA, USGS); Data (Lake County)





Attachment B

Federally-Listed Plant and Animal
Species with Potential to Occur

Attachment B
Federally-Listed Plant and Animal Species with Potential to Occur¹ – Santa Rosa Community Based Outpatient Clinic

Table B-1
FEDERALLY-LISTED PLANT SPECIES WITH POTENTIAL TO OCCUR

Species Name	Common Name	Federal Status²	Habit, Ecology and Life History	Potential to Occur³
Plants				
<i>Alopecurus aequalis</i> var. <i>sonomensis</i>	Sonoma alopecurus	FE	Small perennial herb. Occurs in freshwater marshes and swamps, riparian scrub. Elevation range 15–1,200 feet (ft). Flowers May – July.	None. Suitable habitat not present on site.
<i>Astragalus clarianus</i>	Clara Hunt's milk-vetch	FE	Annual herb. Occurs on clay soils derived from volcanic/serpentine substrates. Elevation range 250–700 ft. Flowers March – May.	None. Suitable habitat not present on site.
<i>Blennosperma bakeri</i>	Sonoma sunshine	FE	Annual shrub. Occurs in mesic valley and foothill grasslands and vernal pools. Elevation 30–350 ft. Flowers March – May.	None. Suitable habitat not present on site.
<i>Carex albida</i>	white sedge	FE	Perennial grass like herb. Found on freshwater marshes, bogs and fens. Elevation 2,000 – 10,000 ft. Flowers May – July.	None. Suitable habitat not present on site. Taxon has recently been revised to <i>Carex lemmonii</i> , a common taxon. ⁴
<i>Chorizanthe valida</i>	Sonoma spineflower	FE	Annual herb. Occurs in sandy coastal prairies. Elevation 30–1000 ft. Flowers June – August.	None. Suitable habitat not present on site.
<i>Clarkia imbricata</i>	Vine Hill clarkia	FE	Annual herb. Occurs in acidic sandy loam soils and chaparral and valley/foothill grassland habitat. Elevation 160–250 ft. Flowers June–August.	None. Suitable habitat not present on site.

Table B-1
FEDERALLY-LISTED PLANT SPECIES WITH POTENTIAL TO OCCUR

Species Name	Species Name	Species Name	Species Name	Species Name
Plants (cont.)				
<i>Delphinium luteum</i>	yellow larkspur	FE	Perennial herb. Occurs in rocky soils in chaparral, coastal prairie, and coastal scrub habitats. Elevation 0–350 ft. Flowers March – May.	None. Suitable habitat not present on site.
<i>Lasthenia burkei</i>	Burke's goldfields	FE	Small annual herb. Occurs in meadows, seeps and vernal pools. Elevation range 50–2,000 feet (ft). Flowers April – June.	None. Suitable habitat not present on site.
<i>Lilium pardalinum</i> ssp. <i>pitkinense</i>	Pitkin marsh lily	FE	Perennial bulbiferous herb. Occurs in mesic, sandy soils in cismontane woodland, meadows, seeps, and freshwater marshes and swamps. Elevation range 100–200 ft. Flowers period June – July.	None. Suitable habitat not present on site.
<i>Limnanthes vinculans</i>	Sebastopol meadowfoam	FE	Annual herb. Occurs in vernal mesic soils in meadows, seeps, vernal pools and valley/foothill grasslands. Elevation 50–1,000 ft. Flowering April – May.	None. Suitable habitat not present on site.
<i>Trifolium amoenum</i>	showy Indian clover	FE	Annual herb. Occurs in coastal bluff scrub and valley/foothill grasslands, occasionally on serpentinite soil. Elevation 15–1,400 ft. Flowers April – June.	None. Suitable habitat not present on site.

Table B-2
FEDERALLY-LISTED ANIMAL SPECIES WITH POTENTIAL TO OCCUR

Species Name	Common Name	Status ²	Habit, Ecology and Life History	Potential to Occur ³
Animals				
Invertebrates				
<i>Callophrys mossii bayensis</i>	San Bruno elfin butterfly	FE	Inhabits north-facing slopes on San Bruno Mountain and nearby summits on the Peninsula south of San Francisco. Larvae are restricted to stonecrop (<i>Sedum spathulifolium</i>), which grows on steep slopes in chaparral from 50 – 2,500 m above mean sea level.	None. Suitable coastal scrub habitat and larval host plant does not occur on the project site.
Birds				
<i>Strix occidentalis caurina</i>	northern spotted owl	FT	Inhabits older forested habitats characterized by forest stands with moderate to high canopy closure; multi-species canopies of with large overstory trees; large standing and fallen dead trees.	Not Expected. Suitable forested habitat not present.
Reptiles				
<i>Chelonia mydas</i>	green sea turtle	FT	Occurs in shallow waters inside reefs, bays, and inlets. The turtles are attracted to lagoons and shoals with an abundance of marine grass and algae. Open beaches with a sloping platform and minimal disturbance are required for nesting.	None. Suitable aquatic habitat not present. The site is inland and not located on the coast.

Table B-2
FEDERALLY-LISTED ANIMAL SPECIES WITH POTENTIAL TO OCCUR

Species Name	Common Name	Status ²	Habit, Ecology and Life History	Potential to Occur ³
<i>Amphibians</i>				
<i>Rana draytonii</i>	California red-legged frog	FT	Requires a variety of habitat elements, including riparian and upland dispersal habitats. Breeding sites are in aquatic habitats. Upland habitats with downed woody vegetation, leaf litter, and small mammal burrows provide protection from predators and prevent desiccation.	Not Expected. Suitable habitat not present.
<i>Ambystoma californiense</i>	California tiger salamander (Sonoma Distinct Population Segment)	FE	California tiger salamanders are generally restricted to vernal pools and seasonal ponds, including many constructed stock ponds, in grassland and oak savannah plant communities below 200 feet (USFWS 2016). This species spends the majority of its life in upland areas in the vicinity of suitable breeding ponds, where it inhabits rodent burrows. In order to provide suitable habitat for this species, suitable breeding habitat must be present in combination with suitable upland habitat (USFWS 2016). Capable of dispersing up to 1.5 miles, but typically between 0.75 to 1.3 miles between upland habitat and breeding habitat (USFWS 2016).	Not Expected. Suitable vernal pool habitat not present. Upland habitat is of poor value and is physically isolated by developed areas with paved surfaces from potential habitat within 1.25 miles of the project site with documented California tiger salamander records. The nearest CNDDB record is located approximately 366 feet west of the site at an old airport with upland and aquatic habitat. Site is within federally designated Critical Habitat.

Table B-2
FEDERALLY-LISTED ANIMAL SPECIES WITH POTENTIAL TO OCCUR

Species Name	Common Name	Status ²	Habit, Ecology and Life History	Potential to Occur ³
Crustaceans				
<i>Syncaris pacifica</i>	California freshwater shrimp	FE	Occurs in small, perennial coastal streams with exposed live roots of trees Banks have overhanging woody debris or stream vegetation and vines such as stinging nettles, grasses, vine maple and mint.	Not Expected. Suitable riparian habitat not present.

¹Sensitive species reported within 5 miles of the project site.

²Listing is as follows: FE = Federally Endangered; FT = Federally Threatened

³Potential to Occur is assessed as follows. **None:** Species is either sessile (*e.g.* plants) or so limited to a particular habitat that it cannot disperse on its own (*e.g.* fairy shrimp), and habitat suitable for its survival does not occur on the project site; **Not Expected:** Species moves freely and might disperse through or across the project site, but suitable habitat for residence or breeding does not occur on the project site; **Low:** Suitable habitat is present on the project site but is of low quality and no sign of the species was observed during surveys, however the species cannot be excluded with certainty; **High:** Suitable habitat occurs on the project site and the species has been recorded recently on or near the site, but was not observed during surveys for the current project; **Presumed Present:** The species was observed during biological surveys for the current project and is assumed to occupy the project site. **Presumed Absent:** Valid protocol surveys for the species were negative and the species is assumed to not occupy the site.

⁴California Native Plant Society, Rare Plant Program. 2019. Inventory of Rare and Endangered Plants of California (online edition, v8-03 0.39). Website <http://www.rareplants.cnps.org> [accessed 22 July 2019].

Attachment C

Plant and Animal Species
Observed or Otherwise
Detected

Attachment C
Plant and Animal Species Observed or Otherwise Detected

<u>Order/Family</u>	<u>Scientific Name</u>	<u>Common Name</u>
Plants		
Asterales		
Asteraceae	<i>Baccharis pilularis</i>	coyote brush
	<i>Cichorium intybus</i> *	common chicory
	<i>Helminthotheca echioides</i> *	bristly oxtongue
	<i>Lactuca serriola</i> *	prickly lettuce
Brassicales		
Brassicaceae	<i>Rahanus raphanistrum</i> *	wild radish
Caryophyllales		
Polygonaceae	<i>Rumex crispus</i> *	curly dock
Gentianales		
Apocynaceae	<i>Asclepias fascicularis</i>	narrowleaf milkweed
Poales		
Poaceae	<i>Avena fatua</i> *	wild oats
	<i>Bromus diandrus</i> *	Ripgut brome
	<i>Festuca perennis</i> *	Italian ryegrass
	<i>Hordeum murinum</i> *	barley
	<i>Paspalum dilatatum</i> *	dallisgrass
Solanales		
Convolvulaceae	<i>Convolvulus arvensis</i> *	field bindweed
Sapindales		
Anacardiaceae	<i>Schinus terebinthifolius</i>	Brazilian pepper tree
Vertebrates		
Birds		
Galliformes		
Phasianidae	<i>Meleagris gallopavo</i>	wild turkey
Mammals		
Lagomorpha		
Leporidae	<i>Sylvilagus audubonii</i>	desert cottontail

*Non-native species

Attachment D

USFWS IPaC Report



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Sacramento Fish And Wildlife Office

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

Phone: (916) 414-6600 Fax: (916) 414-6713



In Reply Refer To:

May 23, 2019

Consultation Code: 08ESMF00-2019-SLI-2007

Event Code: 08ESMF00-2019-E-06410

Project Name: SantaRosaOPC-JTW052319

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, under the jurisdiction of the U.S. Fish and Wildlife Service (Service) that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the Service under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Please follow the link below to see if your proposed project has the potential to affect other species or their habitats under the jurisdiction of the National Marine Fisheries Service:

http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Sacramento Fish And Wildlife Office

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

(916) 414-6600

Project Summary

Consultation Code: 08ESMF00-2019-SLI-2007

Event Code: 08ESMF00-2019-E-06410

Project Name: SantaRosaOPC-JTW052319

Project Type: ** OTHER **

Project Description: TBD

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/38.42353731800531N122.75096358914489W>



Counties: Sonoma, CA

Endangered Species Act Species

There is a total of 17 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Birds

NAME	STATUS
Northern Spotted Owl <i>Strix occidentalis caurina</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1123	Threatened

Reptiles

NAME	STATUS
Green Sea Turtle <i>Chelonia mydas</i> Population: East Pacific DPS No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6199	Threatened

Amphibians

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2891	Threatened
California Tiger Salamander <i>Ambystoma californiense</i> Population: U.S.A. (CA - Sonoma County) There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2076	Endangered

Insects

NAME	STATUS
San Bruno Elfin Butterfly <i>Callophrys mossii bayensis</i> There is proposed critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3394	Endangered

Crustaceans

NAME	STATUS
California Freshwater Shrimp <i>Syncaris pacifica</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7903	Endangered

Flowering Plants

NAME	STATUS
Burke's Goldfields <i>Lasthenia burkei</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4338	Endangered
Clara Hunt's Milk-vetch <i>Astragalus clarianus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/3300	Endangered
Pitkin Marsh Lily <i>Lilium pardalinum ssp. pitkinense</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/570	Endangered
Sebastopol Meadowfoam <i>Limnanthes vinculans</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/404	Endangered
Showy Indian Clover <i>Trifolium amoenum</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6459	Endangered
Sonoma Alopecurus <i>Alopecurus aequalis var. sonomensis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/557	Endangered
Sonoma Spineflower <i>Chorizanthe valida</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7698	Endangered
Sonoma Sunshine <i>Blennosperma bakeri</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1260	Endangered
Vine Hill Clarkia <i>Clarkia imbricata</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7044	Endangered
White Sedge <i>Carex albida</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/3063	Endangered
Yellow Larkspur <i>Delphinium luteum</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/3578	Endangered

Critical habitats

There is 1 critical habitat wholly or partially within your project area under this office's jurisdiction.

NAME	STATUS
California Tiger Salamander <i>Ambystoma californiense</i> https://ecos.fws.gov/ecp/species/2076#crithab	Final

Attachment E

CDFW California Natural
Diversity Database Report



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Accipiter cooperii</i> Cooper's hawk	ABNKC12040	None	None	G5	S4	WL
<i>Ambystoma californiense</i> California tiger salamander	AAAAA01180	Threatened	Threatened	G2G3	S2S3	WL
<i>Amsinckia lunaris</i> bent-flowered fiddleneck	PDBOR01070	None	None	G3	S3	1B.2
<i>Andrena blennospermatis</i> Blennosperma vernal pool andrenid bee	IIHYM35030	None	None	G2	S2	
<i>Blennosperma bakeri</i> Sonoma sunshine	PDAST1A010	Endangered	Endangered	G1	S1	1B.1
<i>Bombus caliginosus</i> obscure bumble bee	IIHYM24380	None	None	G4?	S1S2	
<i>Downingia pusilla</i> dwarf downingia	PDCAM060C0	None	None	GU	S2	2B.2
<i>Elanus leucurus</i> white-tailed kite	ABNKC06010	None	None	G5	S3S4	FP
<i>Emys marmorata</i> western pond turtle	ARAAD02030	None	None	G3G4	S3	SSC
<i>Hemizonia congesta ssp. congesta</i> congested-headed hayfield tarplant	PDAST4R065	None	None	G5T2	S2	1B.2
<i>Lasthenia burkei</i> Burke's goldfields	PDAST5L010	Endangered	Endangered	G1	S1	1B.1
<i>Legenere limosa</i> legenere	PDCAM0C010	None	None	G2	S2	1B.1
<i>Leptosiphon jepsonii</i> Jepson's leptosiphon	PDPLM09140	None	None	G2G3	S2S3	1B.2
<i>Lilium pardalinum ssp. pitkinense</i> Pitkin Marsh lily	PMLIL1A0H3	Endangered	Endangered	G5T1	S1	1B.1
<i>Limnanthes vincularis</i> Sebastopol meadowfoam	PDLIM02090	Endangered	Endangered	G1	S1	1B.1
<i>Linderiella occidentalis</i> California linderiella	ICBRA06010	None	None	G2G3	S2S3	
<i>Navarretia leucocephala ssp. bakeri</i> Baker's navarretia	PDPLM0C0E1	None	None	G4T2	S2	1B.1
<i>Taxidea taxus</i> American badger	AMAJF04010	None	None	G5	S3	SSC
<i>Trifolium amoenum</i> two-fork clover	PDFAB40040	Endangered	None	G1	S1	1B.1
<i>Trifolium buckwestiorum</i> Santa Cruz clover	PDFAB402W0	None	None	G2	S2	1B.1
<i>Trifolium hydrophilum</i> saline clover	PDFAB400R5	None	None	G2	S2	1B.2

Record Count: 21

Appendix B

Cultural Resources Records Search Results



Rincon Consultants, Inc.

4825 J Street, Suite 200
Sacramento, California 95819

916 706 1374 OFFICE AND FAX

info@rinconconsultants.com
www.rinconconsultants.com

October 25, 2018
Project No: 18-06694

William Schorsch
W.D. Schorsch, LLC
694 Grandview Lane
Lake Forest, IL 60045
Via email: wschorsch@sbcglobal.net

Subject: Cultural Resources Records Search for the Challenger Way Project, Santa Rosa, Sonoma County, California

Dear Mr. Schorsch:

Rincon Consultants, Inc. (Rincon) was retained by W.D. Schorsch, LLC to provide the results of a cultural resources records search for the Challenger Way Project (project) located on Challenger Way between Corporate Center Parkway and Apollo Way (Figure 1).

Cultural Resources Records Search

On October 23, 2018, Rincon conducted a records search of the California Historical Resources Information System (CHRIS) at the Northwest Information Center (NWIC) located at Sonoma State University. The search was conducted to identify previous cultural resources studies and previously recorded cultural resources within a 0.5-mile radius of the project site. The CHRIS search included a review of the National Register of Historic Places (NRHP), the California Register of Historical Resources (CRHR), the California Points of Historical Interest list, the California Historical Landmarks list, the Archaeological Determinations of Eligibility list, and the California State Historic Resources Inventory list.

The NWIC records search identified seventeen previously conducted studies within a 0.5-mile radius of the project site. Of these, one (S-1623) included the project site. Study S-1623 was conducted in 1979 and included a combination of pedestrian survey and limited soil sampling. The study did not identify any cultural resources within the current project area.

The NWIC records search identified 11 cultural resources within a 0.5-mile radius of the project site. Of these resources, ten are historic buildings and one is an archaeological site of Native American origin. The archaeological site is located approximately 645 meters (2,120 feet) from the current project site.

Discussion and Recommendations

The project site has been previously surveyed for cultural resources and no cultural resources are known to exist within or directly adjacent to the project site. Thus, no critical constraints are apparent for this project site.

Although constraints are apparent based on the results of the records search, the previous survey was conducted nearly 40 years ago. Cultural resources studies are considered out of date after five years due to changing project site characteristics and changing professional standards. An updated cultural resources survey and technical report will likely be necessary for adequate environmental review under the California Environmental Quality Act and/or Section 106 of the National Historic Preservation Act.

Please do not hesitate to contact Rincon Consultants if you have any questions regarding these findings.

Sincerely,

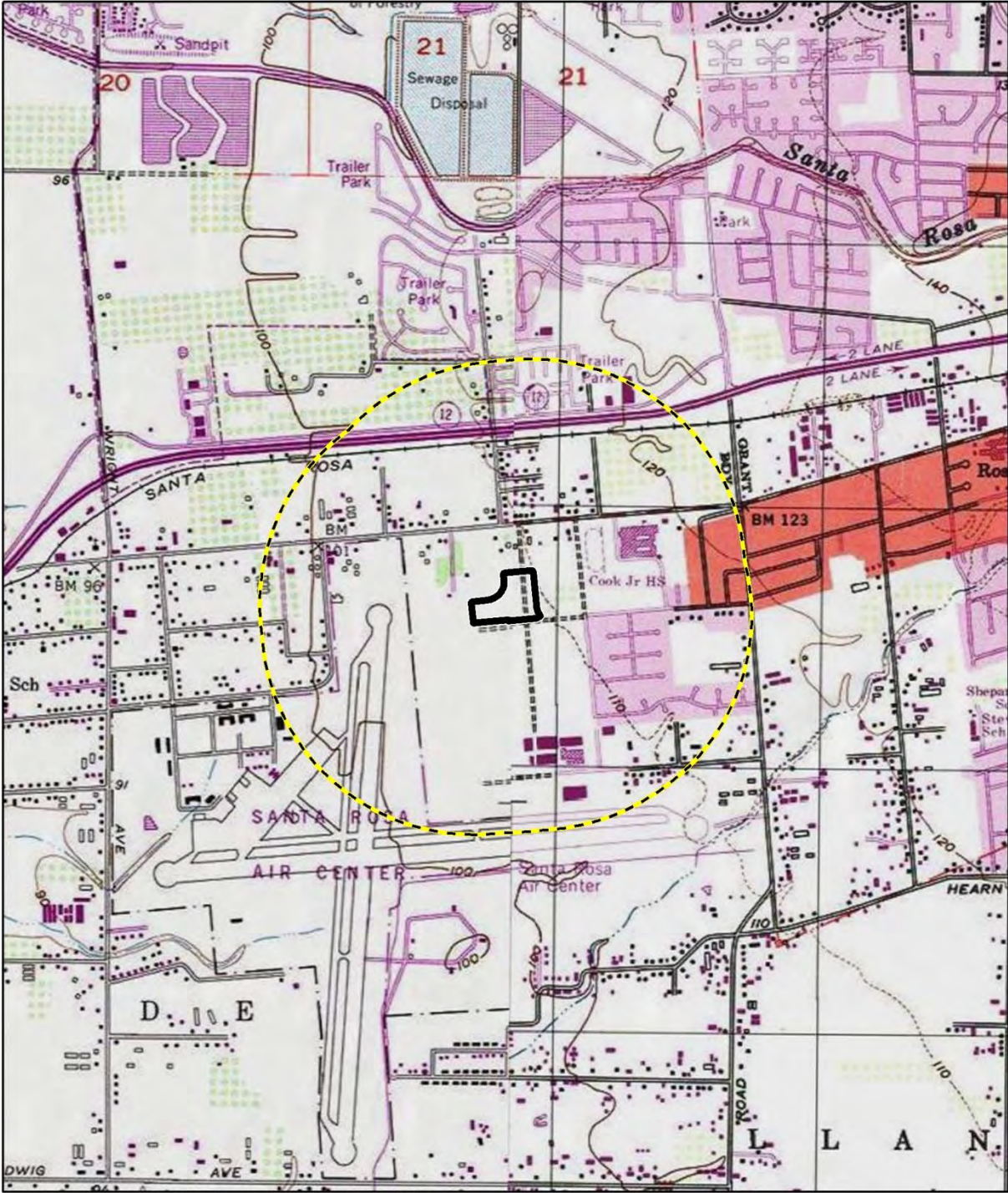
Rincon Consultants, Inc.



Hannah Haas, M.A., RPA
Archaeologist & Project Manager



Joe Power, AICP CEP
Vice President/Principal



Imagery provided by National Geographic Society, Esri and its licensors © 2018.
Sebastopol & Santa Rosa Quadrangles. T07N R08W S21, 27-29, 33. The topographic
representation depicted in this map may not portray all of the features currently
found in the vicinity today and/or features depicted in this map may have changed
since the original topographic map was assembled.

 Area of Potential Effects
 Half-Mile Buffer

N
0 1,000 2,000
Feet

Figure 1. Project Location and Records Search Radius



NATIVE AMERICAN HERITAGE COMMISSION

January 24, 2020

Sharon Wright
City of Santa RosaVia Email to: swright@lamphier-gregory.comCHAIRPERSON
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PomoNAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

Re: Native American Tribal Consultation, Pursuant to the Assembly Bill 52 (AB 52), Amendments to the California Environmental Quality Act (CEQA) (Chapter 532, Statutes of 2014), Public Resources Code Sections 5097.94 (m), 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2 and 21084.3, Veterans Administration Community-Based Outpatient Clinic Project, Sonoma County

Dear Ms. Wright:

Pursuant to Public Resources Code section 21080.3.1 (c), attached is a consultation list of tribes that are traditionally and culturally affiliated with the geographic area of the above-listed project. Please note that the intent of the AB 52 amendments to CEQA is to avoid and/or mitigate impacts to tribal cultural resources, (Pub. Resources Code §21084.3 (a)) ("Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource.")

Public Resources Code sections 21080.3.1 and 21084.3(c) require CEQA lead agencies to consult with California Native American tribes that have requested notice from such agencies of proposed projects in the geographic area that are traditionally and culturally affiliated with the tribes on projects for which a Notice of Preparation or Notice of Negative Declaration or Mitigated Negative Declaration has been filed on or after July 1, 2015. Specifically, Public Resources Code section 21080.3.1 (d) provides:

Within 14 days of determining that an application for a project is complete or a decision by a public agency to undertake a project, the lead agency shall provide formal notification to the designated contact of, or a tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, which shall be accomplished by means of at least one written notification that includes a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation pursuant to this section.

The AB 52 amendments to CEQA law does not preclude initiating consultation with the tribes that are culturally and traditionally affiliated within your jurisdiction prior to receiving requests for notification of projects in the tribe's areas of traditional and cultural affiliation. The Native American Heritage Commission (NAHC) recommends, but does not require, early consultation as a best practice to ensure that lead agencies receive sufficient information about cultural resources in a project area to avoid damaging effects to tribal cultural resources.

The NAHC also recommends, but does not require that agencies should also include with their notification letters, information regarding any cultural resources assessment that has been completed on the area of potential effect (APE), such as:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:

- A listing of any and all known cultural resources that have already been recorded on or adjacent to the APE, such as known archaeological sites;
- Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response;
- Whether the records search indicates a low, moderate, or high probability that unrecorded cultural resources are located in the APE; and
- If a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present.

2. The results of any archaeological inventory survey that was conducted, including:

- Any report that may contain site forms, site significance, and suggested mitigation measures.

All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code section 6254.10.

3. The result of any Sacred Lands File (SLF) check conducted through the Native American Heritage Commission was positive. Please contact the tribes on the attached list for more information.

4. Any ethnographic studies conducted for any area including all or part of the APE; and

5. Any geotechnical reports regarding all or part of the APE.

Lead agencies should be aware that records maintained by the NAHC and CHRIS are not exhaustive and a negative response to these searches does not preclude the existence of a tribal cultural resource. A tribe may be the only source of information regarding the existence of a tribal cultural resource.

This information will aid tribes in determining whether to request formal consultation. In the event that they do, having the information beforehand will help to facilitate the consultation process.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our consultation list remains current.

If you have any questions, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,



Andrew Green
Staff Services Analyst

Attachment

Appendix C

Phase I Environmental Site Assessment

Phase I Environmental Site Assessment

Proposed Veterans Affairs Center

Southwest Corner of Capricorn Way and Apollo Way

Santa Rosa, Sonoma County, California

August 16, 2019

Terracon Project No. NB197196



Prepared for:

JTW Development LLC
Lake Forest, Illinois

Prepared by:

Terracon Consultants, Inc.
Sacramento, California

terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials

August 16, 2019



JTW Development LLC
694 Grandview Lane
Lake Forest, Illinois 60045

Attn: Mr. Joshua Hausman
P: (847) 482-0178
E: joshhausman@sbcglobal.net

Re: Phase I Environmental Site Assessment
Proposed Veterans Affairs Center
Southwest Corner of Capricorn Way and Apollo Way
Santa Rosa, Sonoma County, California 95407
Terracon Project No. NB197196

Dear Mr. Hausman:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. This assessment was performed in accordance with Terracon Proposal No. PNB197196 dated August 7, 2019.

We appreciate the opportunity to be of service to you on this project. In addition to Phase I services, our professionals provide geotechnical, environmental, construction materials, and facilities services on a wide variety of projects locally, regionally and nationally. For more detailed information on all of Terracon's services please visit our website at www.terracon.com. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,
Terracon Consultants, Inc.

A handwritten signature in blue ink, appearing to read 'B. Carey', is written over a horizontal line.

Brian Carey, P.G.
Senior Geologist

A handwritten signature in blue ink, appearing to read 'Kristin Stout', is written over a horizontal line. To the right of the signature, the word 'For:' is written in blue ink.

Kristin Stout
Group Manager

Attachments

Terracon Consultants Inc. 50 Golden Land Ct, Ste 100 Sacramento, CA 95834-2425

P 916-928-4690 F 916-928-4697 terracon.com

Environmental



Facilities



Geotechnical



Materials

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EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance with Terracon Proposal No. PNB197196 dated August 7, 2019 and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* and Client Scope of Work. The ESA was conducted under the supervision or responsible charge of Kristin Stout, Environmental Professional. Steven N. Claar performed the site reconnaissance on August 8, 2019.

Findings and Opinions

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use

The site is located at the southwest corner of Capricorn Way and Apollo Way, Santa Rosa, Sonoma County, California, Assessor Parcel Numbers (APNs) 035-112-034 and 035-112-035. The site consists of an approximately 8.07 acres of vacant land. During the site reconnaissance, the site was observed as vacant land with no current operations.

Historical Information

Based on a review of the historical information, the site consisted of undeveloped land from as early as 1935. From the early 1940s through the early 1980s, the majority of the site was used for row crops with a small strip on the eastern portion of the site used for orchards. The site was cleared by the mid-1980s and has remained as vacant land through the present. The existing stormwater swale was developed on the central portion of the site in the late 2000s.

The properties adjoining the site consisted of undeveloped land from as early as 1935. The properties to the adjoining north of the site consisted of agricultural land and associated structures from the early 1940s through the early 1980s. The adjoining northern properties were redeveloped with the existing roads in the mid-1980s and existing office buildings in the early 1990s. The properties to the adjoining east of the site consisted of orchards from the early 1940s through the early 1980s and were developed with the existing road, office buildings, and residential neighborhood from the mid-1980s through the early 2000s. The properties to the adjoining south and west of the site consisted of row crops from the early 1940s through the early 1970s, cleared in the early 1980s and were redeveloped with the existing warehouse and office buildings from the mid-1980s through late 2000s.

The site was utilized as agricultural land including a small portion of orchards from at least 1942 through 1982. The historic agricultural activities in these areas may have included the use of pesticides and herbicides. Most currently used agricultural chemicals do not persist in near

Phase I Environmental Site Assessment

Proposed Veterans Affairs Center ■ Santa Rosa, California

August 16, 2019 ■ Terracon Project No. NB197196



surface soil for extended periods of time, if applied appropriately. During the review of historic information and site reconnaissance, Terracon did not identify information that would indicate the extensive use, storage, or manufacturing of pesticides or herbicides on the site. In addition, the surrounding areas have been redeveloped for both commercial and residential purposes, with no reported incidents of impacts that may be attributed to historical agricultural uses. Therefore, the historical agricultural use does not appear to be a REC to the site.

Records Review

Selected federal and state environmental regulatory databases as well as responses from state and local regulatory agencies were reviewed. The site was not identified in the current regulatory databases. Nearby facilities listed in the database report do not appear to represent RECs to the site based upon regulatory status, apparent topographic gradient, and/or distance from the site.

Site Reconnaissance

During the site reconnaissance, Terracon observed non-hazardous waste, consisting of household plastics and wood debris, and a stormwater drainage swale. Based on site observations, RECs were not observed during the site reconnaissance.

Adjoining Properties

The properties to the adjoining north of the site consist of multi-tenant office buildings (2255 Challenger Way and 2227 Capricorn Way). The properties to the adjoining east of the site consist of a multi-tenant office building (1000 Apollo Way) and the North Coast Builders Exchange (1030 Apollo Way). The properties to the adjoining south of the site consists of a multi-tenant office building (2235 Mercury Way). The properties to the adjoining west of the site consists of a multi-tenant warehouse building (975 Corporate Center Parkway) and vacant land. RECs were not observed with the adjoining properties.

Significant Data Gaps

Significant data gaps were not identified.

Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E 1527-13 at Southwest Corner of Capricorn Way and Apollo Way, Santa Rosa, Sonoma County, California, the site. Recognized Environmental Conditions (RECs) or Controlled RECs (CREC) were not identified in connection with the site.

Recommendations

Based on the scope of services, limitations, and conclusions of this assessment, Terracon did not identify RECs or CRECs. As such, no additional investigation is warranted at this time.

1.0 INTRODUCTION

1.1 Site Description

Site Name	Proposed Veterans Affairs Center
Site Location/Address	Southwest Corner of Capricorn Way and Apollo Way, Santa Rosa, Sonoma County, California Assessor Parcel Numbers (APNs) 035-112-034 and 035-112-035
Land Area	Approximately 8.07 acres
Site Improvements	None – vacant land
Anticipated Future Site Use	Development with a Veterans Affairs building.
Purpose of the ESA	Purchase of site.

The location of the site is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. The site and adjoining properties are depicted on the Site Diagram, which is included as Exhibit 2 of Appendix A. Acronyms and terms used in this report are described in Appendix F.

1.2 Scope of Services

This Phase I ESA was performed in accordance with Terracon Proposal No. PNB197196 dated August 7, 2019, and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* and Client Scope of Work. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

ASTM E1527-13 contains a new definition of "migrate/migration," which refers to "the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface." By including this explicit reference to migration in ASTM E1527-13, the Standard clarifies that the potential for vapor migration should be addressed as part of a Phase I ESA. This Phase I ESA has considered vapor migration in evaluation of RECs associated with the site.

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations, ASTM Deviations and Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e. evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. This ESA was further limited by the following:

- Reasonable attempts were made to contact the local and state government officials; however, at the issuance of this report, a response from the Santa Rosa City Clerk has not been received. Based on the historical and environmental regulatory database review, the absence of a response from the Santa Rosa City Clerk does not appear to represent a significant data gap.

Phase I Environmental Site Assessment

Proposed Veterans Affairs Center ■ Santa Rosa, California

August 16, 2019 ■ Terracon Project No. NB197196



An evaluation of the significance of limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of JTW Development LLC. Use or reliance by any other party is prohibited without the written authorization of JTW Development LLC and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon's Agreement. The limitation of liability defined in the Agreement is the aggregate limit of Terracon's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E1527-13 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E1527-13.

1.6 Client Provided Information

Prior to the site visit, Mr. Joshua Hausman, client's representative, was asked to provide the following user questionnaire information as described in ASTM E1527-13 Section 6.

Client Questionnaire Responses

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Specialized Knowledge or Experience that is material to a REC in connection with the site.			X
Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.			X
Actual Knowledge of a Lower Purchase Price because contamination is known or believed to be present at the site.			X
Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site.			X
Obvious Indicators of Contamination at the site.			X

Terracon's consideration of the client provided information did not identify RECs. A copy of the questionnaire is included in Appendix C.

2.0 PHYSICAL SETTING

Physical Setting Information		Source
Topography		
Site Elevation	Approximately 110 feet above sea level.	USGS Topographic Map, Sebastopol, California, Topo Date Map Revised 2012 (Appendix A).
Topographic Gradient	Relatively flat area with general gradient towards the west-southwest.	
Closest Surface Water	Santa Rosa Creek, approximately 4,320 feet north of the site.	
Soil Characteristics		
Soil Type & Description	<u>Clear Lake Clay, ponded (71.6%)</u> Located on the majority of the site, this soil is poorly drained with 0 to 2 percent slopes. Parent material consists of alluvium derived from sedimentary rock. The typical soil profile consists of clay from 0 to the total depth of 60 inches below ground surface (bgs).	Sonoma County, California, USDA-NRCS Web Soil Survey issued September 13, 2018.
Soil Type & Description	<u>Zamora Silty Clay Loam, moist (19.7%)</u>	

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Physical Setting Information		Source
	Located on the central and eastern portions of the site, this soil is well drained with 0 to 2 percent slopes. Parent material consists of alluvium derived from volcanic and sedimentary rock. The typical soil profile consists of silty clay loam from 0 to 5 inches bgs, followed by clay loam down to 41 inches bgs, followed by sandy clay loam down to 55 inches bgs, followed by gravelly clay down to the total depth of 60 inches bgs.	
Soil Type & Description	<u>Wright Loam, wet (8.7%)</u> Located on the southwestern portion of the site, this soil is somewhat poorly drained with 0 to 2 percent slopes. Parent material consists of alluvium. The typical soil profile consists of loam from 0 to 25 inches bgs, followed by clay down to 62 inches bgs, followed by sandy clay loam down to the total depth of 73 inches bgs.	
Geology/Hydrogeology		
Formation & Description	<u>Quaternary (Q)</u> Alluvium, lake, playa, and terrace deposits; unconsolidated and semi-consolidated. Mostly nonmarine, but includes marine deposits near the coast.	California Department of Conservation, Geologic Map of California, 2010.
Formation & Description	<u>Quaternary (Qoa)</u> Older alluvium, lake, playa, and terrace deposits.	
Estimated Depth to First Occurrence of Groundwater	Groundwater was encountered at depths of approximately 5.5 to 8.5 feet bgs, measured at a facility located approximately 500 feet west of the site.	GeoTracker, www.GeoTracker.waterboards.ca.gov , LUST Case No. T0609750767 Pacific Bell, 3260 Sebastopol Road
*Hydrogeologic Gradient	Not known; may be inferred to follow topographic gradient toward the west-southwest.	

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area, in order to help identify RECs associated with past uses. Copies of selected historical documents are included in Appendix C.

3.1 Historical Topographic Maps, Aerial Photographs, Sanborn Maps

Readily available historical USGS topographic maps, selected historical aerial photographs (at approximately 10 to 15 year intervals) and historical fire insurance maps produced by the Sanborn Map Company were reviewed to evaluate land development and obtain information concerning the history of development on and near the site. Reviewed historical topographic maps, aerial photographs and Sanborn maps are summarized below.

Historical fire insurance maps produced by the Sanborn Map Company were requested from EDR to evaluate past uses and relevant characteristics of the site and surrounding properties. Based upon inquiries to the above-listed Sanborn provider, Sanborn maps were not available for the site.

- Topographic map:
 - Santa Rosa, California, **1916, 1944, 1954, 1968, 1973, 1980, 1998, and 2012** (1:62,500)
 - Sebastopol, California, **1935, 1942, 1947, 1954, 1968, 1980, and 2012** (1:62,500)
- Aerial photograph:
 - USDA, **1942 and 1982** (1"=500')
 - USGS, **1952, 1957, 1968, 1973, and 1985** (1"=500')
 - USGS/DOQQ, **1993** (1"=500')
 - USDA/NAIP, **2006, 2009, 2012, and 2016** (1"=500')

Historical Maps and Aerial Photographs

Direction	Description
Site	Undeveloped land (1935); agricultural land with a strip on the eastern portion of the site developed with orchards (1942-1982); vacant land (1985-2006); improved with the existing drainage swale (2009-2016).
North	Undeveloped land with dirt roads followed by residences and a railroad (1935); row crops and several residences (1942-1982); developed with the existing road followed by residential development (1985); developed with the existing multi-tenant office buildings (1993-2016).
East	Undeveloped land (1916-1935); orchards followed by row crops (1942-1957); orchards followed by the existing school (1968-1973); orchards and vacant land (1982); developed with the existing road followed by vacant land and a portion of the existing residential neighborhood (1985); vacant land and the existing residential neighborhood (1993); developed with the existing two office buildings (2006-2016).

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Direction	Description
South	Undeveloped land (1935); row crops and orchards (1942-1982); cleared vacant land and existing roads (1985); developed with two existing office buildings to the southeast (1993); developed with the existing office building (2006-2016).
West	Undeveloped land followed by a road (1935); row crops followed by orchards (1942-1957); row crops (1968-1973); row crops followed by an apparent storage yard and vacant land (1982); developed with the existing road followed by a storage yard and portion of the existing warehouse development (1985); cleared vacant land and the existing warehouse buildings to the southwest (1993); developed with the existing warehouse building (2006-2016).

The site was utilized as agricultural land including a small portion of orchards from at least 1942 through 1982. The historic agricultural activities in these areas may have included the use of pesticides and herbicides. Most currently used agricultural chemicals do not persist in near surface soil for extended periods of time, if applied appropriately. During the review of historic information and site reconnaissance, Terracon did not identify information that would indicate the extensive use, storage, or manufacturing of pesticides or herbicides on the site. In addition, the surrounding areas have been redeveloped for both commercial and residential purposes, with no reported incidents of impacts that may be attributed to historical agricultural uses. Therefore, the historical agricultural use does not appear to be a REC to the site.

3.2 Historical City Directories

The EDR Digital Archive, AT&T Yellow Pages, Pacific Bell, and R. L. Polk Co. Publishers city directories used in this study were made available through EDR (selected years reviewed: 1930 through 2014) and were reviewed at approximate five-year intervals, if readily available. Street listings were not available prior to 1947. The current street address for the site was not identified.

Historical City Directories

Direction	Description
Site	None – vacant land.
North	2227 Capricorn Way: No listings (1930-1987); Industrial Power Technology (1990-2014); Sonoma County Child Abuse (1990-1994); Council Social Services Agencies (1990); Community Child Care Council (1990-1994); Brown & Farley Vocation Counselors (1990-1994); Certified Life Insurance Co Major Medical Life Insurance (1990); Financial Pathways (1990); I B M Data Processing SIs (1990); Building (1990-1994); Council of Sonoma (1994); Life Source Inc (1994); Vocational Rehabilitation (1994); Nationwide Real Estate Tax Service (1994); Bankers Life & Casualty Co (1994-2006); Jack Wright Advertising (1994); Amy's Kitchen Inc (2006-2010); At Home Nursing (2006-2014); Harvest L N F (2006); Paul Financial LLC (2006); Sonoma Graphic Products (2006-2010); Tekiogix Corporation (2006); Mental Health Coalition of Sonoma (2010); Community Benefits (2010); Portside Bio-Energy LLC (2010-2014); Modesto Renewable Energy LLC (2010-2014); Sonoma County Primary Care (2010); Integra

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Direction	Description
	Telecom Inc (2010); International Bus Mchs Corporation (2010-2014); Provino Inc (2014); Vinopro Inc (2014); Sonoma County Human Services (2014). 2230 Challenger Way: No listings (1930-2014). 2255 Challenger Way: No listings (1930-1981); Santa Rosa Corporate Center Real Estate (1987-1994); Jestrow Robert MD (1990-1994); Ginn Bill Acct (1990-1994); California Security Management Securities Services (1990); Career Transitions (1990-1994); Santa Rosa Physical Therapy (1990-2014); Lyon William Co Real Estate (1990); Employer Administration Services Co Health Plan Administration (1990); Peters & Putnam Lawyers (1990); Employer Services Inc Health Plans Marketing (1990); ODonnel Hopkins & Partners (1990); Arcs Mortgage Inc (1990); McCann Judy (1994); Putnam Jay G (1994); Building (1994); Majors Engineering Associates (1994); Tekolnix Corporation (1994); AGA Financial (2006); Armitage Guidi Associates (2006); Building Industry Association (2006); Epitque Laser Center (2006); E Planning Securities Inc (2006); Freeman & Freeman Attorneys At Law (2006-2014); Freeman Matthew C (2006); Home Builders Association of Northern California (2006); King William Attorney (2006); Pacific Open Space Inc (2006); Pacific Physical Therapy (2006-2010); Serger Mike RPT (2006); Sutter West Mortgage (2006); Townsend David MPT (2006); Tri Access Technologies (2006); Commonwealth Property Management (2010-2014); Mesches Leanne M FT (2010); IWMS-GA LLC (2010); Armitage Guidi & Associates LLC (2010-2014); Boys & Girls Clubs Central Sonoma (2010); Family Service Agency Sonoma County Inc (2014). 2280 Challenger Way: No listings (1930-2014).
East	1000 Apollo Way: No listings (1930-2006); Challenger Electrical Equipment (2010); Pacific Coast Multimedia LLC (2010-2014); Redwood Empire Council Boy Scout (2010-2014); Brabetz Inc (2010); Eaton Corporation (2010-2014); Rotofactory (2010-2014); Visual Effects (2010-2014); Roberts & Burne Co (2010-2014); Engineering Contractor Association (2010-2014); Ballinger Restaurant Equipment Corporation (2014). 1030 Apollo Way: Beams Inc (2010-2014); North Coast Builders Exchange (2010-2014).
South	2235 Mercury Way: No listings (1930-1994); E Myth Worldwide (2006-2010); New York Life Insurance Company (2006-2014); Adobe Systems Inc (2006-2010); New York Life Securities Inc (2010); George Rothert and Associates (2010-2014); Triaccess Technologies (2010-2014); Armstrong Associates (2010-2014); Transworld Systems Inc (2010-2014); KLH Consulting Inc (2014); Tricorbraun Inc (2014); APAC Customers Services Inc (2014); GHD Inc (2014); E Myth Mastery Program (2014); Winzler & Kelly (2014).
West	975 Corporate Center Parkway: No listings (1930-2014).

3.3 Site Ownership

Based on a review of information obtained from the Sonoma County assessor's records, the current site owner is Challenger Way Investment LLC. In addition, previous owners identified included AJ Ventures Incorporation. Dates of ownership were not provided by the Sonoma County assessor's records.

3.4 Title Search

At the direction of the client, a title search was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.5 Environmental Liens and Activity and Use Limitations

The EDR regulatory database report included a review of both Federal and State Engineering Control (EC) and Institutional Control (IC) databases. Based on a review of the database report, the site was not listed on the EC or IC databases. Please note that in addition to these federal and state listings, AULs can be recorded at the county and municipal level that may not be listed in the regulatory database report. Environmental lien and activity and use limitation records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.6 Interview Regarding Current and Historical Site Uses

The following individual was interviewed regarding the current and historical use of the site.

Interview

Interviewer	Name / Phone #	Title	Date/Time
Sadie Bodiford	Mr. Niniv Tamimi	Owner Representative	August 13, 2019 / 9:30 AM

Terracon interviewed Mr. Niniv Tamimi, owner representative for the site, subsequent to the site reconnaissance. Mr. Tamimi indicate the current site owner is Challenger Way Investment LLC and that he has been familiar with the site for approximately 2.5 years. Challenger Way Investment LLC has reportedly owned the site for approximately 18 months. Mr. Tamimi indicated that the site was previously used for agricultural purposes and was unaware of any previous development or chemical storage on the site. When asked about the observed on-site swale, Mr. Tamimi indicated the swale was developed in 2003 and is meant to collect stormwater. Mr. Tamimi was not aware of any current or historical on-site septic tanks, water wells, grease traps, solvent baths, petroleum pipelines, underground or aboveground storage tanks. Additionally, Mr. Tamimi was not aware of any pending, threatened or past environmental litigation, proceedings or notices of possible violations of environmental laws or liability or potential environmental concerns in connection with the site.

3.7 Prior Report Review

Terracon requested the client provide any previous environmental reports they are aware of for the site. Previous reports were not provided by the client to Terracon for review.

4.0 RECORDS REVIEW

Regulatory database information was provided by EDR, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated. The scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

4.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

Federal Databases

Database	Description	Distance (miles)	Listings
CERCLIS	Comprehensive Environmental Response, Compensation, & Liability Information System	0.5	0
CERCLIS / NFRAP	Comprehensive Environmental Response, Compensation, & Liability Information System/No Further Remedial Action Planned	0.5	0
ERNS	Emergency Response Notification System	Site	0
IC / EC	Institutional Control/Engineering Control	Site	0
NPL	National Priorities List	1.0	0
NPL (Delisted)	National Priorities Delisted List	0.5	0
RCRA CORRACTS/ TSD	RCRA Corrective Action Activity	1.0	0
RCRA Generators	Resource Conservation and Recovery Act	Site and adjoining properties	5
RCRA Non-CORRACTS/ TSD	RCRA Non-Corrective Action Activity	0.5	0

State/Tribal Databases

Database	Description	Distance (miles)	Listings
AST	Aboveground Petroleum Storage Tank Facilities	0.25	2
CA BOND EXP. PLAN	Bond Expenditure Plan	1.0	1
CA FID UST	Facility Inventory Database	0.25	1
CALSITES	CalSites Database	1.0	0
CALSITES (AWP)	Active Annual Workplan Sites	1.0	0
ENVIROSTOR	EnviroStor Database	1.0	13
CERS HAZ WASTE	CERS HAZ WASTE	0.25	7
CERS TANKS	California Environmental Reporting System (CERS) Tanks	0.25	2
CPS SLIC	Statewide SLIC Cases (GEOTRACKER)	0.5	7
EDR Hist Cleaner	EDR Exclusive Historical Cleaners	0.125	1
FUDS	Formerly Used Defense Sites	1.0	1
HIST CORTESE	Hazardous Waste & Substance Site List	0.5	6
HIST UST	Hazardous Substance Storage Container Database	0.25	1
LUST	Leaking Underground Storage Tanks	0.5	7
Notify 65	Proposition 65 Records	1.0	11
RCRA NonGen / NLR	RCRA – Non Generators / No Longer Regulated	0.25	9
SWEEPS UST	SWEEPS UST Listing	0.25	1
SWF/LF	Solid Waste Facilities/Landfills	0.5	0
UST	Underground Storage Tank Facilities	Site and adjoining properties	0
VCP	Voluntary Cleanup Program	0.5	0

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.

The site was not identified in the environmental regulatory database.

The following table summarizes the site-specific information provided by the database and/or gathered by this office for identified facilities. Facilities are listed within 500 feet and in order of proximity to the site. Additional discussion for selected facilities follows the summary table.

Listed Facilities

Facility Name and Location	Estimated Distance / Direction/Gradient	Database Listings	Is a REC, CREC, or HREC to the Site
WWCMC, Inc 975 Corporate Center Parkway	Adjoining / West / Down-gradient	RCRA NonGen / NLR	No, discussed below.
Cintas Corporation 975 Corporate Center Parkway		EDR Hist Cleaner	
Kaiser Permanente 2240 Mercury Way	400 feet / South / Cross-gradient	RCRA NonGen / NLR, CERS HAZ WASTE, NPDES, CIWQS, CERS	No, based on distance, topographic gradient, and database listing types.
Sonoma Lab Works 1201 Corporate Center Parkway	445 feet / Southwest / Down-gradient	RCRA NonGen / NLR, CERS HAZ WASTE, CERS	No, based on distance, topographic gradient, and database listing types.
Craft Manufacturing	445 feet / Southwest / Down-gradient	CERS HAZ WASTE, CERS	No, discussed below.
Santa Rosa Corporate Center		CPS-SLIC, CERS	
Relucent Solutions 2330 Circadian Way		RCRA-SQG, FINDS, ECHO	

WWCMC, Inc. (975 Corporate Center Parkway)

The above listed facility, identified to the adjoining west and topographically down-gradient relative to the site, is listed on the Resource Conservation and Recovery Act (RCRA) – Non Generators (NonGen) / No Longer Regulated (NLR) database. According to the regulatory database, this facility is a hazardous waste handler, but does not presently generate hazardous waste. No violations have been found for this facility. Based on the nature of the database listing, the facility's absence of regulatory release listings, and topographically down-gradient position relative to the site, the WWCMC, Inc. facility does not represent a REC to the site.

Craft Manufacturing / Santa Rosa Corporate Center / Relucent Solutions (2330 Circadian Way)

The above-listed facilities, identified approximately 445 feet southwest and topographically down-gradient relative to the site, are listed on the California Environmental Reporting System Hazardous Waste (CERS HAZ WASTE), CERS, Spills, Leaks, Investigation and Cleanup (SLIC), RCRA—Small Quantity Generator (RCRA-SQG), Facility Inventory Database (FINDS), and Enforcement and Compliance History (ECHO) databases. Terracon reviewed the facility on the State Water Resource Control Board's (SWRCB) GeoTracker website regarding the SLIC database listing. Based on a review of information provided on GeoTracker, the Santa Rosa

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Corporate Center reported a release of heavy metals, including arsenic, to an aquifer used for drinking water supply on March 2, 1988. Cleanup actions were reported as remediation in December 1990 and February 1991. The facility underwent a final assessment in October 1994 and the SLIC case is listed as closed on April 20, 1995. Documentation regarding the cleanup was not provided on GeoTracker for review. Based on the facilities distance and topographic down-gradient position relative to the site, and closed status of the SLIC case, the above-listed facilities do not represent a REC to the site.

The remaining facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, and/or distance from the site.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the Property. The report listed four facilities in the unmapped section. Determining the location of unmapped facilities is beyond the scope of this assessment; however, none of these facilities were identified as the Property or adjacent properties. These facilities are listed in the database report in Appendix D.

4.2 Local Agency Inquiries

Agency Contacted/ Contact Method	Response
California Department of Toxic Substance Control / Email: PubRegAct@DTSC.ca.gov	On August 8, 2019, Terracon received a response from the agency indicating records were not available for the site.
North Coast Water Boards / Email: northcoast@waterboards.ca.gov	On August 8, 2019, Terracon received a response from the agency indicating records were not available for the site.
Santa Rosa City Clerk / Email: dgomez@srcity.org	At the issuance of this report, a response from the agency has not been received. If a response is received that materially affects the conclusions and recommendations of this report, the client will be notified.
Sonoma County Environmental Health / Email: eh@sonoma-county.org	On August 8, 2019, Terracon received a response from the agency indicating records were not available for the site.
Santa Rosa Fire Department / Email: cupa@srcity.org	On August 13, 2019, Terracon received a response from the agency indicating records were not available for the site.
Bay Area Air Quality Management District / Online Public Records Portal	On August 8, 2019, Terracon received a response from the agency indicating records were not available for the site.

4.3 Local Area Knowledge

Based on a review of the California Department of Conservation Division of Oil, Gas & Geothermal Well Finder website (<http://maps.conservation.ca.gov/doggrr/>), there are no oil or gas production wells located at the site or surrounding areas.

5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. The site and adjoining properties are depicted on the Site Diagram, which is included in Exhibit 2 of Appendix A. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix B. Credentials of the individuals planning and conducting the site visit are included in Appendix E.

General Site Information

Site Reconnaissance	
Field Personnel	Steven N. Claar
Reconnaissance Date	August 8, 2019
Weather Conditions	80° F, Sunny
Site Contact/Title	Mr. Niniv Tamimi / Owner Representative

5.2 Overview of Current Site Occupants

The site is located at the southwest corner of Capricorn Way and Apollo Way, Santa Rosa, Sonoma County, California, Assessor Parcel Numbers (APNs) 035-112-034 and 035-112-035. The site consists of an approximately 8.07 acres of vacant land.

5.3 Overview of Current Site Operations

During the site reconnaissance, the site was observed as vacant land with no current operations.

5.4 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an "X") are discussed in more detail following the table.

Site Characteristics

Category	Item or Feature	Observed or Identified
Site Operations, Processes, and Equipment	Emergency generators	
	Elevators	
	Air compressors	
	Hydraulic lifts	
	Dry cleaning	
	Photo processing	
	Ventilation hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
	Heating and/or cooling systems	
	Paint booths	
	Sub-grade mechanic pits	
	Wash-down areas or carwashes	
	Pesticide/herbicide production or storage	
	Printing operations	
	Metal finishing (e.g., electroplating, chrome plating, galvanizing, etc.)	
	Salvage operations	
	Oil, gas or mineral production	
	Other processes or equipment	
Aboveground Chemical or Waste Storage	Aboveground storage tanks	
	Drums, barrels and/or containers ≥ 5 gallons	
	MSDS or SDS	
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground storage tanks or ancillary UST equipment	
	Sumps, cisterns, French drains, catch basins and/or dry wells	
	Grease traps	
	Septic tanks and/or leach fields	
	Oil/water separators, clarifiers, sand traps, triple traps, interceptors	
	Pipeline markers	
	Interior floor drains	
Electrical Transformers/PCBs	Transformers and/or capacitors	
	Other equipment	

Category	Item or Feature	Observed or Identified
Releases or Potential Releases	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	
	Leachate and/or waste seeps	
	Trash, debris and/or other waste materials	X
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	
	Surface water discoloration, odor, sheen, and/or free floating product	
	Strong, pungent or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
Other Notable Site Features	Surface water bodies	
	Quarries or pits	
	Wastewater lagoons	
	Wells	
	Drainage Swales	X

Releases or Potential Releases

Trash, debris and/or other waste materials

A significant amount of trash dumping was observed on the northwest portion of the site during the site reconnaissance. The amount of debris totaled approximately one cubic yard and appeared to consist primarily of cardboard, plastic, and paper food storage waste. Staining or evidence of hazardous materials was not observed in connection with the dumped materials. Based on site observations, the observed dumping does not represent a REC to the site.

Other Notable Site Features

Drainage Swales

A drainage swale was observed on through central portion of the site. According to Mr. Tamimi, the purpose of the swale is for collecting stormwater. Staining or evidence of a release was not observed in the vicinity of the swale. Based on site observations, the drainage swale does not represent a REC to the site.

6.0 ADJOINING PROPERTY RECONNAISSANCE

Visual observations of adjoining properties (from site boundaries) are summarized below.

Adjoining Properties

Direction	Description
North	The properties to the adjoining north of the site consist of multi-tenant office buildings (2255 Challenger Way and 2227 Capricorn Way).
East	The properties to the adjoining east of the site consist of a multi-tenant office building (1000 Apollo Way) and the North Coast Builders Exchange (1030 Apollo Way).
South	The properties to the adjoining south of the site consists of a multi-tenant office building (2235 Mercury Way).
West	The properties to the adjoining west of the site consists of a multi-tenant warehouse building (975 Corporate Center Parkway).

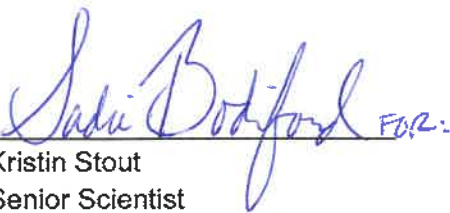
RECs were not observed with the adjoining properties.

7.0 ADDITIONAL SERVICES

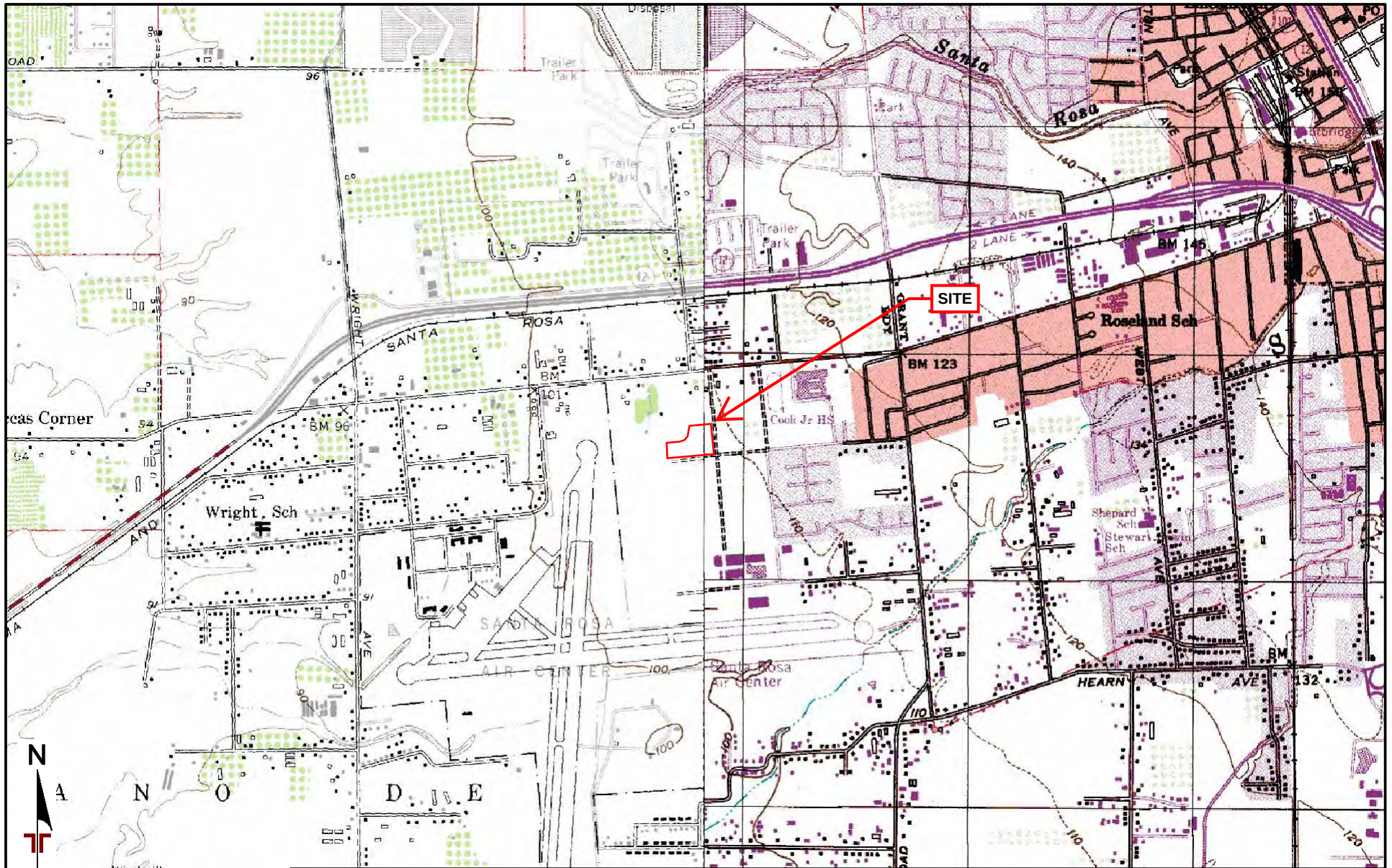
Per the agreed scope of services specified in the proposal, additional services (e.g. asbestos sampling, lead-based paint sampling, wetlands evaluation, lead in drinking water testing, radon testing, vapor encroachment screening, etc.) were not conducted.

8.0 DECLARATION

I, Kristin Stout, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.


Kristin Stout
Senior Scientist

APPENDIX A
EXHIBIT 1 – TOPOGRAPHIC MAP
EXHIBIT 2 – SITE DIAGRAM



TOPOGRAPHIC MAP IMAGE COURTESY OF
THE U.S. GEOLOGICAL SURVEY
QUADRANGLES INCLUDE: SEBASTOPOL, CA
(1/1/1980) and SANTA ROSA, CA (1/1/1994).

DIAGRAM IS FOR GENERAL LOCATION ONLY,
AND IS NOT INTENDED FOR CONSTRUCTION
PURPOSES

Project Manager:	SMB	Project No.	NB197196
Drawn by:	ALC	Scale:	1"=2,000'
Checked by:	SMB	File Name:	
Approved by:	KAS	Date:	

Terracon

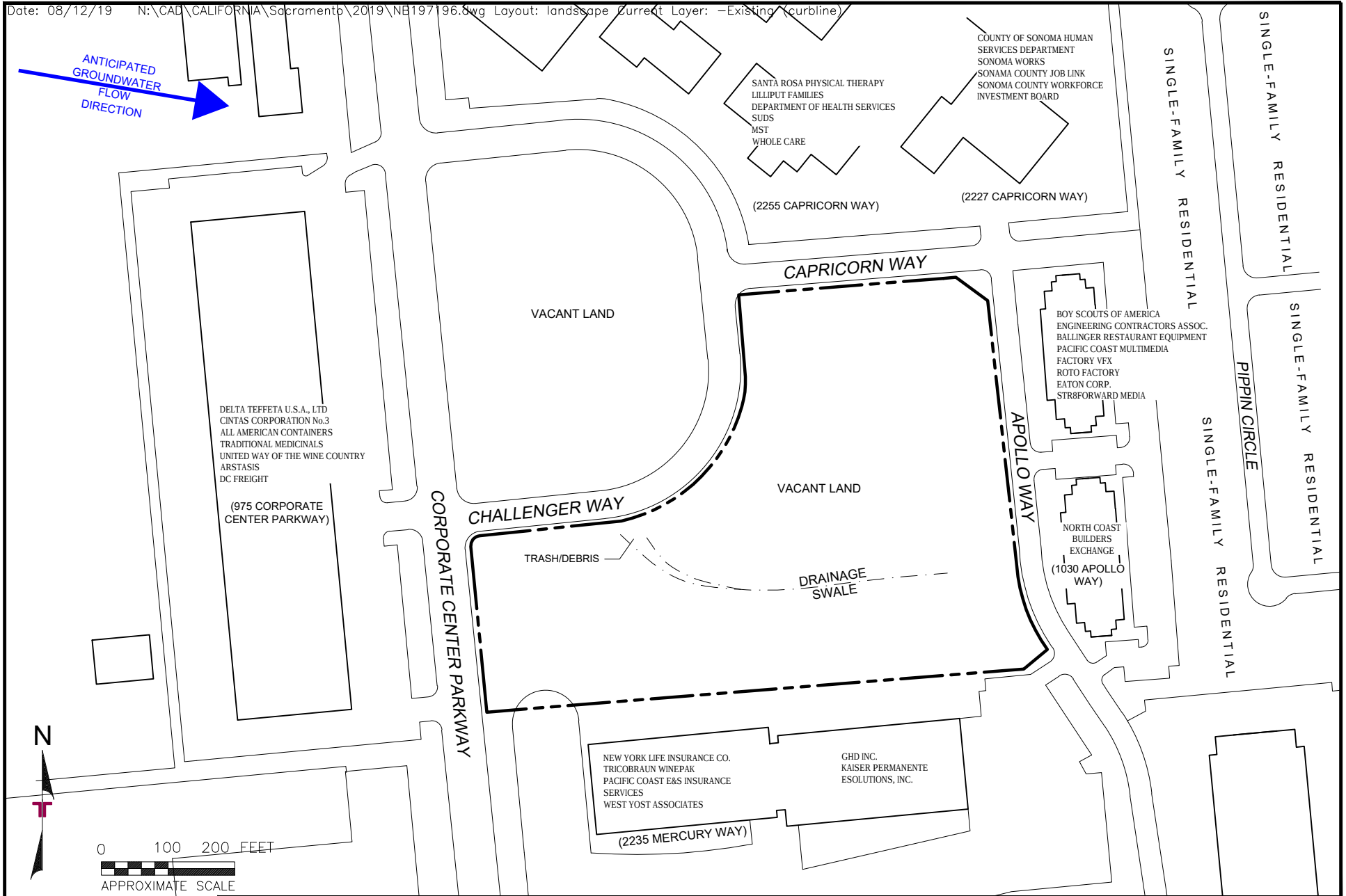
50 Golden Land Ct, Ste 100
Sacramento, CA 95834-2425

TOPOGRAPHIC MAP

PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA

Exhibit

1



THIS DRAWING SHOULD
NOT BE USED SEPARATELY
FROM ORIGINAL REPORT.

Project Mngr:	SNC	Project No.	NB197196
Drawn By:	CDD	Scale:	AS SHOWN
Checked By:	SNC	Date:	08/12/19
Approved By:	KAS		

Terracon

50 Goldenland Ct, Ste 100
Sacramento, CA 95834-2425

SITE DIAGRAM

PROPOSED VA CENTER
SOUTHWEST CORNER OF CAPRICORN WAY AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA

Exhibit

2

APPENDIX B
SITE PHOTOGRAPHS



Photo #1 View of the northern portion of the site looking south.



Photo #2 View of the northeastern portion of the site looking southwest.



Photo #3 View of the southeastern portion of the site looking northeast.



Photo #4 View of the southern portion of the site looking north.



Photo #5 View of the southwestern portion of the site looking northeast.



Photo #6 View of the northwestern portion of the site looking southeast.



Photo #7 View of the observed trash located on the northwest portion of the site.



Photo #8 View of the drainage swale located on the central portion of the site facing south.



Photo #9 View of the multi-tenant office buildings (2255 Challenger Way & 2227 Capricorn Way) to the adjoining north of the site.



Photo #10 View of the Santa Rosa Scout Shop (1000 Apollo Way) located to the adjoining east of the site.



Photo #11 View of the North Coast Builders Exchange (1030 Apollo Way) located to the adjoining east of the site.



Photo #12 View of the multi-tenant office building (2235 Mercury Way) located to the adjoining south of the site.



Photo #13 View of the multi-tenant warehouse building (975 Corporate Center Parkway) located to the adjoining west of the site.



Photo #14 View of the vacant land located to the adjoining northwest of the site.

APPENDIX C
HISTORICAL DOCUMENTATION AND USER QUESTIONNAIRE

Client/User Required Questionnaire

Terracon

Person Completing Questionnaire	Name: <u>Joshua Hausman</u> Company:	Phone: <u>847 482 0178</u> Email: <u>Joshhausman@sbcglobal.net</u>
Site Name	Proposed VA Center	
Site Address	APNs 035-112-034 and 035-112-035, Santa Rosa, CA 95407	
Point of Contact for Access	Name: <u>Vacant land</u> Company:	Phone: <u>209-604-8551</u> Email:
Access Restrictions or Special Site Requirements?	☒ No ___ Yes (If yes, please explain)	
Confidentiality Requirements?	☒ No ___ Yes (If yes, please explain)	
Current Site Owner	Name: <u>Challenger Way Investment LLC</u> Company:	Phone: <u>209-604-8551</u> Email:
Current Site Operator	Name: <u>Same as above</u> Company:	Phone: Email:
Reasons for ESA (e.g., financing, acquisition, lease, etc.)	<u>Govt. Requirement</u>	
Anticipated Future Site Use		
Relevant Documents?	Please provide Terracon copies of prior Phase I or II ESAs, Asbestos Surveys, Environmental Permits or Audit documents, Underground Storage Tank documents, Geotechnical Investigations, Site Surveys, Diagrams or Maps, or other relevant reports or documents.	

ASTM User Questionnaire In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user must respond to the following questions. Failure to provide this information to the environmental professional may result in significant data gaps, which may limit our ability to identify recognized environmental conditions resulting in a determination that "all appropriate inquiry" is not complete. This form represents a type of interview and as such, the user has an obligation to answer all questions in good faith, to the extent of their actual knowledge. 1) Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.25)? ☒ No ___ Yes (If yes, explain below and send Terracon a copy of the title records or judicial records reviewed.) 2) Did a search of recorded land title records (or judicial records where appropriate) identify any activity and use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.26)? ☒ No ___ Yes (If yes, explain below and send Terracon a copy of the title records or judicial records reviewed.) 3) Do you have any specialized knowledge or experience related to the site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312.28)? ☒ No ___ Yes (If yes, explain below) 4) Do you have actual knowledge of a lower purchase price because contamination is known or believed to be present at the site (40 CFR 312.29)? ☒ No ___ Yes ___ Not applicable (If yes or Not applicable, explain below) 5) Are you aware of commonly known or reasonably ascertainable information about the site that would help the environmental professional to identify conditions indicative of releases or threatened releases (40 CFR 312.30)? ☒ No ___ Yes (If yes, explain below) 6) Based on your knowledge and experience related to the site, are there any obvious indicators that point to the presence or likely presence of contamination at the site (40 CFR 312.31)? ☒ No ___ Yes (If yes, explain below) Comments or explanations:

Please return this form with the signed authorization to proceed.

Proposal No. PNB197196

Proposed VA Center

Wayside DR

Santa Rosa, CA 95407

Inquiry Number: 5746166.8

August 08, 2019

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

08/08/19

Site Name:

Proposed VA Center
Wayside DR
Santa Rosa, CA 95407
EDR Inquiry # 5746166.8

Client Name:

Terracon
50 Goldenland Ct., #100
Sacramento, CA 95834
Contact: Alexis Clemente



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1993	1"=500'	Acquisition Date: July 10, 1993	USGS/DOQQ
1985	1"=500'	Flight Date: February 04, 1985	USGS
1982	1"=500'	Flight Date: July 10, 1982	USDA
1973	1"=500'	Flight Date: October 03, 1973	USGS
1968	1"=500'	Flight Date: April 20, 1968	USGS
1957	1"=500'	Flight Date: June 18, 1957	USGS
1952	1"=500'	Flight Date: June 12, 1952	USGS
1942	1"=500'	Flight Date: June 07, 1942	USDA

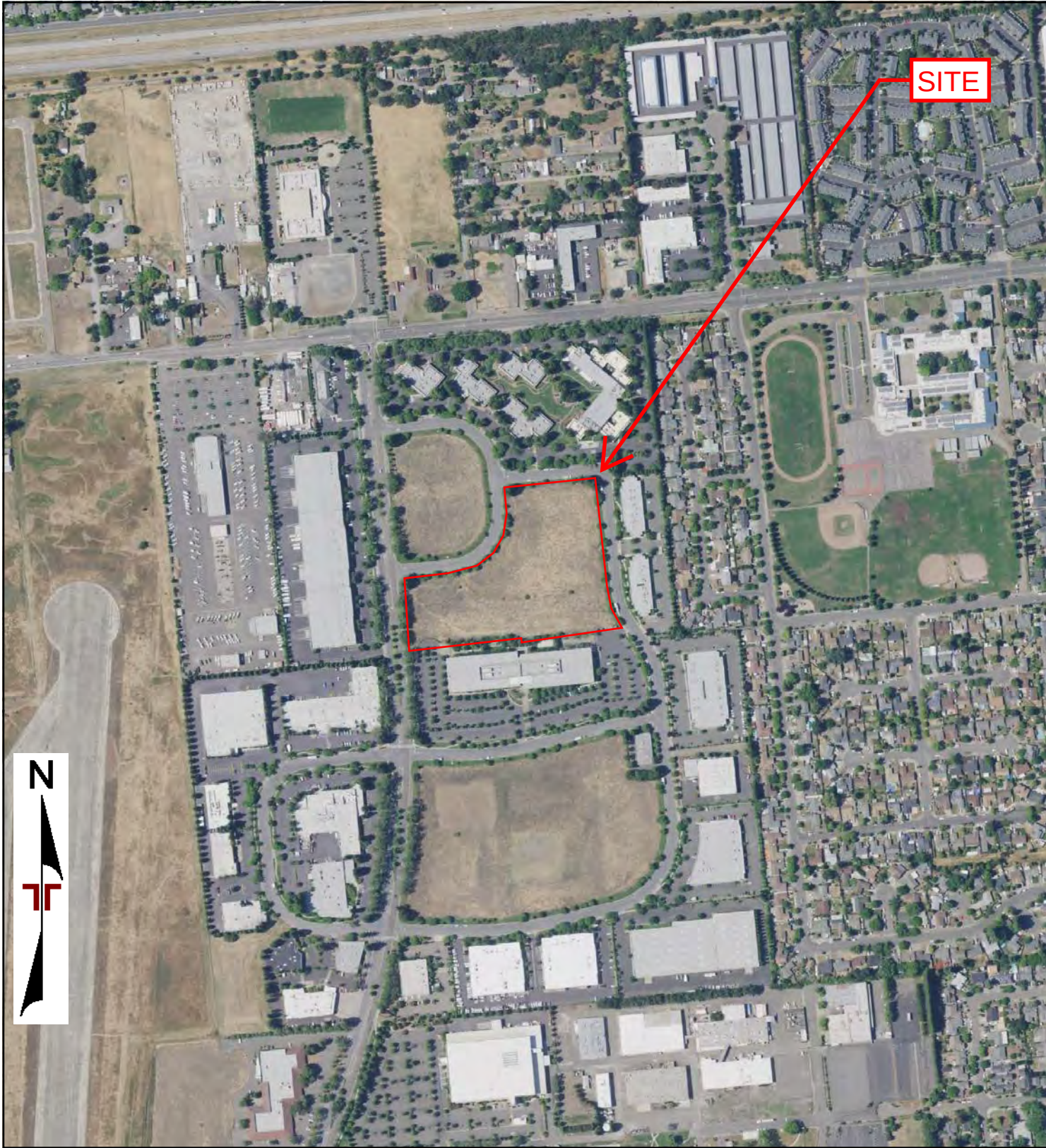
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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0 Feet 500 1000 2000

Project Manager:	Project No: NB197196	 50 Goldenland Ct., #100 Sacramento, CA 95834	2016 AERIAL PHOTOGRAPH	Appendix
Drawn By:	Scale: As Shown		PROPOSED VETERANS AFFAIRS CENTER SOUTHWEST CORNER OF CAPRICORN WAY AND APOLLO WAY SANTA ROSA, SONOMA COUNTY, CALIFORNIA	C
Checked By:	File Name:			
Approved By:	Date: 2016			



0 Feet

500

1000

2000

Project Manager:	Project No: NB197196
Drawn By:	Scale: As Shown
Checked By:	File Name:
Approved By:	Date: 2012

Terracon

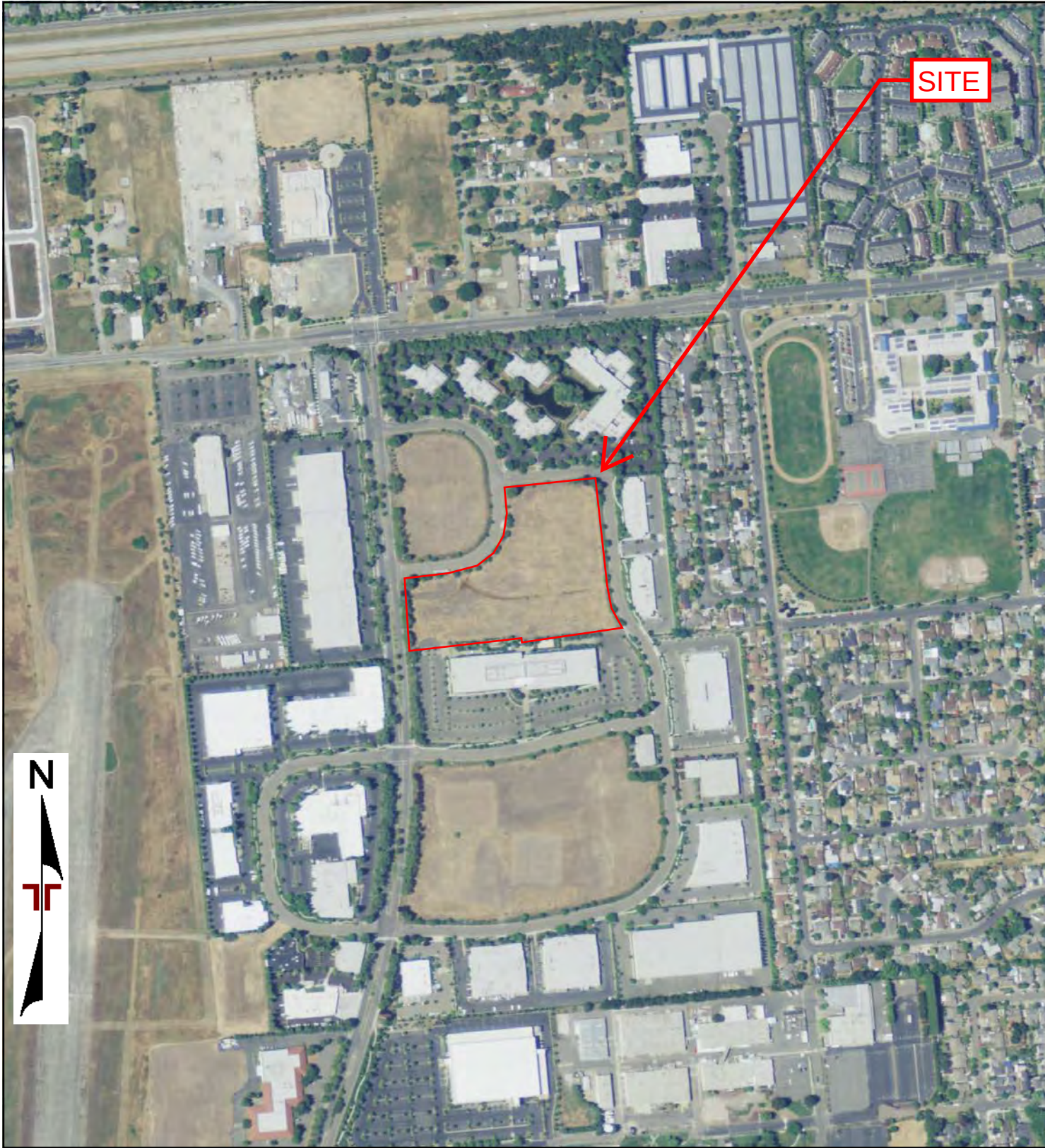
50 Goldenland Ct., #100
Sacramento, CA 95834

2012 AERIAL PHOTOGRAPH

**PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA**

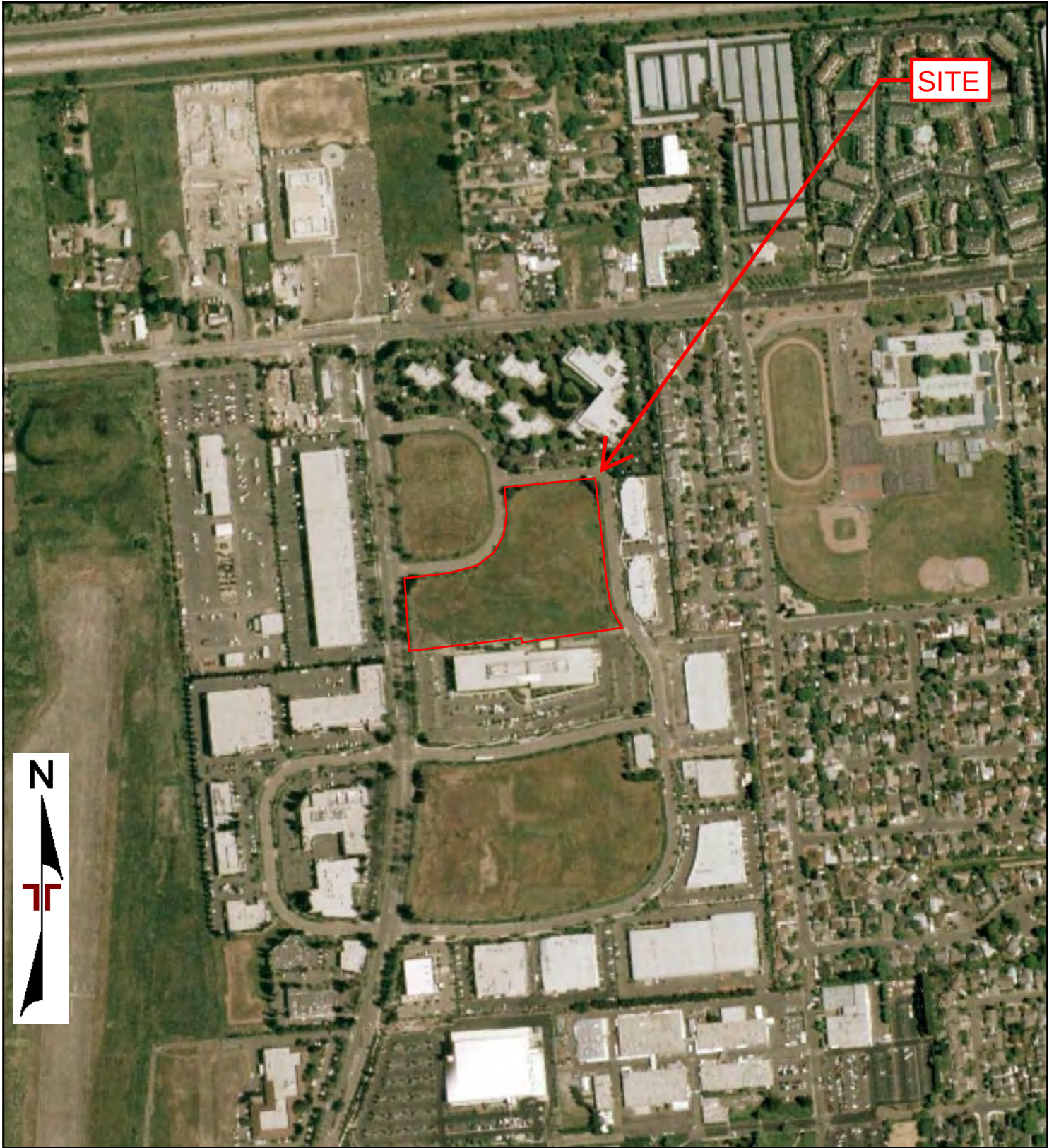
Appendix

C



0 Feet 500 1000 2000

Project Manager:	Project No: NB197196	 50 Goldenland Ct., #100 Sacramento, CA 95834	2009 AERIAL PHOTOGRAPH	Appendix
Drawn By:	Scale: As Shown		PROPOSED VETERANS AFFAIRS CENTER SOUTHWEST CORNER OF CAPRICORN WAY AND APOLLO WAY SANTA ROSA, SONOMA COUNTY, CALIFORNIA	C
Checked By:	File Name:			
Approved By:	Date: 2009			



0 Feet

500

1000

2000

Project Manager:	Project No: NB197196
Drawn By:	Scale: As Shown
Checked By:	File Name:
Approved By:	Date: 2006

Terracon

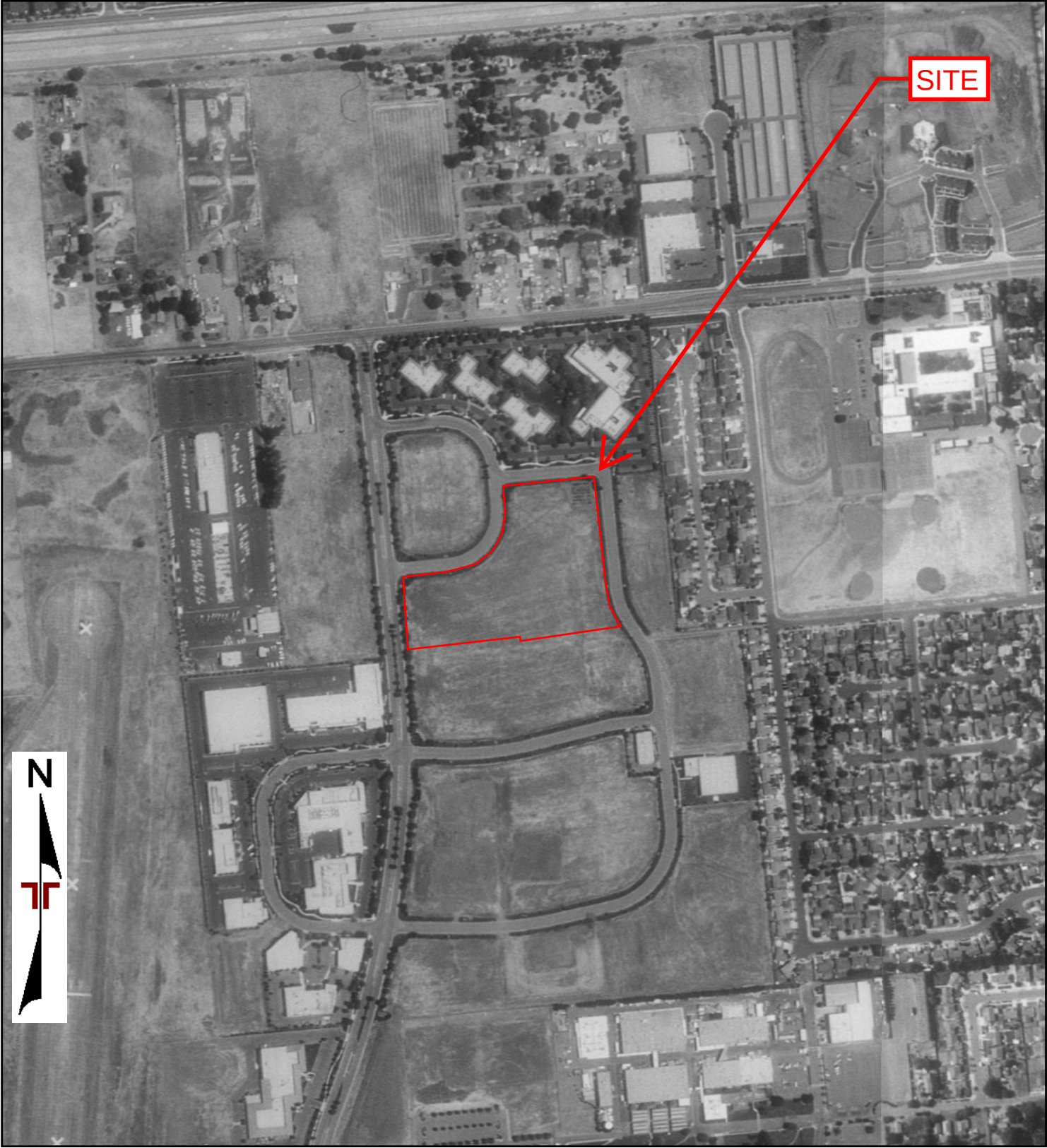
50 Goldenland Ct., #100
Sacramento, CA 95834

2006 AERIAL PHOTOGRAPH

**PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA**

Appendix

C



0 Feet

500

1000

2000

Project Manager:	Project No: NB197196	 50 Goldenland Ct., #100 Sacramento, CA 95834	1993 AERIAL PHOTOGRAPH	Appendix
Drawn By:	Scale: As Shown		PROPOSED VETERANS AFFAIRS CENTER SOUTHWEST CORNER OF CAPRICORN WAY AND APOLLO WAY SANTA ROSA, SONOMA COUNTY, CALIFORNIA	C
Checked By:	File Name:			
Approved By:	Date: 1993			



0 Feet

500

1000

2000

Project Manager:

Project No:

NB197196

Drawn By:

Scale:

As Shown

Checked By:

File Name:

Approved By:

Date:

1985

Terracon

50 Goldenland Ct., #100
Sacramento, CA 95834

1985 AERIAL PHOTOGRAPH

**PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA**

Appendix

C



0 Feet 500 1000 2000

Project Manager:	Project No: NB197196
Drawn By:	Scale: As Shown
Checked By:	File Name:
Approved By:	Date: 1982



50 Goldenland Ct., #100
Sacramento, CA 95834

1982 AERIAL PHOTOGRAPH

PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA

Appendix
C



0 Feet

500

1000

2000

Project Manager:	Project No: NB197196	 50 Goldenland Ct., #100 Sacramento, CA 95834	1973 AERIAL PHOTOGRAPH	Appendix
Drawn By:	Scale: As Shown		PROPOSED VETERANS AFFAIRS CENTER SOUTHWEST CORNER OF CAPRICORN WAY AND APOLLO WAY SANTA ROSA, SONOMA COUNTY, CALIFORNIA	C
Checked By:	File Name:			
Approved By:	Date: 1973			



0 Feet

500

1000

2000

Project Manager:	Project No: NB197196
Drawn By:	Scale: As Shown
Checked By:	File Name:
Approved By:	Date: 1968

Terracon

50 Goldenland Ct., #100
Sacramento, CA 95834

1968 AERIAL PHOTOGRAPH

PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA

Appendix

C



0 Feet 500 1000 2000

Project Manager:	Project No: NB197196
Drawn By:	Scale: As Shown
Checked By:	File Name:
Approved By:	Date: 1957

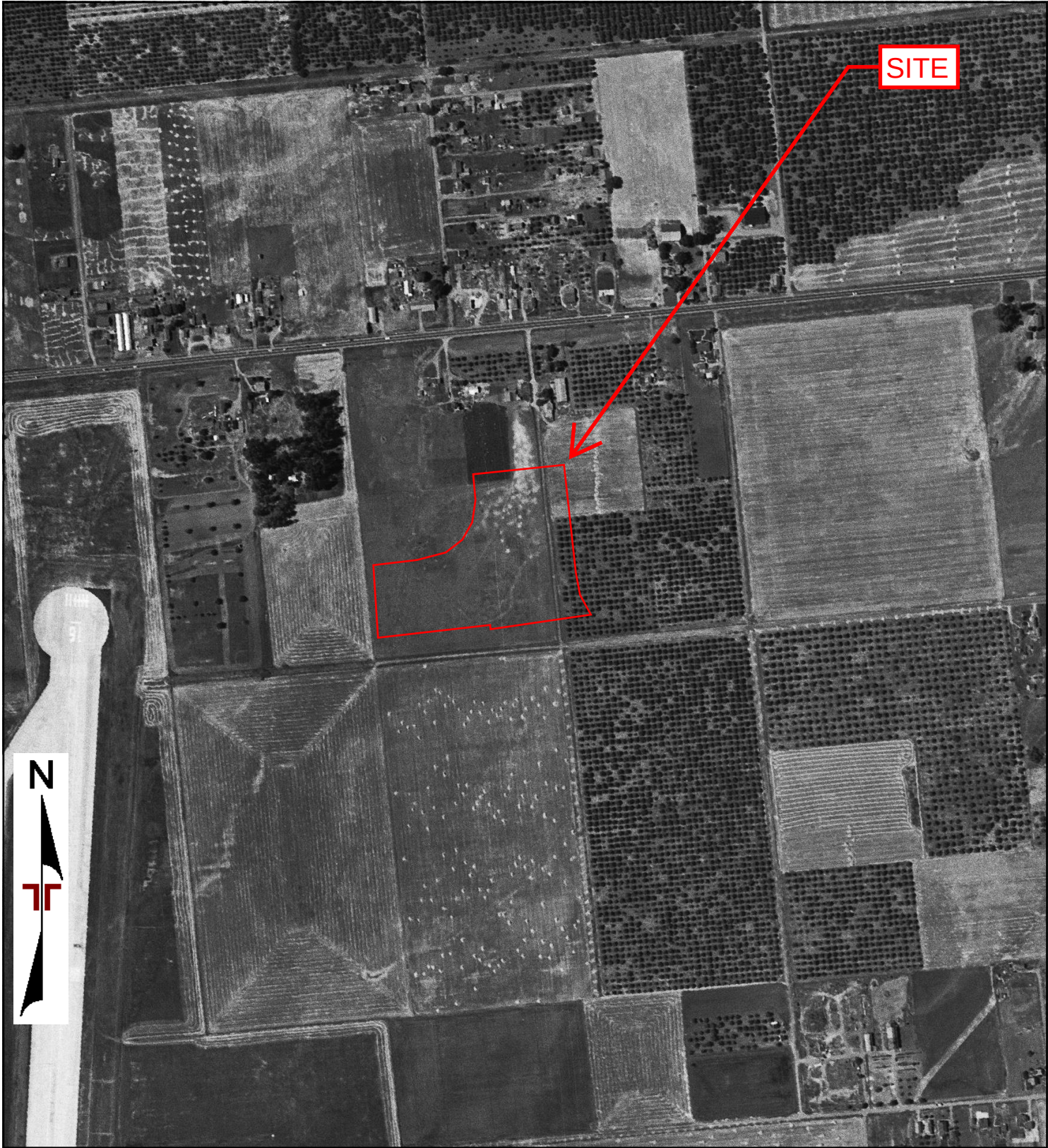


50 Goldenland Ct., #100
Sacramento, CA 95834

1957 AERIAL PHOTOGRAPH

**PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA**

Appendix
C



0 Feet 500 1000 2000

Project Manager:	Project No: NB197196
Drawn By:	Scale: As Shown
Checked By:	File Name:
Approved By:	Date: 1952

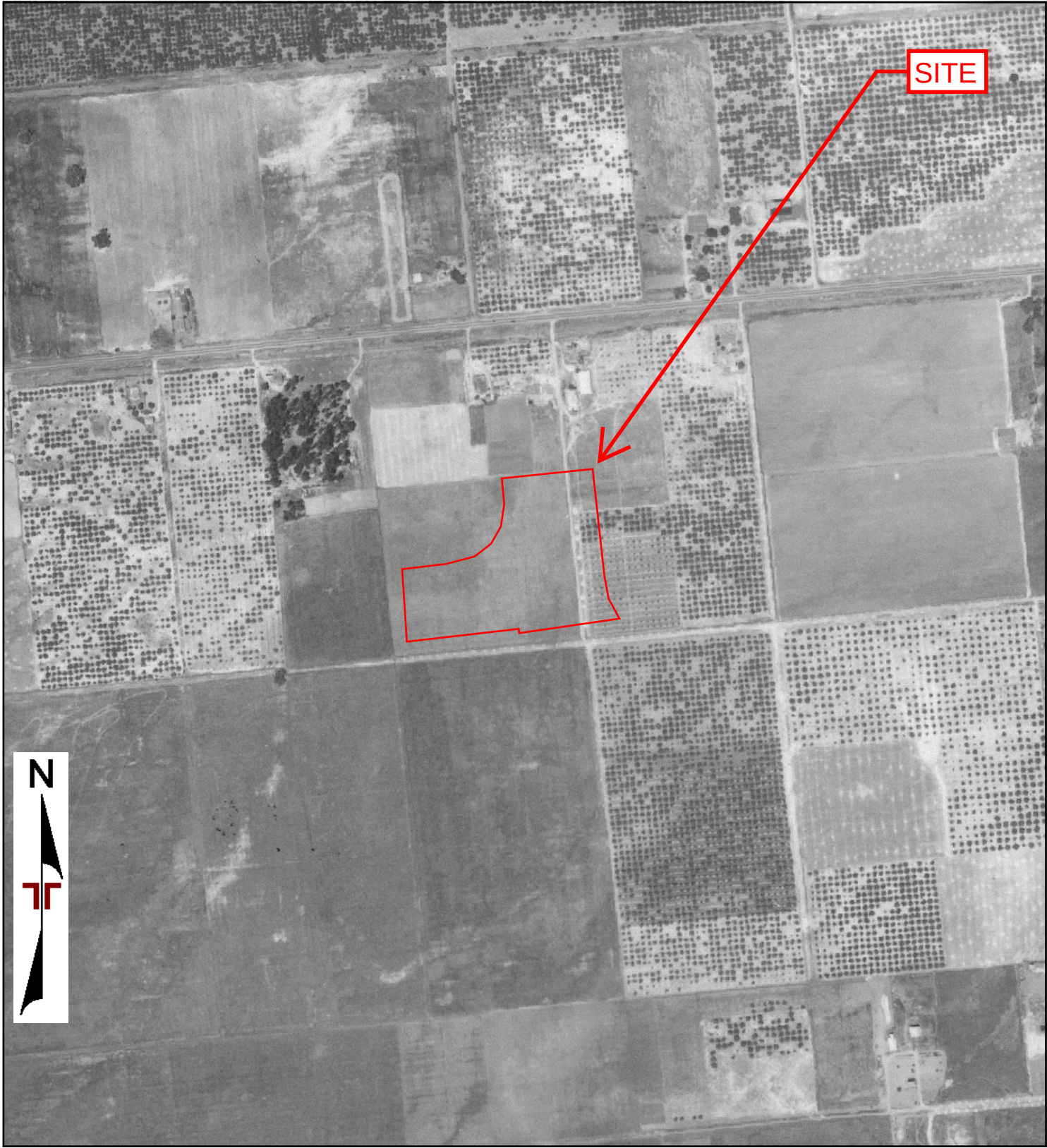


50 Goldenland Ct., #100
Sacramento, CA 95834

1952 AERIAL PHOTOGRAPH

**PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA**

Appendix
C



0 Feet

500

1000

2000

Project Manager:	Project No: NB197196
Drawn By:	Scale: As Shown
Checked By:	File Name:
Approved By:	Date: 1942

Terracon

50 Goldenland Ct., #100
Sacramento, CA 95834

1942 AERIAL PHOTOGRAPH

**PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA**

Appendix

C



Proposed VA Center

Wayside DR

Santa Rosa, CA 95407

Inquiry Number: 5746166.4

August 08, 2019

EDR Historical Topo Map Report

with QuadMatch™



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Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

08/08/19

Site Name:

Proposed VA Center
Wayside DR
Santa Rosa, CA 95407
EDR Inquiry # 5746166.4

Client Name:

Terracon
50 Goldenland Ct., #100
Sacramento, CA 95834
Contact: Alexis Clemente



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Terracon were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	NA	Latitude:	38.423363 38° 25' 24" North
Project:	NB197196	Longitude:	-122.750925 -122° 45' 3" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	521741.82
		UTM Y Meters:	4252819.09
		Elevation:	111.00' above sea level

Maps Provided:

2012	1935
1998	1916
1980	
1973	
1968	
1954	
1947	
1942, 1944	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

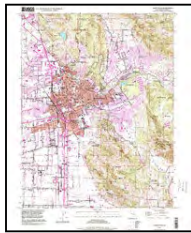


Sebastopol
2012
7.5-minute, 24000



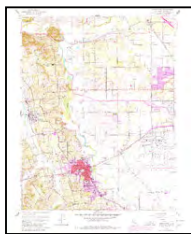
Santa Rosa
2012
7.5-minute, 24000

1998 Source Sheets



Santa Rosa
1998
7.5-minute, 24000
Aerial Photo Revised 1994

1980 Source Sheets



Sebastopol
1980
7.5-minute, 24000
Aerial Photo Revised 1973



Santa Rosa
1980
7.5-minute, 24000
Aerial Photo Revised 1978

1973 Source Sheets

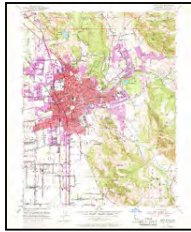


Santa Rosa
1973
7.5-minute, 24000
Aerial Photo Revised 1973

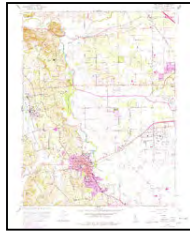
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1968 Source Sheets



Santa Rosa
1968
7.5-minute, 24000
Aerial Photo Revised 1968



Sebastopol
1968
7.5-minute, 24000
Aerial Photo Revised 1968

1954 Source Sheets



Santa Rosa
1954
7.5-minute, 24000
Aerial Photo Revised 1952



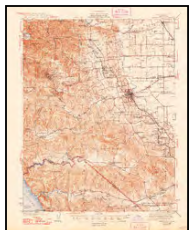
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1954
7.5-minute, 24000
Aerial Photo Revised 1952

1947 Source Sheets

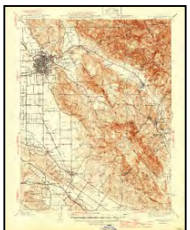


SEBASTOPOL
1947
15-minute, 62500

1942, 1944 Source Sheets



Sebastopol
1942
15-minute, 62500



Santa Rosa
1944
15-minute, 62500

Topo Sheet Key

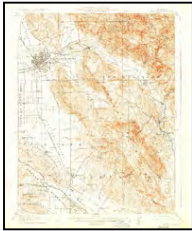
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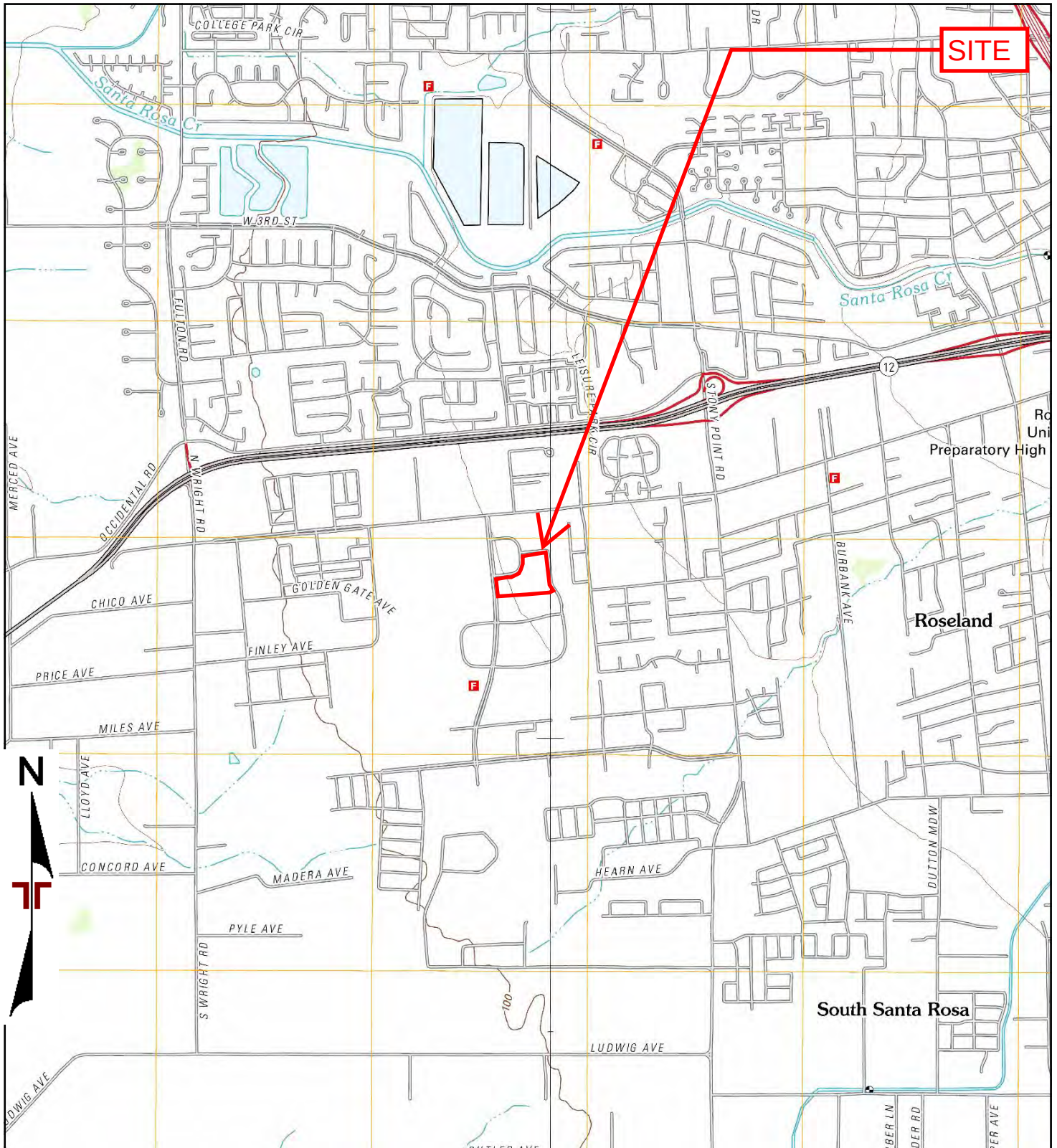


Sebastopol
1935
15-minute, 48000

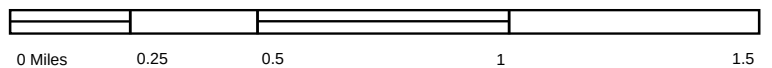
1916 Source Sheets



Santa Rosa
1916
15-minute, 62500



TP, Sebastopol, 2012, 7.5-minute
E, Santa Rosa, 2012, 7.5-minute



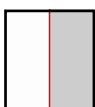
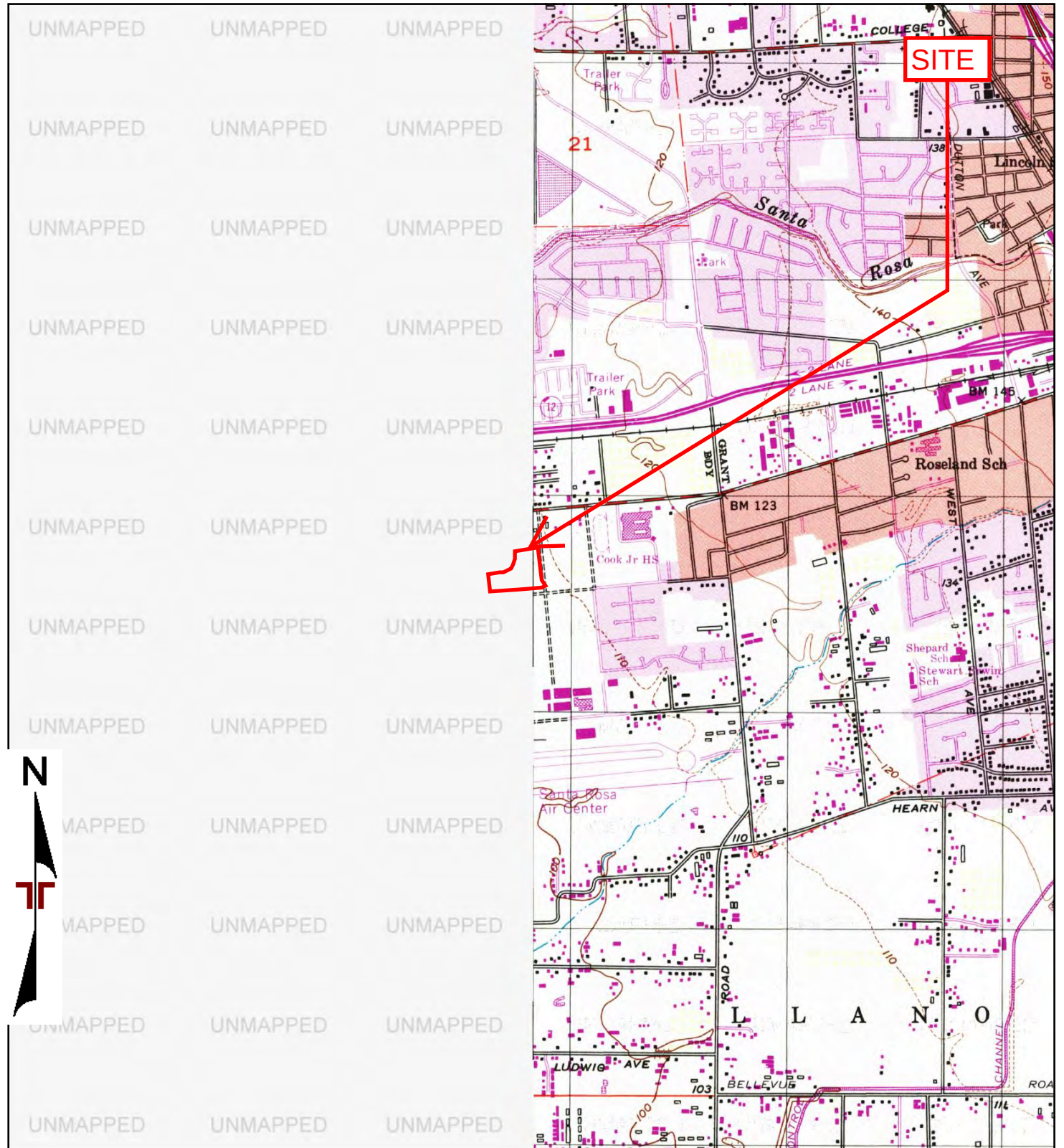
Project Manager:	Project No. NB197196
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 2012

Terracon
50 Goldenland Ct., #100
Sacramento, CA 95834

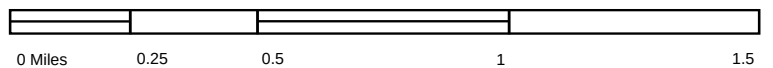
2012 TOPOGRAPHIC MAP
PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA

Appendix

C



E, Santa Rosa, 1998, 7.5-minute



Project Manager:	Project No. NB197196
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 1998

Terracon

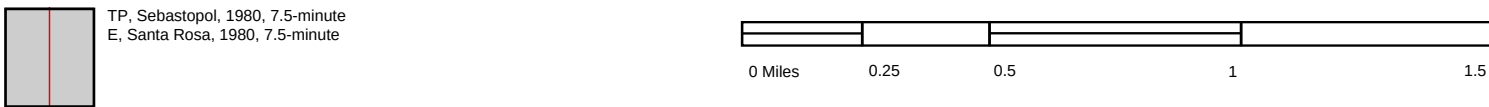
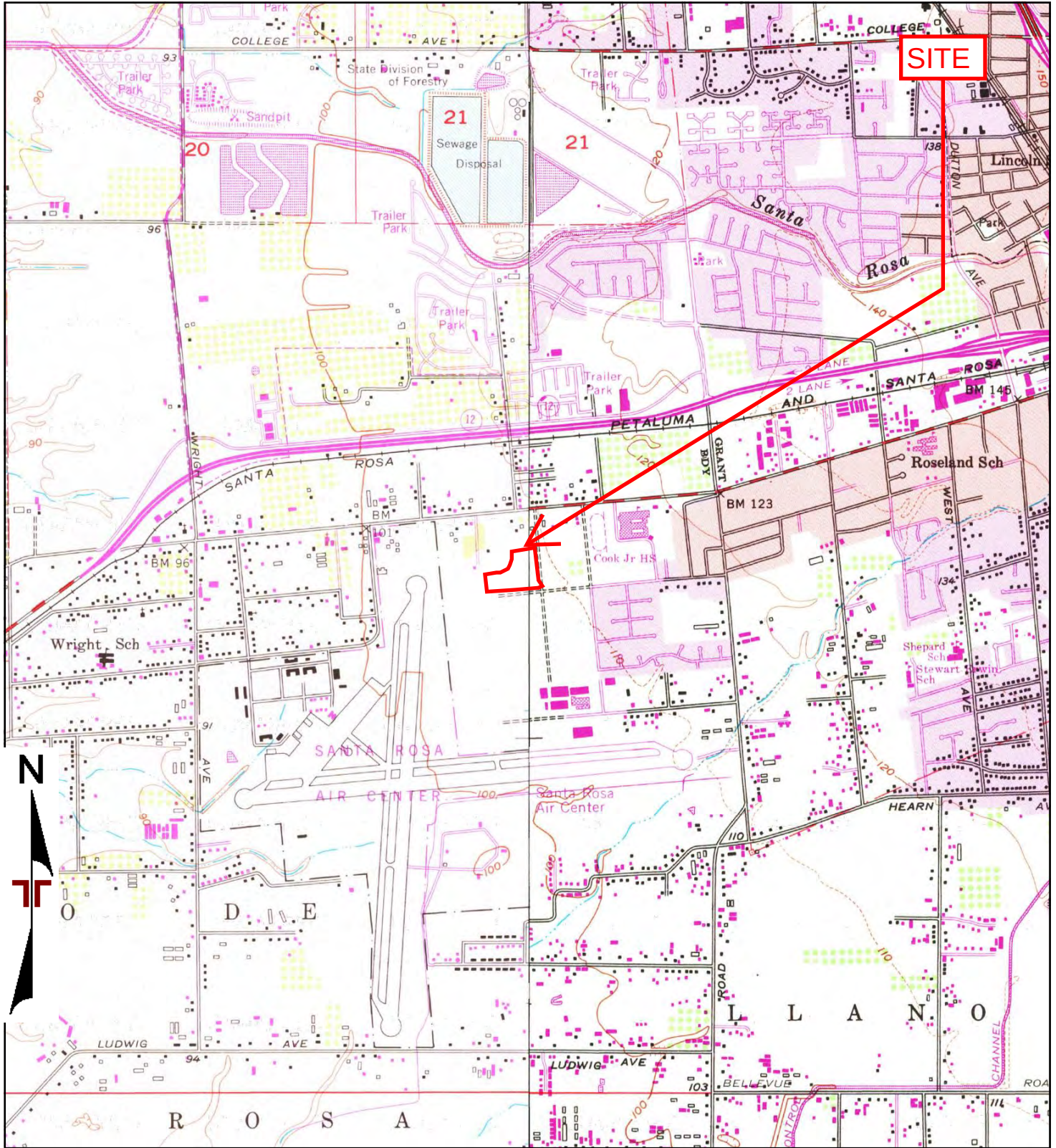
50 Goldenland Ct., #100
Sacramento, CA 95834

1998 TOPOGRAPHIC MAP

**PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA**

Appendix

C



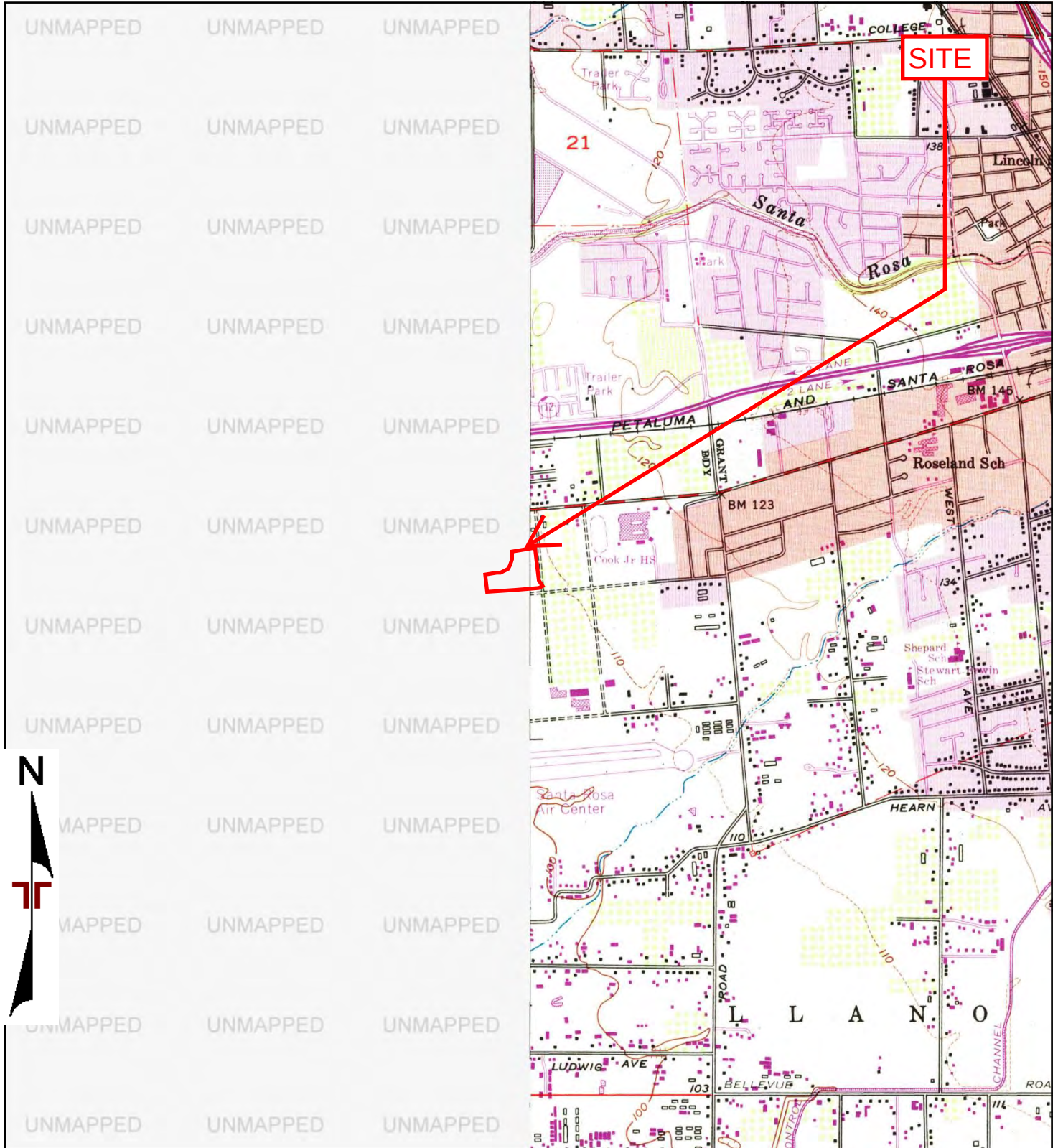
Project Manager:	Project No. NB197196
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 1980

50 Goldenland Ct., #100
Sacramento, CA 95834

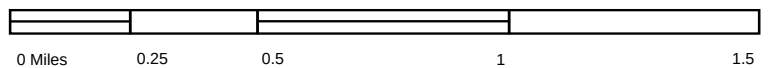
1980 TOPOGRAPHIC MAP

PROPOSED VETERANS AFFAIRS CENTER
 SOUTHWEST CORNER OF CAPRICORN WAY
 AND APOLLO WAY
 SANTA ROSA, SONOMA COUNTY, CALIFORNIA

Appendix
C



E, Santa Rosa, 1973, 7.5-minute



Project Manager:	Project No. NB197196
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 1973

Terracon

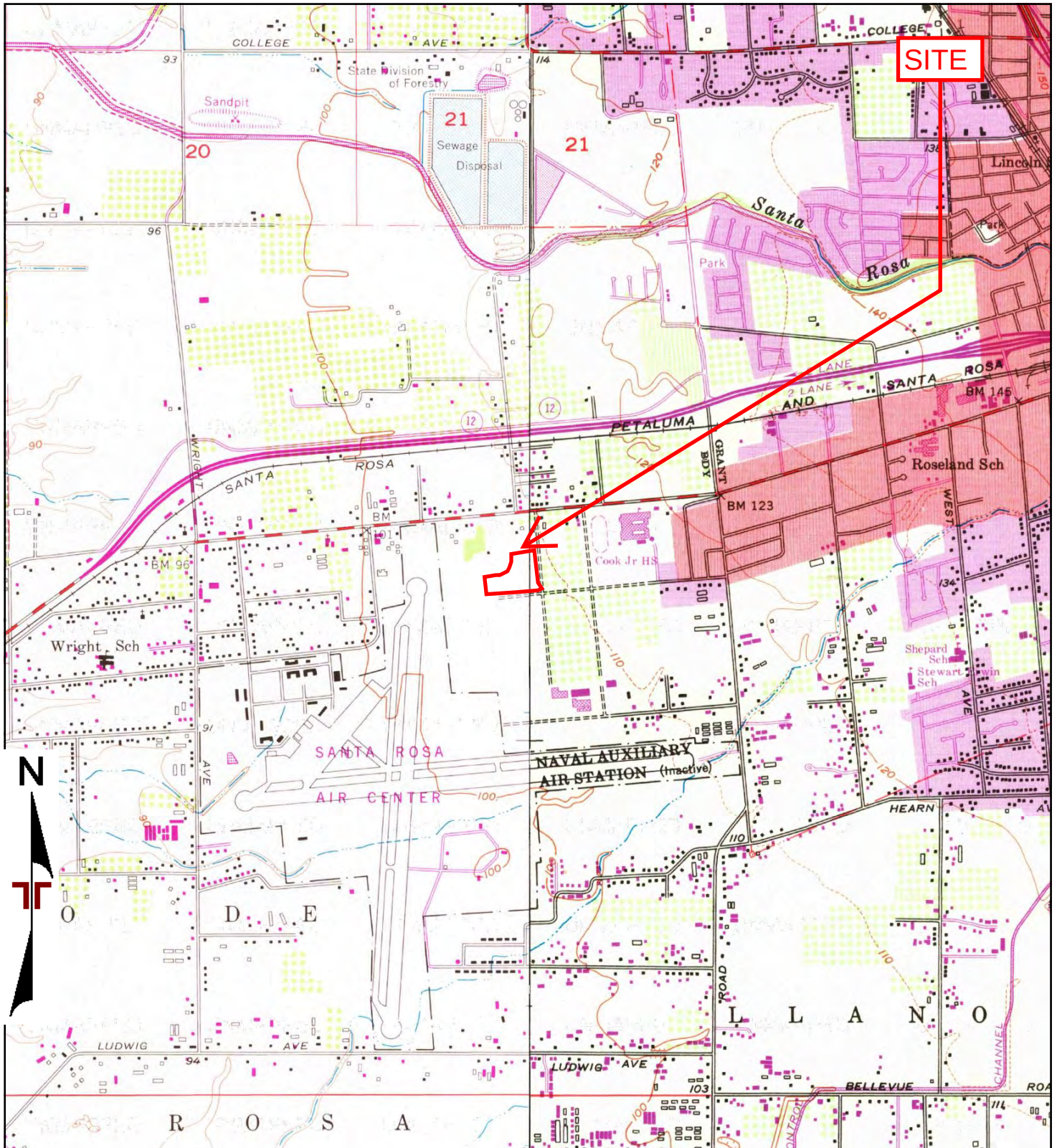
50 Goldenland Ct., #100
Sacramento, CA 95834

1973 TOPOGRAPHIC MAP

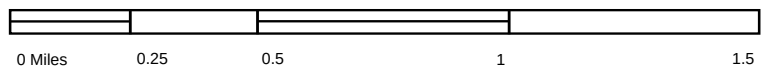
**PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA**

Appendix

C



TP, Sebastopol, 1968, 7.5-minute
E, Santa Rosa, 1968, 7.5-minute

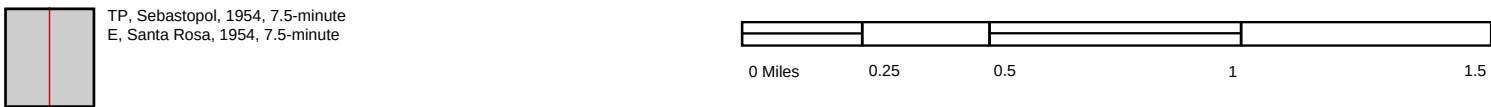
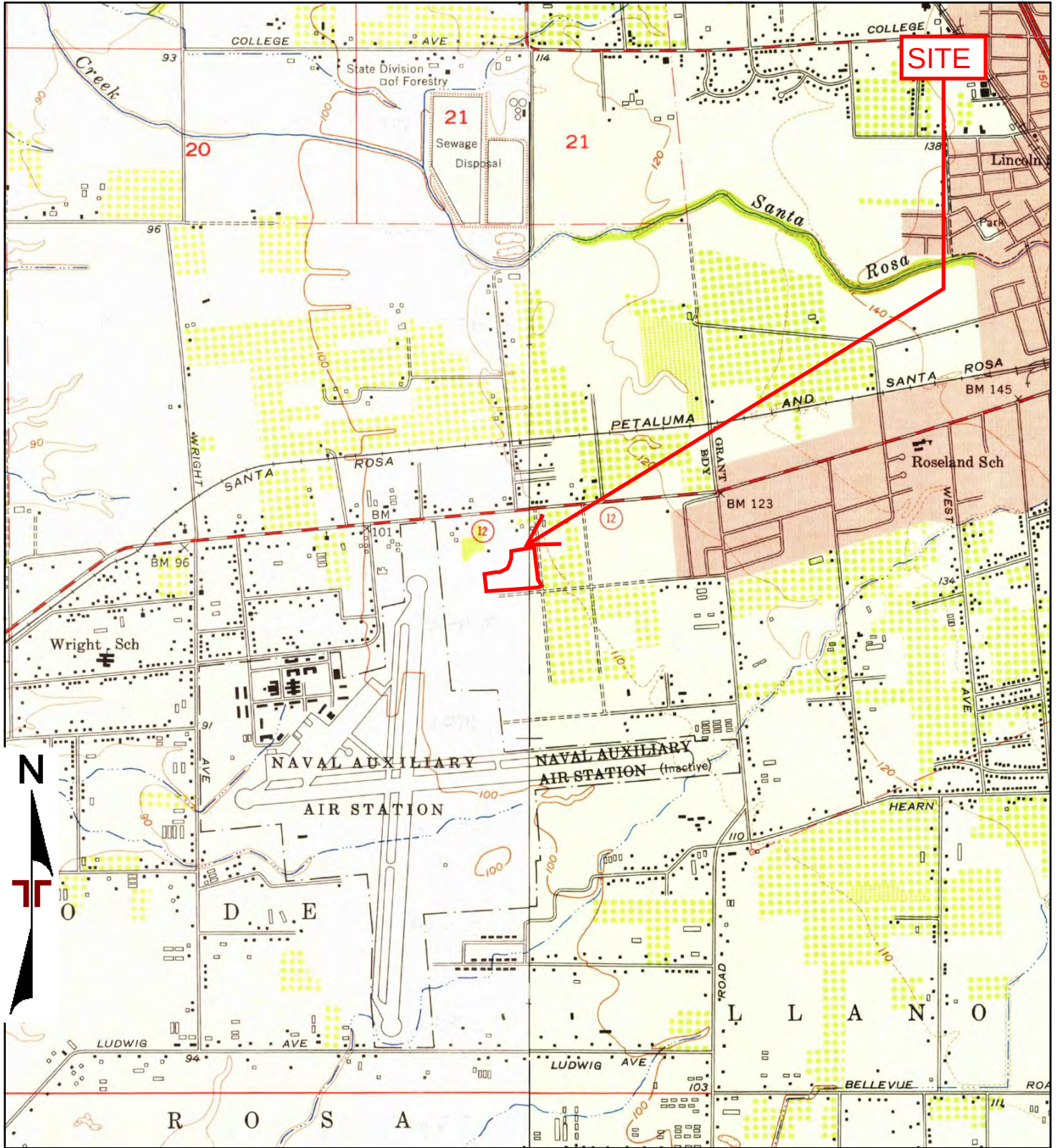


Project Manager:	Project No. NB197196
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 1968

Terracon
50 Goldenland Ct., #100
Sacramento, CA 95834

1968 TOPOGRAPHIC MAP
PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA

Appendix
C



Project Manager:	Project No. NB197196
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 1954

Terracon

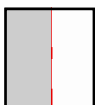
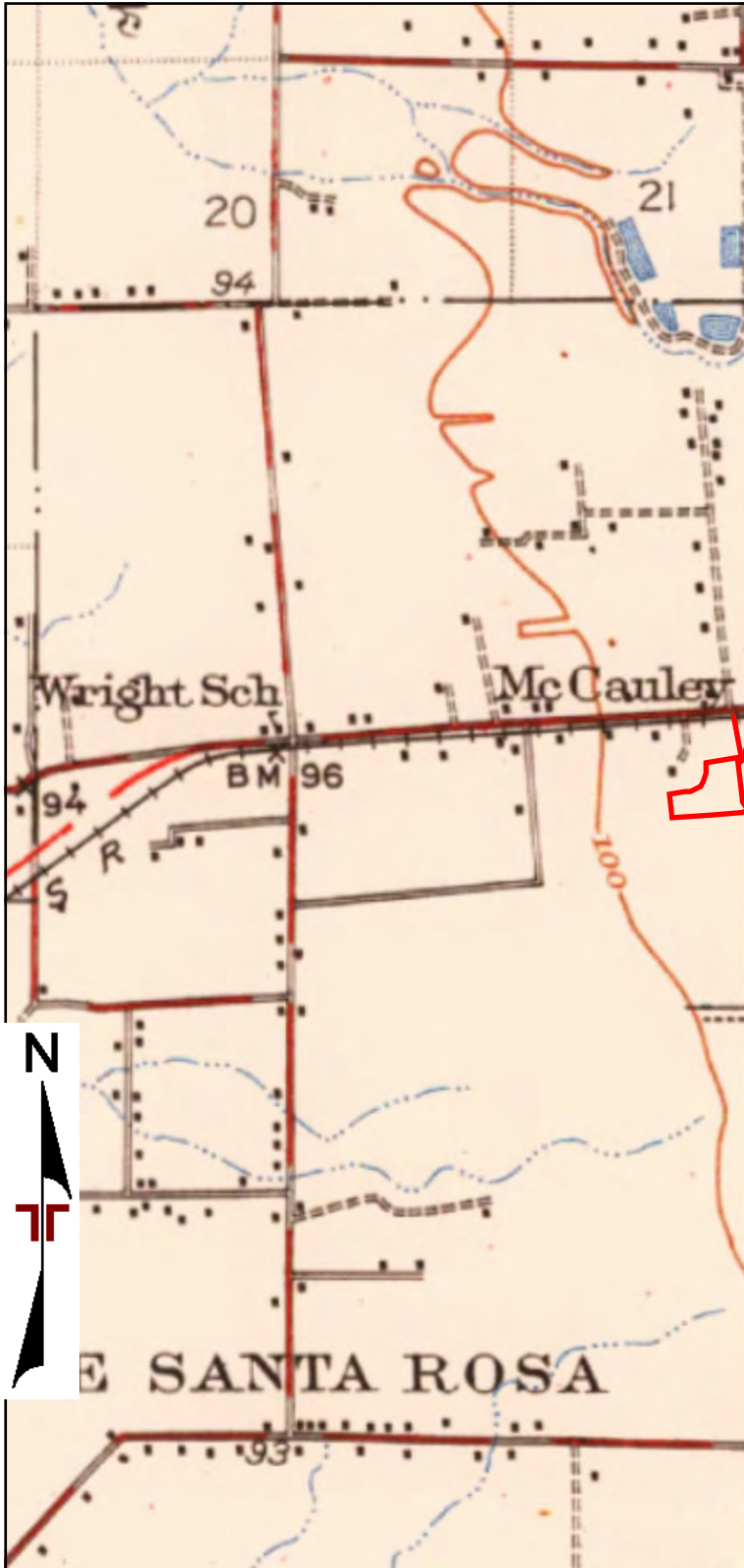
50 Goldenland Ct., #100
Sacramento, CA 95834

1954 TOPOGRAPHIC MAP

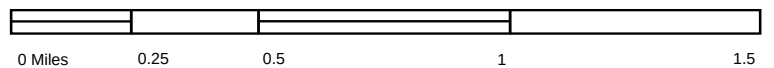
**PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA**

Appendix

C



TP, SEBASTOPOL, 1947, 15-minute



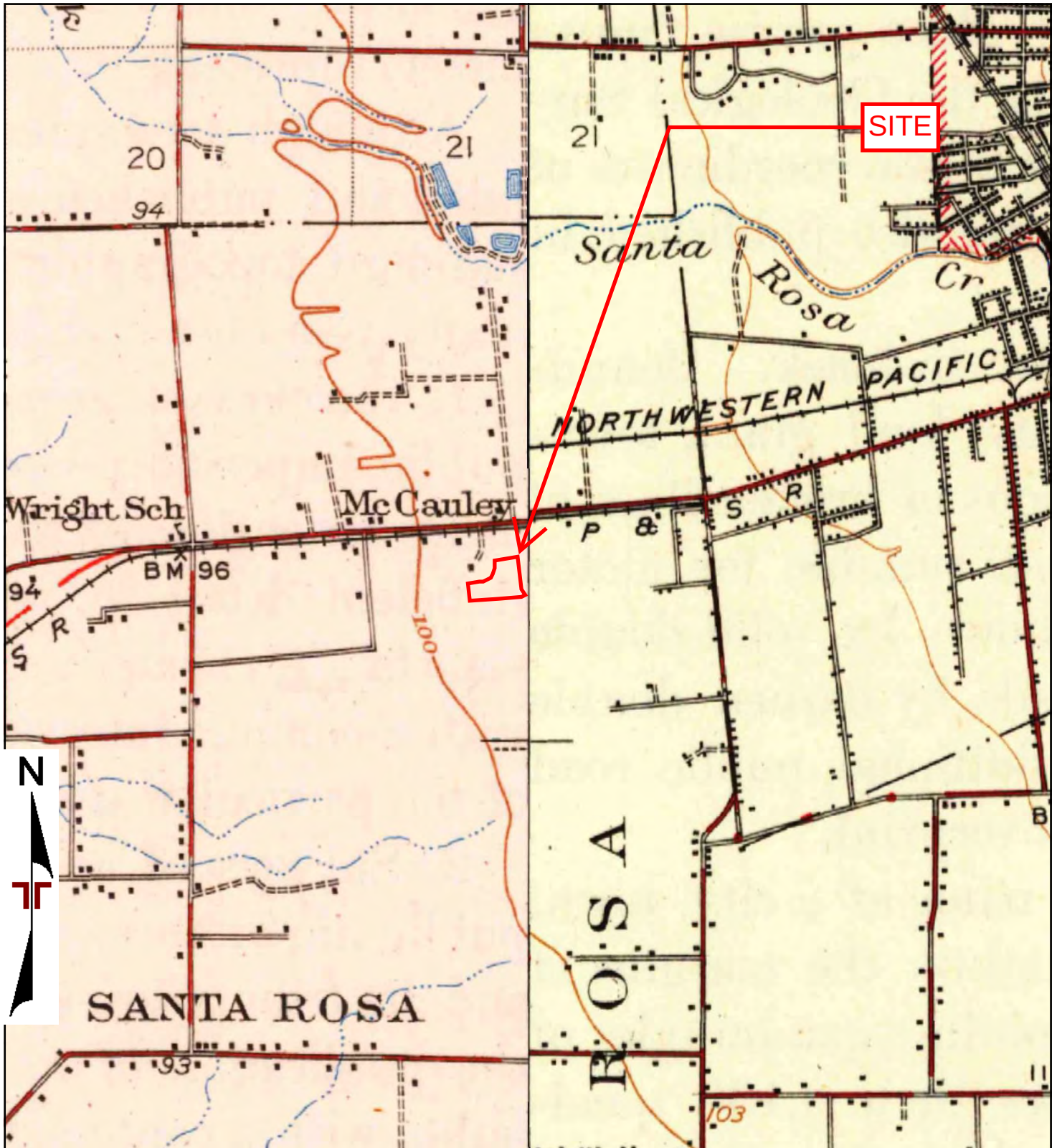
Project Manager:	Project No. NB197196
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 1947

Terracon
50 Goldenland Ct., #100
Sacramento, CA 95834

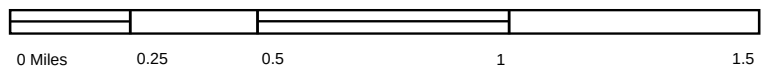
1947 TOPOGRAPHIC MAP
PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA

Appendix

C



TP, Sebastopol, 1942, 15-minute
SE, Santa Rosa, 1944, 15-minute



Project Manager:	Project No. NB197196
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 1942, 1944

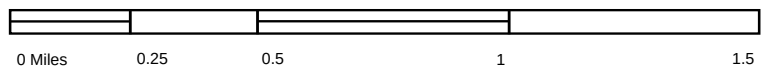
Terracon
50 Goldenland Ct., #100
Sacramento, CA 95834

1942, 1944 TOPOGRAPHIC MAP
PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA

Appendix
C



TP, Sebastopol, 1935, 15-minute

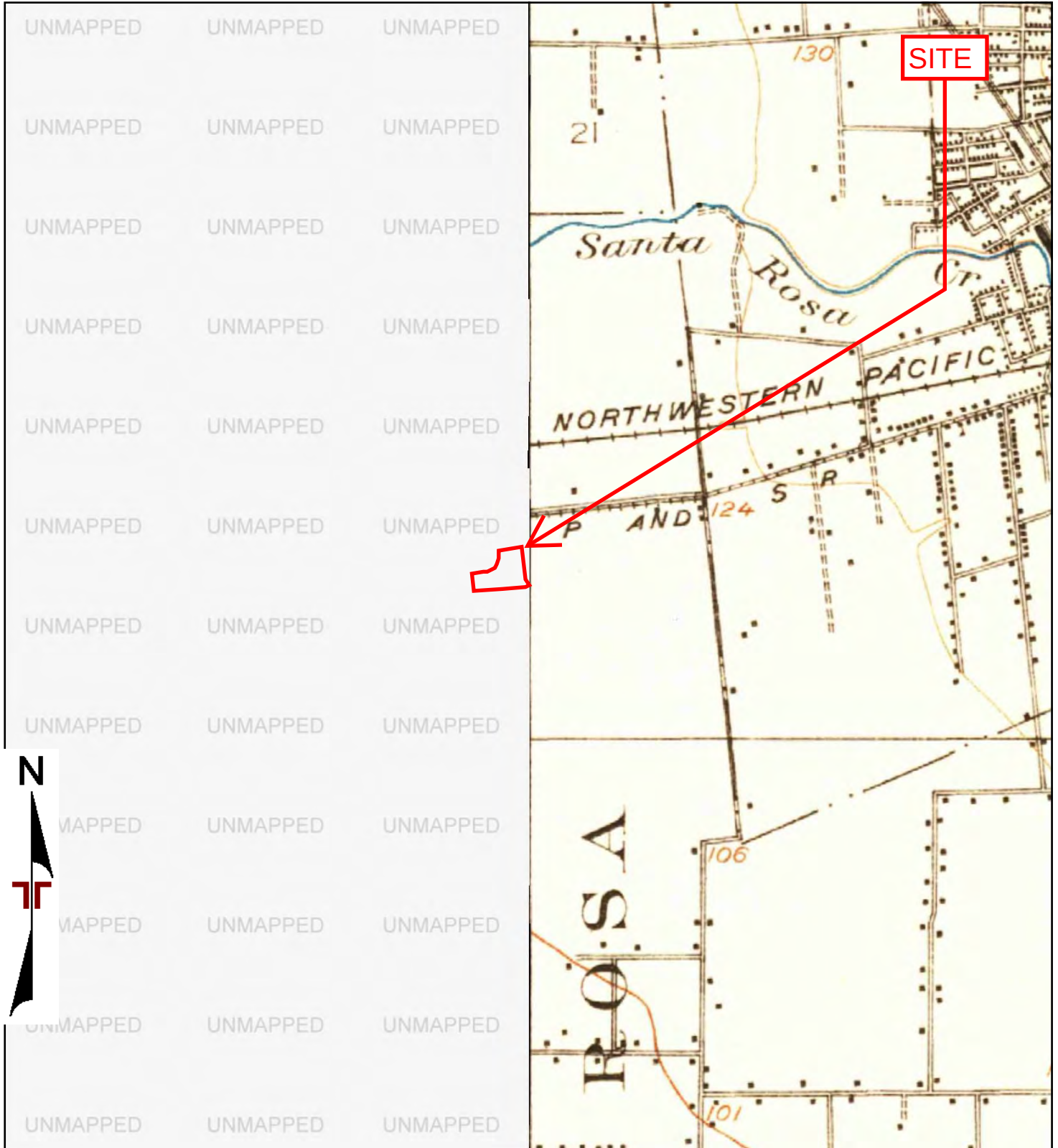


Project Manager:	Project No. NB197196
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 1935

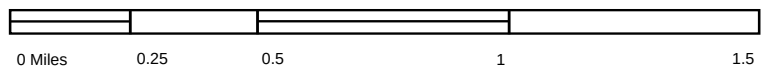
Terracon
50 Goldenland Ct., #100
Sacramento, CA 95834

1935 TOPOGRAPHIC MAP
PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA

Appendix
C



SE, Santa Rosa, 1916, 15-minute



Project Manager:	Project No. NB197196
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 1916

Terracon
50 Goldenland Ct., #100
Sacramento, CA 95834

1916 TOPOGRAPHIC MAP
PROPOSED VETERANS AFFAIRS CENTER
SOUTHWEST CORNER OF CAPRICORN WAY
AND APOLLO WAY
SANTA ROSA, SONOMA COUNTY, CALIFORNIA

Appendix
C



Proposed VA Center

Wayside DR

Santa Rosa, CA 95407

Inquiry Number: 5746166.3

August 08, 2019

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/08/19

Site Name:

Proposed VA Center
Wayside DR
Santa Rosa, CA 95407
EDR Inquiry # 5746166.3

Client Name:

Terracon
50 Goldenland Ct., #100
Sacramento, CA 95834
Contact: Alexis Clemente



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Terracon were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 7FB1-457E-B1F5

PO # NA

Project NB197196

UNMAPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 7FB1-457E-B1F5

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Proposed VA Center

Wayside DR
Santa Rosa, CA 95407

Inquiry Number: 5746166.5
August 12, 2019

The EDR-City Directory Abstract

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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

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1930 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 2640 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2014	EDR Digital Archive	-	X	X	-
2010	EDR Digital Archive	-	X	X	-
2006	AT & T Yellow Pages	-	X	X	-
	AT & T Yellow Pages	X	X	X	-
1994	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1990	R. L. Polk Co. Publishers	-	X	X	-
	R. L. Polk Co. Publishers	X	X	X	-
1987	R. L. Polk Co. Publishers	-	X	X	-
	R. L. Polk Co. Publishers	X	X	X	-
1981	The Pacific Telephone and Telegraph Company	-	X	X	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1976	R. L. Polk Co. Publishers	-	X	X	-
1970	R. L. Polk Co. Publishers	-	X	X	-
1965	R. L. Polk Co. Publishers	-	X	X	-
1961	R. L. Polk Co., Publishers	-	X	X	-
1958	R. L. Polk Co., Publishers	-	X	X	-
1953	R. L. Polk Co., Publishers	-	X	X	-
1947	R. L. Polk Co., Publishers	-	-	-	-
1935	R. L. Polk Co., Publishers	-	-	-	-
1930	R. L. Polk Co., of California Publishers	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
2200 Challenger Way	Client Entered	
950 Apollo Way	Client Entered	
2200 Capricorn Way	Client Entered	
2200 Mercury Way	Client Entered	X
900 Corporate Center Parkway	Client Entered	
2230 Challenger Way	Client Entered	
2232 Challenger Way	Client Entered	
2234 Challenger Way	Client Entered	
2236 Challenger Way	Client Entered	
2238 Challenger Way	Client Entered	
2240 Challenger Way	Client Entered	
2242 Challenger Way	Client Entered	
2244 Challenger Way	Client Entered	
2246 Challenger Way	Client Entered	
2248 Challenger Way	Client Entered	
2250 Challenger Way	Client Entered	
2252 Challenger Way	Client Entered	
2254 Challenger Way	Client Entered	
2256 Challenger Way	Client Entered	
2258 Challenger Way	Client Entered	
2260 Challenger Way	Client Entered	
2262 Challenger Way	Client Entered	
2264 Challenger Way	Client Entered	
2266 Challenger Way	Client Entered	
2268 Challenger Way	Client Entered	
2270 Challenger Way	Client Entered	
2272 Challenger Way	Client Entered	
2274 Challenger Way	Client Entered	
2276 Challenger Way	Client Entered	
2278 Challenger Way	Client Entered	
2280 Challenger Way	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

Wayside DR
Santa Rosa, CA 95407

FINDINGS DETAIL

Target Property research detail.

Challenger Way

2200 Challenger Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>

Mercury Way

2200 Mercury Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Xolar Corp	AT & T Yellow Pages
1994	MANAGEMENT CORP	Pacific Bell
	MEDIA LINK	Pacific Bell
1990	Dutton & Associates Inc geni contr	R. L. Polk Co. Publishers
1987	Dutton & Associates Inc geni contr	R. L. Polk Co. Publishers

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

Apollo Way

1000 Apollo Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ENGINEERING CONTRACTOR ASSOC	EDR Digital Archive
	REDWOOD EMPIRE CNCIL BOY SCOUT	EDR Digital Archive
	ROBERTS & BURNE CO	EDR Digital Archive
	ROTOFACTORY	EDR Digital Archive
	PACIFIC COAST MULTIMEDIA LLC	EDR Digital Archive
	VISUAL EFFECTS	EDR Digital Archive
	EATON CORPORATION	EDR Digital Archive
	BALLINGER RESTAURANT EQP INC	EDR Digital Archive
	ENGINEERING CONTRACTOR ASSOC	EDR Digital Archive
	ROBERTS & BURNE CO	EDR Digital Archive
	ROTOFACTORY	EDR Digital Archive
	PACIFIC COAST MULTIMEDIA LLC	EDR Digital Archive
	VISUAL EFFECTS	EDR Digital Archive
	REDWOOD EMPIRE CNCIL BOY SCOUT	EDR Digital Archive
	EATON CORPORATION	EDR Digital Archive
	BALLINGER RESTAURANT EQP INC	EDR Digital Archive
2010	PACIFIC COAST MULTIMEDIA LLC	EDR Digital Archive
	EATON CORPORATION	EDR Digital Archive
	REDWOOD EMPIRE COUNCIL	EDR Digital Archive
	BRABETZ INC	EDR Digital Archive
	CHALLENGER ELECTRICAL EQP	EDR Digital Archive
	VISUAL EFFECTS	EDR Digital Archive
	ROTOFACTORY	EDR Digital Archive
	ROBERTS & BURNE CO	EDR Digital Archive
	ENGINEERING CONTRACTOR ASSOC	EDR Digital Archive
	PACIFIC COAST MULTIMEDIA LLC	EDR Digital Archive
	EATON CORPORATION	EDR Digital Archive
	CHALLENGER ELECTRICAL EQP	EDR Digital Archive
	VISUAL EFFECTS	EDR Digital Archive
	ROTOFACTORY	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	ROBERTS & BURNE CO	EDR Digital Archive
	REDWOOD EMPIRE COUNCIL	EDR Digital Archive
	BRABETZ INC	EDR Digital Archive
	ENGINEERING CONTRACTOR ASSOC	EDR Digital Archive

1030 Apollo Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	BEAMS INC	EDR Digital Archive
	NORTH COAST BUILDERS EXCHANGE	EDR Digital Archive
	BEAMS INC	EDR Digital Archive
	NORTH COAST BUILDERS EXCHANGE	EDR Digital Archive
2010	BEAMS INC	EDR Digital Archive
	NORTH COAST BUILDERS EXCHANGE	EDR Digital Archive
	NORTH COAST BUILDERS EXCHANGE	EDR Digital Archive
	BEAMS INC	EDR Digital Archive

1234 Apollo Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	BLEND LLC	EDR Digital Archive
	BLEND LLC	EDR Digital Archive

APOLLO WAY

1234 APOLLO WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	DREYERS OF SANTA	Pacific Bell
1990	Western Builders Empire Glass door & glass co	R. L. Polk Co. Publishers
1987	& glass co	R. L. Polk Co. Publishers
	Western Builders Empire Glass door	R. L. Polk Co. Publishers

Apollo Way

1244 Apollo Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	FATCO HOLDINGS LLC	EDR Digital Archive
	FATCO HOLDINGS LLC	EDR Digital Archive

1264 Apollo Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SANTA ROSA CORP PARTNERS LLC	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	INFO STOR INFO STOR CTRS INC	EDR Digital Archive
	SANTA ROSA CORP PARTNERS LLC	EDR Digital Archive
	INFO STOR INFO STOR CTRS INC	EDR Digital Archive
2010	INFO STOR INFO STOR CTRS INC	EDR Digital Archive
	SANTA ROSA CORP PARTNERS LLC	EDR Digital Archive
	INFO STOR INFO STOR CTRS INC	EDR Digital Archive
	SANTA ROSA CORP PARTNERS LLC	EDR Digital Archive

APOLLO WAY

1264 APOLLO WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	INFO STOR	AT & T Yellow Pages

Apollo Way

2250 Apollo Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	NATIONAL METER & AUTOMTN INC	EDR Digital Archive
	KDDI AMERICA	EDR Digital Archive
	NATIONAL METER & AUTOMTN INC	EDR Digital Archive
	KDDI AMERICA	EDR Digital Archive
2010	KDDI AMERICA	EDR Digital Archive
	NATIONAL METER & AUTOMTN INC	EDR Digital Archive
	BADGER METER INC	EDR Digital Archive
	INDIGENOUS DESIGNS CORPORATION	EDR Digital Archive
	KDDI AMERICA	EDR Digital Archive
	NATIONAL METER & AUTOMTN INC	EDR Digital Archive
	BADGER METER INC	EDR Digital Archive
	INDIGENOUS DESIGNS CORPORATION	EDR Digital Archive

2260 Apollo Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	XPONENTIA INC	EDR Digital Archive
	SONIC TELECOM LLC	EDR Digital Archive
	SNP LLC	EDR Digital Archive
	LC DATA LLC	EDR Digital Archive
	LA CARTE	EDR Digital Archive
	SNP LLC	EDR Digital Archive
	SONIC TELECOM LLC	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LC DATA LLC	EDR Digital Archive
	LA CARTE	EDR Digital Archive
	XPONENTIA INC	EDR Digital Archive
2010	XPONENTIA INC	EDR Digital Archive
	SONIC TELECOM LLC	EDR Digital Archive
	CALIFORNIA ISP ASSOCIATION INC	EDR Digital Archive
	LA CARTE	EDR Digital Archive
	SNP LLC	EDR Digital Archive
	PANATON INC	EDR Digital Archive
	BROADLINK COMMUNICATIONS INC	EDR Digital Archive
	WATSON CHRISTOPHER	EDR Digital Archive
	ACCERRA INC	EDR Digital Archive
	CALIFORNIA ISP ASSOCIATION INC	EDR Digital Archive
	LA CARTE	EDR Digital Archive
	PANATON INC	EDR Digital Archive
	BROADLINK COMMUNICATIONS INC	EDR Digital Archive
	SNP LLC	EDR Digital Archive
	SONIC TELECOM LLC	EDR Digital Archive
	WATSON CHRISTOPHER	EDR Digital Archive
	ACCERRA INC	EDR Digital Archive
	XPONENTIA INC	EDR Digital Archive

APOLLO WAY

2260 APOLLO WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Tage Multimedia	AT & T Yellow Pages

APPOLLO WAY

1202 APPOLLO WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Jeff Luchetti Construction Inc	AT & T Yellow Pages

1244 APPOLLO WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	AHS	AT & T Yellow Pages

FINDINGS

1264 APPOLLO WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	INFO STOR	AT & T Yellow Pages

2250 APPOLLO WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Discovery Office Systems	AT & T Yellow Pages
	First American Home Buyers Protection	AT & T Yellow Pages
	National Meter Automation Inc	AT & T Yellow Pages

2260 APPOLLO WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Connections IT Inc	AT & T Yellow Pages
	PFIFFNER Tim	AT & T Yellow Pages
	Xponentia Inc	AT & T Yellow Pages
	Broadlink Communications	AT & T Yellow Pages
	Soni net	AT & T Yellow Pages
	La Carte	AT & T Yellow Pages
	L & W Environmental Services Inc .	AT & T Yellow Pages
	A 1 Network Solutions	AT & T Yellow Pages
	Elaborative Technologies	AT & T Yellow Pages
	Soni net	AT & T Yellow Pages

BRITTAIN

720 BRITTAIN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RECENDEZ Anaiz	AT & T Yellow Pages

750 BRITTAIN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ARRINGTON Anthony	AT & T Yellow Pages

770 BRITTAIN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MCPAHONA&C	AT & T Yellow Pages

FINDINGS

BRITTA LN

375 BRITTA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers
1976	Courier Harry D	R. L. Polk Co. Publishers
1970	Courier Harry D	R. L. Polk Co. Publishers

385 BRITTA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Vacant	R. L. Polk Co. Publishers
1987	Limberg Dani	R. L. Polk Co. Publishers
1976	Glurcy Martin C	R. L. Polk Co. Publishers
1970	Long Andre R	R. L. Polk Co. Publishers
1965	Clapham Francis J civ eng	R. L. Polk Co. Publishers
1961	Calpham Francis J	R. L. Polk Co., Publishers
1958	de FPremerly Elena R Mrs	R. L. Polk Co., Publishers

461 BRITTA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Begley Kenneth R	R. L. Polk Co. Publishers
1965	Lalanne Jennie Mrs	R. L. Polk Co. Publishers
1961	Lalane Jennie Mrs	R. L. Polk Co., Publishers
1958	Lalane Jennie Mrs	R. L. Polk Co., Publishers

609 BRITTA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Kelly Roland J	R. L. Polk Co. Publishers
1987	Ke Uy Roland J	R. L. Polk Co. Publishers
1981	Aldis Khalila	The Pacific Telephone and Telegraph Company
1976	Lucas J	R. L. Polk Co. Publishers
1970	No Return	R. L. Polk Co. Publishers
1965	Brannigan Leila G Mrs	R. L. Polk Co. Publishers
1961	Nichols Clifton	R. L. Polk Co., Publishers
1958	Schwarzeweller Chas J	R. L. Polk Co., Publishers

610 BRITTA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HARDIN A	AT & T Yellow Pages

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Jon	AT & T Yellow Pages
1990	No Return	R. L. Polk Co. Publishers
1987	Capital Recovery Sys	R. L. Polk Co. Publishers
	House Joel G O	R. L. Polk Co. Publishers
1976	Moore Jim	R. L. Polk Co. Publishers
1970	Ray Jimmie A	R. L. Polk Co. Publishers
1965	Whitcomb Melvin R	R. L. Polk Co. Publishers
1961	Whitcomb Melvin R	R. L. Polk Co., Publishers
1958	Whitcomb Melvin R	R. L. Polk Co., Publishers

611 BRITAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Kelly Scott	R. L. Polk Co. Publishers
1987	Kelly Scott	R. L. Polk Co. Publishers
1981	Kelly Roland J	The Pacific Telephone and Telegraph Company
1976	Owen Richd D	R. L. Polk Co. Publishers
1970	Jackson Evelyn M	R. L. Polk Co. Publishers
1965	Jeppesen Peder V	R. L. Polk Co. Publishers
1961	Schrieber Peter	R. L. Polk Co., Publishers
1958	Schrieber Peter	R. L. Polk Co., Publishers

615 BRITAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ITURBE Indra	AT & T Yellow Pages
1990	Sullivan Ed	R. L. Polk Co. Publishers
1987	Sullivan Ed	R. L. Polk Co. Publishers
1976	Turner John	R. L. Polk Co. Publishers
1970	Clark Michl B	R. L. Polk Co. Publishers
1965	Barcoft Drus Ulia Mrs	R. L. Polk Co. Publishers
1961	Eells Darwin	R. L. Polk Co., Publishers
1958	Bradshaw Leonard R	R. L. Polk Co., Publishers

619 BRITAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Berry Stephen A	Pacific Bell
1990	Berry Stephen	R. L. Polk Co. Publishers
1987	Berry Stephen A	R. L. Polk Co. Publishers
1981	Berry Stephen A	The Pacific Telephone and Telegraph Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Berry Stephen	R. L. Polk Co. Publishers
1970	Ferguson Ol Ue M Mrs	R. L. Polk Co. Publishers
1965	Spencer Bonnie	R. L. Polk Co. Publishers
1961	Schauweiler Marvin	R. L. Polk Co., Publishers
1958	Jagdfeld Robt L	R. L. Polk Co., Publishers

644 BRITAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Lemos Rosendo T	R. L. Polk Co. Publishers
1987	Lemos Rosendo T	R. L. Polk Co. Publishers
1976	Lemos Rosendo T	R. L. Polk Co. Publishers
1970	Lemos Rosendo T	R. L. Polk Co. Publishers
1965	Hoskins Ralph	R. L. Polk Co. Publishers
1961	Birky Merle D	R. L. Polk Co., Publishers
1958	Birky Merle D	R. L. Polk Co., Publishers

652 BRITAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Silas	AT & T Yellow Pages
	ALVARENGA Julio	AT & T Yellow Pages
1994	Ramirez M E	Pacific Bell
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1976	Lucas Lillian Mrs	R. L. Polk Co. Publishers
1970	Lucas Lillian Mrs	R. L. Polk Co. Publishers
1965	Lucas Vincent T	R. L. Polk Co. Publishers
1961	Williams Ray R	R. L. Polk Co., Publishers
1958	Graves Lillian Mrs	R. L. Polk Co., Publishers

666 BRITAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Gendotti Lilia Mrs	R. L. Polk Co. Publishers
1987	Gendotti Lilia Mrs	R. L. Polk Co. Publishers
1976	Gendotti Clement E	R. L. Polk Co. Publishers
1970	Gendotti Clement E	R. L. Polk Co. Publishers
1965	Gendotti Clement E	R. L. Polk Co. Publishers
1961	Gendotti Clement E	R. L. Polk Co., Publishers
1958	Gendotte Rose V Mrs	R. L. Polk Co., Publishers

FINDINGS

670 BRITTAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SUGAWARA C	AT & T Yellow Pages
1994	Sugawara C	Pacific Bell
1990	Sugawara Chiyoko Mrs	R. L. Polk Co. Publishers
1987	Sugawara Chiyoko Mrs	R. L. Polk Co. Publishers
1976	Sugawara Fred M	R. L. Polk Co. Publishers
1970	Sugawara Fred M	R. L. Polk Co. Publishers
1965	Sugawara Fred M	R. L. Polk Co. Publishers
1961	Sugawara Fred M	R. L. Polk Co., Publishers
1958	Sugawara Fred M	R. L. Polk Co., Publishers

684 BRITTAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Johnson Jas J	Pacific Bell
1990	Johnson James J	R. L. Polk Co. Publishers
1987	Joliff Troy A	R. L. Polk Co. Publishers
	Johnson James J	R. L. Polk Co. Publishers
1981	Johnson Jas J	The Pacific Telephone and Telegraph Company
1976	Johnson James M	R. L. Polk Co. Publishers
1970	Stout James M	R. L. Polk Co. Publishers
1965	Stout Jas M	R. L. Polk Co. Publishers
1961	Stout Jas M	R. L. Polk Co., Publishers
1958	Stout Jas M	R. L. Polk Co., Publishers

Brittain Ln

710 Brittain Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MASTER COLOR PAINTING	EDR Digital Archive
	MASTER COLOR PAINTING	EDR Digital Archive
2010	MASTER COLOR PAINTING	EDR Digital Archive
	MASTER COLOR PAINTING	EDR Digital Archive

712 Brittain Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	KIDDIE FAMILY DAYCARE	EDR Digital Archive
	KIDDIE FAMILY DAYCARE	EDR Digital Archive

FINDINGS

BRITTA LN

712 BRITTA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Moser Debra	R. L. Polk Co. Publishers
1987	Moser Debra	R. L. Polk Co. Publishers
1981	Ortiz Robt	The Pacific Telephone and Telegraph Company
1976	Farwell K R	R. L. Polk Co. Publishers
1970	Farwell Kerlin R Jr	R. L. Polk Co. Publishers
1965	Reynolds Robt C	R. L. Polk Co. Publishers
1961	Hackenberg Wm H	R. L. Polk Co., Publishers
1958	Hackenberg Wm H	R. L. Polk Co., Publishers

714 BRITTA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Dewards Tj	Pacific Bell
	A Murphy Diane	Pacific Bell
	Building	Pacific Bell

716 BRITTA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GRIEMSMAN Gordon	AT & T Yellow Pages
1990	Vacant	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers
1976	Twyman Joseph L	R. L. Polk Co. Publishers
1970	Truymen Jesse L Rev	R. L. Polk Co. Publishers
1965	Twyman Jesse L	R. L. Polk Co. Publishers
1961	Twyman Jessie L	R. L. Polk Co., Publishers
1958	Twyman Jessie L	R. L. Polk Co., Publishers

718 BRITTA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Moser Donald L	Pacific Bell
1990	Moser Donald L	R. L. Polk Co. Publishers
1987	Moser Donald L	R. L. Polk Co. Publishers

720 BRITTA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RECCHIA B	AT & T Yellow Pages
	Zebu	AT & T Yellow Pages

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Rheinhardt F G	R. L. Polk Co. Publishers
1981	Rheinhardt Peggy	The Pacific Telephone and Telegraph Company
	Rheinhardt F Gerald	The Pacific Telephone and Telegraph Company
1976	Rheinhardt Gerald	R. L. Polk Co. Publishers
1970	Vacant	R. L. Polk Co. Publishers
1965	Tiso Patk M	R. L. Polk Co. Publishers
1961	Sweeney Ruth Mrs	R. L. Polk Co., Publishers
1958	Sweeney Ruth Mrs	R. L. Polk Co., Publishers

746 BRITAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Josefa	AT & T Yellow Pages
	SANTAMARIA Jose	AT & T Yellow Pages
1990	Winfrey Alberta Mrs	R. L. Polk Co. Publishers
1987	Winfrey Alberta Mrs	R. L. Polk Co. Publishers
1976	WinfreyZola A	R. L. Polk Co. Publishers
1970	Winfrey Zola A	R. L. Polk Co. Publishers
1965	Winfrey Zola A	R. L. Polk Co. Publishers
1961	Winfrey Alberta Mrs	R. L. Polk Co., Publishers
1958	Winfrey Alberta Mtrs	R. L. Polk Co., Publishers

748 BRITAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SOLORIQJanto	AT & T Yellow Pages
	Juan J	AT & T Yellow Pages
1990	Williams Arthur J	R. L. Polk Co. Publishers
1987	Williams Arthur J	R. L. Polk Co. Publishers
1981	Wiliams A J	The Pacific Telephone and Telegraph Company
1976	Williams Arthur	R. L. Polk Co. Publishers
1970	Vacant	R. L. Polk Co. Publishers
1965	Riggs Noel A	R. L. Polk Co. Publishers
1961	Vacant	R. L. Polk Co., Publishers
1958	Lane Wm	R. L. Polk Co., Publishers

750 BRITAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ARRINGTON Anthony	AT & T Yellow Pages
	L	AT & T Yellow Pages

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Buchanan John R	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1981	Gonfiotti Mario	The Pacific Telephone and Telegraph Company
1976	Knolton Pearl E	R. L. Polk Co. Publishers
1970	Vacant	R. L. Polk Co. Publishers
1965	Vacant	R. L. Polk Co. Publishers
1961	Ricksecker Gerald V	R. L. Polk Co., Publishers
1958	Vacant	R. L. Polk Co., Publishers

752 BRITTAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	David D	AT & T Yellow Pages
	Edson L	AT & T Yellow Pages
1994	Davis Edson L	Pacific Bell
1990	Davis Edson L	R. L. Polk Co. Publishers
1987	Davis Edson L O	R. L. Polk Co. Publishers
1976	Davis Edson L	R. L. Polk Co. Publishers
1970	Davis Edson L	R. L. Polk Co. Publishers
1965	Lowe Alice E Mrs	R. L. Polk Co. Publishers
1961	Lowe Chas E	R. L. Polk Co., Publishers
1958	Lowe Chas E	R. L. Polk Co., Publishers

756 BRITTAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Hodkiss Edw	R. L. Polk Co. Publishers
1987	Hodkiss Edw	R. L. Polk Co. Publishers
1976	Vacant	R. L. Polk Co. Publishers
1970	Likover Lewis H	R. L. Polk Co. Publishers
1965	Ringbauer Wm F	R. L. Polk Co. Publishers
1961	King J R	R. L. Polk Co., Publishers
1958	Johnson Ole E	R. L. Polk Co., Publishers

760 BRITTAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	Freman Kevin R	R. L. Polk Co. Publishers
1976	Sulser Johnny L	R. L. Polk Co. Publishers
1970	Cognnell Steven	R. L. Polk Co. Publishers

FINDINGS

762 BRITAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Galvez N	R. L. Polk Co. Publishers
1987	Galvez N	R. L. Polk Co. Publishers
1981	Silveira N	The Pacific Telephone and Telegraph Company
1976	Sweeney Connie C	R. L. Polk Co. Publishers
1970	Mc Entire Jerry L	R. L. Polk Co. Publishers

764 BRITAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1976	Guyer Thos D	R. L. Polk Co. Publishers
1970	Kin Hwan K Mrs	R. L. Polk Co. Publishers

766 BRITAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PINOCHI Jillian	AT & T Yellow Pages
1990	Barrio Jeffrey L	R. L. Polk Co. Publishers
1987	Barrio Jeffrey L	R. L. Polk Co. Publishers
1976	Reeb David A	R. L. Polk Co. Publishers
1970	No Return	R. L. Polk Co. Publishers
1965	Vacant	R. L. Polk Co. Publishers

768 BRITAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PIRES Antonio	AT & T Yellow Pages
	Joe A	AT & T Yellow Pages
1994	COHERENT POWER LTD	Pacific Bell
	JAMESCO ELECTRONICS	Pacific Bell
1990	James Ellen T	R. L. Polk Co. Publishers
	No Return	R. L. Polk Co. Publishers
	Jamesco Electronics telephone sys dirs	R. L. Polk Co. Publishers
1987	Bird L	R. L. Polk Co. Publishers
	James Ellen T	R. L. Polk Co. Publishers
	Jamesco Electronics telephone sys dirs	R. L. Polk Co. Publishers
	Ellen Telephone Limited telephone sys	R. L. Polk Co. Publishers
1981	Jamesco eictrnc & mechl repr	The Pacific Telephone and Telegraph Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	James Ellen T	The Pacific Telephone and Telegraph Company
1976	James Eldon T	R. L. Polk Co. Publishers
	fabricators	R. L. Polk Co. Publishers
1970	Felton Forrest W	R. L. Polk Co. Publishers
1965	Hill Clark D	R. L. Polk Co. Publishers
1961	Hansen Carl E	R. L. Polk Co., Publishers
1958	Hansen Carl E	R. L. Polk Co., Publishers

770 BRITAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MCMAHONA&C	AT & T Yellow Pages
	Greg	AT & T Yellow Pages
1994	Platt David G	Pacific Bell
1990	Platt David G	R. L. Polk Co. Publishers
1987	Platt David G	R. L. Polk Co. Publishers
1981	Platt David G	The Pacific Telephone and Telegraph Company
1976	Platt David G	R. L. Polk Co. Publishers
1970	Platt David G	R. L. Polk Co. Publishers
1965	Greenlee Melvin K	R. L. Polk Co. Publishers
1961	Patheal Patricia Mrs	R. L. Polk Co., Publishers
1958	Carlson Carl	R. L. Polk Co., Publishers

774 BRITAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ANDRESB	AT & T Yellow Pages
	Georgina	AT & T Yellow Pages
1990	Henderson Derik	R. L. Polk Co. Publishers
1987	Henderson Derik	R. L. Polk Co. Publishers
1981	Platt Stephen E	The Pacific Telephone and Telegraph Company
1976	No Return	R. L. Polk Co. Publishers
1970	Hill Frank L	R. L. Polk Co. Publishers
1965	Mc Lean Roy D	R. L. Polk Co. Publishers
1961	Righetti Marjorie Mrs	R. L. Polk Co., Publishers
1958	Righetti Jos	R. L. Polk Co., Publishers

818 BRITAIN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Giles Richd V	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Giles Richd V	R. L. Polk Co. Publishers
1976	La Franchi Laura A Mrs	R. L. Polk Co. Publishers
1970	La Franchi Laura A Mrs	R. L. Polk Co. Publishers
1965	La Franchi Laura	R. L. Polk Co. Publishers
1961	Vine Laura Mrs	R. L. Polk Co., Publishers
1958	Vine Laura Mrs	R. L. Polk Co., Publishers
	Wissig Douglas S	R. L. Polk Co., Publishers

836 BRITTA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Abel Cory J	R. L. Polk Co. Publishers
1987	Abel Gory J	R. L. Polk Co. Publishers
1976	Johnson Joe P	R. L. Polk Co. Publishers
1970	Mc Carty Rachel Mrs	R. L. Polk Co. Publishers
1965	Vacant	R. L. Polk Co. Publishers
1961	Vacant	R. L. Polk Co., Publishers
1958	Schindler Jennie Mrs	R. L. Polk Co., Publishers

840 BRITTA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	GRUAS GABY	Pacific Bell
1990	Sissle Larry	R. L. Polk Co. Publishers
1987	Helmke Fred	R. L. Polk Co. Publishers
	Fredericks Of Santa Rosa auto repr	R. L. Polk Co. Publishers

851 BRITTA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Silva David	R. L. Polk Co. Publishers
1987	Silva David	R. L. Polk Co. Publishers
1981	Silva David A	The Pacific Telephone and Telegraph Company
1976	Silva David	R. L. Polk Co. Publishers
1970	Silva David A	R. L. Polk Co. Publishers
1965	Silva David A	R. L. Polk Co. Publishers
1961	Silva David A	R. L. Polk Co., Publishers
1958	Silva David A	R. L. Polk Co., Publishers

FINDINGS

BRYDEN LN

814 BRYDEN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Henderson Cecil L	R. L. Polk Co., Publishers

816 BRYDEN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Turner Martin E	R. L. Polk Co., Publishers

817 BRYDEN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Burnett Geo L	R. L. Polk Co., Publishers

821 BRYDEN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Ariasi Jos B	R. L. Polk Co., Publishers

825 BRYDEN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Devenham Lucille Mrs	R. L. Polk Co., Publishers

830 BRYDEN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Roseland Fire Dept	R. L. Polk Co., Publishers

BUSS

2550 BUSS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MOJICA Carlos A	AT & T Yellow Pages

2626 BUSS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SMITH A	AT & T Yellow Pages

2631 BUSS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CUEVAS Alejandro	AT & T Yellow Pages

FINDINGS

2643 BUSS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Gustavo	AT & T Yellow Pages
	Gustavo	AT & T Yellow Pages

2665 BUSS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TODD Arestad	AT & T Yellow Pages
	TODD Arestad	AT & T Yellow Pages
	TODD Arestad	AT & T Yellow Pages

BUSS DR

2524 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Bravo Jose	Pacific Bell

2528 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Israel	AT & T Yellow Pages
	PULIDO Alma Rosa	AT & T Yellow Pages
1994	Priscilla	Pacific Bell
	Karoki Stephen	Pacific Bell

2531 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Guarniero Michael	Pacific Bell

Buss Dr

2535 Buss Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ADONAY VILLALOBOS A SOLE	EDR Digital Archive
	ADONAY VILLALOBOS A SOLE	EDR Digital Archive
2010	CHAR NOTZ & ANNE HOLDEN-HENRY	EDR Digital Archive
	ADONAY VILLALOBOS A SOLE	EDR Digital Archive
	ADONAY VILLALOBOS A SOLE	EDR Digital Archive
	CHAR NOTZ & ANNE HOLDEN-HENRY	EDR Digital Archive

FINDINGS

BUSS DR

2535 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GUEVARA Carlos M	AT & T Yellow Pages
	Janette X	AT & T Yellow Pages

2539 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Gustavo	AT & T Yellow Pages
	Hernandez Emiliano	AT & T Yellow Pages
	SANTIAGO Esther	AT & T Yellow Pages
	Irma R	AT & T Yellow Pages

2550 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MOJICA Carlos A	AT & T Yellow Pages
1990	Beams Marvin T	R. L. Polk Co. Publishers

2551 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers

Buss Dr

2555 Buss Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	GOLDEN BRUSH PAINTING	EDR Digital Archive
	MJ IMPORT/EXPORT TRADING CO	EDR Digital Archive
	MJ IMPORT/EXPORT TRADING CO	EDR Digital Archive
	GOLDEN BRUSH PAINTING	EDR Digital Archive
2010	GOLDEN BRUSH PAINTING	EDR Digital Archive
	MJ IMPORT/EXPORT TRADING CO	EDR Digital Archive
	MJ IMPORT/EXPORT TRADING CO	EDR Digital Archive
	GOLDEN BRUSH PAINTING	EDR Digital Archive

BUSS DR

2555 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Sa U	AT & T Yellow Pages

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	NGUYEN Quynh Ahn	AT & T Yellow Pages
1994	Nguyen Nu T	Pacific Bell

Buss Dr

2559 Buss Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	AIG RETIRGHENT	EDR Digital Archive
	AIG RETIRGHENT	EDR Digital Archive

BUSS DR

2559 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Szczekocki J	Pacific Bell
1990	Bradley Sara K	R. L. Polk Co. Publishers

2560 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Ogburn Lance & Judy	Pacific Bell

2561 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers

2565 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BEARD Andrew & Lissa	AT & T Yellow Pages
	Melvin	AT & T Yellow Pages

2566 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Emigh Howard I	R. L. Polk Co. Publishers

Buss Dr

2570 Buss Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ARAUNA MORGAN	EDR Digital Archive
	ARAUNA MORGAN	EDR Digital Archive
2010	ARAUNA MORGAN	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	ARAUNA MORGAN	EDR Digital Archive

BUSS DR

2570 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Simpson Gail	Pacific Bell
1990	Hernandez Robt L	R. L. Polk Co. Publishers

2571 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	La Pointe Mike E	R. L. Polk Co. Publishers

2574 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RODRIGUEZ Enrique	AT & T Yellow Pages
	Eudor O	AT & T Yellow Pages
1990	Evans Dale Y	R. L. Polk Co. Publishers

2575 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Jackson Shawn R	R. L. Polk Co. Publishers

2577 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers

2579 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Reese Jeffrey K	R. L. Polk Co. Publishers

2626 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Anthony	AT & T Yellow Pages
	SMITH A	AT & T Yellow Pages

2630 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CARRASCO	AT & T Yellow Pages

FINDINGS

2631 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Erendira	AT & T Yellow Pages
	CUEVAS Alejandro	AT & T Yellow Pages

2639 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Jeff	AT & T Yellow Pages
	REID Alec	AT & T Yellow Pages

2643 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LUisa	AT & T Yellow Pages
	Gustavo	AT & T Yellow Pages

2653 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RIEZENMAN Bruce 4 RIFF Angie & brian	AT & T Yellow Pages

2655 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers

2660 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Ogburn Lance R	R. L. Polk Co. Publishers

2665 BUSS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Stephen	AT & T Yellow Pages
	TODD Arestad	AT & T Yellow Pages

CAMPBELL DR

2200 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	Allen Gary K	R. L. Polk Co. Publishers

2204 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Caciappo Donald K	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Moskowite Thee W	R. L. Polk Co. Publishers
	Caciappo Donald K	R. L. Polk Co. Publishers
1981	Cook Pearl	The Pacific Telephone and Telegraph Company

2205 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Aguei Ann	R. L. Polk Co. Publishers
1987	Burton Kevin	R. L. Polk Co. Publishers
1981	Schropp Dennis	The Pacific Telephone and Telegraph Company

2208 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Charise	AT & T Yellow Pages
	C N	AT & T Yellow Pages
1990	Chatfield Brian	R. L. Polk Co. Publishers
1987	Chatfield Brian	R. L. Polk Co. Publishers
1981	Chatfield Geoffrey C	The Pacific Telephone and Telegraph Company

2209 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	I Rivera Ruth	AT & T Yellow Pages
	PORTILLO Argentina	AT & T Yellow Pages
1990	Bickel John R Jr	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers

2212 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Ebrahimi Alireza	Pacific Bell
1990	Donaldson Bob	R. L. Polk Co. Publishers
1987	Donaldson Bob	R. L. Polk Co. Publishers
1981	Berube H	The Pacific Telephone and Telegraph Company

2213 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Shiela	AT & T Yellow Pages
	Vern	AT & T Yellow Pages
1990	Delagnes	R. L. Polk Co. Publishers
1987	Delagnes A	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Brock Donald L	R. L. Polk Co. Publishers

2216 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Harris Michl	R. L. Polk Co. Publishers
1987	Harris Michl	R. L. Polk Co. Publishers
1976	Asper Ali A Mrs	R. L. Polk Co. Publishers

2217 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Comalli A	Pacific Bell
1990	Comalli Angie	R. L. Polk Co. Publishers
1987	Comalli Angle	R. L. Polk Co. Publishers
1981	Comalli A	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

2220 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Zanatta Rob P	R. L. Polk Co. Publishers
1987	Zanatta Rob P	R. L. Polk Co. Publishers
1981	Evans P	The Pacific Telephone and Telegraph Company
1976	Landree Donald R	R. L. Polk Co. Publishers

2224 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	Gasperoni Anthony	R. L. Polk Co. Publishers
1981	Gasperoni Anthony	The Pacific Telephone and Telegraph Company

2228 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Wade Velm	R. L. Polk Co. Publishers
1987	Wade Velma	R. L. Polk Co. Publishers
1981	Harmon Darrell L	The Pacific Telephone and Telegraph Company

2232 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Rosa	AT & T Yellow Pages

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Gustavo	AT & T Yellow Pages
1994	Johnson Barry & Jan	Pacific Bell
1990	Johnson Barry P	R. L. Polk Co. Publishers
1987	Johnson Barry P	R. L. Polk Co. Publishers
1981	Thornton Jeanne L	The Pacific Telephone and Telegraph Company

2233 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Fridley Derek T	Pacific Bell
1990	Moran John	R. L. Polk Co. Publishers
1987	Fridley Derek T	R. L. Polk Co. Publishers
1981	Burton R T	The Pacific Telephone and Telegraph Company
	Burton N	The Pacific Telephone and Telegraph Company

2235 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Fires Gerlinde	Pacific Bell
1990	Fires Gerlinda Mrs	R. L. Polk Co. Publishers
1987	Fires Gerlinda Mrs	R. L. Polk Co. Publishers

2236 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Le Vasseur Camille	R. L. Polk Co. Publishers
1987	Le Vasseur Camille A	R. L. Polk Co. Publishers
1981	Johnson Barry & Jan	The Pacific Telephone and Telegraph Company

2237 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Racicot Rudolph	Pacific Bell
1990	Raeicot Rudolph	R. L. Polk Co. Publishers
1987	Raciott Rudolph	R. L. Polk Co. Publishers

2239 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Javier S	AT & T Yellow Pages
	MEDINA Elvia	AT & T Yellow Pages
1994	Chann Roeun	Pacific Bell
1990	Chann Roeum	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	No Return	R. L. Polk Co. Publishers

2240 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

2241 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Gutierrez Ignacio	Pacific Bell
1990	Smith Roger W	R. L. Polk Co. Publishers
1987	Smith Roger W	R. L. Polk Co. Publishers

2401 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Imm Michl	R. L. Polk Co. Publishers
1987	Imm Michl	R. L. Polk Co. Publishers

2405 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	JOHNSON Barry	AT & T Yellow Pages
	David	AT & T Yellow Pages
1994	Johnson David	Pacific Bell
1990	Johnson David L	R. L. Polk Co. Publishers
1987	Johnson David L	R. L. Polk Co. Publishers
1981	Johnson David	The Pacific Telephone and Telegraph Company
1976	Johnson David L	R. L. Polk Co. Publishers

2409 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Robleto Octavio	R. L. Polk Co. Publishers
1987	Robleto Octavio	R. L. Polk Co. Publishers
1976	Roberto Octovio	R. L. Polk Co. Publishers

2415 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Sheppard Steve J O	R. L. Polk Co. Publishers
1987	Sheppard Steve	R. L. Polk Co. Publishers
1981	Sheppard Tommie.....	The Pacific Telephone and Telegraph Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Sheppard Stephen	The Pacific Telephone and Telegraph Company

2436 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Korn Charles H	R. L. Polk Co. Publishers
1987	Korn Charles H	R. L. Polk Co. Publishers
1981	Korn Chas H	The Pacific Telephone and Telegraph Company

2442 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ORTEGA A	AT & T Yellow Pages
	Carlos	AT & T Yellow Pages
1994	OShaughnessy Patrick	Pacific Bell
1990	Pigg Gordon	R. L. Polk Co. Publishers
1987	Pigg Gordon	R. L. Polk Co. Publishers
1981	Pigg Gordon	The Pacific Telephone and Telegraph Company
1976	Hagedorn Larry	R. L. Polk Co. Publishers

2448 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Crady David L	R. L. Polk Co. Publishers
1987	Crady David L	R. L. Polk Co. Publishers
1981	Crady David L	The Pacific Telephone and Telegraph Company
1976	Crady David L	R. L. Polk Co. Publishers

2454 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1981	Downs Russell E Front M Rio	The Pacific Telephone and Telegraph Company
	Downs Pete	The Pacific Telephone and Telegraph Company
1976	Downs Edw B	R. L. Polk Co. Publishers

2464 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Chamberlain Albert P	R. L. Polk Co. Publishers

FINDINGS

2500 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Mayhew Les	R. L. Polk Co. Publishers
1976	Mayhew Lester	R. L. Polk Co. Publishers

2501 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Me Coloum John E	R. L. Polk Co. Publishers
1981	Mac Callum John E	The Pacific Telephone and Telegraph Company
1976	Scheuer Mark A	R. L. Polk Co. Publishers

2505 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CASANAVE Sylvana	AT & T Yellow Pages
1994	Chhum Savith	Pacific Bell
1987	Smith Gerald	R. L. Polk Co. Publishers
1976	Bowman Robt J	R. L. Polk Co. Publishers

2510 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MCallister Bob	AT & T Yellow Pages
	Cormick Colin	AT & T Yellow Pages
1990	Cook Ray A	R. L. Polk Co. Publishers
1987	Cook Ray A	R. L. Polk Co. Publishers
1976	Cook Ray A	R. L. Polk Co. Publishers

2520 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	No Return	R. L. Polk Co. Publishers
1976	Moss Vaughn	R. L. Polk Co. Publishers

2530 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Tenret Edward & Betty	Pacific Bell
1990	Swelia Craig	R. L. Polk Co. Publishers
1987	Swelia Craig R	R. L. Polk Co. Publishers
1981	Houston Lee & Diana	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

FINDINGS

2535 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Delebak James	R. L. Polk Co. Publishers
	Mercer David	R. L. Polk Co. Publishers
1987	Delebak James	R. L. Polk Co. Publishers
1981	Delebak Jas	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

2540 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PROTHERO Fran	AT & T Yellow Pages
1994	Prothero Evan L R	Pacific Bell
1990	Prothero Evan L R	R. L. Polk Co. Publishers
1987	Prothero Evan L R	R. L. Polk Co. Publishers
1976	Thielmann John H	R. L. Polk Co. Publishers

2541 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Danley John R	R. L. Polk Co. Publishers
1987	Danley John R	R. L. Polk Co. Publishers

2550 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Anker Autumn J	R. L. Polk Co. Publishers
1987	Perry Ken J	R. L. Polk Co. Publishers

2551 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	REVES Leona	AT & T Yellow Pages
	Marcos	AT & T Yellow Pages
	Luisa	AT & T Yellow Pages
	ALBOR Alicia	AT & T Yellow Pages
1994	Bell M & V	Pacific Bell
1990	Spiers	R. L. Polk Co. Publishers
1987	RHitchcock Rolland B	R. L. Polk Co. Publishers
1981	Hitchcock Rolland & Vemrnie	The Pacific Telephone and Telegraph Company
1976	Hitchcock Rolland B	R. L. Polk Co. Publishers

FINDINGS

Campbell Dr

2560 Campbell Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MOORE STEVE CONSTRUCTION	EDR Digital Archive
	ALPHA OMEGA CONSTRUCTION	EDR Digital Archive
	MOORE STEVE CONSTRUCTION	EDR Digital Archive
	ALPHA OMEGA CONSTRUCTION	EDR Digital Archive
2010	ALPHA OMEGA CONSTRUCTION	EDR Digital Archive
	MOORE STEVE CONSTRUCTION	EDR Digital Archive
	ALPHA OMEGA CONSTRUCTION	EDR Digital Archive
	MOORE STEVE CONSTRUCTION	EDR Digital Archive

CAMPBELL DR

2560 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Moore Steve K	R. L. Polk Co. Publishers
1987	Moore Steve K	R. L. Polk Co. Publishers
1976	Moore Steven R	R. L. Polk Co. Publishers

2561 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Urton Ernie	Pacific Bell
1990	Urton Ernest	R. L. Polk Co. Publishers
1987	Urton Ernest	R. L. Polk Co. Publishers
1976	Vetui Ernest	R. L. Polk Co. Publishers

2601 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Mac Coloum John E	R. L. Polk Co. Publishers

2605 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers

2620 CAMPBELL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers

FINDINGS

CANPBETL DR

2541 CANPBETL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Shoop Gerald C	The Pacific Telephone and Telegraph Company

CAPRICORN WAY

2225 CAPRICORN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Mirfak Associate Inc ins	R. L. Polk Co. Publishers

Capricorn Way

2227 Capricorn Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MODESTO RENEWABLE ENERGY LLC	EDR Digital Archive
	INTERNATIONAL BUS MCHS CORP	EDR Digital Archive
	PROVINO INC	EDR Digital Archive
	AT HOME NURSING	EDR Digital Archive
	SONOMA COUNTY OF	EDR Digital Archive
	VINOPRO INC	EDR Digital Archive
	PORTSIDE BIO-ENERGY LLC	EDR Digital Archive
	INDUSTRIAL POWER TECHNOLOGY	EDR Digital Archive
	SONOMA COUNTY HUMAN SVC COMMN	EDR Digital Archive
	MODESTO RENEWABLE ENERGY LLC	EDR Digital Archive
	INTERNATIONAL BUS MCHS CORP	EDR Digital Archive
	PROVINO INC	EDR Digital Archive
	AT HOME NURSING	EDR Digital Archive
	SONOMA COUNTY OF	EDR Digital Archive
	VINOPRO INC	EDR Digital Archive
	PORTSIDE BIO-ENERGY LLC	EDR Digital Archive
2010	INDUSTRIAL POWER TECHNOLOGY	EDR Digital Archive
	MENTAL HLTH COALITION OF SONOM	EDR Digital Archive
	COMMUNITY BENEFITS	EDR Digital Archive
	PORTSIDE BIO-ENERGY LLC	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	MODESTO RENEWABLE ENERGY LLC	EDR Digital Archive
	AMYS KITCHEN INC	EDR Digital Archive
	SONOMA COUNTY PRIMARY CARE	EDR Digital Archive
	AT HOME NURSING	EDR Digital Archive
	SONOMA GRAPHIC PRODUCTS CORP	EDR Digital Archive
	INTEGRA TELECOM INC	EDR Digital Archive
	INTERNATIONAL BUS MCHS CORP	EDR Digital Archive
	INDUSTRIAL POWER TECHNOLOGY	EDR Digital Archive
	MENTAL HLTH COALITION OF SONOM	EDR Digital Archive
	COMMUNITY BENEFITS	EDR Digital Archive
	PORTSIDE BIO-ENERGY LLC	EDR Digital Archive
	MODESTO RENEWABLE ENERGY LLC	EDR Digital Archive
	AMYS KITCHEN INC	EDR Digital Archive
	SONOMA COUNTY PRIMARY CARE	EDR Digital Archive
	AT HOME NURSING	EDR Digital Archive
	SONOMA GRAPHIC PRODUCTS CORP	EDR Digital Archive
	INTERNATIONAL BUS MCHS CORP	EDR Digital Archive
	INTEGRA TELECOM INC	EDR Digital Archive

CAPRICORN WAY

2227 CAPRICORN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Amys Kitchen Inc	AT & T Yellow Pages
	At Home Nursing	AT & T Yellow Pages
	Bankers Life And Casualty Co	AT & T Yellow Pages
	Harvest I n f	AT & T Yellow Pages
	Industrial Power Technology	AT & T Yellow Pages
	Paul Financial LLC	AT & T Yellow Pages
	Paul Financial LLC	AT & T Yellow Pages
	Sonoma Graphic Products	AT & T Yellow Pages
	Tekiogix Cor P	AT & T Yellow Pages
1994	COMMUNITY CHILD CARE	Pacific Bell
	COUNCIL OF SONOMA	Pacific Bell
	LIFE SOURCE INC	Pacific Bell
	Building	Pacific Bell
	101 INDUSTRIAL POWER	Pacific Bell
	TECHNOLOGY	Pacific Bell
	105 CHILD ABUSE COUNCIL	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	OF SONOMA COUNTY	Pacific Bell
	106 BROWN & FARLEY	Pacific Bell
	VOCATIONAL	Pacific Bell
	REHABILITATION	Pacific Bell
	202 NATIONWIDE REAL	Pacific Bell
	ESTATE TAX SERVICE	Pacific Bell
	203 BANKERS LIFE	Pacific Bell
	CASUALTY CO	Pacific Bell
	205 WRIGHT JACK	Pacific Bell
1990	ADVERTISING	Pacific Bell
	Industrial Power Technology	R. L. Polk Co. Publishers
	Sonoma County Child Abuse	R. L. Polk Co. Publishers
	Council social servs agencies	R. L. Polk Co. Publishers
	Community Child Care Council Of	R. L. Polk Co. Publishers
	Sonoma Cnty Inc social serv agencies	R. L. Polk Co. Publishers
	Brown & Farley vocation counselors	R. L. Polk Co. Publishers
	Certified Life Insurance Co major med life ins	R. L. Polk Co. Publishers
	Financial Pathways	R. L. Polk Co. Publishers
	I B M data processing sls	R. L. Polk Co. Publishers
	Building	R. L. Polk Co. Publishers

CHALLENGER

2255 CHALLENGER

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Armor Locksmiths	AT & T Yellow Pages
	FREEMAN LEXUS	AT & T Yellow Pages
	FREEMAN LEXUS	AT & T Yellow Pages
	FREEMAN LEXUS	AT & T Yellow Pages
	FREEMAN LEXUS	AT & T Yellow Pages
	FREEMAN LEXUS	AT & T Yellow Pages
	Armor Locksmiths	AT & T Yellow Pages
	FREEMAN LEXUS	AT & T Yellow Pages

Challenger Way

2225 Challenger Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	BASIN STREET PROPERTIES	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	SONOMA	EDR Digital Archive
	PARENTS PLACE FAMILY RESOURCE	EDR Digital Archive
	BASIN STREET PROPERTIES	EDR Digital Archive
	PARENTS PLACE FAMILY RESOURCE	EDR Digital Archive
	SONOMA	EDR Digital Archive

CHALLENGER WAY

2225 CHALLENGER WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Basin Street Properties	AT & T Yellow Pages
	Grandparents Parenting Again	AT & T Yellow Pages
	Intrinsic Transportation Inc	AT & T Yellow Pages
1994	Building	Pacific Bell
	100 THOMAS PORCH	Pacific Bell
	GULLICKSON	Pacific Bell
	101 PATELCO CREDIT UNION	Pacific Bell
	101 SONOMA MARIN CREDIT UNION	Pacific Bell
	102 DESMOND GERALD LAW OFFICES OF	Pacific Bell
1990	Building	R. L. Polk Co. Publishers
	Bond Z Bruce c p	R. L. Polk Co. Publishers
	Foot Sherri acct	R. L. Polk Co. Publishers
	Thompson Warren R acct	R. L. Polk Co. Publishers
	Sonoma Marin Credit Union	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers

Challenger Way

2235 Challenger Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	BANKERS LIFE & CASUALTY CO	EDR Digital Archive
	HOVER INSURANCE SERVICES INC	EDR Digital Archive
	WATER SQUARED	EDR Digital Archive
	AIKEN GEORGE A MA	EDR Digital Archive
	HAWK JOANN PHD	EDR Digital Archive
	SHILOH ASSOCIATES	EDR Digital Archive
	ASSOCIATED AIRTANKER PILOTS ME	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SHELTER HILLS TOWNHOUSES ASSN	EDR Digital Archive
	HANNAN J E PATRICK MD	EDR Digital Archive
	NOR CAL COMPUTER SERVICES	EDR Digital Archive
	ACCOUNTABLE SOLUTIONS	EDR Digital Archive
	SOL DATA ENERGY CONSULTING	EDR Digital Archive
	WATER SQUARED	EDR Digital Archive
	BANKERS LIFE & CASUALTY CO	EDR Digital Archive
	HOVER INSURANCE SERVICES INC	EDR Digital Archive
	SHILOH ASSOCIATES	EDR Digital Archive
	ASSOCIATED AIRTANKER PILOTS ME	EDR Digital Archive
	AIKEN GEORGE A MA	EDR Digital Archive
	HAWK JOANN PHD	EDR Digital Archive
	HANNAN J E PATRICK MD	EDR Digital Archive
	NOR CAL COMPUTER SERVICES	EDR Digital Archive
	ACCOUNTABLE SOLUTIONS	EDR Digital Archive
	SOL DATA ENERGY CONSULTING	EDR Digital Archive
	SHELTER HILLS TOWNHOUSES ASSN	EDR Digital Archive
2010	SHELTER HILLS TOWNHOUSES ASSN	EDR Digital Archive
	HANNAN J E PATRICK MD	EDR Digital Archive
	SHILOH ASSOCIATES	EDR Digital Archive
	AIKEN GEORGE A MA	EDR Digital Archive
	HAWK JOANN PHD	EDR Digital Archive
	BANKERS LIFE & CASUALTY CO	EDR Digital Archive
	SHELTER HILLS TOWNHOUSES ASSN	EDR Digital Archive
	SHILOH ASSOCIATES	EDR Digital Archive
	AIKEN GEORGE A MA	EDR Digital Archive
	HAWK JOANN PHD	EDR Digital Archive
	HANNAN J E PATRICK MD	EDR Digital Archive
	BANKERS LIFE & CASUALTY CO	EDR Digital Archive

CHALLENGER WAY

2235 CHALLENGER WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	North coast Evaluation Services	AT & T Yellow Pages
	Hawk Joann Ph D	AT & T Yellow Pages
	Hannan J E Patrick MD	AT & T Yellow Pages
	Career Transitions	AT & T Yellow Pages
	Aiken George A MA	AT & T Yellow Pages

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Bankers Life And Casualty	AT & T Yellow Pages
1994	MANAGEMENT	Pacific Bell
	PROPERTY	Pacific Bell
	109 COMMONWEALTH	Pacific Bell
	EVALUATION SERVICES	Pacific Bell
	108 NORTH COAST	Pacific Bell
	102 NEILSON & ASSOCIATES	Pacific Bell
	Building	Pacific Bell

Challenger Way

2245 Challenger Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	SONOMA COUNTY OF	EDR Digital Archive
	SONOMA COUNTY OF	EDR Digital Archive

CHALLENGER WAY

2245 CHALLENGER WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PrivateIndustry Council PIC	AT & T Yellow Pages
1994	Building	Pacific Bell
	104 TIMES GROUP	Pacific Bell
	102 TRIPLE CROWN	Pacific Bell
	MORTGAGE	Pacific Bell
	100 ARCS MORTGAGE INC	Pacific Bell
1990	Mickens Hal Ins Servs Inc	R. L. Polk Co. Publishers

Challenger Way

2255 Challenger Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	FAMILY SVC AGCY SNOMA CNTY INC	EDR Digital Archive
	FREEMAN & FREEMAN LAW OFFICES	EDR Digital Archive
	FAMILY SERVICE AGENCY	EDR Digital Archive
	ARMITAGE GUIDI & ASSOC LLC	EDR Digital Archive
	SANTA ROSA PHYSICAL THERAPY	EDR Digital Archive
	COMMONWEALTH PROPERTY MGT	EDR Digital Archive
	COMMONWEALTH PROPERTY MGT	EDR Digital Archive
	SANTA ROSA PHYSICAL THERAPY	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	FREEMAN & FREEMAN LAW OFFICES	EDR Digital Archive
	FAMILY SERVICE AGENCY	EDR Digital Archive
	FAMILY SVC AGCY SNOMA CNTY INC	EDR Digital Archive
	ARMITAGE GUIDI & ASSOC LLC	EDR Digital Archive
2010	ARMITAGE GUIDI & ASSOC LLC	EDR Digital Archive
	BOYS & GIRLS CLUBS CNTRL SONOM	EDR Digital Archive
	FREEMAN & FREEMAN LAW OFFICES	EDR Digital Archive
	MESCHES LEANORE M FT	EDR Digital Archive
	IWMS-GA LLC	EDR Digital Archive
	COMMONWEALTH PROPERTY MGT	EDR Digital Archive
	PACIFIC PHYSICAL THERAPY	EDR Digital Archive
	SANTA ROSA PHYSICAL THERAPY	EDR Digital Archive
	COMMONWEALTH PROPERTY MGT	EDR Digital Archive
	PACIFIC PHYSICAL THERAPY	EDR Digital Archive
	SANTA ROSA PHYSICAL THERAPY	EDR Digital Archive
	FREEMAN & FREEMAN LAW OFFICES	EDR Digital Archive
	MESCHES LEANORE M FT	EDR Digital Archive
	IWMS-GA LLC	EDR Digital Archive
	ARMITAGE GUIDI & ASSOC LLC	EDR Digital Archive
	BOYS & GIRLS CLUBS CNTRL SONOM	EDR Digital Archive

CHALLENGER WAY

2255 CHALLENGER WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	AGA FINANCIAL	AT & T Yellow Pages
	Armitage Guidi Associates	AT & T Yellow Pages
	Building Industry Association	AT & T Yellow Pages
	Epitque Laser Center	AT & T Yellow Pages
	e Planning Securities Inc	AT & T Yellow Pages
	Freeman & Freeman Attorneys At Law	AT & T Yellow Pages
	Freeman Matthew C	AT & T Yellow Pages
	Freeman Matthew C	AT & T Yellow Pages
	Home Builders Association Of Northern California	AT & T Yellow Pages
	King William Attorney	AT & T Yellow Pages
	Pacific Open Space Inc	AT & T Yellow Pages
	i Pacific Physical Therapy	AT & T Yellow Pages
	Santa Rosa Physical Therapy	AT & T Yellow Pages

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Seger Mike RPT	AT & T Yellow Pages
	Sutter West Mortgage	AT & T Yellow Pages
	Townsend David MPT Santa Rosa Physical Therapy	AT & T Yellow Pages
	Tri Access Technologies	AT & T Yellow Pages
1994	101 SANTA ROSA	Pacific Bell
	CORPORATE CENTER	Pacific Bell
	104 SANTA ROSA PHYSICAL THERAPY	Pacific Bell
	107 CAREER TRANSITIONS	Pacific Bell
	108 G 1 NN BILL	Pacific Bell
	109 JESTROW ROBERT MD	Pacific Bell
	113 MCCANN JUDY	Pacific Bell
	113 PUTNAM JAY G	Pacific Bell
	Building	Pacific Bell
	119 MAJORS ENGINEERING ASSOCIATES	Pacific Bell
	100 TEKLOGIX CORP	Pacific Bell
1990	Jestrow Robert phys	R. L. Polk Co. Publishers
	Ginn Bill acct	R. L. Polk Co. Publishers
	California Security Management securities services	R. L. Polk Co. Publishers
	Career Transitions	R. L. Polk Co. Publishers
	Santa Rosa Physical Therapy	R. L. Polk Co. Publishers
	Lyon William Co The dev real est	R. L. Polk Co. Publishers
	Employer Administration Services Co health plan admn	R. L. Polk Co. Publishers
	Peters & Putnam Lwys	R. L. Polk Co. Publishers
	Employer Services Inc health plans marketing	R. L. Polk Co. Publishers
	ODonnel Hopkins & Partners	R. L. Polk Co. Publishers
	Arcs Mortgage Inc	R. L. Polk Co. Publishers
	Santa Rosa Corporate Center real est mgmt	R. L. Polk Co. Publishers
1987	Santa Rosa Corporate Center real est	R. L. Polk Co. Publishers

Circadian Way

2301 Circadian Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	JAMES S ROBERTSON MD	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	FREED-HENSON INC	EDR Digital Archive
	DESTINY GREAT DANES	EDR Digital Archive
	WELLBOUND OF SANTA ROSA L	EDR Digital Archive
	JAMES S ROBERTSON MD	EDR Digital Archive
	WELLBOUND OF SANTA ROSA L	EDR Digital Archive
	FREED-HENSON INC	EDR Digital Archive
2010	DESTINY GREAT DANES	EDR Digital Archive
	ALLIED GROUP INSURANCE CO	EDR Digital Archive
	NEPHROLOGY ASSOCIATES	EDR Digital Archive
	WELLBOUND OF SANTA ROSA L	EDR Digital Archive
	DESTINY GREAT DANES	EDR Digital Archive
	FREED-HENSON INC	EDR Digital Archive
	JAMES S ROBERTSON MD	EDR Digital Archive
	NEPHROLOGY ASSOCIATES	EDR Digital Archive
	ALLIED GROUP INSURANCE CO	EDR Digital Archive
	FREED-HENSON INC	EDR Digital Archive
	WELLBOUND OF SANTA ROSA L	EDR Digital Archive
	DESTINY GREAT DANES	EDR Digital Archive
	JAMES S ROBERTSON MD	EDR Digital Archive

CIRCADIAN WAY

2301 CIRCADIAN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Welbound Of Santa Rosa	AT & T Yellow Pages
	Northern Exposure Greeting Cards	AT & T Yellow Pages
1994	INSURANCE	Pacific Bell
	ALLIED GROUP	Pacific Bell
1990	Allied Group Insurance	R. L. Polk Co. Publishers
1987	Allied Group Insurance	R. L. Polk Co. Publishers

Circadian Way

2305 Circadian Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	OSSEON LLC	EDR Digital Archive
	OSSEON THERAPEUTICS INC	EDR Digital Archive
	AMERICAN BUSINESS FORM	EDR Digital Archive
	AMERICAN BUSINESS FORM	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	OSSEON LLC	EDR Digital Archive
	OSSEON THERAPEUTICS INC	EDR Digital Archive
2010	AMERICAN BUSINESS FORM	EDR Digital Archive
	NATIONAL DCMENTS SOLUTIONS LLC	EDR Digital Archive
	WERLE LYNN M	EDR Digital Archive
	WERLE LYNN M	EDR Digital Archive
	AMERICAN BUSINESS FORM	EDR Digital Archive
	NATIONAL DCMENTS SOLUTIONS LLC	EDR Digital Archive

2307 Circadian Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	TRADITIONAL MEDICINALS IN	EDR Digital Archive
	TRADITIONAL MEDICINALS IN	EDR Digital Archive

2321 Circadian Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	NATIONAL DCMENTS SOLUTIONS LLC	EDR Digital Archive
	PTM DOCUMENT SYSTEMS	EDR Digital Archive
	MARMOT MOUNTAIN LLC	EDR Digital Archive
	NATIONAL DCMENTS SOLUTIONS LLC	EDR Digital Archive
	PTM DOCUMENT SYSTEMS	EDR Digital Archive
	MARMOT MOUNTAIN LLC	EDR Digital Archive

CIRCADIAN WAY

2321 CIRCADIAN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Marmot Mountain LTD	AT & T Yellow Pages
1994	MARMOT MOUNTAIN LTD	Pacific Bell
	PEXCO HOLDING CO	Pacific Bell
1990	Vacant	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers

Circadian Way

2329 Circadian Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ARMSTRONG PAPER GROUP	EDR Digital Archive
	ARMSTRONG PAPER GROUP	EDR Digital Archive

FINDINGS

CIRCADIAN WAY

2329 CIRCADIAN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Associated Business Products Inc	AT & T Yellow Pages
1994	PRODUCTS INC	Pacific Bell
	ASSOCIATED BUSINESS	Pacific Bell

Circadian Way

2330 Circadian Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	UNIVERSITY NORTHERN CALIFOR	EDR Digital Archive
	UNIVERSITY NORTHERN CALIFORNIA	EDR Digital Archive
	MACHINE DESIGN SOLUTIONS	EDR Digital Archive
	OSSEON THERAPEUTICS INC	EDR Digital Archive
	UNIVERSITY NORTHERN CALIFOR	EDR Digital Archive
	UNIVERSITY NORTHERN CALIFORNIA	EDR Digital Archive
	OSSEON THERAPEUTICS INC	EDR Digital Archive
	MACHINE DESIGN SOLUTIONS	EDR Digital Archive

CIRCADIAN WAY

2330 CIRCADIAN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	COGNIS INC	Pacific Bell
1990	Henkel Research Corp	R. L. Polk Co. Publishers
1987	Henkel Research Corp	R. L. Polk Co. Publishers

Circadian Way

2331 Circadian Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	PNI CORP	EDR Digital Archive
	PNI CORP	EDR Digital Archive

CIRCADIAN WAY

2331 CIRCADIAN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	B B & T Inc Addl Sp	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	ODonnel Hopkins & Partners real est	R. L. Polk Co. Publishers

2335 CIRCADIAN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Vacant	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers

Circadian Way

2345 Circadian Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	RELTEK LLC	EDR Digital Archive
	RELTEK LLC	EDR Digital Archive
2010	RELTEK LLC	EDR Digital Archive
	RELTEK LLC	EDR Digital Archive

CIRCADIAN WAY

2345 CIRCADIAN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Reltek LLC	AT & T Yellow Pages
1994	SYSTEMS	Pacific Bell
	DIGITAL SCANNING	Pacific Bell
	PRODUCTS INC	Pacific Bell
	LASER SCANNING	Pacific Bell
1990	Laser Scanning Products Inc	R. L. Polk Co. Publishers
1987	Laser Scanning Products Inc	R. L. Polk Co. Publishers

2347 CIRCADIAN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	B B & T Inc Whse	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers

Circadian Way

2349 Circadian Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	TROPE GROUP INC	EDR Digital Archive
	TROPE GROUP INC	EDR Digital Archive
2010	TROPE GROUP INC	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	TROPE GROUP INC	EDR Digital Archive

CIRCADIAN WAY

2349 CIRCADIAN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TROPE GROUP INC	AT & T Yellow Pages
	Formally BB&T Office Solutions	AT & T Yellow Pages
1994	BB&T 1 NC	Pacific Bell
1990	B B & T Incorporated	R. L. Polk Co. Publishers
1987	B B & T Incorporated	R. L. Polk Co. Publishers

Circadian Way

2351 Circadian Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	IMMECOR CORPORATION	EDR Digital Archive
	IMMECOR CORPORATION	EDR Digital Archive
2010	IMMECOR CORPORATION	EDR Digital Archive
	IMMECOR CORPORATION	EDR Digital Archive

CIRCADIAN WAY

2351 CIRCADIAN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	Care Servs	R. L. Polk Co. Publishers
	Santa Rose Memorial Hosp Home	R. L. Polk Co. Publishers

2363 CIRCADIAN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers

Circadian Way

2371 Circadian Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	PARAGON CONTROLS INCORPORATED	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	PARAGON CONTROLS INCORPORATED	EDR Digital Archive
2010	PARAGON CONTROLS INC	EDR Digital Archive
	PARAGON CONTROLS INC	EDR Digital Archive

CIRCADIAN WAY

2371 CIRCADIAN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Paragon Controls Inc	AT & T Yellow Pages

Circadian Way

2373 Circadian Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SANTA ROSA CITY OF	EDR Digital Archive
	SANTA ROSA CITY OF	EDR Digital Archive
2010	SONOMA COUNTY FIRE CHIEFS INC	EDR Digital Archive
	SANTA ROSA CITY OF	EDR Digital Archive
	SONOMA COUNTY FIRE CHIEFS INC	EDR Digital Archive
	SANTA ROSA CITY OF	EDR Digital Archive

2391 Circadian Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	KW-CZ CLOSURE INC	EDR Digital Archive
	ALPHA FIRE SUPPRESSION SYSTEMS	EDR Digital Archive
	KW-CZ CLOSURE INC	EDR Digital Archive
	ALPHA FIRE SUPPRESSION SYSTEMS	EDR Digital Archive
2010	ALPHA FIRE SUPPRESSION SYSTEMS	EDR Digital Archive
	KW-CZ CLOSURE INC	EDR Digital Archive
	LEARNING TOOLS INTL INC	EDR Digital Archive
	ALPHA FIRE SUPPRESSION SYSTEMS	EDR Digital Archive
	KW-CZ CLOSURE INC	EDR Digital Archive
	LEARNING TOOLS INTL INC	EDR Digital Archive

CIRCADIAN WAY

2391 CIRCADIAN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	i Alpthia Fire Suppression Systems	AT & T Yellow Pages

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Concept Developpment Associates Inc	AT & T Yellow Pages
	ALPHA ELECTRONICS	AT & T Yellow Pages

Corporate Center Pkwy

925 Corporate Center Pkwy

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CAFE BAGEL CROISSANTS	EDR Digital Archive
	ESTATICA YOLIS	EDR Digital Archive
	GALLARDO YOLANDA	EDR Digital Archive
	GALLARDO YOLANDA	EDR Digital Archive
	CAFE BAGEL CROISSANTS	EDR Digital Archive
	ESTATICA YOLIS	EDR Digital Archive
2010	TAQUERIA LA CABANA	EDR Digital Archive
	BROOKS & BROOKS LLC	EDR Digital Archive
	QUICK PICK MARKET	EDR Digital Archive
	BROOKS & BROOKS LLC	EDR Digital Archive
	QUICK PICK MARKET	EDR Digital Archive
	TAQUERIA LA CABANA	EDR Digital Archive

975 Corporate Center Pkwy

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CINTAS UNIFRMS UNIFORM SVCS AN	EDR Digital Archive
	TRILOGY GLASS AND PACKG INC	EDR Digital Archive
	UNITED WAY OF WINE COUNTRY	EDR Digital Archive
	MARMOT MOUNTAIN LLC	EDR Digital Archive
	CINTAS UNIFRMS UNIFORM SVCS AN	EDR Digital Archive
	TRILOGY GLASS AND PACKG INC	EDR Digital Archive
	UNITED WAY OF WINE COUNTRY	EDR Digital Archive
	MARMOT MOUNTAIN LLC	EDR Digital Archive
2010	MARMOT MOUNTAIN LLC	EDR Digital Archive
	FORT DOCS	EDR Digital Archive
	BECKER HOLDINGS	EDR Digital Archive
	TRILOGY GLASS AND PACKG INC	EDR Digital Archive
	CALIFORNIA HUMAN DEVELOPMENT	EDR Digital Archive
	MARMOT MOUNTAIN LLC	EDR Digital Archive
	TRILOGY GLASS AND PACKG INC	EDR Digital Archive
	FORT DOCS	EDR Digital Archive
	CALIFORNIA HUMAN DEVELOPMENT	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	BECKER HOLDINGS	EDR Digital Archive

1201 Corporate Center Pkwy

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SENARIOTEK LLC	EDR Digital Archive
	SENARIOTEK LLC	EDR Digital Archive

1269 Corporate Center Pkwy

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	MICROSOURCE INC	EDR Digital Archive
	MICROSOURCE INC	EDR Digital Archive

1375 Corporate Center Pkwy

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	A 1 NETWORKS LLC	EDR Digital Archive
	GREEN RAY CORP	EDR Digital Archive
	A 1 NETWORKS LLC	EDR Digital Archive
	GREEN RAY CORP	EDR Digital Archive
2010	GREEN RAY LED LLC	EDR Digital Archive
	A 1 NETWORKS CC	EDR Digital Archive
	NETCRUCIAL LLC	EDR Digital Archive
	GREEN RAY LED LLC	EDR Digital Archive
	A 1 NETWORKS CC	EDR Digital Archive
	NETCRUCIAL LLC	EDR Digital Archive

1377 Corporate Center Pkwy

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	WINE SPIES LLC	EDR Digital Archive
	STATE ASSIST FUND ENTERPRISE	EDR Digital Archive
	WINE SPIES LLC	EDR Digital Archive
	STATE ASSIST FUND ENTERPRISE	EDR Digital Archive
2010	STATE ASSIST FUND ENTERPRISE	EDR Digital Archive
	WINE SPIES LLC	EDR Digital Archive
	STATE ASSIST FUND ENTERPRISE	EDR Digital Archive
	WINE SPIES LLC	EDR Digital Archive

1378 Corporate Center Pkwy

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	GREEN RAY VEHICLES INC	EDR Digital Archive
	GREEN RAY VEHICLES INC	EDR Digital Archive

FINDINGS

1403 Corporate Center Pkwy

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	NATIONAL CITY MORTGAGE INC	EDR Digital Archive
	NATIONAL CITY MORTGAGE INC	EDR Digital Archive
2010	NATIONAL CITY MORTGAGE CO	EDR Digital Archive
	NATIONAL CITY MORTGAGE CO	EDR Digital Archive

1408 Corporate Center Pkwy

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	MEEKER VINEYARD	EDR Digital Archive
	MEEKER VINEYARD	EDR Digital Archive

1425 Corporate Center Pkwy

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MIDDLE WAY	EDR Digital Archive
	BECOMING INDEPENDENT	EDR Digital Archive
	MIDDLE WAY	EDR Digital Archive
	BECOMING INDEPENDENT	EDR Digital Archive
2010	BECOMING INDEPENDENT	EDR Digital Archive
	MIDDLE WAY	EDR Digital Archive
	BECOMING INDEPENDENT	EDR Digital Archive
	MIDDLE WAY	EDR Digital Archive

CORPORATE CENTER PKY

925 CORPORATE CENTER PKY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	JJ Express	AT & T Yellow Pages
	L & M Beauty Salon	AT & T Yellow Pages
	Big Town Hero	AT & T Yellow Pages

975 CORPORATE CENTER PKY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	FORT DOCS	AT & T Yellow Pages
	M A Silva Corks USA	AT & T Yellow Pages
	American Mortgage Express Corp	AT & T Yellow Pages
	Cintas The Uniform People	AT & T Yellow Pages
	Indigenous Designs	AT & T Yellow Pages

FINDINGS

1269 CORPORATE CENTER PKY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Microsource Inc	AT & T Yellow Pages
1994	MICROSOURCE INC	Pacific Bell
1990	Micro Source Inc whse	R. L. Polk Co. Publishers
1987	Micro Source Inc whse	R. L. Polk Co. Publishers

1375 CORPORATE CENTER PKY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	DATA 3 SYSTEMS INC	Pacific Bell

1403 CORPORATE CENTER PKY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	National City Mortgage	AT & T Yellow Pages

1425 CORPORATE CENTER PKY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Main Office	AT & T Yellow Pages
	Becoming independent	AT & T Yellow Pages
1994	TIME ARTS INC	Pacific Bell
	TIME ARTS INC	Pacific Bell
1990	Time Arts Inc graphic designs	R. L. Polk Co. Publishers

1427 CORPORATE CENTER PKY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	JERNIGAN MICHAEL	Pacific Bell
1990	Mc Candless Development Corp	R. L. Polk Co. Publishers

1435 CORPORATE CENTER PKY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	CENTER & FIT	Pacific Bell
	NORTHPOINT FITNESS	Pacific Bell
	PERSONAL	Pacific Bell

1455 CORPORATE CENTER PKY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	INTEGRATED MAGNETIC	Pacific Bell
	TECHNOLOGY CORP	Pacific Bell

FINDINGS

CRONE CT

941 CRONE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

945 CRONE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Fermin	AT & T Yellow Pages
	DOMINGUEZ Aifonso	AT & T Yellow Pages
1990	Anderson Louise M	R. L. Polk Co. Publishers
1987	Anderson Louise M	R. L. Polk Co. Publishers

949 CRONE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Alicia	AT & T Yellow Pages
	GONZALEZ A	AT & T Yellow Pages
1990	Brown Paul R	R. L. Polk Co. Publishers
1987	Brown Paul R	R. L. Polk Co. Publishers

Crone Ct

953 Crone Ct

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	MALDONADO JESUS	EDR Digital Archive
	MALDONADO JESUS	EDR Digital Archive

CRONE CT

953 CRONE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Tanner John M	R. L. Polk Co. Publishers
1987	Beno Margorie	R. L. Polk Co. Publishers

957 CRONE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HD	AT & T Yellow Pages
	Jim & Sue	AT & T Yellow Pages
1990	Barnard Shirley A	R. L. Polk Co. Publishers
1987	Barnard Shirley A	R. L. Polk Co. Publishers

FINDINGS

DANIEL

2515 DANIEL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SMITH Catherine	AT & T Yellow Pages
	SMITH Catherine	AT & T Yellow Pages
	SMITH Catherine	AT & T Yellow Pages
	SMITH Catherine	AT & T Yellow Pages
	SMITH Catherine	AT & T Yellow Pages

2521 DANIEL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PACE Christophher	AT & T Yellow Pages

DANIEL CT

2509 DANIEL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Clark Mark	R. L. Polk Co. Publishers
1987	Clark Mark	R. L. Polk Co. Publishers
1981	Clark Mark	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

2515 DANIEL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Smith Chas & Siegrid	Pacific Bell
1990	Smith Charles	R. L. Polk Co. Publishers
1987	Smith Charles	R. L. Polk Co. Publishers
1976	Tantanelli Ronald	R. L. Polk Co. Publishers

2521 DANIEL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PACE Christophher	AT & T Yellow Pages
	H	AT & T Yellow Pages
	PACE Christophher	AT & T Yellow Pages
	Hermenegildo	AT & T Yellow Pages
1994	Saba Mike	Pacific Bell
1990	Saba Mike	R. L. Polk Co. Publishers
1987	Saba Mike	R. L. Polk Co. Publishers
1981	Saba Mike	The Pacific Telephone and Telegraph Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	SWare Milton F	The Pacific Telephone and Telegraph Company

2525 DANIEL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Hudler Claire M	R. L. Polk Co. Publishers
1987	Larson Carl	R. L. Polk Co. Publishers
1981	Pratt Jack E	The Pacific Telephone and Telegraph Company
1976	Pratt Jack E	R. L. Polk Co. Publishers

2529 DANIEL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Allen Guy T	R. L. Polk Co. Publishers
1987	Allen Guy T	R. L. Polk Co. Publishers
1981	Allen Guy T	The Pacific Telephone and Telegraph Company
1976	Allen Guy T	R. L. Polk Co. Publishers

2531 DANIEL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Saba Michi	R. L. Polk Co. Publishers
1987	Saba Michi	R. L. Polk Co. Publishers

DANIEL CT S

2515 DANIEL CT S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SMITH Catherine	AT & T Yellow Pages
	Chas & Siegrid	AT & T Yellow Pages

DEUCE

3920 DEUCE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	DOMENICHELLI A	AT & T Yellow Pages

Deuce Dr

3901 Deuce Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	JOHNSON JEROME T	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	JOHNSON JEROME T	EDR Digital Archive

DEUCE DR

3903 DEUCE DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Santiago C	AT & T Yellow Pages
	OLIVAS Armando	AT & T Yellow Pages

DILLON

602 DILLON

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	WIUFF Carl & Donna	AT & T Yellow Pages

604 DILLON

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Royal	AT & T Yellow Pages
	Royal	AT & T Yellow Pages

606 DILLON

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	WHITE Ferdinand	AT & T Yellow Pages

DILLON LN

602 DILLON LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	WITZMAN Matt	AT & T Yellow Pages

604 DILLON LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Rose	AT & T Yellow Pages

606 DILLON LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Jett	AT & T Yellow Pages
	WHITE Ferdinand	AT & T Yellow Pages

FINDINGS

Dillon Ln

609 Dillon Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	T M H DESIGN	EDR Digital Archive
	T M H DESIGN	EDR Digital Archive

DIXE PL

2501 DIXE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Junior Mark B	The Pacific Telephone and Telegraph Company

DIXIE

2408 DIXIE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	KAYE Arnold	AT & T Yellow Pages
	KAYE Arnold	AT & T Yellow Pages

2409 DIXIE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GAMEZ Elma	AT & T Yellow Pages

2413 DIXIE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RAMIREZ Leticia	AT & T Yellow Pages

DIXIE PL

2400 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Geisner Joseph	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1981	French Belle M	The Pacific Telephone and Telegraph Company
1976	Sparks Thos N	R. L. Polk Co. Publishers

2401 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Cardenas Jose	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Cardenas Sebastian	R. L. Polk Co. Publishers
1987	Hickey Thomas L	R. L. Polk Co. Publishers
1981	Kessler Tamra	The Pacific Telephone and Telegraph Company
1976	Tuetken Louis P	R. L. Polk Co. Publishers

2404 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Wartenberg Mathew	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1981	Bobbitt Linda indepdnt ins agt	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

2405 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Donald	AT & T Yellow Pages
	Alexandra	AT & T Yellow Pages
1994	Allen Donald R	Pacific Bell
1990	Allen Donald R	R. L. Polk Co. Publishers
1987	Allen Donald R	R. L. Polk Co. Publishers
1981	Allen Cindy L	The Pacific Telephone and Telegraph Company
	Allen Cheryl L	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

2408 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	KAY Wm J	AT & T Yellow Pages
1994	Kay Wm J	Pacific Bell
1990	Kay Wm J	R. L. Polk Co. Publishers
1987	Kay Wm J	R. L. Polk Co. Publishers
1981	Kay Wm J	The Pacific Telephone and Telegraph Company

Dixie PI

2409 Dixie PI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	ALICIA OVERHOLT	EDR Digital Archive
	ALICIA OVERHOLT	EDR Digital Archive

FINDINGS

DIXIE PL

2409 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GAMEZ Elma	AT & T Yellow Pages
	Jose	AT & T Yellow Pages
1994	Schmidt David T	Pacific Bell
1990	Holbrook John T	R. L. Polk Co. Publishers
1987	Holbrook John T	R. L. Polk Co. Publishers
1976	Purdue Jose	R. L. Polk Co. Publishers

2412 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Kramer Gary	R. L. Polk Co. Publishers
1987	Kramer Gary	R. L. Polk Co. Publishers
1981	Kramer Gary	The Pacific Telephone and Telegraph Company
1976	Rigard Jeffrey S	R. L. Polk Co. Publishers

2413 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RAMIREZ Leticia	AT & T Yellow Pages
	M	AT & T Yellow Pages
1990	Mills Douglas H	R. L. Polk Co. Publishers
1987	Mills Douglas H	R. L. Polk Co. Publishers
1981	Mills D L	The Pacific Telephone and Telegraph Company
	Mills D H	The Pacific Telephone and Telegraph Company
1976	Ayers Philip	R. L. Polk Co. Publishers

2416 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Fifield Grant	R. L. Polk Co. Publishers
1987	Fifield Grant	R. L. Polk Co. Publishers
1976	Skigersath Dave	R. L. Polk Co. Publishers

2417 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Kagley Michl	R. L. Polk Co. Publishers
1987	Kagley Michi	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Kinyon Jas A	The Pacific Telephone and Telegraph Company
1976	Tacla Richd P	R. L. Polk Co. Publishers

2420 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Mora Ricardo	R. L. Polk Co. Publishers
1987	Mora Ricardo	R. L. Polk Co. Publishers
1981	Mora Pablo Garibaldi	The Pacific Telephone and Telegraph Company
	P Mora Ricardo	The Pacific Telephone and Telegraph Company
	Mora Pablo Garibaldi	The Pacific Telephone and Telegraph Company
	I Mora Ruben	The Pacific Telephone and Telegraph Company
1976	Mora Ricardo	R. L. Polk Co. Publishers

Dixie PI

2421 Dixie PI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	GLOBAL MARKETING	EDR Digital Archive
	GLOBAL MARKETING	EDR Digital Archive

DIXIE PL

2421 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Pilegaard Kenneth	Pacific Bell
1990	Pilegaard Kenneth	R. L. Polk Co. Publishers
1987	Pilegaard Kenneth	R. L. Polk Co. Publishers
1981	Pilegaard Kenneth	The Pacific Telephone and Telegraph Company
1976	Pilegaard Ken	R. L. Polk Co. Publishers

2424 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Murley Kris E	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

FINDINGS

Dixie PI

2425 Dixie PI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	GONDOLA ENTERPRISES	EDR Digital Archive
	GONDOLA ENTERPRISES	EDR Digital Archive
2010	GONDOLA ENTERPRISES	EDR Digital Archive
	GONDOLA ENTERPRISES	EDR Digital Archive

DIXIE PL

2425 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Gongda Richard G	R. L. Polk Co. Publishers
1987	Hamilton Sheila A Mrs	R. L. Polk Co. Publishers
1981	Hamilton Stephen	The Pacific Telephone and Telegraph Company
	! Hamilton Steven	The Pacific Telephone and Telegraph Company
1976	Hamilton Steven R	R. L. Polk Co. Publishers

2428 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Ransbottom Ray E	R. L. Polk Co. Publishers
1987	Ransbottom Ray E	R. L. Polk Co. Publishers
1981	Ransbottom Ray E	The Pacific Telephone and Telegraph Company
1976	Taylor R B	R. L. Polk Co. Publishers

Dixie PI

2500 Dixie PI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	TRANSACTION SERVICE	EDR Digital Archive
	TRANSACTION SERVICE	EDR Digital Archive

DIXIE PL

2500 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Bera Pat	Pacific Bell
1990	Vacant	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Vacant	R. L. Polk Co. Publishers
1981	Soileau Nathaniel	The Pacific Telephone and Telegraph Company

2501 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Robert & Della Victor	AT & T Yellow Pages AT & T Yellow Pages
1990	Evets Ronald	R. L. Polk Co. Publishers
1987	Evets Ronald	R. L. Polk Co. Publishers
1976	Junior Mark B	R. L. Polk Co. Publishers

2504 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Gerena Mercedes	R. L. Polk Co. Publishers
1987	Gerena Mercedes	R. L. Polk Co. Publishers
1981	Gerena Mercedes	The Pacific Telephone and Telegraph Company

2505 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Morgan Staci Ann	R. L. Polk Co. Publishers
1987	Sanders Ron	R. L. Polk Co. Publishers
1981	Piccinini Jas F	The Pacific Telephone and Telegraph Company

Dixie Pl

2508 Dixie Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	EMERALD RIDGE CONSTRUCTION	EDR Digital Archive
	EMERALD RIDGE CONSTRUCTION	EDR Digital Archive
2010	EMERALD RIDGE CONSTRUCTION	EDR Digital Archive
	EMERALD RIDGE CONSTRUCTION	EDR Digital Archive

DIXIE PL

2508 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Emerald Ridge Construction	AT & T Yellow Pages
	Filardo Troy J	AT & T Yellow Pages

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Huffman Gregory A	R. L. Polk Co. Publishers
1987	Huffman Robt	R. L. Polk Co. Publishers
1976	Vacant	R. L. Polk Co. Publishers

2509 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	COSHNEARDan	AT & T Yellow Pages
	Richard & Kimberley	AT & T Yellow Pages
1990	Youngs Robt D	R. L. Polk Co. Publishers
1987	Foster Lawrence B	R. L. Polk Co. Publishers
1976	Zienor E F	R. L. Polk Co. Publishers

Dixie Pl

2512 Dixie Pl

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	AWESOME HOBBIES	EDR Digital Archive
	AWESOME HOBBIES	EDR Digital Archive

DIXIE PL

2512 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Mc Mahon Kevin S	R. L. Polk Co. Publishers
1987	Mc Mahon Kevin S	R. L. Polk Co. Publishers
1981	Scheuer Paul D	The Pacific Telephone and Telegraph Company
1976	Lukenbill David P	R. L. Polk Co. Publishers

2513 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Elliott Dan M	R. L. Polk Co. Publishers
1987	Elliott Dan M	R. L. Polk Co. Publishers
1976	Vacant	R. L. Polk Co. Publishers

2516 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	REVES Abraham	AT & T Yellow Pages
1994	Alvarez Rigoberto	Pacific Bell
1990	Sandretto Lisa J	R. L. Polk Co. Publishers
1987	Speed Diane	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Simon David M	The Pacific Telephone and Telegraph Company
1976	Jonas Bruce	R. L. Polk Co. Publishers

2517 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Ignia Cio	AT & T Yellow Pages
	GALLEGOS A	AT & T Yellow Pages
1994	Forand D J	Pacific Bell
1990	Burmeyer Geo P	R. L. Polk Co. Publishers
1987	Humphrey Jack	R. L. Polk Co. Publishers
1976	Vacant	R. L. Polk Co. Publishers

2520 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Coffey Randy M	R. L. Polk Co. Publishers
1987	Coffey Randy	R. L. Polk Co. Publishers
1976	Foss Roger M	R. L. Polk Co. Publishers

2521 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LAFORCE Peter & Marsha	AT & T Yellow Pages
1994	La Force Peter & Marsha	Pacific Bell
1990	Eklove Folke	R. L. Polk Co. Publishers
1987	Eklove Folke	R. L. Polk Co. Publishers
1981	Ekiove Folke	The Pacific Telephone and Telegraph Company
1976	Wettedend Philip R	R. L. Polk Co. Publishers

Dixie PI

2524 Dixie PI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	PHOU LLC	EDR Digital Archive
	PHOU LLC	EDR Digital Archive
2010	PHOU LLC	EDR Digital Archive
	PHOU LLC	EDR Digital Archive

FINDINGS

DIXIE PL

2524 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Guerin Renee	R. L. Polk Co. Publishers
1987	Guerin Renee	R. L. Polk Co. Publishers
1976	Carlson James E	R. L. Polk Co. Publishers

2528 DIXIE PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Church Cheryl A	R. L. Polk Co. Publishers
1987	Tucker Tracy	R. L. Polk Co. Publishers
1976	Mehus Lance L	R. L. Polk Co. Publishers

E JASMINE CIR

511 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Gregory	AT & T Yellow Pages
	LEGGETT E Z	AT & T Yellow Pages

514 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	D K	AT & T Yellow Pages
	ALBERS Bob & Joann	AT & T Yellow Pages

515 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SWANGO Michael	AT & T Yellow Pages

522 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Maria	AT & T Yellow Pages
	HERRINGTON Jason & Emily	AT & T Yellow Pages

E Jasmine Cir

530 E Jasmine Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	BIG RED COMP AND INFO	EDR Digital Archive
	BIG RED COMP AND INFO	EDR Digital Archive

FINDINGS

E JASMINE CIR

530 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	NEYMAN BOB	AT & T Yellow Pages
	Donald E	AT & T Yellow Pages

537 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	KROMBHOLZ Michal & Karolina	AT & T Yellow Pages

539 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Jesse M	AT & T Yellow Pages
	WALLRICH Richard MD	AT & T Yellow Pages

543 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Laura	AT & T Yellow Pages
	ALONSOAmy	AT & T Yellow Pages

547 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CARVER Barbara	AT & T Yellow Pages

553 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SB	AT & T Yellow Pages
	Todd	AT & T Yellow Pages

555 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	William	AT & T Yellow Pages
	I WILBERT Johnson	AT & T Yellow Pages

569 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MD	AT & T Yellow Pages
	Mari	AT & T Yellow Pages

FINDINGS

572 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Robin	AT & T Yellow Pages
	DEDRICK D	AT & T Yellow Pages

573 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Mark	AT & T Yellow Pages
	BLAZEVIICH Gerald L	AT & T Yellow Pages

576 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Leah	AT & T Yellow Pages
	SEGHEZZI C	AT & T Yellow Pages

583 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HUMPHREYAnne	AT & T Yellow Pages
	Thad & Lisa	AT & T Yellow Pages

589 E JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SIAW Emmanuel	AT & T Yellow Pages

E JOSEPH CT

2400 E JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	OConnell Robt	R. L. Polk Co. Publishers
1976	OConnell Robt J	R. L. Polk Co. Publishers

2401 E JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Spitzer Ronald D	R. L. Polk Co. Publishers
1987	Spitzer Ronald	R. L. Polk Co. Publishers
1976	Spitzer Ronald	R. L. Polk Co. Publishers

2404 E JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Tatman Wilma Mrs	R. L. Polk Co. Publishers
1987	Tatman Wm M	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Tatman W M	The Pacific Telephone and Telegraph Company
1976	Blankenship Mike	R. L. Polk Co. Publishers

2405 E JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Fountaine Donald	R. L. Polk Co. Publishers
1976	Delprado Guido A	R. L. Polk Co. Publishers

2406 E JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	No Return	R. L. Polk Co. Publishers

2408 E JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Allen Gary D	R. L. Polk Co. Publishers
1987	Allens Gary DO	R. L. Polk Co. Publishers
1976	Vacant	R. L. Polk Co. Publishers

2409 E JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Dolores	AT & T Yellow Pages
	MARTIN David Granville	AT & T Yellow Pages
1990	Sallee Suann I	R. L. Polk Co. Publishers
1987	Sallee Suann	R. L. Polk Co. Publishers
1976	Bones Charles R	R. L. Polk Co. Publishers

2412 E JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	High David J	R. L. Polk Co. Publishers
1987	High David J	R. L. Polk Co. Publishers
1981	Hueget H Don	The Pacific Telephone and Telegraph Company
1976	Huegel Donald M	R. L. Polk Co. Publishers

2413 E JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Villanueva Jesus	R. L. Polk Co. Publishers
1987	Vilanueva Jesus	R. L. Polk Co. Publishers
1976	Vacant	R. L. Polk Co. Publishers

FINDINGS

2416 E JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Finn Timothy P	R. L. Polk Co. Publishers
	Gosha Clarence	R. L. Polk Co. Publishers
1987	Siderstrom Mike M	R. L. Polk Co. Publishers
1981	Wentworth TA	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

2417 E JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	Krouse Patricia D	R. L. Polk Co. Publishers

2420 E JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Madson Darryl Jr	R. L. Polk Co. Publishers
1987	Madson Darryl Jr	R. L. Polk Co. Publishers
1981	Mc Burney Charles	The Pacific Telephone and Telegraph Company

2421 E JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Marshburn Hadley E	R. L. Polk Co. Publishers
1987	Marshburn Hadley E	R. L. Polk Co. Publishers
1976	Clagg Ernest L	R. L. Polk Co. Publishers

2424 E JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ITURBE CORONA Hector	AT & T Yellow Pages
1990	Ashworth Fawn Mrs	R. L. Polk Co. Publishers
1987	Ashworth Ron	R. L. Polk Co. Publishers
1976	Stone Neal C	R. L. Polk Co. Publishers

2425 E JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Morrissy James P	R. L. Polk Co. Publishers
1987	Harrison Charles W	R. L. Polk Co. Publishers
1981	Harrison C W	The Pacific Telephone and Telegraph Company
1976	Harrison C W	R. L. Polk Co. Publishers

FINDINGS

E STEPHANIE CT

2400 E STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LUIS Alvin	AT & T Yellow Pages
	Madero Medina	AT & T Yellow Pages
	Norma C	AT & T Yellow Pages
	RIVERA Mario & Donna	AT & T Yellow Pages
1990	Jenks W Howard	R. L. Polk Co. Publishers
1987	Jenks W Howard	R. L. Polk Co. Publishers
1976	Craver Donald M	R. L. Polk Co. Publishers

2401 E STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Azarvand Louise Mrs	R. L. Polk Co. Publishers
1987	Azarvand Louise Mrs	R. L. Polk Co. Publishers

2404 E STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Mc Lerran Karen L	R. L. Polk Co. Publishers
1987	Mc Lerran Karen L O	R. L. Polk Co. Publishers
1981	Kamm Jo	The Pacific Telephone and Telegraph Company
1976	Kamm Darwin L	R. L. Polk Co. Publishers

2405 E STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Ignacia	AT & T Yellow Pages
	Homero	AT & T Yellow Pages
	ARRENDONDO Cecilia	AT & T Yellow Pages
1990	Van Deren James L	R. L. Polk Co. Publishers
1987	Van Deren James L	R. L. Polk Co. Publishers
1981	Van Deren Jas	The Pacific Telephone and Telegraph Company
1976	Van Deren James L	R. L. Polk Co. Publishers

2408 E STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LOZA Dora	AT & T Yellow Pages
	Griselda	AT & T Yellow Pages
1990	Jump Rick L	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Jump Rick L	R. L. Polk Co. Publishers
1981	Tawney Gary	The Pacific Telephone and Telegraph Company
1976	Schonort Robt G	R. L. Polk Co. Publishers

2409 E STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Christenson Gray R	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1981	Worstold Janette	The Pacific Telephone and Telegraph Company
	Clifton Dave	The Pacific Telephone and Telegraph Company
1976	Frates Peter	R. L. Polk Co. Publishers

2412 E STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Canepa Raymond	R. L. Polk Co. Publishers
1987	Canepa Raymond	R. L. Polk Co. Publishers
1981	Canepa Raymond	The Pacific Telephone and Telegraph Company
1976	Engel Wayne T	R. L. Polk Co. Publishers

2413 E STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Juan	AT & T Yellow Pages
	ORELLANAA	AT & T Yellow Pages
1990	Dolzadell Miriam	R. L. Polk Co. Publishers
1987	Dolzadell Miriam	R. L. Polk Co. Publishers
1976	Anderson Robt C	R. L. Polk Co. Publishers

2416 E STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Luna Jose	R. L. Polk Co. Publishers
1987	Luna Jose	R. L. Polk Co. Publishers
1981	Luna Jose	The Pacific Telephone and Telegraph Company
1976	Luna Jose L	R. L. Polk Co. Publishers

2417 E STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Van Auker D	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Roden Tim	R. L. Polk Co. Publishers
1981	Rodenberger Debra	The Pacific Telephone and Telegraph Company
	Roden Tim & Dianne	The Pacific Telephone and Telegraph Company
1976	Stumph Geo A	R. L. Polk Co. Publishers

2420 E STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Wahl Donald E	R. L. Polk Co. Publishers
1987	Wahl Donald E	R. L. Polk Co. Publishers
1981	Lopez Jose	The Pacific Telephone and Telegraph Company
1976	Corrivean Jeri A	R. L. Polk Co. Publishers

2421 E STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Bass James M	R. L. Polk Co. Publishers
1987	Bass James	R. L. Polk Co. Publishers
1981	Sloan Denise	The Pacific Telephone and Telegraph Company
1976	Sloan Robt A	R. L. Polk Co. Publishers

2424 E STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Holtz Dona L	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1976	Vacant	R. L. Polk Co. Publishers

2425 E STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Miller Ronald J	R. L. Polk Co. Publishers
1987	Riley John	R. L. Polk Co. Publishers
1976	Eickelberg Wm	R. L. Polk Co. Publishers

FELDSPAR

400 FELDSPAR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BR	AT & T Yellow Pages
	BR	AT & T Yellow Pages

FINDINGS

448 FELDSPAR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	DRAKEAmanda 5	AT & T Yellow Pages

FELDSPAR LN

400 FELDSPAR LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BR	AT & T Yellow Pages
	Giovanni	AT & T Yellow Pages

Feldspar Ln

408 Feldspar Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	LILLARD & ASSOCIATES	EDR Digital Archive
	LILLARD & ASSOCIATES	EDR Digital Archive

FELDSPAR LN

408 FELDSPAR LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Lillard & Associates Certtify shorthand Repoter	AT & T Yellow Pages
	Karen	AT & T Yellow Pages
	LILLARD D	AT & T Yellow Pages

412 FELDSPAR LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BARRON A	AT & T Yellow Pages
	Elizabeth & Theo	AT & T Yellow Pages

Feldspar Ln

432 Feldspar Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SCALISI STEPHEN V GEN CONTR	EDR Digital Archive
	SCALISI STEPHEN V GEN CONTR	EDR Digital Archive

FINDINGS

FELDSPAR LN

436 FELDSPAR LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	NICHOLSON Adam	AT & T Yellow Pages
	G	AT & T Yellow Pages

Feldspar Ln

448 Feldspar Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	LITTLE ANGEL COURIER SVCS INC	EDR Digital Archive
	LITTLE ANGEL COURIER SVCS INC	EDR Digital Archive

FELDSPAR LN

448 FELDSPAR LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Dianne	AT & T Yellow Pages
	DRAKEAmanda 5	AT & T Yellow Pages

Feldspar Ln

456 Feldspar Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	TEMPLIN JEFFREY BRAD	EDR Digital Archive
	TEMPLIN JEFFREY BRAD	EDR Digital Archive
2010	TEMPLIN JEFFREY BRAD	EDR Digital Archive
	TEMPLIN JEFFREY BRAD	EDR Digital Archive

460 Feldspar Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	GET IN TO SHAPE LLC	EDR Digital Archive
	GET IN TO SHAPE LLC	EDR Digital Archive
2010	GET IN TO SHAPE LLC	EDR Digital Archive
	GET IN TO SHAPE LLC	EDR Digital Archive

FINDINGS

FELDSPAR LN

460 FELDSPAR LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Mary C	AT & T Yellow Pages
	Catalina	AT & T Yellow Pages

Feldspar Ln

466 Feldspar Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	HEEGARD LINDA MARY	EDR Digital Archive
	HEEGARD LINDA MARY	EDR Digital Archive
2010	HEEGARD LINDA MARY	EDR Digital Archive
	HEEGARD LINDA MARY	EDR Digital Archive

FINLEY AVE

3705 FINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Gold Coast Realty Mortgage Co realty	R. L. Polk Co. Publishers
1976	Crist F Reed	R. L. Polk Co. Publishers
1970	Crist F Reed	R. L. Polk Co. Publishers
1965	Crist F Reed	R. L. Polk Co. Publishers
1961	Crist F Reed	R. L. Polk Co., Publishers

3706 FINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Fortino Thoe M	R. L. Polk Co. Publishers
	Rainbow Paving Co contr	R. L. Polk Co. Publishers

FLAGSTONE

2322 FLAGSTONE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RUSSO A	AT & T Yellow Pages
	RUSSO A	AT & T Yellow Pages

FINDINGS

FLAGSTONE WAY

2321 FLAGSTONE WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Randall Kathy R	R. L. Polk Co. Publishers

2322 FLAGSTONE WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Daniella	AT & T Yellow Pages
	RUSSO A	AT & T Yellow Pages
	Ryan & Daniella	AT & T Yellow Pages
	G L	AT & T Yellow Pages
1990	Del Curto David	R. L. Polk Co. Publishers

2325 FLAGSTONE WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ESPANA Carlos	AT & T Yellow Pages
1994	Mungia Anselmo Reyes	Pacific Bell
	Espana Carlos	Pacific Bell
1990	Farrar Richd F	R. L. Polk Co. Publishers

2326 FLAGSTONE WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Mc Ewen John C	R. L. Polk Co. Publishers

FRESNO

1001 FRESNO

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BOTTSCI	AT & T Yellow Pages

1061 FRESNO

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ESCOBAR Arturo	AT & T Yellow Pages

Fresno Ave

830 Fresno Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	APM HOMES INC	EDR Digital Archive
	APM HOMES INC	EDR Digital Archive

FINDINGS

834 Fresno Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	BIG STAR PRODUCTIONS	EDR Digital Archive
	BIG STAR PRODUCTIONS	EDR Digital Archive

900 Fresno Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SURGICAL CENTER	EDR Digital Archive
	PRITCHARD HARTLEY PRPTS LLC	EDR Digital Archive
	VCA WESTSIDE ANIMAL HOSPITAL	EDR Digital Archive
	WEST SIDE VETERINARY CLINIC	EDR Digital Archive
	SURGICAL CENTER	EDR Digital Archive
	PRITCHARD HARTLEY PRPTS LLC	EDR Digital Archive
	VCA WESTSIDE ANIMAL HOSPITAL	EDR Digital Archive
	WEST SIDE VETERINARY CLINIC	EDR Digital Archive
2010	PRITCHARD HARTLEY PRPTS LLC	EDR Digital Archive
	WEST SIDE VETERINARY CLINIC	EDR Digital Archive
	PRITCHARD HARTLEY PRPTS LLC	EDR Digital Archive
	WEST SIDE VETERINARY CLINIC	EDR Digital Archive

FRESNO AVE

900 FRESNO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Hartley K M DVM Westside Veterinary Clinic	AT & T Yellow Pages
	Surgical Center	AT & T Yellow Pages
	WESTSIDE VETERINARY CLINIC	AT & T Yellow Pages
1994	CLINIC	Pacific Bell
	WESTSIDE VETERINARY	Pacific Bell
1990	West Side Veterinary Clinic	R. L. Polk Co. Publishers
1987	West Side Veterinary Clinic	R. L. Polk Co. Publishers
1981	West Side Veterinary Clinic	The Pacific Telephone and Telegraph Company
	Daniels Ruth DVM West Side Veterinary Clinic	The Pacific Telephone and Telegraph Company
	Richards Rick B DVM West Side Veterinary Clinic	The Pacific Telephone and Telegraph Company
1976	West Side Veterinary Clinic	R. L. Polk Co. Publishers

FINDINGS

910 FRESNO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Vacant	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers
1976	Empire Livestock	R. L. Polk Co. Publishers
	Empire Veterinary Center	R. L. Polk Co. Publishers
1970	W R Veterinary Supply	R. L. Polk Co. Publishers
	Empire Veterinary Center	R. L. Polk Co. Publishers
1965	Clinic	R. L. Polk Co. Publishers
	Woolsey & Richards Veterinary	R. L. Polk Co. Publishers
1961	ary Clinic	R. L. Polk Co., Publishers
	Woolsey & Richards Veterin	R. L. Polk Co., Publishers

Fresno Ave

911 Fresno Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	MICHELLES BOARDING KENNEL	EDR Digital Archive
	MICHELLES BOARDING KENNEL	EDR Digital Archive

FRESNO AVE

911 FRESNO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	KENNEL	Pacific Bell
	MICHELLES BOARDING	Pacific Bell
1990	Moffit Pat	R. L. Polk Co. Publishers
	Michelles Boarding Kennel	R. L. Polk Co. Publishers
1987	Moffit Pat	R. L. Polk Co. Publishers
	Michelles Boarding Kennel	R. L. Polk Co. Publishers
1981	Mendes L.....	The Pacific Telephone and Telegraph Company
	Mendocino Van & Storage Co	The Pacific Telephone and Telegraph Company
1976	No Return	R. L. Polk Co. Publishers
1970	Vacant	R. L. Polk Co. Publishers

912 FRESNO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Cutler Greg	R. L. Polk Co. Publishers
1987	Cutler Greg	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Clowney J	The Pacific Telephone and Telegraph Company

930 FRESNO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1965	Wilson Delta E	R. L. Polk Co. Publishers
1961	Sanders Guy	R. L. Polk Co., Publishers

950 FRESNO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Hoda Mike	R. L. Polk Co. Publishers
1987	Santa Rosa Livestock Auction	R. L. Polk Co. Publishers
1981	SANTA ROSA UVESTOCK AUCTION	The Pacific Telephone and Telegraph Company
1976	Santa Rosa Livestock Auction Yard	R. L. Polk Co. Publishers
1970	Jerome James	R. L. Polk Co. Publishers
	Santa Rosa Livestock Auction Yard	R. L. Polk Co. Publishers
1965	Santa Rosa Livestock Aucti 06n Yd	R. L. Polk Co. Publishers
	Jerome Jas	R. L. Polk Co. Publishers
1961	Santa Rosa Livestock Auction	R. L. Polk Co., Publishers
	Jerome Jas	R. L. Polk Co., Publishers

Fresno Ave

1001 Fresno Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	HARMONY LANDSCAPING	EDR Digital Archive
	HARMONY LANDSCAPING	EDR Digital Archive
2010	HARMONY LANDSCAPING	EDR Digital Archive
	SPIRITUAL FITNESS	EDR Digital Archive
	HARMONY LANDSCAPING	EDR Digital Archive
	SPIRITUAL FITNESS	EDR Digital Archive

FRESNO AVE

1001 FRESNO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BOTTRELL Libby	AT & T Yellow Pages
1990	Allbritton John E	R. L. Polk Co. Publishers
1987	All Ubritton John E	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Allbritton John E	The Pacific Telephone and Telegraph Company
1976	Allbritton John E	R. L. Polk Co. Publishers
1970	Guillory Virginia E Mrs	R. L. Polk Co. Publishers
1965	Guillory Morile	R. L. Polk Co. Publishers
1961	Guillory Morile	R. L. Polk Co., Publishers

1061 FRESNO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ESCOBAR Arturo	AT & T Yellow Pages
	Maria G	AT & T Yellow Pages
1990	Solie Melvin J	R. L. Polk Co. Publishers
1987	Solie Melvin J	R. L. Polk Co. Publishers
1976	Solie Melvin J	R. L. Polk Co. Publishers
1970	Solie Melvin J	R. L. Polk Co. Publishers
1965	Solie Melvin J	R. L. Polk Co. Publishers
1961	Solie Melvin	R. L. Polk Co., Publishers

1071 FRESNO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	IMPELIDO Geo	AT & T Yellow Pages
1994	Impelido Geo	Pacific Bell
1990	Impelido G	R. L. Polk Co. Publishers
1987	Impelido G	R. L. Polk Co. Publishers
1981	Impelido Geo	The Pacific Telephone and Telegraph Company
1976	Impelido Flora Mrs	R. L. Polk Co. Publishers
1970	Impelido Flora Mrs	R. L. Polk Co. Publishers
1965	Impelido Gonzalo	R. L. Polk Co. Publishers
1961	Impelido Geo	R. L. Polk Co., Publishers

1101 FRESNO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Inovejas K	Pacific Bell
1990	Inovejas K	R. L. Polk Co. Publishers
1987	Inovejas Catherine Mrs	R. L. Polk Co. Publishers
	Dormnan Thomas J	R. L. Polk Co. Publishers
1981	Inovejas K	The Pacific Telephone and Telegraph Company
1976	Inovejas B	R. L. Polk Co. Publishers
1970	Impelido Kath Mrs	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1965	Impelido Lope	R. L. Polk Co. Publishers
1961	Impelido Lope	R. L. Polk Co., Publishers

1129 FRESNO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Klabunder Thos R	R. L. Polk Co. Publishers
	Good Guys Fire Protection	R. L. Polk Co. Publishers
1987	Klanbunder Thos R	R. L. Polk Co. Publishers
	Good Guys Fire Protection	R. L. Polk Co. Publishers
1981	Goodhue Ralph B	The Pacific Telephone and Telegraph Company
	Goodguys Fire Protection	The Pacific Telephone and Telegraph Company
1976	Miller Charles	R. L. Polk Co. Publishers
1970	Askew Neil	R. L. Polk Co. Publishers
	Askew Marvin M	R. L. Polk Co. Publishers
1965	No Return	R. L. Polk Co. Publishers
1961	Askew Marvin	R. L. Polk Co., Publishers

Fresno Ave

1139 Fresno Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ASCALO INTERNATIONAL LLC	EDR Digital Archive
	ASCALO INTERNATIONAL LLC	EDR Digital Archive
2010	ASCALO INTERNATIONAL LLC	EDR Digital Archive
	ASCALO INTERNATIONAL LLC	EDR Digital Archive

FRESNO AVE

1139 FRESNO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Ganding Mary	Pacific Bell
1990	Ganding Mary Mrs	R. L. Polk Co. Publishers
1987	Ganding Mary Mrs	R. L. Polk Co. Publishers
1981	Ganding Mary	The Pacific Telephone and Telegraph Company
1976	Ganding John M	R. L. Polk Co. Publishers
1970	Ganding John M	R. L. Polk Co. Publishers
	Sotto Ramon	R. L. Polk Co. Publishers
1965	Ganding John 545 S	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1961	Ganding John	R. L. Polk Co., Publishers

1143 FRESNO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Pena Emilio	R. L. Polk Co. Publishers
1987	Pena Emilio	R. L. Polk Co. Publishers
1976	Marquez Rudy T	R. L. Polk Co. Publishers
1970	Marquis Rudoulf D	R. L. Polk Co. Publishers
1965	Pina Braz	R. L. Polk Co. Publishers
1961	Pina Braz	R. L. Polk Co., Publishers
	se cor KSRO transmitter sta	R. L. Polk Co., Publishers

GARDNER

2208 GARDNER

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	YOKOYAMA David A	AT & T Yellow Pages

2261 GARDNER

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	URBINA Daniel E	AT & T Yellow Pages

2404 GARDNER

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LANKHORST Lyle & Sandra	AT & T Yellow Pages

2424 GARDNER

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CASTRO Robt	AT & T Yellow Pages

GARDNER AVE

2158 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	AVALOS Eliseo	AT & T Yellow Pages
	Virginia	AT & T Yellow Pages
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1976	Jackson M	R. L. Polk Co. Publishers
1970	Stokes B E	R. L. Polk Co. Publishers
1965	Kogeler Earle G	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1961	Roderich Ray	R. L. Polk Co., Publishers
1958	Williams Oliver H	R. L. Polk Co., Publishers

2166 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HIAASEN Marsey	AT & T Yellow Pages
1990	Soderquist Charles R	R. L. Polk Co. Publishers
1987	Soderquist Charles R	R. L. Polk Co. Publishers
1981	Soderquist T F	The Pacific Telephone and Telegraph Company
1976	Soderquist Charles R	R. L. Polk Co. Publishers
1970	Soderquist Charles R	R. L. Polk Co. Publishers
1965	Soderquist Chas R	R. L. Polk Co. Publishers
1961	Sogerquist Chas R	R. L. Polk Co., Publishers
1958	Powers Norman C	R. L. Polk Co., Publishers

2200 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	YOKOYAMA David A	AT & T Yellow Pages
	Fred	AT & T Yellow Pages
1994	Yokoyama Fred	Pacific Bell
1990	Yokoyama Shigeno Mrs	R. L. Polk Co. Publishers
1987	Yokoyama Geo	R. L. Polk Co. Publishers
1981	Yokoyama Geo	The Pacific Telephone and Telegraph Company
	Yokoyama Fred	The Pacific Telephone and Telegraph Company
1976	Yokoyama Fred gdnr	R. L. Polk Co. Publishers
1970	Yokoyama Fred gdnr	R. L. Polk Co. Publishers
1965	Yokoyama Fred	R. L. Polk Co. Publishers
1961	Bischofberger Alois	R. L. Polk Co., Publishers
1958	Drury Robt J	R. L. Polk Co., Publishers

2206 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Yokoyama Fred	Pacific Bell
1990	Yokoyama Fred	R. L. Polk Co. Publishers
1987	Yokoyama Fred	R. L. Polk Co. Publishers
1981	Yokoyama Fred	The Pacific Telephone and Telegraph Company
1976	Duruganan Rene	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Vickery Ruth C	R. L. Polk Co. Publishers
1970	Hamamoto Chester S	R. L. Polk Co. Publishers
1965	Hamamoto Chester	R. L. Polk Co. Publishers

2208 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	J	AT & T Yellow Pages
	YOKOYAMA David A	AT & T Yellow Pages
1994	Jacques Ruben	Pacific Bell
1990	Loiseaux Kendall S	R. L. Polk Co. Publishers
1987	Loiseaux Kendall S	R. L. Polk Co. Publishers
1976	ONeial Lucy	R. L. Polk Co. Publishers
1970	No Return	R. L. Polk Co. Publishers
1965	Marquis Michi	R. L. Polk Co. Publishers

2212 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Fujihara Misao Mrs	R. L. Polk Co. Publishers
1987	Fujihara Misao Mrs	R. L. Polk Co. Publishers
1981	Fujihara M	The Pacific Telephone and Telegraph Company
1976	Fujihara Masahiko	R. L. Polk Co. Publishers
1970	Fujihara Masahiko	R. L. Polk Co. Publishers
1965	Fujihara Masahiko	R. L. Polk Co. Publishers
1961	Fu Jihara Masahiko	R. L. Polk Co., Publishers
1958	Fujihara Masahiko	R. L. Polk Co., Publishers

2255 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Alejandro	AT & T Yellow Pages
	VARGAS Aida	AT & T Yellow Pages
	Salgado Jesus B	AT & T Yellow Pages
	Remigio	AT & T Yellow Pages
1990	Mills Barry	R. L. Polk Co. Publishers
1987	Mills Barry	R. L. Polk Co. Publishers
1976	Mills Barry	R. L. Polk Co. Publishers
1970	Hauber Arth H	R. L. Polk Co. Publishers
1965	Hauber Arth H	R. L. Polk Co. Publishers

FINDINGS

2261 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	URBINA Daniel E	AT & T Yellow Pages
	Gloria	AT & T Yellow Pages
1990	Luchsinger Connie M Mrs	R. L. Polk Co. Publishers
1987	Luchsinger Connie M Mrs	R. L. Polk Co. Publishers
1981	Luchsinger Joe P Jr	The Pacific Telephone and Telegraph Company
1976	Luchsinger Joe P	R. L. Polk Co. Publishers
1970	Luchsinger Joe P	R. L. Polk Co. Publishers
1965	Luehsinger Joe P	R. L. Polk Co. Publishers
1961	Vacant	R. L. Polk Co., Publishers

2262 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	JWJr	AT & T Yellow Pages
	Jessie F	AT & T Yellow Pages
1990	Tauzer Debra	R. L. Polk Co. Publishers
1987	Furuta Minobu	R. L. Polk Co. Publishers
1981	Furuta Minobu	The Pacific Telephone and Telegraph Company
1976	Furuta Minobu	R. L. Polk Co. Publishers
1970	Furuta Minobu	R. L. Polk Co. Publishers
1965	Furuta Mtnoubu	R. L. Polk Co. Publishers
1961	Furuta Minobu	R. L. Polk Co., Publishers
1958	Puruta Minobu	R. L. Polk Co., Publishers

2263 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Cruz Dani E	R. L. Polk Co. Publishers
1987	Cruz Dan I E	R. L. Polk Co. Publishers
1981	Cruz Daniel E	The Pacific Telephone and Telegraph Company
	Cruz Diane T	The Pacific Telephone and Telegraph Company
1976	Cruz Dani E	R. L. Polk Co. Publishers
1970	Farschman Henry G	R. L. Polk Co. Publishers
1965	Farschaian Henry G I	R. L. Polk Co. Publishers
1961	Farscliman Henry G	R. L. Polk Co., Publishers
1958	Parschman Henry G	R. L. Polk Co., Publishers

FINDINGS

2306 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Papera Dani M	R. L. Polk Co. Publishers
1965	Papera Danil M	R. L. Polk Co. Publishers
1961	Papera Danl M	R. L. Polk Co., Publishers
1958	Papera Dani M	R. L. Polk Co., Publishers

2309 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Barbara	Pacific Bell
	Peterson Robert	Pacific Bell
1981	Peterson Robt R	The Pacific Telephone and Telegraph Company
1976	Peterson Robt R	R. L. Polk Co. Publishers
1970	Peterson Robt R	R. L. Polk Co. Publishers
1965	Petersot Robt Rt	R. L. Polk Co. Publishers
1961	se cor KSRO transmitter sta	R. L. Polk Co., Publishers
	Peterson Robt R	R. L. Polk Co., Publishers

2310 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Perez Jesus	R. L. Polk Co. Publishers
1965	Perez Jesus	R. L. Polk Co. Publishers
1961	Perez Jesus	R. L. Polk Co., Publishers
1958	Perez Jesus	R. L. Polk Co., Publishers

2313 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Fehrman Edmund P	R. L. Polk Co. Publishers
1970	Fehrman Edmund P	R. L. Polk Co. Publishers
1965	Fehrman Edmund P	R. L. Polk Co. Publishers
1961	Fehrmnan Ed P	R. L. Polk Co., Publishers

2317 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Bowers Ray L	The Pacific Telephone and Telegraph Company
1976	Bowers Ray L	R. L. Polk Co. Publishers
1970	Bowers Ray L 542 Q&5	R. L. Polk Co. Publishers
1965	Bowers ay L	R. L. Polk Co. Publishers
1961	Bowers Ray L	R. L. Polk Co., Publishers

FINDINGS

2321 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Bowman JC	The Pacific Telephone and Telegraph Company
1976	Bowman J C	R. L. Polk Co. Publishers
1970	Sbragia Giovanni	R. L. Polk Co. Publishers
1965	Sbr Piaja Gieio vanni	R. L. Polk Co. Publishers
1961	Sbragia Giovanni	R. L. Polk Co., Publishers

2327 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Renee	AT & T Yellow Pages
	RAYON Felipe Nava	AT & T Yellow Pages
1994	Gamino Juan	Pacific Bell
1990	aOtt Russell T	R. L. Polk Co. Publishers
	Mc Gill Rita A	R. L. Polk Co. Publishers

Gardner Ave

2331 Gardner Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	JVM ENTERPRISES LLC	EDR Digital Archive
	JVM ENTERPRISES LLC	EDR Digital Archive
2010	OLIVAS SHERRY GRIFFIN	EDR Digital Archive
	OLIVAS SHERRY GRIFFIN	EDR Digital Archive

GARDNER AVE

2400 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Anderson Martin	R. L. Polk Co. Publishers
1987	Anderson Martin	R. L. Polk Co. Publishers
1976	Anderson Martin	R. L. Polk Co. Publishers

2404 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Lyle Mark	AT & T Yellow Pages
	LANKHORST D & C	AT & T Yellow Pages
1990	Salvadori Evette F	R. L. Polk Co. Publishers
1987	Cooper Leona	R. L. Polk Co. Publishers
1976	Williams Dennis	R. L. Polk Co. Publishers

FINDINGS

2408 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Albritton Penny	R. L. Polk Co. Publishers
1987	Smith Annette	R. L. Polk Co. Publishers
1976	Silva Henry	R. L. Polk Co. Publishers

2412 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PAREDES Anita	AT & T Yellow Pages
	Teresa	AT & T Yellow Pages
1990	Bastiaannet Cor	R. L. Polk Co. Publishers
1987	Gerome Pat	R. L. Polk Co. Publishers
1976	Gerome Bill	R. L. Polk Co. Publishers

2416 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Scott Darrel	Pacific Bell
1990	Scott Darrel J	R. L. Polk Co. Publishers
1987	Scott Darrel	R. L. Polk Co. Publishers
1981	Norgrove Richard Ray	The Pacific Telephone and Telegraph Company
1976	Norgrove Rich	R. L. Polk Co. Publishers

Gardner Ave

2420 Gardner Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	BRASS SPATULA PERSONAL CHEF	EDR Digital Archive
	BRASS SPATULA PERSONAL CHEF	EDR Digital Archive
2010	BRASS SPATULA PERSONAL CHEF	EDR Digital Archive
	BRASS SPATULA PERSONAL CHEF	EDR Digital Archive

GARDNER AVE

2420 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Weitze Keith W	R. L. Polk Co. Publishers
1987	Morris Lawrence	R. L. Polk Co. Publishers
1981	Morris Larry	The Pacific Telephone and Telegraph Company
	Morris Cathy	The Pacific Telephone and Telegraph Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Moreis M	The Pacific Telephone and Telegraph Company
1976	Morris Lawrence	R. L. Polk Co. Publishers

2424 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CASTRO Robt	AT & T Yellow Pages
	Rutili O	AT & T Yellow Pages
1990	Bisler Robt	R. L. Polk Co. Publishers
1987	Stevenson Gary	R. L. Polk Co. Publishers
1981	Stevenson Gary	The Pacific Telephone and Telegraph Company
1976	Stevenson Gary	R. L. Polk Co. Publishers

2500 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Leng Laov	Pacific Bell
1990	Harmina George F	R. L. Polk Co. Publishers
1987	Harmina George	R. L. Polk Co. Publishers
1976	Harmina George	R. L. Polk Co. Publishers

2504 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Gerow Harry L	R. L. Polk Co. Publishers
1987	Gerow Harry L	R. L. Polk Co. Publishers
1976	Poppe Daniel	R. L. Polk Co. Publishers

2508 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Kim Geo K H	R. L. Polk Co. Publishers
1987	Kimn Geo K H	R. L. Polk Co. Publishers
	Haseltine Charles J	R. L. Polk Co. Publishers
1976	Vacant	R. L. Polk Co. Publishers

2516 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Anglin Thomas	R. L. Polk Co. Publishers
1987	Masterson Shawn P	R. L. Polk Co. Publishers
1981	Houk L	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

FINDINGS

2520 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Sexton Robt	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers
1976	Zavala Ramon	R. L. Polk Co. Publishers

2524 GARDNER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HERNANDEZAna L Baltazar	AT & T Yellow Pages AT & T Yellow Pages
1994	Nickelson D W	Pacific Bell
1990	Nickelson D W	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1976	Me Cullough Albert	R. L. Polk Co. Publishers

GIFFEN

2589 GIFFEN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MARKSAntoinette	AT & T Yellow Pages

2595 GIFFEN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MALDONADO Aesela	AT & T Yellow Pages

2602 GIFFEN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GIFFEN House	AT & T Yellow Pages

GIFFEN AVE

2503 GIFFEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Vacant	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers
1981	Mc Kinney Roy	The Pacific Telephone and Telegraph Company
1976	Mc Kinney Roy	R. L. Polk Co. Publishers
1970	Mc Kinney Helen Mrs	R. L. Polk Co. Publishers
1965	Mc Kinney Roy C	R. L. Polk Co. Publishers
1961	Mc Kinney Roy	R. L. Polk Co., Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Mc Kinney Roy	R. L. Polk Co., Publishers

2589 GIFFEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Pamela Leah	AT & T Yellow Pages
	MARKSAntoinette	AT & T Yellow Pages
	Tricia	AT & T Yellow Pages
	BROWNFIELD Margee	AT & T Yellow Pages
1990	No Return	R. L. Polk Co. Publishers
	a Vacant	R. L. Polk Co. Publishers
1987	Munson Leslie A	R. L. Polk Co. Publishers
	a Vacant	R. L. Polk Co. Publishers
	Sheehan Geo	R. L. Polk Co. Publishers
1981	Munson Leslie A	The Pacific Telephone and Telegraph Company
1976	Jenkins Veron L	R. L. Polk Co. Publishers
1970	No Return	R. L. Polk Co. Publishers
1965	Veilleux Richd M	R. L. Polk Co. Publishers
1958	Angel Mae P Mrs	R. L. Polk Co., Publishers
	Brunt Ernest R	R. L. Polk Co., Publishers

2590 GIFFEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GLC Construction Inc	AT & T Yellow Pages
	H B	AT & T Yellow Pages
	VARNADORE Bryan & Julie	AT & T Yellow Pages
1990	Varnadore Horace B	R. L. Polk Co. Publishers
1987	Varnadore Horace B	R. L. Polk Co. Publishers
1981	Varnadore H B	The Pacific Telephone and Telegraph Company
1976	Varnadore Horace B	R. L. Polk Co. Publishers
1970	Varnadore Horace B	R. L. Polk Co. Publishers
1965	Varnadore Horace B	R. L. Polk Co. Publishers
1961	Varnadore Horace	R. L. Polk Co., Publishers
1958	Stone Wesley R	R. L. Polk Co., Publishers

2595 GIFFEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MALDONADO Aesela	AT & T Yellow Pages
	Lucia	AT & T Yellow Pages

FINDINGS

2599 GIFFEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Nickel Fors Lucinda	Pacific Bell
1990	Nickel Fors Lucinda	R. L. Polk Co. Publishers
1987	Smith Darlene J	R. L. Polk Co. Publishers
1981	Anness Jeanne	The Pacific Telephone and Telegraph Company
	Anness Val	The Pacific Telephone and Telegraph Company
1976	Anness Val E	R. L. Polk Co. Publishers
1970	Anness Val E	R. L. Polk Co. Publishers
1965	Anness Val E	R. L. Polk Co. Publishers

2602 GIFFEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GIFFEN House	AT & T Yellow Pages
1990	Gillette Frank	R. L. Polk Co. Publishers
1987	Gillette Frank	R. L. Polk Co. Publishers
1981	Conley John	The Pacific Telephone and Telegraph Company
1976	Connelly Jessie	R. L. Polk Co. Publishers
1970	Soma Myrtle Mrs	R. L. Polk Co. Publishers
1965	Soma Myrtle Mrs	R. L. Polk Co. Publishers
1961	No return	R. L. Polk Co., Publishers
1958	Dennis Norval jr	R. L. Polk Co., Publishers

2604 GIFFEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Curry Charles	R. L. Polk Co. Publishers
1987	Curry Charles	R. L. Polk Co. Publishers
1976	Hutchens Patsy Mrs	R. L. Polk Co. Publishers
1970	Storrs Benj	R. L. Polk Co. Publishers
1965	Storrs Benj	R. L. Polk Co. Publishers
1961	Storrs Benj	R. L. Polk Co., Publishers
1958	Storrs Benj	R. L. Polk Co., Publishers

2610 GIFFEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Vacant	R. L. Polk Co. Publishers
	No Return	R. L. Polk Co. Publishers
1987	Lane Kevin	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Lanes Landscaping	R. L. Polk Co. Publishers
1976	Lezniak Ray	R. L. Polk Co. Publishers
1970	Mortensen Gerald W	R. L. Polk Co. Publishers
1965	Mortensen Gerald W	R. L. Polk Co. Publishers
1961	Mortensen Gerald W	R. L. Polk Co., Publishers
1958	Mortensen Gerald W	R. L. Polk Co., Publishers

2611 GIFFEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	Ramirez Roberto	R. L. Polk Co. Publishers
1981	Ramirez Eva	The Pacific Telephone and Telegraph Company
	Lagunas Taurino C	The Pacific Telephone and Telegraph Company
1970	Brunt Paulina Z Mrs	R. L. Polk Co. Publishers
1965	Brunt Pauline Z Mrs	R. L. Polk Co. Publishers
1961	Brunt Pauline Z Mrs	R. L. Polk Co., Publishers

2616 GIFFEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Pfiefer Lawrence C	R. L. Polk Co. Publishers
1987	Pfiefer Lawrence C	R. L. Polk Co. Publishers
1976	Ewing Erle E	R. L. Polk Co. Publishers
1970	Ewing Erie E	R. L. Polk Co. Publishers
1965	Ewing Erle E	R. L. Polk Co. Publishers
1961	Ewing Erle E	R. L. Polk Co., Publishers
1958	Ewing Earle E	R. L. Polk Co., Publishers

2620 GIFFEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1976	Anness Jesse A	R. L. Polk Co. Publishers
1970	Anness Jesse A	R. L. Polk Co. Publishers
1965	Anness Jesse A	R. L. Polk Co. Publishers

FINDINGS

Giffen Ave

2710 Giffen Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SONOMA BEVERAGE COMPANY LLC	EDR Digital Archive
	SONOMA BEVERAGE COMPANY LLC	EDR Digital Archive
	SONOMA BEVERAGE COMPANY LLC	EDR Digital Archive
	SONOMA BEVERAGE COMPANY LLC	EDR Digital Archive

GIFFEN AVE

2728 GIFFEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Rafiei Ben	Pacific Bell
1990	Hicks Peter A	R. L. Polk Co. Publishers
1987	Hicks Peter A	R. L. Polk Co. Publishers
1981	Dewey Dorthea J	The Pacific Telephone and Telegraph Company
	Dewey Edw	The Pacific Telephone and Telegraph Company
1976	Devys Bill	R. L. Polk Co. Publishers
1970	Peters Albert P	R. L. Polk Co. Publishers
1965	Lien Orley M	R. L. Polk Co. Publishers
1961	Lien Orley	R. L. Polk Co., Publishers
1958	Choquette Wallace	R. L. Polk Co., Publishers

2734 GIFFEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	Watson Wm	R. L. Polk Co. Publishers
1981	Woeltjen P L Celia	The Pacific Telephone and Telegraph Company
	Cella Christopher II	The Pacific Telephone and Telegraph Company
1976	Dewey Dorthea J Mrs	R. L. Polk Co. Publishers
1970	Rose Craig D	R. L. Polk Co. Publishers
1965	Hook Wm	R. L. Polk Co. Publishers
1961	Scott Guy	R. L. Polk Co., Publishers
1958	Burrows Harold G	R. L. Polk Co., Publishers

FINDINGS

2789 GIFFEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Optical Coating Laboratory Inc optical gds mfrs	R. L. Polk Co. Publishers
1987	gds mfrs	R. L. Polk Co. Publishers
	Optical Coating Laboratory Inc optical	R. L. Polk Co. Publishers
1981	Optical Coating Lab Inc	The Pacific Telephone and Telegraph Company
1976	gds mfrs	R. L. Polk Co. Publishers
	Optical Coating Laboratory Inc optical	R. L. Polk Co. Publishers
1970	gds mfrs	R. L. Polk Co. Publishers
	Optical Coating Laboratory Inc optical	R. L. Polk Co. Publishers
1965	Optical Coating Laby Inc	R. L. Polk Co. Publishers

Giffen Ave

2877 Giffen Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	GENERAL HYDROPONICS INC	EDR Digital Archive
	GENERAL HYDROPONICS INC	EDR Digital Archive

HARVEST

2727 HARVEST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	REID Alec	AT & T Yellow Pages

HARVEST LN

2715 HARVEST LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Annalise H	AT & T Yellow Pages
	MORRIS Allen	AT & T Yellow Pages
1990	Derricott	R. L. Polk Co. Publishers
1987	Derricott	R. L. Polk Co. Publishers

2727 HARVEST LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Santana James Real Estate Appraisals	AT & T Yellow Pages
	REID Alec	AT & T Yellow Pages
	Joseph	AT & T Yellow Pages
1990	Santana James	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	a Vacant	R. L. Polk Co. Publishers
1987	Hardaway H	R. L. Polk Co. Publishers
	a No Return	R. L. Polk Co. Publishers
1981	Hardaway Cheri L	The Pacific Telephone and Telegraph Company

JASMINE

514 JASMINE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ALBERS Bob & Joann	AT & T Yellow Pages

515 JASMINE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SWANGO Michael	AT & T Yellow Pages

543 JASMINE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ALONSOAmy	AT & T Yellow Pages

553 JASMINE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SB	AT & T Yellow Pages

572 JASMINE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	DEDRICK D	AT & T Yellow Pages

583 JASMINE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HUMPHREYAnne	AT & T Yellow Pages

JOSEPH

2424 JOSEPH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ITURRIE	AT & T Yellow Pages

2509 JOSEPH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	VARGAS Aida	AT & T Yellow Pages

FINDINGS

2516 JOSEPH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	REED Grover M	AT & T Yellow Pages

JOSEPH COURT AST

2405 JOSEPH COURT AST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Res	The Pacific Telephone and Telegraph Company
	Taylor Duane Hydro Logic Engineering Co	The Pacific Telephone and Telegraph Company

JOSEPH CT E

2401 JOSEPH CT E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Spitzer Ron & Rose	Pacific Bell

2404 JOSEPH CT E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Tatman W M	Pacific Bell

2425 JOSEPH CT E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	HARMONY ELECTRIC CO	Pacific Bell

JOSEPH CT W

2500 JOSEPH CT W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Avants Delbert L	The Pacific Telephone and Telegraph Company
	AVCO FINANCIAL SERVICES	The Pacific Telephone and Telegraph Company

Joseph Ct W

2504 Joseph Ct W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	OHALLORAN GENERAL ENGRG CONST	EDR Digital Archive
	OHALLORAN GENERAL ENGRG CONST	EDR Digital Archive

FINDINGS

KEEGAN

901 KEEGAN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HERRERA Adan Caishpal	AT & T Yellow Pages

962 KEEGAN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MANOS Brooke	AT & T Yellow Pages

KEEGAN DR

900 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Niebuhr Gene C	R. L. Polk Co. Publishers
1987	Niebuhr Gene C	R. L. Polk Co. Publishers

Keegan Dr

901 Keegan Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	HERRERA ADAN	EDR Digital Archive
	HERRERA ADAN	EDR Digital Archive

KEEGAN DR

901 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HERRERA Adan Caishpal	AT & T Yellow Pages
1994	Tedla Habtom	Pacific Bell
1990	Tedela Habtom	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

904 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Gaim Shimanugus	Pacific Bell
1990	Freitas Catherine	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

FINDINGS

Keegan Dr

905 Keegan Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	BOB HRUBY CONCRETE	EDR Digital Archive
	BOB HRUBY CONCRETE	EDR Digital Archive

KEEGAN DR

905 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Hruby Robt K	R. L. Polk Co. Publishers
1987	Hruby Robt K	R. L. Polk Co. Publishers

Keegan Dr

908 Keegan Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	YOUNG RICHARD A	EDR Digital Archive
	YOUNG RICHARD A	EDR Digital Archive
2010	YOUNG RICHARD A	EDR Digital Archive
	YOUNG RICHARD A	EDR Digital Archive

KEEGAN DR

908 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Smith Jeff	R. L. Polk Co. Publishers
1987	Johnson Debra J	R. L. Polk Co. Publishers

909 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Tolman Jerry R	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

912 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Herrguth Kenneth B	R. L. Polk Co. Publishers

FINDINGS

Keegan Dr

918 Keegan Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	GRUPO DESENTONO MUSICAL	EDR Digital Archive
	GRUPO DESENTONO MUSICAL	EDR Digital Archive

KEEGAN DR

918 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Elgin Reginold	R. L. Polk Co. Publishers

924 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Perry Daryl D	R. L. Polk Co. Publishers
1987	Giles	R. L. Polk Co. Publishers

930 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

936 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	Gentry Robt H	R. L. Polk Co. Publishers

940 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HUERTA Adalberto	AT & T Yellow Pages
1990	Clifton Leonard	R. L. Polk Co. Publishers
1987	Clifton Wes W	R. L. Polk Co. Publishers

946 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GONZALEZ Selfa	AT & T Yellow Pages
	Victor	AT & T Yellow Pages
1990	Clifton Leonard C	R. L. Polk Co. Publishers
1987	Flores Saml G	R. L. Polk Co. Publishers

FINDINGS

952 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Ramora Tomas	R. L. Polk Co. Publishers
1987	Smith Jeff	R. L. Polk Co. Publishers

958 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Burton Kenneth J	R. L. Polk Co. Publishers
1987	Burton Kevin T	R. L. Polk Co. Publishers

961 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	Mc Kalvine	R. L. Polk Co. Publishers

Keegan Dr

962 Keegan Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	MANOS JOSEPH J PSTR	EDR Digital Archive
	MANOS JOSEPH J PSTR	EDR Digital Archive

KEEGAN DR

962 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Joseph Jay Pastr & Brenda	AT & T Yellow Pages
	MANOS Brooke	AT & T Yellow Pages
1994	Manos Joseph Jay Pastr	Pacific Bell
	Brenda	Pacific Bell
1990	Farmham C J	R. L. Polk Co. Publishers
	KEEGAN DR Codd	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

965 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Patel Morris	R. L. Polk Co. Publishers
1987	Patel Morris	R. L. Polk Co. Publishers

FINDINGS

Keegan Dr

966 Keegan Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	ALFARO AUTO DETAIL	EDR Digital Archive
	ALFARO AUTO DETAIL	EDR Digital Archive

KEEGAN DR

966 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Glen Jas M S	R. L. Polk Co. Publishers
1987	Glen Jas M	R. L. Polk Co. Publishers

969 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Bishop Hazel E Mrs hair stylist	R. L. Polk Co. Publishers
	Bishop John B	R. L. Polk Co. Publishers
1987	Bishop John B	R. L. Polk Co. Publishers
	Bishop Hazel E Mrs hair stylist	R. L. Polk Co. Publishers

Keegan Dr

970 Keegan Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	COMPUTER REPAIR	EDR Digital Archive
	COMPUTER REPAIR	EDR Digital Archive

KEEGAN DR

970 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Juan Carlos	AT & T Yellow Pages
	CUENCA Frank L	AT & T Yellow Pages
1994	Cary Jim & Win	Pacific Bell
1990	Cary Jas W	R. L. Polk Co. Publishers
1987	Cary Jas W	R. L. Polk Co. Publishers

974 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	ALS ARTIST FRAMING	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

976 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Ingham Jack D O	R. L. Polk Co. Publishers

981 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	VICARIO Natividad	AT & T Yellow Pages
1994	Snyder Roger & Kathryn	Pacific Bell
1987	Schilling Gary	R. L. Polk Co. Publishers

982 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Bowers Ray L & May L	Pacific Bell
1990	Bowers Ray L	R. L. Polk Co. Publishers
1987	Bowers Ray L	R. L. Polk Co. Publishers

Keegan Dr

985 Keegan Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	WADE BILL	EDR Digital Archive
	WADE BILL	EDR Digital Archive
2010	WADE BILL	EDR Digital Archive
	WADE BILL	EDR Digital Archive

KEEGAN DR

985 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Jose	AT & T Yellow Pages
	Homero	AT & T Yellow Pages
	Graciela	AT & T Yellow Pages
	Ramiro	AT & T Yellow Pages
1994	Schilling Gary & Christine	Pacific Bell
1990	Schilling Gary	R. L. Polk Co. Publishers
1987	Adkins Ronald A	R. L. Polk Co. Publishers

FINDINGS

986 KEEGAN DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Barbara	AT & T Yellow Pages
	PETERSON A	AT & T Yellow Pages
1990	Peterson Robt R	R. L. Polk Co. Publishers
1987	Peterson Robt R	R. L. Polk Co. Publishers

KENMORE

922 KENMORE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CHAVEZ	AT & T Yellow Pages

1009 KENMORE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PORTER Dana M	AT & T Yellow Pages

KENMORE LN

918 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Maria	AT & T Yellow Pages
	TAPIA Abel	AT & T Yellow Pages
1994	Tapia Miguel	Pacific Bell
1990	No Return	R. L. Polk Co. Publishers
1987	Woodard L	R. L. Polk Co. Publishers
1981	Sheridan Thos & Penny	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers
1970	Willis Juanita Mrs	R. L. Polk Co. Publishers
1965	Vacant	R. L. Polk Co. Publishers
1961	Slipcevec Mehmed	R. L. Polk Co., Publishers

919 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Grannell Chuck & Correne	Pacific Bell
1990	Grannell Charles L	R. L. Polk Co. Publishers
1987	Grannell Charles L	R. L. Polk Co. Publishers
1976	Parks Harley D	R. L. Polk Co. Publishers
1970	Nickerson Donald W	R. L. Polk Co. Publishers
1965	Nickerson Donald W	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1961	Vacant	R. L. Polk Co., Publishers

922 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Leonardo	AT & T Yellow Pages
	CHAVEZ	AT & T Yellow Pages
1990	a Yasser Hani	R. L. Polk Co. Publishers
	Chavez Leonardo S	R. L. Polk Co. Publishers
1987	Chavez Leonardo S	R. L. Polk Co. Publishers
	a Yasser Hani	R. L. Polk Co. Publishers
1981	Robertson Construction	The Pacific Telephone and Telegraph Company
1976	Brownlee Royce	R. L. Polk Co. Publishers
1970	Wilson James D	R. L. Polk Co. Publishers
1965	Ehlert Frank L	R. L. Polk Co. Publishers
	Parker Dani D	R. L. Polk Co. Publishers
1961	Andrews Antone	R. L. Polk Co., Publishers
1958	Tunslall Hugh	R. L. Polk Co., Publishers

Kenmore Ln

925 Kenmore Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	T K HAULING	EDR Digital Archive
	T K HAULING	EDR Digital Archive

KENMORE LN

925 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Smith T L	Pacific Bell
1990	Smith Thomas L	R. L. Polk Co. Publishers
1987	Smith T L	R. L. Polk Co. Publishers
1981	Smith TO	The Pacific Telephone and Telegraph Company
	Smith TL	The Pacific Telephone and Telegraph Company
1976	Smith T L	R. L. Polk Co. Publishers
1970	Trautmann Adolf K	R. L. Polk Co. Publishers
1965	Tautmann Adolf K	R. L. Polk Co. Publishers
1961	Trautmann Adolf K	R. L. Polk Co., Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Trautmann Adolf	R. L. Polk Co., Publishers

930 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Ann Marie	AT & T Yellow Pages
	PAVLOS Andrew	AT & T Yellow Pages
1990	Butler J	R. L. Polk Co. Publishers
1987	Butler J	R. L. Polk Co. Publishers
1976	Butler James E	R. L. Polk Co. Publishers
1970	Nichols Henry W	R. L. Polk Co. Publishers
1965	Parker Albert A	R. L. Polk Co. Publishers
1958	Newton F Keith	R. L. Polk Co., Publishers

931 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Lindsay Carl	R. L. Polk Co. Publishers
1987	Lindsay Carl	R. L. Polk Co. Publishers
1976	No Return	R. L. Polk Co. Publishers
1970	Tidwell Julia Mrs	R. L. Polk Co. Publishers
1965	Tidwell Otis C	R. L. Polk Co. Publishers
1961	Tidwell Otis C	R. L. Polk Co., Publishers
1958	Tidwell Otis C	R. L. Polk Co., Publishers

932 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Newton Keith & Del	Pacific Bell
1990	Newton F Keith	R. L. Polk Co. Publishers
1987	Newton F Keith	R. L. Polk Co. Publishers
1981	Newton Keith & Del	The Pacific Telephone and Telegraph Company
1976	Newton F Keith	R. L. Polk Co. Publishers
1970	Newton F Keith	R. L. Polk Co. Publishers
1965	Newton F Keith	R. L. Polk Co. Publishers
1961	Newton F Keith	R. L. Polk Co., Publishers

936 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Metz Larry & Susan	Pacific Bell
1990	Metz Larry M	R. L. Polk Co. Publishers
1987	Metz Larry M	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Ochoa Ruben V	R. L. Polk Co. Publishers
1970	Millard Wilson H	R. L. Polk Co. Publishers
1965	Millard Wilson H	R. L. Polk Co. Publishers
1961	Stevens Paul	R. L. Polk Co., Publishers

Kenmore Ln

942 Kenmore Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	METZCO CONSTRUCTION	EDR Digital Archive
	METZCO CONSTRUCTION	EDR Digital Archive
2010	METZCO CONSTRUCTION	EDR Digital Archive
	METZCO CONSTRUCTION	EDR Digital Archive

KENMORE LN

942 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	EVERETT J	AT & T Yellow Pages
1990	No Return	R. L. Polk Co. Publishers
1987	Bastone Ron F	R. L. Polk Co. Publishers
1976	Pacheco Mervin P	R. L. Polk Co. Publishers
1970	Pacheco Mervin P	R. L. Polk Co. Publishers
1965	Pacheco Mervin P	R. L. Polk Co. Publishers
1961	Pacheco Mervin P	R. L. Polk Co., Publishers
1958	Pacheco Mervin P	R. L. Polk Co., Publishers

943 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GARCIA Enrlque R	AT & T Yellow Pages
	Esther Z	AT & T Yellow Pages
1990	Buckingham Wm	R. L. Polk Co. Publishers
1987	Buckingham Wm	R. L. Polk Co. Publishers
1976	Vacant	R. L. Polk Co. Publishers
1970	Westermeyer Anthony F	R. L. Polk Co. Publishers
1965	Westermeyer Anthony	R. L. Polk Co. Publishers
1961	Richards Theo	R. L. Polk Co., Publishers
1958	Richards Theo	R. L. Polk Co., Publishers

FINDINGS

Kenmore Ln

946 Kenmore Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	NO PROBLEM AUTO REPAIR	EDR Digital Archive
	NO PROBLEM AUTO REPAIR	EDR Digital Archive

KENMORE LN

948 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	ODell David E	R. L. Polk Co. Publishers
1987	ODell David E	R. L. Polk Co. Publishers
1981	Parsons Chris	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers
1970	Boglio Matteo	R. L. Polk Co. Publishers
1965	Boglio Maiteo	R. L. Polk Co. Publishers
1961	Boglio Matteo	R. L. Polk Co., Publishers
1958	Boglio Matteo	R. L. Polk Co., Publishers

953 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No eturn	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers
1981	Gorski Mike	The Pacific Telephone and Telegraph Company
	Gorski Mike	The Pacific Telephone and Telegraph Company
	Gorski Harold H	The Pacific Telephone and Telegraph Company
1976	Gorski Harold H	R. L. Polk Co. Publishers
1970	No Return	R. L. Polk Co. Publishers
1965	Gorsline Jas M	R. L. Polk Co. Publishers
1961	Vacant	R. L. Polk Co., Publishers
1958	Tomlinson Sylan R	R. L. Polk Co., Publishers

Kenmore Ln

956 Kenmore Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	AMENDOLA DOMINIQUE	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	AMENDOLA DOMINIQUE	EDR Digital Archive

KENMORE LN

956 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	James & Dominique	AT & T Yellow Pages
	NEWSOM Curtis & Cindy	AT & T Yellow Pages

961 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	Adams Keith	R. L. Polk Co. Publishers
1965	Mitchell Chas H	R. L. Polk Co. Publishers
1961	Mitchell Chas H	R. L. Polk Co., Publishers

964 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Springett Roger & Marion	Pacific Bell
1990	Almneraz Fidencio T	R. L. Polk Co. Publishers
	Marionetts Poodle Parlor	R. L. Polk Co. Publishers
1987	Springett Roger A	R. L. Polk Co. Publishers
	Marionetts Poodle Parlor	R. L. Polk Co. Publishers
1981	Springett Roger A	The Pacific Telephone and Telegraph Company
	Marionetts Poodle Clipping Service	The Pacific Telephone and Telegraph Company
1976	Springett Roger A	R. L. Polk Co. Publishers
	Marionettes Poodle Clipping Service	R. L. Polk Co. Publishers
1970	Springett Roger A	R. L. Polk Co. Publishers
	Trailer Gas & Service	R. L. Polk Co. Publishers
	Marionettes Poodle Clipping Service	R. L. Polk Co. Publishers
1965	Spriagett Roerr A	R. L. Polk Co. Publishers
	Trailer 3 Gas & Serv	R. L. Polk Co. Publishers
	Serv 542 S	R. L. Polk Co. Publishers
	Marionettes Poodle Clipping	R. L. Polk Co. Publishers
1961	Springett Roger A	R. L. Polk Co., Publishers
1958	Springett Roger A	R. L. Polk Co., Publishers

FINDINGS

965 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Davis Danr L	R. L. Polk Co. Publishers
1987	Davis Dani L	R. L. Polk Co. Publishers
1976	Walters Ida N Mrs	R. L. Polk Co. Publishers
1970	Walters Ida N Mrs	R. L. Polk Co. Publishers
1965	Walters da N Mrs	R. L. Polk Co. Publishers
1961	Walters Geo D	R. L. Polk Co., Publishers
1958	Walters Geo D	R. L. Polk Co., Publishers

969 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Steinocher Daniel	Pacific Bell
1990	Steinocher Dani G investor	R. L. Polk Co. Publishers
1987	Steinocher Dani G	R. L. Polk Co. Publishers
1981	Steinocher Daniel	The Pacific Telephone and Telegraph Company
1976	Steinocher Dani	R. L. Polk Co. Publishers
1970	Steinocher Danl	R. L. Polk Co. Publishers
1965	Vacant	R. L. Polk Co. Publishers
	Spriagett Roerr A	R. L. Polk Co. Publishers
1961	Lawler Frank J	R. L. Polk Co., Publishers
1958	Lawler Frank J	R. L. Polk Co., Publishers

975 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ESPINOZA A	AT & T Yellow Pages
	Emilio	AT & T Yellow Pages
	COTA Arlene E	AT & T Yellow Pages
1994	Espinosa Emilio	Pacific Bell
1990	Espinosa Emilio E	R. L. Polk Co. Publishers
1987	Espinosa Emilio E	R. L. Polk Co. Publishers
1981	Ofc	The Pacific Telephone and Telegraph Company
	M A Concrete	The Pacific Telephone and Telegraph Company
	Espinosa Corinne	The Pacific Telephone and Telegraph Company
1976	Espinosa Eulene E	R. L. Polk Co. Publishers
1970	Homes Guy R	R. L. Polk Co. Publishers
1965	Givler Lois I Mrs	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1961	Homes Betty L	R. L. Polk Co., Publishers
1958	Homes Georgia Mrs	R. L. Polk Co., Publishers

979 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Lucas Carson A	R. L. Polk Co. Publishers

980 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Delpalacio Edwardo	R. L. Polk Co. Publishers
1987	Delpalacio Edwardo	R. L. Polk Co. Publishers
1976	Slye Michl G	R. L. Polk Co. Publishers
1970	Moore Earl F	R. L. Polk Co. Publishers
1965	Moore Earl F	R. L. Polk Co. Publishers
1961	Moore Earl F	R. L. Polk Co., Publishers
1958	Moore Earl F	R. L. Polk Co., Publishers

Kenmore Ln

987 Kenmore Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	CAPITAL EQUIPMENT SOURCES	EDR Digital Archive
	CAPITAL EQUIPMENT SOURCES	EDR Digital Archive

KENMORE LN

987 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Capital Equipment Sources	AT & T Yellow Pages
1990	Garcia Josephine M Mrs	R. L. Polk Co. Publishers
	Rear Moore Joe	R. L. Polk Co. Publishers
1987	Garcia Josephine M Mrs	R. L. Polk Co. Publishers
	Rear Moore Vickie	R. L. Polk Co. Publishers
1981	Garcia Alex A	The Pacific Telephone and Telegraph Company
	Garcia Josephine	The Pacific Telephone and Telegraph Company
1976	Garcia Josephine M Mrs	R. L. Polk Co. Publishers
	Rear Vacant	R. L. Polk Co. Publishers
1970	Garcia Julius C	R. L. Polk Co. Publishers
1965	Garcia Julius C	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1961	Reese Robt J	R. L. Polk Co., Publishers
	Vacant	R. L. Polk Co., Publishers
1958	Reese Rcbt J	R. L. Polk Co., Publishers
	Reese Lola M Mrs	R. L. Polk Co., Publishers

988 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	LAW OFFICE	Pacific Bell
	ROSELAND COMMUNITY	Pacific Bell
1990	Gable Peter	R. L. Polk Co. Publishers
1987	Gable Peter	R. L. Polk Co. Publishers
1976	Vurek Michl	R. L. Polk Co. Publishers
1970	Sizemore Olive O Mrs	R. L. Polk Co. Publishers
1965	Sizemore Olive D Mrs	R. L. Polk Co. Publishers
1961	Sizemore Olive D Mrs	R. L. Polk Co., Publishers
1958	Sizemore Olive D Mrs	R. L. Polk Co., Publishers

991 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Temawr Tim	R. L. Polk Co. Publishers
1965	Taylor Etta E Mrs	R. L. Polk Co. Publishers

992 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Turkel Marni	R. L. Polk Co. Publishers
1987	Turkel Marni	R. L. Polk Co. Publishers
1976	Vacant	R. L. Polk Co. Publishers
1970	Diac Marco	R. L. Polk Co. Publishers
1961	Smith Dewey F	R. L. Polk Co., Publishers
1958	Vailes Septic Tank Serv	R. L. Polk Co., Publishers
	Vailes Harold R	R. L. Polk Co., Publishers
	Perley Lorraine C Mrs	R. L. Polk Co., Publishers

1006 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Russ Frank D	R. L. Polk Co. Publishers
1987	Russ Frank D	R. L. Polk Co. Publishers
1976	Russ Frank D	R. L. Polk Co. Publishers
1970	Russ Frank D	R. L. Polk Co. Publishers
1965	Russ Frank D	R. L. Polk Co. Publishers

FINDINGS

1009 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	John	AT & T Yellow Pages
	WORSLEY H	AT & T Yellow Pages
	I Robt	AT & T Yellow Pages
	PORTER Dana M	AT & T Yellow Pages
1994	Porter Robt L	Pacific Bell
1990	Porter Robt L	R. L. Polk Co. Publishers
1987	Porter Robt L	R. L. Polk Co. Publishers
1981	Porter Robt S	The Pacific Telephone and Telegraph Company
	Porter Robt L	The Pacific Telephone and Telegraph Company
1976	Porter Robt L	R. L. Polk Co. Publishers
	OFlaherty Dennis P	R. L. Polk Co. Publishers
1970	No Return	R. L. Polk Co. Publishers
	Stuter Douglas L	R. L. Polk Co. Publishers
1965	k Abernathy Richd D	R. L. Polk Co. Publishers
	Scott Odis J	R. L. Polk Co. Publishers
1961	Vacant	R. L. Polk Co., Publishers
	Scott Odis J	R. L. Polk Co., Publishers
1958	Fauceet Margt N Mrs	R. L. Polk Co., Publishers
	Scott Odis J	R. L. Polk Co., Publishers

1014 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Nystrom Gary	R. L. Polk Co. Publishers
1987	Nystrom Gary	R. L. Polk Co. Publishers
1981	Jones Joni D	The Pacific Telephone and Telegraph Company
1976	Doyle Alf V	R. L. Polk Co. Publishers
1970	Doyle Alf V	R. L. Polk Co. Publishers
1965	Doyle Alf V	R. L. Polk Co. Publishers
1961	Shubin Pauline Mrs	R. L. Polk Co., Publishers
1958	Cooper Shirley M	R. L. Polk Co., Publishers

Kenmore Ln

1019 Kenmore Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ASSOCIATES LANDSCAPING	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ASSOCIATES LANDSCAPING	EDR Digital Archive
2010	ASSOCIATES LANDSCAPING	EDR Digital Archive
	ASSOCIATES LANDSCAPING	EDR Digital Archive

KENMORE LN

1019 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Boettner Robt W	R. L. Polk Co. Publishers
1987	Boettner Robt W	R. L. Polk Co. Publishers
1976	Aust Brad	R. L. Polk Co. Publishers
1970	Tarvin Faye L	R. L. Polk Co. Publishers
1965	Tarvin Faye L	R. L. Polk Co. Publishers
1961	Tarvin Faye L	R. L. Polk Co., Publishers
1958	Tarun Paye L	R. L. Polk Co., Publishers

1021 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Ness Robt H	Pacific Bell
1990	Ness Robt H	R. L. Polk Co. Publishers
1987	Ness Robt H	R. L. Polk Co. Publishers
1981	Nessinger Albert & Josie	The Pacific Telephone and Telegraph Company
	Nessel Dorothy.....	The Pacific Telephone and Telegraph Company
	i Ness Robt H	The Pacific Telephone and Telegraph Company
	Ness Robt E.....	The Pacific Telephone and Telegraph Company
1976	Jackson Roger	R. L. Polk Co. Publishers
1970	Zimmerman David	R. L. Polk Co. Publishers
1965	Washburn Ronald A	R. L. Polk Co. Publishers
1961	Vacant	R. L. Polk Co., Publishers
1958	Stierna Kenneth A	R. L. Polk Co., Publishers

1022 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Nix S	Pacific Bell
1990	Nix Sherry	R. L. Polk Co. Publishers
1987	Nix Sherry	R. L. Polk Co. Publishers
1976	Walker Earl J	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Walker Earl J	R. L. Polk Co. Publishers
1965	Vacant	R. L. Polk Co. Publishers
1961	Hess Wm L	R. L. Polk Co., Publishers
1958	Rowe Chas E	R. L. Polk Co., Publishers

1025 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Lambertz H M	Pacific Bell
1990	Lambert Jerome L	R. L. Polk Co. Publishers
	Lambert Jerome L Constn	R. L. Polk Co. Publishers
1987	Lambert H M	R. L. Polk Co. Publishers
1981	Lambertz H M	The Pacific Telephone and Telegraph Company
1976	Taylor Janet Mrs	R. L. Polk Co. Publishers
1970	Rollag Norman	R. L. Polk Co. Publishers
1965	Rollag Norman	R. L. Polk Co. Publishers
1961	Vacant	R. L. Polk Co., Publishers
1958	Boucher Edna Mrs	R. L. Polk Co., Publishers

1030 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Farsworth Mildred C	R. L. Polk Co. Publishers
1987	Farnsworth Mildred C	R. L. Polk Co. Publishers
1976	Flynn Lora L	R. L. Polk Co. Publishers
1970	Flynn Lora L	R. L. Polk Co. Publishers
1965	Flynn Lora L	R. L. Polk Co. Publishers
1961	Flynn Lora L	R. L. Polk Co., Publishers
1958	Flynn Lora L	R. L. Polk Co., Publishers

1035 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GARCIA A	AT & T Yellow Pages
	Antonio	AT & T Yellow Pages
	OJEDA LUNA JESUS	AT & T Yellow Pages
1990	Jackson Roger W	R. L. Polk Co. Publishers
1987	Jackson Roger W	R. L. Polk Co. Publishers
1981	Brooks Nelson David & Laura	The Pacific Telephone and Telegraph Company
	Brooks Nelson L	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Smith Hannah L Mrs	R. L. Polk Co. Publishers
1965	Smith Hannah L Mrs	R. L. Polk Co. Publishers
1961	Smith Hannah L Mrs	R. L. Polk Co., Publishers
1958	Smith Hannah L Mrs	R. L. Polk Co., Publishers

1038 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	Blackwell Willard	R. L. Polk Co. Publishers
1981	Blackwelf Willard	The Pacific Telephone and Telegraph Company
1976	Uchytel Thos	R. L. Polk Co. Publishers
1970	Uchytel Thos	R. L. Polk Co. Publishers
1965	Uchytel Thos	R. L. Polk Co. Publishers
1961	Uchytel Thos	R. L. Polk Co., Publishers
1958	Uchytel Thos	R. L. Polk Co., Publishers

1046 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Gonzalo Ruiz	AT & T Yellow Pages
	DIAZ Gilbert	AT & T Yellow Pages
1990	No Return	R. L. Polk Co. Publishers
1987	Woitke Richd	R. L. Polk Co. Publishers
1981	Patch K	The Pacific Telephone and Telegraph Company
	Patchen Roy R	The Pacific Telephone and Telegraph Company
	Woitke Richard	The Pacific Telephone and Telegraph Company
1976	Woitke Richd T	R. L. Polk Co. Publishers
1970	Vacant	R. L. Polk Co. Publishers
1965	Woitke Richd P	R. L. Polk Co. Publishers
1961	Woitke Richd P	R. L. Polk Co., Publishers
1958	Woitke Riohd P	R. L. Polk Co., Publishers

Kenmore Ln

1047 Kenmore Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	STEPHEN SALLEE PAINTING	EDR Digital Archive
	STEPHEN SALLEE PAINTING	EDR Digital Archive

FINDINGS

KENMORE LN

1047 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Ochoa Celeste	R. L. Polk Co. Publishers
1987	Ochoa Celeste	R. L. Polk Co. Publishers
1976	No Return	R. L. Polk Co. Publishers
1970	Snow Robt	R. L. Polk Co. Publishers
1965	Brooner Raymond J	R. L. Polk Co. Publishers
1961	Tiedeman Ralph M	R. L. Polk Co., Publishers
1958	Tiedeman Ralph M	R. L. Polk Co., Publishers

1052 KENMORE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Lorenzo	AT & T Yellow Pages
	MADRID Charles	AT & T Yellow Pages
1994	Simonitch Jas C	Pacific Bell
1990	Simonitch James	R. L. Polk Co. Publishers
1987	Simonitch James	R. L. Polk Co. Publishers
1976	Tarkhanian Antoinette Mrs	R. L. Polk Co. Publishers
1970	Tarkhanian John G	R. L. Polk Co. Publishers
1965	Tarkhanian John G	R. L. Polk Co. Publishers
1961	Tarkhanian John G	R. L. Polk Co., Publishers
1958	Vacant	R. L. Polk Co., Publishers

LAUREL GROVE

404 LAUREL GROVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BROWN Patricia	AT & T Yellow Pages
	BROWN Patricia	AT & T Yellow Pages
	BROWN Patricia	AT & T Yellow Pages

511 LAUREL GROVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	JENSEN Alan D	AT & T Yellow Pages
	JENSEN Alan D	AT & T Yellow Pages

516 LAUREL GROVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SUDDUTH A & K	AT & T Yellow Pages

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SUDDUTH A & K	AT & T Yellow Pages

518 LAUREL GROVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	AUBERT A & I	AT & T Yellow Pages

578 LAUREL GROVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	DEMPSEY Andrew & Nicola	AT & T Yellow Pages
	DEMPSEY Andrew & Nicola	AT & T Yellow Pages
	DEMPSEY Andrew & Nicola	AT & T Yellow Pages

611 LAUREL GROVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CAMERON Gordon	AT & T Yellow Pages

640 LAUREL GROVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MEEKS Andrea & Kelvin	AT & T Yellow Pages

651 LAUREL GROVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	APICELLA Agnes M	AT & T Yellow Pages

LAUREL GROVE CIR

404 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BROWN Patricia	AT & T Yellow Pages
	Snawn	AT & T Yellow Pages

481 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TIRK Lori	AT & T Yellow Pages

Laurel Grove Cir

489 Laurel Grove Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MY SISTERS HEART LLC	EDR Digital Archive
	MY SISTERS HEART LLC	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	MY SISTERS HEART LLC	EDR Digital Archive
	MY SISTERS HEART LLC	EDR Digital Archive

LAUREL GROVE CIR

511 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Chad E	AT & T Yellow Pages
	JENSEN Alan D	AT & T Yellow Pages

Laurel Grove Cir

512 Laurel Grove Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	AUDIOLOGY CONSULTING SVCS INC	EDR Digital Archive
	AUDIOLOGY CONSULTING SVCS INC	EDR Digital Archive
2010	AUDIOLOGY CONSULTING SVCS INC	EDR Digital Archive
	AUDIOLOGY CONSULTING SVCS INC	EDR Digital Archive

515 Laurel Grove Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	ROMAN KOMUNYTSKY	EDR Digital Archive
	ROMAN KOMUNYTSKY	EDR Digital Archive

LAUREL GROVE CIR

516 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SUDA Pat	AT & T Yellow Pages

Laurel Grove Cir

517 Laurel Grove Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	COTATI COSMETICS	EDR Digital Archive
	COTATI COSMETICS	EDR Digital Archive

FINDINGS

LAUREL GROVE CIR

517 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Cotati Cosmetics	AT & T Yellow Pages

518 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Paul	AT & T Yellow Pages
	AUBERT A & I	AT & T Yellow Pages
	Paul	AT & T Yellow Pages
	AUBERT A & I	AT & T Yellow Pages

519 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	John	AT & T Yellow Pages
	Carmnien	AT & T Yellow Pages

Laurel Grove Cir

520 Laurel Grove Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	MARTINEZ HOMERO G	EDR Digital Archive
	MARTINEZ HOMERO G	EDR Digital Archive

LAUREL GROVE CIR

520 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Justin	AT & T Yellow Pages
	BEASLABuljinder	AT & T Yellow Pages

Laurel Grove Cir

573 Laurel Grove Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	A AUSTIN AMERINE RETREAT CTR	EDR Digital Archive
	A AUSTIN AMERINE RETREAT CTR	EDR Digital Archive

FINDINGS

LAUREL GROVE CIR

578 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	DEMPSEY Andrew & Nicola	AT & T Yellow Pages
	Marl	AT & T Yellow Pages
	M	AT & T Yellow Pages
	DEMPSEY Andrew & Nicola	AT & T Yellow Pages

587 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PRESLEY Diane	AT & T Yellow Pages
	Louis	AT & T Yellow Pages

Laurel Grove Cir

589 Laurel Grove Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	HAVE NOTARY WILL TRAVEL	EDR Digital Archive
	HAVE NOTARY WILL TRAVEL	EDR Digital Archive

LAUREL GROVE CIR

596 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Sara	AT & T Yellow Pages

611 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Joy	AT & T Yellow Pages
	CAMERON Gordon	AT & T Yellow Pages

636 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PROTASSIEFF Nick	AT & T Yellow Pages

638 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Mark	AT & T Yellow Pages
	PETRUCCI Alfred	AT & T Yellow Pages

FINDINGS

640 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Carter	AT & T Yellow Pages
	MEEKS Andrea & Kelvin	AT & T Yellow Pages

651 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	APICELLA Agnes M	AT & T Yellow Pages

652 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MUKUZE Gloria	AT & T Yellow Pages

661 LAUREL GROVE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BENEDICT Diana S	AT & T Yellow Pages

Lazzini Ave

2017 Lazzini Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	BENECCHETTI DONNA	EDR Digital Archive
	BENECCHETTI DONNA	EDR Digital Archive

2033 Lazzini Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MAYO CONSTRUCTION	EDR Digital Archive
	MAYO CONSTRUCTION	EDR Digital Archive
2010	MAYO CONSTRUCTION	EDR Digital Archive
	MAYO CONSTRUCTION	EDR Digital Archive

Leisure Park Cir

24 Leisure Park Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	YTB	EDR Digital Archive
	YTB	EDR Digital Archive
2010	SAGER VENTURES	EDR Digital Archive
	YTB	EDR Digital Archive
	SAGER VENTURES	EDR Digital Archive
	YTB	EDR Digital Archive

FINDINGS

28 Leisure Park Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	RINWOOD HOMES INC	EDR Digital Archive
	RINWOOD HOMES INC	EDR Digital Archive
2010	RINWOOD HOMES INC	EDR Digital Archive
	RINWOOD HOMES INC	EDR Digital Archive

35 Leisure Park Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	PERSONAL NUTRITION CARE & RESR	EDR Digital Archive
	PERSONAL NUTRITION CARE & RESR	EDR Digital Archive

44 Leisure Park Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MC MOTORCYCLE TRANSPORT	EDR Digital Archive
	MC MOTORCYCLE TRANSPORT	EDR Digital Archive

47 Leisure Park Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	CLEAN IMAGE JANITORIAL SERVICE	EDR Digital Archive
	CLEAN IMAGE JANITORIAL SERVICE	EDR Digital Archive

LOMBARDI

1089 LOMBARDI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	KRISTENSEN Matthew	AT & T Yellow Pages

1143 LOMBARDI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MILLER N	AT & T Yellow Pages
	MILLER N	AT & T Yellow Pages

1170 LOMBARDI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BOTAI	AT & T Yellow Pages

1177 LOMBARDI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MCCARTHY Andrew & Barbara	AT & T Yellow Pages
	MCCARTHY Andrew & Barbara	AT & T Yellow Pages
	MCCARTHY Andrew & Barbara	AT & T Yellow Pages

FINDINGS

1217 LOMBARDI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SANCHEZ Alex	AT & T Yellow Pages

1224 LOMBARDI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SHONBRUN Will	AT & T Yellow Pages
	SHONBRUN Will	AT & T Yellow Pages

1232 LOMBARDI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Beatriz	AT & T Yellow Pages
	Beatriz	AT & T Yellow Pages

1241 LOMBARDI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Flores	AT & T Yellow Pages

1244 LOMBARDI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	T J	AT & T Yellow Pages
	T J	AT & T Yellow Pages
	T J	AT & T Yellow Pages

1249 LOMBARDI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LARMAN Dennis	AT & T Yellow Pages
	LARMAN Dennis	AT & T Yellow Pages

1269 LOMBARDI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	THOMPSON Jas K	AT & T Yellow Pages

1301 LOMBARDI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	QUAN Atherton	AT & T Yellow Pages
	QUAN Atherton	AT & T Yellow Pages
	QUAN Atherton	AT & T Yellow Pages
	QUAN Atherton	AT & T Yellow Pages
	QUAN Atherton	AT & T Yellow Pages

FINDINGS

1309 LOMBARDI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	DIENER Justin	AT & T Yellow Pages

Lombardi Ct

700 Lombardi Ct

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	AMERICAN MINI STORAGE	EDR Digital Archive
	SOUTHPOINT SELF STORAGE INC	EDR Digital Archive
	AMERICAN MINI STORAGE	EDR Digital Archive
	SOUTHPOINT SELF STORAGE INC	EDR Digital Archive
2010	SOUTHPOINT SELF STORAGE INC	EDR Digital Archive
	AMERICAN MINI STORAGE	EDR Digital Archive
	AMERICAN MINI STORAGE	EDR Digital Archive
	SOUTHPOINT SELF STORAGE INC	EDR Digital Archive

LOMBARDI CT

700 LOMBARDI CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	American Mini Storage	AT & T Yellow Pages
1994	Manuel Donald	Pacific Bell
	AMERICAN MINI STORAGE	Pacific Bell
1990	American Mini Storage	R. L. Polk Co. Publishers
1987	American Mini Storage	R. L. Polk Co. Publishers

701 LOMBARDI CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Vacant	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers

Lombardi Ct

751 Lombardi Ct

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	GREENBERG DAVID H	EDR Digital Archive
	SANTA ROSA MEMORIAL HOSPITAL	EDR Digital Archive
	SANTA ROSA MEMORIAL HOSPITAL	EDR Digital Archive
	GREENBERG DAVID H	EDR Digital Archive
2010	FAMILY SERVICE AGENCY	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	FAMILY SVC AGCY SNOMA CNTY INC	EDR Digital Archive
	HUNTER LABORATORIES	EDR Digital Archive
	BIRTH CTRL SUTHWEST CMNTY HLTH	EDR Digital Archive
	SANTA ROSA MEMORIAL HOSPITAL	EDR Digital Archive
	ST JOSEPH MOBILE HEALTH CLINIC	EDR Digital Archive
	CULTIVANDO LASALUD CULTIVATING	EDR Digital Archive
	SOUTHWEST COMMUNITY HEALTH CTR	EDR Digital Archive
	HUNTER LABORATORIES	EDR Digital Archive
	SANTA ROSA MEMORIAL HOSPITAL	EDR Digital Archive
	ST JOSEPH MOBILE HEALTH CLINIC	EDR Digital Archive
	BIRTH CTRL SUTHWEST CMNTY HLTH	EDR Digital Archive
	CULTIVANDO LASALUD CULTIVATING	EDR Digital Archive
	SOUTHWEST COMMUNITY HEALTH CTR	EDR Digital Archive
	FAMILY SERVICE AGENCY	EDR Digital Archive
	FAMILY SVC AGCY SNOMA CNTY INC	EDR Digital Archive

LOMBARDI CT

751 LOMBARDI CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HealthSystem Sonoma	AT & T Yellow Pages
	System Sonoma County	AT & T Yellow Pages
	Cultivando la Salud Cultivating Health Mobile Dental Clinic	AT & T Yellow Pages
	Family And Community Counseling Services	AT & T Yellow Pages
	FAMILY SERVICE AGENCY OF SONOMA COUNTY	AT & T Yellow Pages
	ST JOSEPH CATHOLIC CHURCH	AT & T Yellow Pages
	ST JOSEPH URGENT CARE CENTERS	AT & T Yellow Pages
	ST JOSEPH MOBILE HEALTH CLINIC	AT & T Yellow Pages
	ST JOSEPH DENTAL CLINIC	AT & T Yellow Pages

761 LOMBARDI CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Finite Engineering Inc	R. L. Polk Co. Publishers

FINDINGS

Lombardi Ct

789 Lombardi Ct

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MOORE HEATING & AC	EDR Digital Archive
	MINUTIAE MEN INC	EDR Digital Archive
	MOORE HEATING & AC	EDR Digital Archive
	MINUTIAE MEN INC	EDR Digital Archive
2010	MINUTIAE MEN INC	EDR Digital Archive
	MINUTIAE MEN INC	EDR Digital Archive

LOMBARDI CT

789 LOMBARDI CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Building	Pacific Bell
	201 MECMESIN INC	Pacific Bell
	202 SPECIAL T FIRE	Pacific Bell
	EQUIPMENT INC	Pacific Bell
	208 MARATHON RUNNER	Pacific Bell
	COURIER SERVICE INC	Pacific Bell

Lombardi Ct

791 Lombardi Ct

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	FITNESS PARTNERS INC	EDR Digital Archive
	PROMISE CENTER INC	EDR Digital Archive
	ACOSTA SILVIO	EDR Digital Archive
	FITNESS PARTNERS INC	EDR Digital Archive
	PROMISE CENTER INC	EDR Digital Archive
	ACOSTA SILVIO	EDR Digital Archive
2010	PROMISE CENTER INC	EDR Digital Archive
	ACOSTA SILVIO	EDR Digital Archive
	FITNESS PARTNERS INC	EDR Digital Archive
	SONOMA COUNTY INDIAN HEALTH	EDR Digital Archive
	PROMISE CENTER INC	EDR Digital Archive
	ACOSTA SILVIO	EDR Digital Archive
	FITNESS PARTNERS INC	EDR Digital Archive
	SONOMA COUNTY INDIAN HEALTH	EDR Digital Archive

FINDINGS

LOMBARDI CT

791 LOMBARDI CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	The Promise center	AT & T Yellow Pages
1994	Building	Pacific Bell
	109 STRUCTURAL TESTING	Pacific Bell
	HEALTH PROJECT	Pacific Bell
	SONOMA COUNTY INDIAN	Pacific Bell
1990	Eastman Company	R. L. Polk Co. Publishers

LOMBARDI LN

1079 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ESQUIVIAS Carmen HDe	AT & T Yellow Pages

1083 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Grist Merrill L	Pacific Bell

1089 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HEIDT Phillip Mr & Mrs	AT & T Yellow Pages
	KRISTENSAN Torben	AT & T Yellow Pages
1994	Ridenour Dale & Esther	Pacific Bell

1101 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Rowbotham Elma I Mrs	R. L. Polk Co. Publishers
1987	Rowbotham Elma I Mrs	R. L. Polk Co. Publishers

1115 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Dorsey Tom	R. L. Polk Co. Publishers
1987	Dorsey Tom	R. L. Polk Co. Publishers

1129 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Dykstra Richd J	R. L. Polk Co. Publishers
1987	Dykstra Richd J	R. L. Polk Co. Publishers

FINDINGS

1143 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MILLER N	AT & T Yellow Pages
	Sheila	AT & T Yellow Pages
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

1157 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Sirota Lynne P	R. L. Polk Co. Publishers
1987	Sirota Lynne P	R. L. Polk Co. Publishers

1175 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	AVALOS A Elias	AT & T Yellow Pages
	Aricel	AT & T Yellow Pages
1990	Tucker Brian C	R. L. Polk Co. Publishers
1987	Tucker Brian C	R. L. Polk Co. Publishers

Lombardi Ln

1200 Lombardi Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	DYNAMIC DUO TRAINING LLC	EDR Digital Archive
	DYNAMIC DUO TRAINING LLC	EDR Digital Archive

LOMBARDI LN

1200 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Martinez Miguel	R. L. Polk Co. Publishers
1987	Martinez Nicholas M	R. L. Polk Co. Publishers
1981	Martinez Miguel	The Pacific Telephone and Telegraph Company
1976	Martinez Miguel	R. L. Polk Co. Publishers

1201 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Vacant	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers

FINDINGS

1204 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Hill Frank P	R. L. Polk Co. Publishers
1987	Hill Frank	R. L. Polk Co. Publishers
1976	Hill Frank	R. L. Polk Co. Publishers

1205 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Haugen J R O	R. L. Polk Co. Publishers
1987	Haugen J R	R. L. Polk Co. Publishers

1208 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	REPP JOS R	AT & T Yellow Pages
	Robin D	AT & T Yellow Pages
	REPP JOS R	AT & T Yellow Pages
1994	Repp Jos R	Pacific Bell
1990	Repp Joseph	R. L. Polk Co. Publishers
1987	Repp Joseph	R. L. Polk Co. Publishers
1981	Repp Jos R	The Pacific Telephone and Telegraph Company
1976	Hoback Roger	R. L. Polk Co. Publishers

1209 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Vacant	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers

1212 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Parker Michi F	R. L. Polk Co. Publishers
1987	Parker Michi F	R. L. Polk Co. Publishers
1981	Parker Michael F	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

1213 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

FINDINGS

1216 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Horii Karen	Pacific Bell
1990	Tappan Gregory	R. L. Polk Co. Publishers
1987	Laurel Roger	R. L. Polk Co. Publishers
1976	Parlo Len F	R. L. Polk Co. Publishers

1217 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Faustino C	AT & T Yellow Pages
	SANCHEZ Alex	AT & T Yellow Pages
1994	Sanchez Faustino C	Pacific Bell
1990	Gore J	R. L. Polk Co. Publishers
1987	Gore J	R. L. Polk Co. Publishers

1220 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1976	Barsi Michl	R. L. Polk Co. Publishers

1221 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GARCIA Jose	AT & T Yellow Pages
	Maria	AT & T Yellow Pages
1990	Lazio Paul	R. L. Polk Co. Publishers
1987	Douglass Chris	R. L. Polk Co. Publishers

Lombardi Ln

1224 Lombardi Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	GTO TRANSPORT	EDR Digital Archive
	GTO TRANSPORT	EDR Digital Archive

LOMBARDI LN

1224 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Doug	AT & T Yellow Pages
	SHONBRUN Will	AT & T Yellow Pages

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Shone Doug	Pacific Bell
1990	Shone Doug	R. L. Polk Co. Publishers
1987	Brown Kevin	R. L. Polk Co. Publishers
1976	Holly Nancy	R. L. Polk Co. Publishers

1225 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Vacant	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers

1228 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1981	Lowe A	The Pacific Telephone and Telegraph Company
	Lowder Donald	The Pacific Telephone and Telegraph Company
1976	Lauder Donald	R. L. Polk Co. Publishers

1229 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Guillory Gabriel	Pacific Bell
1990	Guillory Gabriel	R. L. Polk Co. Publishers
1987	Harrich Michl	R. L. Polk Co. Publishers

1232 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Beatriz	AT & T Yellow Pages
1990	Fogel Steve J	R. L. Polk Co. Publishers
1987	Fogel H	R. L. Polk Co. Publishers
1976	Thompson Donald M	R. L. Polk Co. Publishers

1233 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Dunning Donald	R. L. Polk Co. Publishers
1987	Dunning Donald	R. L. Polk Co. Publishers

FINDINGS

Lombardi Ln

1236 Lombardi Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ROSA S CLEANING SERVICE	EDR Digital Archive
	ROSA S CLEANING SERVICE	EDR Digital Archive

LOMBARDI LN

1236 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	STOCKMAN Jas L	AT & T Yellow Pages
	Larry	AT & T Yellow Pages
1990	Bosanco Theo E	R. L. Polk Co. Publishers
1987	Bosanco Theo E	R. L. Polk Co. Publishers
1976	Green Randall	R. L. Polk Co. Publishers

1237 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Gomez Serverino	R. L. Polk Co. Publishers
1987	Gomez Serverino	R. L. Polk Co. Publishers

Lombardi Ln

1240 Lombardi Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	IDEAL CARPENTRY	EDR Digital Archive
	IDEAL CARPENTRY	EDR Digital Archive
2010	IDEAL CARPENTRY	EDR Digital Archive
	IDEAL CARPENTRY	EDR Digital Archive

LOMBARDI LN

1240 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Nystrom Joe	Pacific Bell
1990	Nation Gary	R. L. Polk Co. Publishers
1987	Nation Gary	R. L. Polk Co. Publishers

FINDINGS

Lombardi Ln

1241 Lombardi Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	EAST BAY SECTION	EDR Digital Archive
	EAST BAY SECTION	EDR Digital Archive

LOMBARDI LN

1241 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Joel Isai	AT & T Yellow Pages
	Flores	AT & T Yellow Pages
1990	Roskam Ronald D	R. L. Polk Co. Publishers
1987	Roskam Ronald D	R. L. Polk Co. Publishers

Lombardi Ln

1244 Lombardi Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	TREASURE CHEST OF LOVE	EDR Digital Archive
	TREASURE CHEST OF LOVE	EDR Digital Archive
2010	TREASURE CHEST OF LOVE	EDR Digital Archive
	TREASURE CHEST OF LOVE	EDR Digital Archive

LOMBARDI LN

1244 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	T J	AT & T Yellow Pages
	Walter & Mary	AT & T Yellow Pages
1990	Duva U Lorie Mrs	R. L. Polk Co. Publishers
1987	Duvall Lorie Mrs	R. L. Polk Co. Publishers
1981	Scott Susie	The Pacific Telephone and Telegraph Company
	IScott T	The Pacific Telephone and Telegraph Company
1976	Collom George	R. L. Polk Co. Publishers

1245 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Raygoza Arturo	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Garcia	R. L. Polk Co. Publishers

1249 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LARMAN Dennis	AT & T Yellow Pages
1990	Smithson Donald	R. L. Polk Co. Publishers
1987	Smithson Donald	R. L. Polk Co. Publishers

1253 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

1301 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Castellanos Inoel	Pacific Bell
	Loretta	Pacific Bell
1990	Tawney Jeff W	R. L. Polk Co. Publishers
1987	Tawney Jeff W	R. L. Polk Co. Publishers

1305 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Sourek Pete	R. L. Polk Co. Publishers
1987	Sourek Pete	R. L. Polk Co. Publishers

1308 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Hunter Richd I	R. L. Polk Co. Publishers
1987	Hunter Richd	R. L. Polk Co. Publishers

1309 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Blanguie Gary	R. L. Polk Co. Publishers
1987	Bratton Richd	R. L. Polk Co. Publishers

1313 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Maleki Pat C Mrs	R. L. Polk Co. Publishers
1987	Maleki Pat C Mrs	R. L. Polk Co. Publishers

FINDINGS

1316 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Larsen James	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1976	Vacant	R. L. Polk Co. Publishers

1317 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	VAN Buren Chaka L Vinson	AT & T Yellow Pages
	Tu Nguu	AT & T Yellow Pages
1994	Van Tu Nguu	Pacific Bell
1990	Van Tu Ngau	R. L. Polk Co. Publishers
1987	Acevedo Luis	R. L. Polk Co. Publishers

Lombardi Ln

1321 Lombardi Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SECURED BUILDERS	EDR Digital Archive
	SECURED BUILDERS	EDR Digital Archive
2010	SECURED BUILDERS	EDR Digital Archive
	SECURED BUILDERS	EDR Digital Archive

LOMBARDI LN

1321 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Gutierrez Jeronimo	R. L. Polk Co. Publishers
1987	Gutierrez Jeronimo	R. L. Polk Co. Publishers

1325 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Daniel	AT & T Yellow Pages
	RAY A & C	AT & T Yellow Pages
1994	Diaz Vivian Vidal	Pacific Bell
1990	Broyles K	R. L. Polk Co. Publishers
1987	Broyles K	R. L. Polk Co. Publishers

1326 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TORREBLANCA Julio Cesar	AT & T Yellow Pages

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Cognata Alex & Debbie	Pacific Bell
1990	Campbell Ronald W	R. L. Polk Co. Publishers
1987	Campbell Ronald W	R. L. Polk Co. Publishers
1976	Vacant	R. L. Polk Co. Publishers

1329 LOMBARDI LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

LOMBARTLI CT

789 LOMBARTLI CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SWI CO CONSTRUCTION INC	AT & T Yellow Pages

MALIN

2223 MALIN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	DILBECKShelina	AT & T Yellow Pages
	DIKINIS Daum & Vyga	AT & T Yellow Pages

2227 MALIN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ARTEAGA Blanca R	AT & T Yellow Pages
	ARTEAGA Blanca R	AT & T Yellow Pages

2229 MALIN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CR	AT & T Yellow Pages

MALIN PL

2221 MALIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MILLER Betty J	AT & T Yellow Pages
	Camelia	AT & T Yellow Pages
1990	Lockett Jean	R. L. Polk Co. Publishers
1987	Lockett Jean	R. L. Polk Co. Publishers
1976	Vacant	R. L. Polk Co. Publishers

FINDINGS

2223 MALIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	DIJORIO Robert	AT & T Yellow Pages
1990	Young Albert	R. L. Polk Co. Publishers
1987	Walker Thelma Mrs	R. L. Polk Co. Publishers

2225 MALIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	William T	AT & T Yellow Pages
	HUNT Warren A	AT & T Yellow Pages
1994	Hunt William T	Pacific Bell
1990	Hunt Wm T	R. L. Polk Co. Publishers
1987	Hunt Wm T	R. L. Polk Co. Publishers

2227 MALIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Rafael	AT & T Yellow Pages
	ARTEAGA Blanca R	AT & T Yellow Pages
1990	No Return	R. L. Polk Co. Publishers
1987	Hale Clara	R. L. Polk Co. Publishers

2229 MALIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CR	AT & T Yellow Pages
	Celia	AT & T Yellow Pages
1990	Young Albert	R. L. Polk Co. Publishers
1987	Young Albert	R. L. Polk Co. Publishers

2231 MALIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Kumon Math & Reading Center	AT & T Yellow Pages
1990	Karahalios Bobby	R. L. Polk Co. Publishers
1987	Karahalios Bobby	R. L. Polk Co. Publishers
1976	Macluse Pedro F	R. L. Polk Co. Publishers

Marble St

1101 Marble St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	BROOKE CONSTRUCTION	EDR Digital Archive
	BROOKE CONSTRUCTION	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	BROOKE CONSTRUCTION	EDR Digital Archive
	BROOKE CONSTRUCTION	EDR Digital Archive

MARBLE ST

1101 MARBLE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	DAVIS CONSTRUCTION	Pacific Bell
	COMPANY	Pacific Bell
1990	Davis Construction Co	R. L. Polk Co. Publishers
	Davis Robt J O	R. L. Polk Co. Publishers

1105 MARBLE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Lystra Greg D	R. L. Polk Co. Publishers

1109 MARBLE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Cuppoletti Robt E	R. L. Polk Co. Publishers

1113 MARBLE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers

1117 MARBLE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Acker Mike J	R. L. Polk Co. Publishers

1201 MARBLE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Van Pelt Debra & Steven	Pacific Bell
1990	Bruner Steve G O	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers

1203 MARBLE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers

FINDINGS

1205 MARBLE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Under Constr	R. L. Polk Co. Publishers

1206 MARBLE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Horner Ronald A	R. L. Polk Co. Publishers

1209 MARBLE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Tapia Imelda	Pacific Bell
1990	Pettit Stephen L	R. L. Polk Co. Publishers
1987	Under Constr	R. L. Polk Co. Publishers

1213 MARBLE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Furuta Minobu	R. L. Polk Co. Publishers

2042 MARBLE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Robison E	Pacific Bell

2043 MARBLE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Dyer Jas I Jr	Pacific Bell

2054 MARBLE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Brown Ledger	Pacific Bell

MARBLE WAY

1105 MARBLE WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	APHAY Vaninthanh	AT & T Yellow Pages

1109 MARBLE WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Graciela	AT & T Yellow Pages
	SANCHEZ Alex	AT & T Yellow Pages

FINDINGS

1201 MARBLE WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Homner & Mary	AT & T Yellow Pages
	MARCHBANKS Alicia	AT & T Yellow Pages

1205 MARBLE WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Lewis	AT & T Yellow Pages
	CASTLEBERRY C C & S D	AT & T Yellow Pages

1209 MARBLE WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Imelda	AT & T Yellow Pages
	TAPIA Abel	AT & T Yellow Pages

1217 MARBLE WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SMITH	AT & T Yellow Pages
	Mary	AT & T Yellow Pages

MARILYN

2427 MARILYN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Sara N	AT & T Yellow Pages

MARILYN CT

2421 MARILYN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Clemens Donald D	R. L. Polk Co. Publishers
1987	Clemens Donald D	R. L. Polk Co. Publishers
1976	Anderson Gregory A	R. L. Polk Co. Publishers

2427 MARILYN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Sara N	AT & T Yellow Pages
	Stephanie	AT & T Yellow Pages
1990	Wilson Brian H	R. L. Polk Co. Publishers
1987	Lewis Scott	R. L. Polk Co. Publishers
1976	Oakley Wayne	R. L. Polk Co. Publishers

FINDINGS

2433 MARILYN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Stephenson Wm E	R. L. Polk Co. Publishers
1987	Stephenson Wmn E	R. L. Polk Co. Publishers
1981	Stephenson Wm	The Pacific Telephone and Telegraph Company
1976	Stephenson Wm E	R. L. Polk Co. Publishers

2439 MARILYN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Goetjen James	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1976	Jones James S	R. L. Polk Co. Publishers

2445 MARILYN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Fritz David W	R. L. Polk Co. Publishers
1987	Fritz David W	R. L. Polk Co. Publishers
1981	Gillum Steven L & Musette L	The Pacific Telephone and Telegraph Company
1976	Valh Glenn L	R. L. Polk Co. Publishers

Marilyn Ct

2451 Marilyn Ct

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	MCCLURE PLASTERING BY DESIGN	EDR Digital Archive
	MCCLURE PLASTERING BY DESIGN	EDR Digital Archive

MARILYN CT

2451 MARILYN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MCCUELE Connie	AT & T Yellow Pages
1990	Koeppel Judy M	R. L. Polk Co. Publishers
1987	Koeppel Judy M	R. L. Polk Co. Publishers
1981	Kerr Byron	The Pacific Telephone and Telegraph Company
1976	Watson H Mrs	R. L. Polk Co. Publishers

FINDINGS

MARTY

2424 MARTY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SANCHEZ Jose	AT & T Yellow Pages

MARTY CT

2400 MARTY CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Fix James J	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1981	Fix K	The Pacific Telephone and Telegraph Company
	Fix Jas	The Pacific Telephone and Telegraph Company
1976	Fix James	R. L. Polk Co. Publishers

2406 MARTY CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Faulkner Dale	Pacific Bell
1990	No Return	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers
1981	Keller J	The Pacific Telephone and Telegraph Company

2412 MARTY CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Tiffit Gary R	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1981	Hibbard Gregory M & Kathy	The Pacific Telephone and Telegraph Company
1976	Armitage Gary T	R. L. Polk Co. Publishers

2418 MARTY CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Soares Dan E	R. L. Polk Co. Publishers
1987	Soares Don E	R. L. Polk Co. Publishers
1981	Susavilla Steven J	The Pacific Telephone and Telegraph Company
1976	Conica Jess M	R. L. Polk Co. Publishers

FINDINGS

2424 MARTY CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SANCHEZ Jose	AT & T Yellow Pages
	Jose L	AT & T Yellow Pages
1990	Speed Dan F	R. L. Polk Co. Publishers
1987	Speed Dan F	R. L. Polk Co. Publishers

2429 MARTY CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Sae Donald	R. L. Polk Co. Publishers

2430 MARTY CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	JIMENEZ Adalberto	AT & T Yellow Pages
	David	AT & T Yellow Pages
1990	Tabor Mary	R. L. Polk Co. Publishers
1987	Sanders Sandy	R. L. Polk Co. Publishers
1976	Medeiros Dani T	R. L. Polk Co. Publishers

Match Point Ave

3920 Match Point Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	PACHECO LUPE BARBARA	EDR Digital Archive
	PACHECO LUPE BARBARA	EDR Digital Archive

Mercury Way

2200 Mercury Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	XOLAR CORPORATION	EDR Digital Archive
2010	XOLAR CORPORATION	EDR Digital Archive
	CORBY PLACE PARTNERS A CAL LTD	EDR Digital Archive

MERCURY WAY

2200 MERCURY WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Xolar Corp	AT & T Yellow Pages
1994	MEDIA LINK	Pacific Bell
	MANAGEMENT CORP	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Dutton & Associates Inc geni contr	R. L. Polk Co. Publishers
1987	Dutton & Associates Inc geni contr	R. L. Polk Co. Publishers

Mercury Way

2235 Mercury Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ARMSTRONG ASSOCIATES	EDR Digital Archive
	WINZLER & KELLY	EDR Digital Archive
	WINZLER & KELLY	EDR Digital Archive
	TRICORBRAUN INC	EDR Digital Archive
	NEW YORK LIFE INSURANCE CO	EDR Digital Archive
	APAC CUSTOMER SERVICES INC	EDR Digital Archive
	TRANSWORLD SYSTEMS INC	EDR Digital Archive
	TRANSWORLD SYSTEMS INC	EDR Digital Archive
	KLH CONSULTING INC	EDR Digital Archive
	TRIACCESS TECHNOLOGIES	EDR Digital Archive
	GEORGE ROTHERT AND ASSOCIATES	EDR Digital Archive
	GHD INC	EDR Digital Archive
	EMYTH MASTERY PROGRAM EMYTH	EDR Digital Archive
	ARMSTRONG ASSOCIATES	EDR Digital Archive
	WINZLER & KELLY	EDR Digital Archive
	WINZLER & KELLY	EDR Digital Archive
	KLH CONSULTING INC	EDR Digital Archive
	TRIACCESS TECHNOLOGIES	EDR Digital Archive
	GEORGE ROTHERT AND ASSOCIATES	EDR Digital Archive
	GHD INC	EDR Digital Archive
	EMYTH MASTERY PROGRAM EMYTH	EDR Digital Archive
	TRICORBRAUN INC	EDR Digital Archive
	NEW YORK LIFE INSURANCE CO	EDR Digital Archive
	APAC CUSTOMER SERVICES INC	EDR Digital Archive
	TRANSWORLD SYSTEMS INC	EDR Digital Archive
	TRANSWORLD SYSTEMS INC	EDR Digital Archive
2010	TRANSWORLD SYSTEMS INC	EDR Digital Archive
	TRANSWORLD SYSTEMS INC	EDR Digital Archive
	NEW YORK LIFE INSURANCE CO	EDR Digital Archive
	NYLIFE SECURITIES INC	EDR Digital Archive
	E-MYTH WORLDWIDE	EDR Digital Archive
	GEORGE ROTHERT AND ASSOCIATES	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	TRIAACCESS TECHNOLOGIES	EDR Digital Archive
	ADOBE SYSTEMS	EDR Digital Archive
	ARMSTRONG ASSOCIATES	EDR Digital Archive
	E-MYTH WORLDWIDE	EDR Digital Archive
	GEORGE ROTHERT AND ASSOCIATES	EDR Digital Archive
	TRIAACCESS TECHNOLOGIES	EDR Digital Archive
	TRANSWORLD SYSTEMS INC	EDR Digital Archive
	TRANSWORLD SYSTEMS INC	EDR Digital Archive
	NEW YORK LIFE INSURANCE CO	EDR Digital Archive
	NYLIFE SECURITIES INC	EDR Digital Archive
	ADOBE SYSTEMS	EDR Digital Archive
	ARMSTRONG ASSOCIATES	EDR Digital Archive

MERCURY WAY

2235 MERCURY WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	E Myth Worldwide	AT & T Yellow Pages
	NEW YORK LIFE INSURANCE COMPANY	AT & T Yellow Pages
	Adobe Systems inc	AT & T Yellow Pages

NEW ZEALAND AVE

3909 NEW ZEALAND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ALBOR Alicia	AT & T Yellow Pages

OCCIDENTAL RD

2075 OCCIDENTAL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CENTER FOR SPIRITUAL LIVING SANTA ROSA	AT & T Yellow Pages
	Stepping Stones Book Store	AT & T Yellow Pages

Occidental Rd

2125 Occidental Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	AT&T SERVICES	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	AT&T SERVICES	EDR Digital Archive
2010	AT&T SERVICES INC	EDR Digital Archive
	AT&T SERVICES INC	EDR Digital Archive

OCCIDENTAL RD

2125 OCCIDENTAL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Prince Layne A	R. L. Polk Co. Publishers
	Pacific Telephone Ofc	R. L. Polk Co. Publishers
1987	Pacific Telephone Ofc	R. L. Polk Co. Publishers

Occidental Rd

2185 Occidental Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LEISURE MOBILE HOME PARK INC	EDR Digital Archive
	LEISURE MOBILE HOME PARK INC	EDR Digital Archive
2010	LEISURE MOBILE HOME PARK INC	EDR Digital Archive
	LEISURE MOBILE HOME PARK INC	EDR Digital Archive

OCCIDENTAL RD

2185 OCCIDENTAL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Leisure Mobile Home Park	AT & T Yellow Pages
1994	LEISURE MOBILE PARK	Pacific Bell
	SALES	Pacific Bell
	RINWOOD HOMES	Pacific Bell
1981	Buch Hans	The Pacific Telephone and Telegraph Company
	Brisbin Lee & Fern	The Pacific Telephone and Telegraph Company
	Brightbill Paul	The Pacific Telephone and Telegraph Company
	Bickelhaupt D.....	The Pacific Telephone and Telegraph Company
	Bickel John R	The Pacific Telephone and Telegraph Company
	Bartizal Jackie	The Pacific Telephone and Telegraph Company
	Andresen Harry P	The Pacific Telephone and Telegraph Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Brisbin R S	The Pacific Telephone and Telegraph Company
	Hamilton Don	The Pacific Telephone and Telegraph Company
	Kale F	The Pacific Telephone and Telegraph Company
	Kelly Earl J	The Pacific Telephone and Telegraph Company
	Krieg Lennie	The Pacific Telephone and Telegraph Company
	Leigh Walter F	The Pacific Telephone and Telegraph Company
	LEISURE MOBILE PARK St SALES	The Pacific Telephone and Telegraph Company
	Mendenhall Jas	The Pacific Telephone and Telegraph Company
	Woodland Homes In Park Resales	The Pacific Telephone and Telegraph Company
	WOODLAND MOBILE HOMES INC	The Pacific Telephone and Telegraph Company

PIPPIN

1139 PIPPIN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RACINAAN	AT & T Yellow Pages

1163 PIPPIN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CHANTHAVONG Lavanah	AT & T Yellow Pages

PIPPIN CIR

1085 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	NGUYEN Amy	AT & T Yellow Pages
	Lien	AT & T Yellow Pages

Pippin Cir

1086 Pippin Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	BILL BUTLER AVS	EDR Digital Archive
	BUTLERS ATTIC TOYS COLLEC	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	BILL BUTLER AVS	EDR Digital Archive
	BUTLERS ATTIC TOYS COLLEC	EDR Digital Archive

PIPPIN CIR

1090 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MILLERG Steve	AT & T Yellow Pages
	John & Wendy	AT & T Yellow Pages
1994	Miller John & Wendy	Pacific Bell

1093 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Chretien William	Pacific Bell

1097 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MICKLUS P	AT & T Yellow Pages
	I MITHELL Thomas	AT & T Yellow Pages
1994	1128 Deshetres Leo	Pacific Bell
	Shinagawa Larry & Sun	Pacific Bell

1101 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SCHEFERS Shelley	AT & T Yellow Pages

1102 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LINKB	AT & T Yellow Pages
	John	AT & T Yellow Pages
	LINKB	AT & T Yellow Pages
	John	AT & T Yellow Pages

1103 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LE Dep	AT & T Yellow Pages
	Gi Oi	AT & T Yellow Pages

1109 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Blengino John E	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Blengino John E	R. L. Polk Co. Publishers

1110 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Reynolds G	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

Pippin Cir

1115 Pippin Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SUGAR FROM HEART	EDR Digital Archive
	SUGAR FROM HEART	EDR Digital Archive

PIPPIN CIR

1115 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Eggers Mike G	R. L. Polk Co. Publishers
1987	Eggers Mike G	R. L. Polk Co. Publishers

1116 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Asikainen Edw E	R. L. Polk Co. Publishers
1987	Asikainen Edw E	R. L. Polk Co. Publishers

1121 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Heisa Steven W	R. L. Polk Co. Publishers

1122 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CABA Catalina	AT & T Yellow Pages
	Raymundo	AT & T Yellow Pages
1990	De La Riva Roberto C	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers

FINDINGS

Pippin Cir

1127 Pippin Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MCCAMAN MICHAEL	EDR Digital Archive
	MCCAMAN MICHAEL	EDR Digital Archive

PIPPIN CIR

1127 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Parker Garry L	R. L. Polk Co. Publishers
1987	Bogdanyi Edw	R. L. Polk Co. Publishers

1128 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Adair Mark E	R. L. Polk Co. Publishers
1987	Adair Mark E	R. L. Polk Co. Publishers

1133 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MADDINENI Rambabu	AT & T Yellow Pages
	I MADDOCK J	AT & T Yellow Pages
1990	Burkhart Gregory S	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

1134 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MANRIQUEZ Araceli	AT & T Yellow Pages
	LUZ	AT & T Yellow Pages

1139 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RACICOT Rudolph	AT & T Yellow Pages

1140 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Makofsky Elizabeth J	R. L. Polk Co. Publishers

1145 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Hager Steven	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Hayes Roland	R. L. Polk Co. Publishers

1151 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Maria	AT & T Yellow Pages
	Flores	AT & T Yellow Pages
1990	Boosinger Donald J	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

1157 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PANIAAGUA L Jose	AT & T Yellow Pages
1990	Calzada Frank V Jr	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers

1163 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CHANTHAVONG Lavanah	AT & T Yellow Pages
1994	Bratina John S	Pacific Bell
1990	Mc Kay Richd E	R. L. Polk Co. Publishers
1987	Mc Kay Richd E	R. L. Polk Co. Publishers

1169 PIPPIN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

QUINTIN PL

2133 QUINTIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Brown Bonnie R	R. L. Polk Co. Publishers
1987	Brown Jerry	R. L. Polk Co. Publishers
1981	I Linda E J	The Pacific Telephone and Telegraph Company
	I Linda J	The Pacific Telephone and Telegraph Company
	Lind SJ	The Pacific Telephone and Telegraph Company
	!Lihd Steven M	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

FINDINGS

2135 QUINTIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Comb Claudia	Pacific Bell
1990	Comb Claudia M Mrs	R. L. Polk Co. Publishers
1987	Comb Claudia M Mrs	R. L. Polk Co. Publishers
1981	Comb David Jr & Claudia	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

2137 QUINTIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Colombo Paul C	Pacific Bell
1990	Colombo Paul C	R. L. Polk Co. Publishers
1987	Colombo Paul C	R. L. Polk Co. Publishers
1976	Rowe David P	R. L. Polk Co. Publishers

2139 QUINTIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Cristina	AT & T Yellow Pages
	MUNOZ Abel & Ana	AT & T Yellow Pages
1990	Farries Wm R	R. L. Polk Co. Publishers
1987	Farries Wm R	R. L. Polk Co. Publishers

2141 QUINTIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GUTIERREZ A	AT & T Yellow Pages
	Benito	AT & T Yellow Pages
1994	Gutierrez Benito	Pacific Bell
1990	Hall Anna	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1976	Mc Mahon Thos	R. L. Polk Co. Publishers

2143 QUINTIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Calderon Joel	R. L. Polk Co. Publishers
1987	Calderon Joel	R. L. Polk Co. Publishers
1976	Alexander Wayne J	R. L. Polk Co. Publishers

2145 QUINTIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CHANTAVONG Boualom	AT & T Yellow Pages

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Chantavong Sithath	Pacific Bell
1990	Morehouse Wm A	R. L. Polk Co. Publishers
1981	Morehouse Wm A	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

2146 QUINTIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Morehouse Wm A	R. L. Polk Co. Publishers

2147 QUINTIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Meeker Joseph H II	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

2149 QUINTIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Mendoza T G & E L	Pacific Bell
1990	Mendoza Todd G	R. L. Polk Co. Publishers
1987	Mendozra Todd G	R. L. Polk Co. Publishers

2151 QUINTIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HOCKER Robert	AT & T Yellow Pages
1990	Flores Agustin F	R. L. Polk Co. Publishers
1981	Bean Jeffrey D & Laura	The Pacific Telephone and Telegraph Company
	Sean Nicole R	The Pacific Telephone and Telegraph Company

2153 QUINTIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Guillermo A	AT & T Yellow Pages
	ZAMORA Angelita	AT & T Yellow Pages
1990	Vacant	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers
1976	Edwards Dennis L	R. L. Polk Co. Publishers

2161 QUINTIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Flores Agustin F	R. L. Polk Co. Publishers

FINDINGS

2201 QUINTIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Guerra Fernando	R. L. Polk Co. Publishers
1987	Guerra Fernando	R. L. Polk Co. Publishers
1981	Guerra Fernando G	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

QUNTIN PL

2151 QUNTIN PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HOCKER Robert	AT & T Yellow Pages
	Robert	AT & T Yellow Pages

RACHEL

2138 RACHEL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LUKASA	AT & T Yellow Pages

2141 RACHEL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LOPEZ A Juan	AT & T Yellow Pages

2153 RACHEL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	KAYS Greg	AT & T Yellow Pages
	KAYSER D	AT & T Yellow Pages

2165 RACHEL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BEAS Jaime	AT & T Yellow Pages

2175 RACHEL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LE Dep	AT & T Yellow Pages

FINDINGS

RACHEL DR

2130 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Kimly	AT & T Yellow Pages
	OUM Heak R	AT & T Yellow Pages

2138 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LUJANO Manuela	AT & T Yellow Pages
	Manuela	AT & T Yellow Pages
	LUJANO Manuela	AT & T Yellow Pages
1994	Brocchini A & K	Pacific Bell

2141 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Amada Estela	AT & T Yellow Pages
	LOPEZ A Juan	AT & T Yellow Pages

2146 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Leonardo	AT & T Yellow Pages
	DIAZ Gilbert	AT & T Yellow Pages

2147 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Abbott G F	Pacific Bell

2148 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	A & C BOOKKEEPING	Pacific Bell

Rachel Dr

2149 Rachel Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	JURASEK ACTIVEWEAR	EDR Digital Archive
	JURASEK ACTIVEWEAR	EDR Digital Archive

FINDINGS

RACHEL DR

2150 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Barbara	AT & T Yellow Pages
	OROZCO Agustin	AT & T Yellow Pages

Rachel Dr

2151 Rachel Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	PERRY CRAIG W EA	EDR Digital Archive
	PERRY CRAIG W EA	EDR Digital Archive

RACHEL DR

2151 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Harinder	AT & T Yellow Pages
	SINGH Avtar	AT & T Yellow Pages
1994	Perry Craig W	Pacific Bell

2153 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	KAYS Greg	AT & T Yellow Pages
1994	Block L & D	Pacific Bell

2158 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Ott	AT & T Yellow Pages
	REID Alec	AT & T Yellow Pages

2163 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SZYDLOWSKI M	AT & T Yellow Pages
1994	Szydlowski M	Pacific Bell

2165 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BEAS Jaime	AT & T Yellow Pages

FINDINGS

2166 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Mefo Jim	Pacific Bell

2168 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Nieblas Jose R	Pacific Bell

2172 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GERSTMANN Jeff	AT & T Yellow Pages
	William & Helen	AT & T Yellow Pages

2175 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LE Dep	AT & T Yellow Pages
	Tuan	AT & T Yellow Pages

2179 RACHEL DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ZHAO Ping	AT & T Yellow Pages
	Shijie	AT & T Yellow Pages
1994	Zhao Wendy	Pacific Bell

ROME LN

2602 ROME LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	No Return	R. L. Polk Co. Publishers

2606 ROME LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	No Return	R. L. Polk Co. Publishers

RYAN

624 RYAN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TODD Arestad	AT & T Yellow Pages

FINDINGS

Ryan Ln

620 Ryan Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	VISION INVESTIGATIVE SERVICES	EDR Digital Archive
	VISION INVESTIGATIVE SERVICES	EDR Digital Archive
2010	VISION INVESTIGATIVE SERVICES	EDR Digital Archive
	VISION INVESTIGATIVE SERVICES	EDR Digital Archive

RYAN LN

620 RYAN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Vision Investigative Services	AT & T Yellow Pages

624 RYAN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TODD Arestad	AT & T Yellow Pages
	Floyd A	AT & T Yellow Pages

628 RYAN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Sabta	AT & T Yellow Pages
	TRUJILLO Angelica	AT & T Yellow Pages

629 RYAN LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	M	AT & T Yellow Pages
	Ryan D	AT & T Yellow Pages

Ryan Ln

631 Ryan Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	WISSNER MARK D	EDR Digital Archive
	WISSNER MARK D	EDR Digital Archive

FINDINGS

SEBASTO JOL RD

3600 SEBASTO JOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Stewart Harold Jr	The Pacific Telephone and Telegraph Company

SEBASTOPOL

2480 SEBASTOPOL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Secondary Schools	AT & T Yellow Pages
	Secondary Schools	AT & T Yellow Pages
	Secondary Schools	AT & T Yellow Pages
	Secondary Schools	AT & T Yellow Pages
	Secondary Schools	AT & T Yellow Pages
	Secondary Schools	AT & T Yellow Pages
	Secondary Schools	AT & T Yellow Pages
	Secondary Schools	AT & T Yellow Pages

2847 SEBASTOPOL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Cisneros Welding	AT & T Yellow Pages

3175 SEBASTOPOL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	REDWOOD CREDIT UNION	AT & T Yellow Pages
	REDWOOD CREDIT UNION	AT & T Yellow Pages
	REDWOOD CREDIT UNION	AT & T Yellow Pages
	REDWOOD CREDIT UNION	AT & T Yellow Pages

3309 SEBASTOPOL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	FIELDS Bertha i	AT & T Yellow Pages
	FIELDS Bertha i	AT & T Yellow Pages
	FIELDS Bertha i	AT & T Yellow Pages
	FIELDS Bertha i	AT & T Yellow Pages

FINDINGS

Sebastopol Rd

2015 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ROSS DRESS FOR LESS STORES	EDR Digital Archive
	ROSS DRESS FOR LESS STORES	EDR Digital Archive

2019 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ANNAS LINENS INC	EDR Digital Archive
	ANNAS LINENS INC	EDR Digital Archive

2025 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	DOLGENCORP LLC	EDR Digital Archive
	DOLGENCORP LLC	EDR Digital Archive

2055 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	FOOD MAXX 469	EDR Digital Archive
	SAVE MART SUPERMARKETS	EDR Digital Archive
	FOOD MAXX 469	EDR Digital Archive
	SAVE MART SUPERMARKETS	EDR Digital Archive
2010	SAVE MART SUPERMARKETS	EDR Digital Archive
	FOOD MAXX 469	EDR Digital Archive
	SAVE MART SUPERMARKETS	EDR Digital Archive
	FOOD MAXX 469	EDR Digital Archive

SEBASTOPOL RD

2055 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Food Maxx	AT & T Yellow Pages
1994	FOOD 4 LESS	Pacific Bell
1990	Food 4 Less	R. L. Polk Co. Publishers

2200 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Taqueria Pepe restr	R. L. Polk Co. Publishers
1987	Taqueria Pepe restr	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Demele Lynne	The Pacific Telephone and Telegraph Company
	Redmond Mark	The Pacific Telephone and Telegraph Company
1976	Anderson Inez Mrs	R. L. Polk Co. Publishers
1970	Anderson Inez Mrs	R. L. Polk Co. Publishers
1965	Anderson Claude C	R. L. Polk Co. Publishers
1961	Anderson Claude C	R. L. Polk Co., Publishers

Sebastopol Rd

2220 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CONSUMER CAR SALES	EDR Digital Archive
	CONSUMER CAR SALES	EDR Digital Archive
2010	CONSUMER CAR SALES	EDR Digital Archive
	CONSUMER CAR SALES	EDR Digital Archive

SEBASTOPOL RD

2220 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	J R	AT & T Yellow Pages
	SEATON H D & Ruth	AT & T Yellow Pages
1994	Seaton JR	Pacific Bell
1990	Seaton James R	R. L. Polk Co. Publishers
1987	Seaton James R	R. L. Polk Co. Publishers
1976	Fistolera Armido	R. L. Polk Co. Publishers
1970	Fistolera Armido	R. L. Polk Co. Publishers
1965	Vacant	R. L. Polk Co. Publishers
1961	Davidson Chas a bldg contr	R. L. Polk Co., Publishers

2475 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	MASMA CONSTRUCTION	Pacific Bell

Sebastopol Rd

2480 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SANTA ROSA CITY SCHOOL DIST	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SANTA ROSA CITY SCHOOL DIST	EDR Digital Archive
2010	SANTA ROSA CITY SCHOOL DIST	EDR Digital Archive
	SANTA ROSA CITY SCHOOL DIST	EDR Digital Archive

SEBASTOPOL RD

2480 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Lawrence Cook Middle School	AT & T Yellow Pages
	Secondary Schools	AT & T Yellow Pages
1990	Cook Lawrence Junior High School	R. L. Polk Co. Publishers
1987	Cook Lawrence Junior High School	R. L. Polk Co. Publishers
1981	Physical Education.....	The Pacific Telephone and Telegraph Company
	Counseling	The Pacific Telephone and Telegraph Company
	Compensatory Education	The Pacific Telephone and Telegraph Company
	Cafeteria	The Pacific Telephone and Telegraph Company
	Attendance	The Pacific Telephone and Telegraph Company
	Administrative Office.....	The Pacific Telephone and Telegraph Company
	Lawrence Cook Junior High School	The Pacific Telephone and Telegraph Company
	Reading Resource	The Pacific Telephone and Telegraph Company
	SANTA ROSA SCHOOL DISTRICT Confdc Administrative Offices Contd	The Pacific Telephone and Telegraph Company
1976	Cook Junior High School	R. L. Polk Co. Publishers
1970	Cook Junior High School	R. L. Polk Co. Publishers
1965	Cook Jr High Sch	R. L. Polk Co. Publishers
1961	Cook Jr High School	R. L. Polk Co., Publishers

2501 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	01iver James R	R. L. Polk Co. Publishers

2567 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1961	Ott L V	R. L. Polk Co., Publishers

FINDINGS

2577 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1961	Hawley Joaquin P	R. L. Polk Co., Publishers

Sebastopol Rd

2585 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	UNITED STATES POSTAL SERVICE	EDR Digital Archive
	UNITED STATES POSTAL SERVICE	EDR Digital Archive
2010	UNITED STATES POSTAL SERVICE	EDR Digital Archive
	UNITED STATES POSTAL SERVICE	EDR Digital Archive

SEBASTOPOL RD

2585 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Mc Clellan Lafe B Bodega Hwy Bdga.....	The Pacific Telephone and Telegraph Company
	Mc Clellan Hugh A	The Pacific Telephone and Telegraph Company
	Mc Clellan Lillie	The Pacific Telephone and Telegraph Company
1976	Mc Cle Uan Hugh A	R. L. Polk Co. Publishers
1970	No Return	R. L. Polk Co. Publishers
1965	Weddle Alice M Mrs	R. L. Polk Co. Publishers

2601 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Vacant	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers
1981	Moore Barrie	The Pacific Telephone and Telegraph Company
1976	Toltschin Micheal	R. L. Polk Co. Publishers
1970	Choate Alton	R. L. Polk Co. Publishers
1965	Vacant	R. L. Polk Co. Publishers
1961	Ayers Ted	R. L. Polk Co., Publishers

2709 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Riley Elsie M	R. L. Polk Co. Publishers
1987	Riley Elsie M	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Duncan Lorraine	The Pacific Telephone and Telegraph Company
1976	Teschendorf Patricia M	R. L. Polk Co. Publishers
1970	Helbig Max	R. L. Polk Co. Publishers
1965	Tuttle Kenneth M	R. L. Polk Co. Publishers
1961	Miller Allen H	R. L. Polk Co., Publishers

2710 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Warren Leonard	R. L. Polk Co. Publishers
1987	Kniffen Wm T	R. L. Polk Co. Publishers
1981	Lombardi Angelo	The Pacific Telephone and Telegraph Company
1976	Lombardi Lillian Mrs	R. L. Polk Co. Publishers
1970	Vacant	R. L. Polk Co. Publishers
1965	Lombardi Angelo	R. L. Polk Co. Publishers
1961	Lombardi Angelo	R. L. Polk Co., Publishers

2715 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Whitehead Tita	R. L. Polk Co. Publishers
1987	Whitehead Tita	R. L. Polk Co. Publishers
1981	Luckhardt David L	The Pacific Telephone and Telegraph Company
1976	No Return	R. L. Polk Co. Publishers
1970	Mahoney John R	R. L. Polk Co. Publishers
1965	Mahoney John R	R. L. Polk Co. Publishers
1961	Eyers Arth R	R. L. Polk Co., Publishers

2729 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Midway Dance Hall	R. L. Polk Co. Publishers
	Midway Beer Parlor	R. L. Polk Co. Publishers
1965	Midway Dance Hall	R. L. Polk Co. Publishers
	Kemp A J	R. L. Polk Co. Publishers
	Midway Beer Parlor tavern	R. L. Polk Co. Publishers

2733 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	Under Constn	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Morocco Anthony J	The Pacific Telephone and Telegraph Company
1976	Duncan Elvin L	R. L. Polk Co. Publishers
1970	Geurts Robt	R. L. Polk Co. Publishers
1965	Rylee Cecil E	R. L. Polk Co. Publishers
1961	Cussins Glen	R. L. Polk Co., Publishers

2750 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Lennox Lionel S	R. L. Polk Co. Publishers
1987	Lennox Lionel S	R. L. Polk Co. Publishers
1981	Lennox Stan	The Pacific Telephone and Telegraph Company
1976	Hovidson Beverly	R. L. Polk Co. Publishers
1970	Vacant	R. L. Polk Co. Publishers

2755 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Hahn Vera	The Pacific Telephone and Telegraph Company
1976	Hahn Raymond L	R. L. Polk Co. Publishers
1970	Hahn Ramon L	R. L. Polk Co. Publishers
1965	No Return	R. L. Polk Co. Publishers
1961	Vacant	R. L. Polk Co., Publishers

2757 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Mathewson Ray V	The Pacific Telephone and Telegraph Company
1976	Mathewson Phil H	R. L. Polk Co. Publishers
1970	Rylee Cecil E	R. L. Polk Co. Publishers
1965	Dolinsek Steven A	R. L. Polk Co. Publishers
1961	Dolinsek Steven A	R. L. Polk Co., Publishers

2759 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Vacant	R. L. Polk Co. Publishers
1970	Vacant	R. L. Polk Co. Publishers
1965	Vacant	R. L. Polk Co. Publishers

FINDINGS

2760 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Lennox Stan	R. L. Polk Co. Publishers
1987	Lennox Stan	R. L. Polk Co. Publishers
1981	Lennox Construction Co	The Pacific Telephone and Telegraph Company
	Lennox Stan	The Pacific Telephone and Telegraph Company
1976	Lennox Lionel S	R. L. Polk Co. Publishers
1970	Vacant M I	R. L. Polk Co. Publishers
1965	Hunter Mary Mrs	R. L. Polk Co. Publishers
	Beechetti Robt L	R. L. Polk Co. Publishers

Sebastopol Rd

2771 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	BARGANSKI SUEDE	EDR Digital Archive
	BARGANSKI SUEDE	EDR Digital Archive

SEBASTOPOL RD

2771 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ROYAL FLUSH	AT & T Yellow Pages
1990	Castle Concrete Pumping	R. L. Polk Co. Publishers
1987	Castle Concrete Pumping	R. L. Polk Co. Publishers
1981	A & P Garage	The Pacific Telephone and Telegraph Company
1976	Redwood Roofing Co Whse	R. L. Polk Co. Publishers
1970	Vilanova Joy M Mrs	R. L. Polk Co. Publishers
1965	Berryhill Archie G	R. L. Polk Co. Publishers
1961	Mansfield Franklin T	R. L. Polk Co., Publishers

2779 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	ACCESSORIES	Pacific Bell
	JOHNS GO CARTS	Pacific Bell
1990	No Return	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers
1976	Frazee Hazel S Mrs	R. L. Polk Co. Publishers
1970	Frazee Hazel S Mrs	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1965	rear Frazee Henry D	R. L. Polk Co. Publishers
	Vacant	R. L. Polk Co. Publishers
1961	Frazee Henry D	R. L. Polk Co., Publishers
	Frazee Elec Co	R. L. Polk Co., Publishers

Sebastopol Rd

2787 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	CAL SHINE DISTRIBUTING	EDR Digital Archive
	GUANELLA MOTORS	EDR Digital Archive
	GUANELLA MOTORS	EDR Digital Archive
	CAL SHINE DISTRIBUTING	EDR Digital Archive

SEBASTOPOL RD

2787 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Cal Shine Distributing	AT & T Yellow Pages
	Guanella Motors	AT & T Yellow Pages
1994	GUANELLA MOTORS	Pacific Bell
	DISTRIBUTING	Pacific Bell
	CAL SHINE	Pacific Bell
1990	Guane Ua Motors car lot	R. L. Polk Co. Publishers
1987	Mac Donald Welding Co	R. L. Polk Co. Publishers
1981	Jackson Gerald	The Pacific Telephone and Telegraph Company
1976	Allied Screen Company	R. L. Polk Co. Publishers
1970	Dal Molin Grace Mrs	R. L. Polk Co. Publishers
1965	Jordan Roofing Co	R. L. Polk Co. Publishers
	Decorator Paint Sup	R. L. Polk Co. Publishers
1961	Vacant	R. L. Polk Co., Publishers

Sebastopol Rd

2789 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	GUANELLA AUTO BODY INC	EDR Digital Archive
	CAL SHINE DISTRIBUTING	EDR Digital Archive
	GUANELLA MOTORS	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	GUANELLA MOTORS	EDR Digital Archive
	CAL SHINE DISTRIBUTING	EDR Digital Archive
	GUANELLA AUTO BODY INC	EDR Digital Archive
2010	GUANELLA RICK	EDR Digital Archive
	GUANELLA RICK	EDR Digital Archive

SEBASTOPOL RD

2800 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Accurate Forklifts	The Pacific Telephone and Telegraph Company

2801 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Willis Wm Jr	The Pacific Telephone and Telegraph Company
1976	Oliver James R	R. L. Polk Co. Publishers
	Rear Vacant	R. L. Polk Co. Publishers
1970	Lane Sybil T Mrs	R. L. Polk Co. Publishers
	Marsili Dorothy J Mrs	R. L. Polk Co. Publishers
1965	rear No Return	R. L. Polk Co. Publishers
	Lane Sybil T Mrs Marsili Dorothy J Mrs	R. L. Polk Co. Publishers
1961	Lane Sybil T Mrs	R. L. Polk Co., Publishers
	rear vacant	R. L. Polk Co., Publishers

2808 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	DUTt ON RICHARD & ASSOCIATES INC	The Pacific Telephone and Telegraph Company
	I Cullen Margaret	The Pacific Telephone and Telegraph Company
	Cullen M	The Pacific Telephone and Telegraph Company
1976	Dutton Ranch land cos	R. L. Polk Co. Publishers
1970	Vacant	R. L. Polk Co. Publishers
1965	Vacant	R. L. Polk Co. Publishers
1961	Matti Robt	R. L. Polk Co., Publishers

2816 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Bertoli Donald	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Bouillerc Geo	R. L. Polk Co. Publishers

Sebastopol Rd

2835 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	A & E MOTORS INC	EDR Digital Archive
	A & E MOTORS INC	EDR Digital Archive
2010	A & E MOTORS INC	EDR Digital Archive
	A & E MOTORS INC	EDR Digital Archive

SEBASTOPOL RD

2835 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	OCHOAA	AT & T Yellow Pages
	Anjel	AT & T Yellow Pages
	Angel Motors	AT & T Yellow Pages
1994	ANGEL MOTORS	Pacific Bell
1990	a Ochoa Anjel	R. L. Polk Co. Publishers
	Angel Motors used car sls	R. L. Polk Co. Publishers
1987	a Ochoa Anjel	R. L. Polk Co. Publishers
	Angel Motors used car sis	R. L. Polk Co. Publishers
1981	Ochoa D	The Pacific Telephone and Telegraph Company
	Ochoa Art & Dianne	The Pacific Telephone and Telegraph Company
	Ochoa Angel	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers
	Cartwright Harry	R. L. Polk Co. Publishers
1970	Me Lean Jackie Mrs	R. L. Polk Co. Publishers
1965	Peluso Luigi A	R. L. Polk Co. Publishers
	rear Vacant	R. L. Polk Co. Publishers
1961	Geschwind Laurence R real	R. L. Polk Co., Publishers

Sebastopol Rd

2847 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CISNEROS MACHINE & WELDING	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ORTEGA FELIPE	EDR Digital Archive
	CISNEROS MACHINE & WELDING	EDR Digital Archive
	ORTEGA FELIPE	EDR Digital Archive
2010	CISNEROS MACHINE & WELDING	EDR Digital Archive
	ORTEGA FELIPE	EDR Digital Archive
	CISNEROS MACHINE & WELDING	EDR Digital Archive
	ORTEGA FELIPE	EDR Digital Archive

SEBASTOPOL RD

2847 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Cisneros Welding	AT & T Yellow Pages
1994	CISNEROS WELDING	Pacific Bell
1990	Cisneros Manuel R	R. L. Polk Co. Publishers
1987	Cisnero Manuel R	R. L. Polk Co. Publishers
1981	Cox Talmadge	The Pacific Telephone and Telegraph Company
1976	Bevans Warren	R. L. Polk Co. Publishers
1970	Bevans Warren	R. L. Polk Co. Publishers
1965	Bevaus Warren	R. L. Polk Co. Publishers

2871 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Rays Furniture used furn	R. L. Polk Co. Publishers

2873 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	No Return	R. L. Polk Co. Publishers
1976	Der Volkshop auto repr	R. L. Polk Co. Publishers
1970	Vacant	R. L. Polk Co. Publishers

2875 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	REPAIR	Pacific Bell
	MORA RICK AUTO	Pacific Bell
	Francisco	Pacific Bell
	Flores Martinez	Pacific Bell
	GERMAN AUTOMOTIVE	Pacific Bell
	SERVICE BY RAUL	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	a E & E Car Detailing auto cln & waxing	R. L. Polk Co. Publishers
	R & R Starter Motor & Alternators	R. L. Polk Co. Publishers
1987	Cisneros Machine & Welding Shop	R. L. Polk Co. Publishers
	a E & E Car Detailing auto cin A	R. L. Polk Co. Publishers
	waxing	R. L. Polk Co. Publishers
	waxing	R. L. Polk Co. Publishers
1981	Bargain Barn turn	The Pacific Telephone and Telegraph Company
1970	Clark Bros Used Cars	R. L. Polk Co. Publishers

2877 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Vacant	R. L. Polk Co. Publishers
1965	rear Vas 8t	R. L. Polk Co. Publishers
1961	Sals Vegetable Mkt	R. L. Polk Co., Publishers

2938 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Murphy Marty	The Pacific Telephone and Telegraph Company
1976	Bertoli Gus A	R. L. Polk Co. Publishers
1970	Bertoli Gus A	R. L. Polk Co. Publishers
1965	Bertol Gus A	R. L. Polk Co. Publishers
1961	Bertoli Gux A	R. L. Polk Co., Publishers

3094 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	b Stevens Julie L	R. L. Polk Co. Publishers

Sebastopol Rd

3101 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	OUTLAW CUSTOMS & CLASSICS	EDR Digital Archive
	OUTLAW CUSTOMS & CLASSICS	EDR Digital Archive

SEBASTOPOL RD

3101 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Guanella Autobodyi	AT & T Yellow Pages

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	GUANELLA AUTO BODY	Pacific Bell
	PAINT	Pacific Bell
1990	Guanella Auto Body & Paint	R. L. Polk Co. Publishers
1987	Guanella Auto Body & Paint	R. L. Polk Co. Publishers
1976	Brisbin Lees Painting	R. L. Polk Co. Publishers
1970	Empire Fork Lift sls & serv	R. L. Polk Co. Publishers
1965	Empire Fork Lift	R. L. Polk Co. Publishers
1961	Vacant	R. L. Polk Co., Publishers

3160 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	OBrien Douglass G	The Pacific Telephone and Telegraph Company
1976	Sauer Esther G Mrs	R. L. Polk Co. Publishers
1970	Sauer L W	R. L. Polk Co. Publishers

Sebastopol Rd

3175 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	REDWOOD COVENANT CHURCH	EDR Digital Archive
	EVANGELICAL COVENANT CHURCH	EDR Digital Archive
	REDWOOD COVENANT CHURCH	EDR Digital Archive
	EVANGELICAL COVENANT CHURCH	EDR Digital Archive
2010	EVANGELICAL COVENANT CH INC	EDR Digital Archive
	EVANGELICAL COVENANT CH INC	EDR Digital Archive

SEBASTOPOL RD

3175 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Redwood Covenant Church	AT & T Yellow Pages

Sebastopol Rd

3191 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	S S CONSTRUCTION	EDR Digital Archive
	S S CONSTRUCTION	EDR Digital Archive
2010	A & W CONCRETE CNSTR INC	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	A & W CONCRETE CNSTR INC	EDR Digital Archive

SEBASTOPOL RD

3191 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	NEAL NEON	Pacific Bell
1990	Neal Neon signs	R. L. Polk Co. Publishers
1987	a No Return	R. L. Polk Co. Publishers
	Neal Neon signs	R. L. Polk Co. Publishers
1981	NEAL NEON sgns	The Pacific Telephone and Telegraph Company
	CGrner Gabrielle	The Pacific Telephone and Telegraph Company
	G OUDSWAARD ROLAND Neal Neon sgns	The Pacific Telephone and Telegraph Company
	Backman Doug	The Pacific Telephone and Telegraph Company
1976	Neal Neon	R. L. Polk Co. Publishers
1970	Santa Rosa Woodwork fuimr refinishaing	R. L. Polk Co. Publishers
1965	resident	R. L. Polk Co. Publishers
1961	Antone Jos C	R. L. Polk Co., Publishers

3200 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	ARTS TOWING	The Pacific Telephone and Telegraph Company
1976	Colletta Arthur	R. L. Polk Co. Publishers

Sebastopol Rd

3230 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	NORTH COAST FISHERIES INC	EDR Digital Archive
	NORTH COAST FISHERIES INC	EDR Digital Archive
2010	NORTH COAST FISHERIES INC	EDR Digital Archive
	NORTH COAST FISHERIES INC	EDR Digital Archive

FINDINGS

SEBASTOPOL RD

3230 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	North Coast Fisheries Inc	AT & T Yellow Pages
	Alcatraz Seafood	AT & T Yellow Pages
1994	SONOMA OFFSHORE	Pacific Bell
	PRODUCTS INC	Pacific Bell
	NORTH COAST	Pacific Bell
	FISHERIES INC	Pacific Bell
1990	Pacific Marine Products fish pkrs	R. L. Polk Co. Publishers
1987	Paladini Fisheries Of Ca fish pkrs	R. L. Polk Co. Publishers
1981	Seal Rock Fisheries Inc	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers
	Redwood Natural Foods health food dlrs	R. L. Polk Co. Publishers
	a Vacant	R. L. Polk Co. Publishers
1970	Burbank Dairy	R. L. Polk Co. Publishers
	Black Robt F	R. L. Polk Co. Publishers
1965	resident	R. L. Polk Co. Publishers
1961	Burbank Dairy	R. L. Polk Co., Publishers
	Black Robt F	R. L. Polk Co., Publishers
1958	Burbank Dairy	R. L. Polk Co., Publishers

3245 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Welch Dennis R	R. L. Polk Co. Publishers
1987	Welch Dennis R	R. L. Polk Co. Publishers
1976	Mc Adon Elton R	R. L. Polk Co. Publishers
1965	rear Cartmell Fred	R. L. Polk Co. Publishers
	resident	R. L. Polk Co. Publishers
1961	rear Jones Douglas B	R. L. Polk Co., Publishers
	Householder Bess Mrs	R. L. Polk Co., Publishers

3246 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Householder Bess A	R. L. Polk Co. Publishers

3250 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	King Sylvan	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	aDoty Melissa	R. L. Polk Co. Publishers
	bGallego Robt	R. L. Polk Co. Publishers
1987	a Vacant	R. L. Polk Co. Publishers
	b Vacant	R. L. Polk Co. Publishers

Sebastopol Rd

3260 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	PACIFIC TELESIS GROUP	EDR Digital Archive
	PACIFIC TELESIS GROUP	EDR Digital Archive
2010	PACIFIC TELESIS GROUP	EDR Digital Archive
	PACIFIC TELESIS GROUP	EDR Digital Archive

SEBASTOPOL RD

3260 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Pacific Bell	R. L. Polk Co. Publishers
1987	Pacific Bell	R. L. Polk Co. Publishers
1976	Salmensen Herbert	R. L. Polk Co. Publishers
1970	Solomons On Hazel Mrs	R. L. Polk Co. Publishers
1965	Solomonson Hazel Mrs	R. L. Polk Co. Publishers
1961	Solomonson Hazel Mrs	R. L. Polk Co., Publishers

Sebastopol Rd

3309 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SELVAGE CONCRETE PRODUCTS	EDR Digital Archive
	SELVAGE CONCRETE PRODUCTS	EDR Digital Archive
2010	SELVAGE CONCRETE PRODUCTS	EDR Digital Archive
	SELVAGE CONCRETE PRODUCTS	EDR Digital Archive

SEBASTOPOL RD

3309 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SELVAGE CONCRETE PRODUCTS INC	AT & T Yellow Pages
	FIELDS Bertha i	AT & T Yellow Pages

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	SELVAGE CONCRETE	Pacific Bell
	PRODUCTS INC	Pacific Bell
1990	Selvage Concrete Products Inc mfg & sis	R. L. Polk Co. Publishers
1987	Selvage Concrete Products Inc mfg	R. L. Polk Co. Publishers
1976	Selvage Concrete Products Inc mfg	R. L. Polk Co. Publishers
1970	Selvage Concrete Products inc septic tanks	R. L. Polk Co. Publishers
	Fields Terrell H	R. L. Polk Co. Publishers
1965	Selvage Concrete Products Inc septic tanks	R. L. Polk Co. Publishers
	Fields Terrell H	R. L. Polk Co. Publishers
1961	Selvage Concrete Products septic tanks	R. L. Polk Co., Publishers
	Fields Terrell H	R. L. Polk Co., Publishers

3313 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Powel George	R. L. Polk Co. Publishers
1987	Powell George	R. L. Polk Co. Publishers
1976	Powell George	R. L. Polk Co. Publishers
1970	Banthrall Robt L	R. L. Polk Co. Publishers
1965	Pearce Ronald	R. L. Polk Co. Publishers
1961	Crouch Denzle	R. L. Polk Co., Publishers

3315 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	SCOTT SEPTIC TANK	Pacific Bell
	SERVICE	Pacific Bell
1990	Scott Septic Tank Service	R. L. Polk Co. Publishers
1987	Scott Septic Tank Service	R. L. Polk Co. Publishers
1981	Scott Septic Tank Service	The Pacific Telephone and Telegraph Company
	I Scottf S	The Pacific Telephone and Telegraph Company
1976	Powell E	R. L. Polk Co. Publishers
1970	Vacant	R. L. Polk Co. Publishers
	Fields Terrell H	R. L. Polk Co. Publishers
1965	Bertino Pump & Sup Co	R. L. Polk Co. Publishers
	Bertino Wesley	R. L. Polk Co. Publishers
1961	Bertino Pump & Sup Co	R. L. Polk Co., Publishers

FINDINGS

3317 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	b Gonzalez Sergio	R. L. Polk Co. Publishers
	a No Return	R. L. Polk Co. Publishers
	Burr Shawn	R. L. Polk Co. Publishers
1987	b Gonzalez Sergio	R. L. Polk Co. Publishers
	Burr Shawn	R. L. Polk Co. Publishers
	a No Return	R. L. Polk Co. Publishers
1976	Florentine John W	R. L. Polk Co. Publishers
	a Vacant	R. L. Polk Co. Publishers
	b Stevenson Jay	R. L. Polk Co. Publishers
1970	Vacant	R. L. Polk Co. Publishers
	a Jackson Derrell F	R. L. Polk Co. Publishers
	b Fournier Calliste A	R. L. Polk Co. Publishers
1965	a Nephew D E	R. L. Polk Co. Publishers
	b Fournier Calliste A	R. L. Polk Co. Publishers
	Menucci Angelo	R. L. Polk Co. Publishers
1961	b Fournier Calliste A	R. L. Polk Co., Publishers
	a Menucci Angelo	R. L. Polk Co., Publishers

3321 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Charlies Barber Shop	R. L. Polk Co. Publishers
1965	Charlies Barber Shop	R. L. Polk Co. Publishers
1961	Charlies Barber Shop	R. L. Polk Co., Publishers

3323 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Vacant	R. L. Polk Co. Publishers
1987	Cogwheel Shop The auto repr	R. L. Polk Co. Publishers
1981	i Cohan Jim	The Pacific Telephone and Telegraph Company
	a Coggins T C	The Pacific Telephone and Telegraph Company
	COGWHEEL SHOP THE	The Pacific Telephone and Telegraph Company
1976	A & P Garage auto repr	R. L. Polk Co. Publishers
1970	Sykes Enco Service	R. L. Polk Co. Publishers
1965	Sykes Signal Serv gas sta	R. L. Polk Co. Publishers
1961	Sykes Signal Serv gas sta	R. L. Polk Co., Publishers

FINDINGS

3400 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Oscar	AT & T Yellow Pages
	Samuel	AT & T Yellow Pages
1981	Killian Reed	The Pacific Telephone and Telegraph Company
1970	Lackey Roland W	R. L. Polk Co. Publishers
1965	Siedentopf Al J	R. L. Polk Co. Publishers
1961	Durte Joe	R. L. Polk Co., Publishers

Sebastopol Rd

3445 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CALIKICKS MARTIAL ARTS ACADEMY	EDR Digital Archive
	UKIAH FIRE EQUIPMENT	EDR Digital Archive
	CALIKICKS MARTIAL ARTS ACADEMY	EDR Digital Archive
	UKIAH FIRE EQUIPMENT	EDR Digital Archive
2010	UKIAH FIRE EQUIPMENT	EDR Digital Archive
	MULTICULTURAL TAE KWON DO	EDR Digital Archive
	UKIAH FIRE EQUIPMENT	EDR Digital Archive
	MULTICULTURAL TAE KWON DO	EDR Digital Archive

SEBASTOPOL RD

3445 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Ukiah Fire Equipment Inc	AT & T Yellow Pages
1994	SANTA ROSA FIRE	Pacific Bell
	EQUIPMENT SERVICE	Pacific Bell
	Brisbin Rex M & Zella	Pacific Bell
1990	Brisbin Rex M	R. L. Polk Co. Publishers
	Santa Rosa Fire Equipment Service Inc	R. L. Polk Co. Publishers
1987	Brisbin Rex M	R. L. Polk Co. Publishers
	Santa Rosa Fire Equipment Service	R. L. Polk Co. Publishers
1981	Santa Rosa Firefighters Local 1401	The Pacific Telephone and Telegraph Company
	SERVICE INC	The Pacific Telephone and Telegraph Company
	Service	The Pacific Telephone and Telegraph Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Harris Donald R Santa Rosa Fire Equipment	The Pacific Telephone and Telegraph Company
	Brisbin Warren & Marguerite	The Pacific Telephone and Telegraph Company
	Brisbin Rex M & Zella	The Pacific Telephone and Telegraph Company
1976	Santa Rosa Fire Equipment	R. L. Polk Co. Publishers
1970	Rear Harris Don	R. L. Polk Co. Publishers
	Santa Rosa Fire Equipment	R. L. Polk Co. Publishers
1965	Evs Garage auto repr	R. L. Polk Co. Publishers
	Evs Volkswagon Center used cars	R. L. Polk Co. Publishers
	rear Steeves Everett	R. L. Polk Co. Publishers
1961	Garcia Julius C	R. L. Polk Co., Publishers

3447 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1961	Porier Brad	R. L. Polk Co., Publishers

3451 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Vacant	R. L. Polk Co. Publishers
1976	Fisher Craig	R. L. Polk Co. Publishers
1970	Yadon Gilbert	R. L. Polk Co. Publishers
1965	Laughlin Lloyd	R. L. Polk Co. Publishers
1961	Neal Kimble	R. L. Polk Co., Publishers

Sebastopol Rd

3455 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	REDWOOD EMPIRE CHINESE ASSOC	EDR Digital Archive
	REDWOOD EMPIRE CHINESE ASSOC	EDR Digital Archive
2010	REDWOOD EMPIRE CHINESE ASSOC	EDR Digital Archive
	REDWOOD EMPIRE CHINESE ASSOC	EDR Digital Archive

SEBASTOPOL RD

3455 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Redwood Empire Chinese Assoc	AT & T Yellow Pages
1994	Andrade Jesus P	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Andrade Jesus P	The Pacific Telephone and Telegraph Company
	Andrade M	The Pacific Telephone and Telegraph Company
1976	Andrade Jesus	R. L. Polk Co. Publishers
1970	Andrade Jesus	R. L. Polk Co. Publishers
1965	Andrade Jesus	R. L. Polk Co. Publishers
1961	Andrade Jesus	R. L. Polk Co., Publishers

3456 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Andrade Jesus P	R. L. Polk Co. Publishers

3461 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Vacant	R. L. Polk Co. Publishers

3463 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SOVUth	AT & T Yellow Pages
	CHING Anne	AT & T Yellow Pages
1990	Moody Clinton	R. L. Polk Co. Publishers
1987	Moody Clinton O O	R. L. Polk Co. Publishers
1976	Moody Clinton	R. L. Polk Co. Publishers
1970	Moody Clinton	R. L. Polk Co. Publishers
1965	Moody Clinton	R. L. Polk Co. Publishers
1961	Moody Clinton	R. L. Polk Co., Publishers

3465 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Vacant	R. L. Polk Co. Publishers

Sebastopol Rd

3475 Sebastopol Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ARNOLDO BARAJAS	EDR Digital Archive
	ARNOLDO BARAJAS	EDR Digital Archive
2010	ARNOLDO BARAJAS	EDR Digital Archive
	ARNOLDO BARAJAS	EDR Digital Archive

FINDINGS

SEBASTOPOL RD

3475 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BARAJAS Arnoldo	AT & T Yellow Pages
1994	Daniel A B & Cc	Pacific Bell
1990	Daniel C C	R. L. Polk Co. Publishers
1987	Daniel C C	R. L. Polk Co. Publishers
1981	Daniel C C	The Pacific Telephone and Telegraph Company
1976	Crawford Miriam Mrs	R. L. Polk Co. Publishers
1970	Crawford Norman	R. L. Polk Co. Publishers
1965	Crawford Norman	R. L. Polk Co. Publishers
1961	Bertino Eug J	R. L. Polk Co., Publishers

3600 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Stewart Harold Jr	Pacific Bell
1990	Stewart Harold Jr	R. L. Polk Co. Publishers
	Stewart Georgette L	R. L. Polk Co. Publishers
1987	Stewart Harold Jr	R. L. Polk Co. Publishers
	Stewart Georgette L	R. L. Polk Co. Publishers
1981	Stewart Georgette	The Pacific Telephone and Telegraph Company
1976	Stewart Georgette L	R. L. Polk Co. Publishers
1970	Stewart Harold L	R. L. Polk Co. Publishers
1965	Flowers John wood hauler	R. L. Polk Co. Publishers
	Flowers Orla	R. L. Polk Co. Publishers

3646 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	RICHARDS BERWYN DVM	Pacific Bell
1990	Berwyn Richard S	R. L. Polk Co. Publishers

3650 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Bulletti Mary	R. L. Polk Co. Publishers
1987	Bulletti Mary	R. L. Polk Co. Publishers
1976	Wall Lowell L	R. L. Polk Co. Publishers
1970	De Forest Ray E	R. L. Polk Co. Publishers
1965	De Forest Ray E	R. L. Polk Co. Publishers

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1961	Pedroni Horace	R. L. Polk Co., Publishers

3665 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Jensen Alice R Mrs	R. L. Polk Co. Publishers
1987	Jensen Alice R Mrs O	R. L. Polk Co. Publishers
1981	Jensen A R	The Pacific Telephone and Telegraph Company
1976	Jensen C T	R. L. Polk Co. Publishers
1970	Jensen C T	R. L. Polk Co. Publishers
1965	Jensen C T	R. L. Polk Co. Publishers
1961	Jensen C T	R. L. Polk Co., Publishers

3675 SEBASTOPOL RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1976	Vacant	R. L. Polk Co. Publishers
1970	Vacant	R. L. Polk Co. Publishers
1965	Daniels Hubert J	R. L. Polk Co. Publishers
1961	Daniels Hubert J	R. L. Polk Co., Publishers

SPRUCE

540 SPRUCE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Arnel	AT & T Yellow Pages
	GOMEZ A	AT & T Yellow Pages
	GOMEZ A	AT & T Yellow Pages
	GOMEZ A	AT & T Yellow Pages

543 SPRUCE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GOOSEY C Jerome	AT & T Yellow Pages
	GOOSEY C Jerome	AT & T Yellow Pages

548 SPRUCE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LEWIS Stephen	AT & T Yellow Pages
	T	AT & T Yellow Pages

FINDINGS

551 SPRUCE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HIMES Sarah	AT & T Yellow Pages
	HIMPHAYVANH Khongchanh	AT & T Yellow Pages
	Victoria M	AT & T Yellow Pages

575 SPRUCE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Casa Del Sol Office	AT & T Yellow Pages

590 SPRUCE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SHELTON Donald	AT & T Yellow Pages
	William L	AT & T Yellow Pages

598 SPRUCE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Edward	AT & T Yellow Pages
	THOMSON Bruce & Diane	AT & T Yellow Pages

599 SPRUCE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TITONEJ	AT & T Yellow Pages
	TITMAN Darlene	AT & T Yellow Pages
	Shan P	AT & T Yellow Pages
	TITMAN Darlene	AT & T Yellow Pages
	TITONEJ	AT & T Yellow Pages

607 SPRUCE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MOSES Albert	AT & T Yellow Pages
	MOSES Albert	AT & T Yellow Pages
	MOSES Albert	AT & T Yellow Pages
	C	AT & T Yellow Pages

622 SPRUCE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Alan & Jenny	AT & T Yellow Pages
	Alan & Jenny	AT & T Yellow Pages
	Gence	AT & T Yellow Pages
	Alan & Jenny	AT & T Yellow Pages

FINDINGS

623 SPRUCE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	COCHRANE Brock & Caudia	AT & T Yellow Pages

SPRUCE ST

527 SPRUCE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Thuener F	Pacific Bell

540 SPRUCE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Gilliland Bill	Pacific Bell

Spruce St

575 Spruce St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CASA DEL SOL TOWNEHOMES	EDR Digital Archive
	CASA DEL SOL TOWNEHOMES	EDR Digital Archive
2010	CASA DEL SOL TOWNEHOMES	EDR Digital Archive
	CASA DEL SOL TOWNEHOMES	EDR Digital Archive

SPRUCE ST

575 SPRUCE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	TOWNEHOMES	Pacific Bell
	CASA DEL SOL	Pacific Bell

Spruce St

623 Spruce St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	COCHRANE ROOF	EDR Digital Archive
	COCHRANE ROOF	EDR Digital Archive
2010	COCHRANE ROOF	EDR Digital Archive
	COCHRANE ROOF	EDR Digital Archive

FINDINGS

STEPHANIE

2517 STEPHANIE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MULLANEJean	AT & T Yellow Pages

STEPHANIE CT E

2401 STEPHANIE CT E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Azarvand Oscar	The Pacific Telephone and Telegraph Company

STEPHANIE CT W

2501 STEPHANIE CT W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Courcier Robt	The Pacific Telephone and Telegraph Company

2520 STEPHANIE CT W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Pomerinke Ron	The Pacific Telephone and Telegraph Company

TORREY PINE LN

536 TORREY PINE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ELMAOGLU Ani	AT & T Yellow Pages

553 TORREY PINE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	OLSEN A	AT & T Yellow Pages
	Kevin J	AT & T Yellow Pages

Torrey Pine Ln

554 Torrey Pine Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	FEY INSURANCE SERVICE INC	EDR Digital Archive
	FEY INSURANCE SERVICE INC	EDR Digital Archive
2010	FEY INSURANCE SERVICE INC	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	FEY INSURANCE SERVICE INC	EDR Digital Archive

TORREY PINE LN

555 TORREY PINE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Frances	AT & T Yellow Pages
	Jennifer	AT & T Yellow Pages

Torrey Pine Ln

559 Torrey Pine Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	MAYES & ASSOC	EDR Digital Archive
	MAYES & ASSOC	EDR Digital Archive

TORREY PINE LN

559 TORREY PINE LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MAYES Carolyn	AT & T Yellow Pages

W JASMINE CIR

705 W JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SILVA Burt & Angela	AT & T Yellow Pages
	Edward	AT & T Yellow Pages

716 W JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Jeff	AT & T Yellow Pages
	Nola	AT & T Yellow Pages
	ROCK Beverly	AT & T Yellow Pages
	LINN Aung	AT & T Yellow Pages

W Jasmine Cir

718 W Jasmine Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	GWS HANDYMAN SERVICE	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	GWS HANDYMAN SERVICE	EDR Digital Archive
2010	GWS HANDYMAN SERVICE	EDR Digital Archive
	GWS HANDYMAN SERVICE	EDR Digital Archive

W JASMINE CIR

722 W JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	AMADOR Angel	AT & T Yellow Pages
	Jackie	AT & T Yellow Pages

W Jasmine Cir

726 W Jasmine Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LOVITT TAMMY	EDR Digital Archive
	LOVITT TAMMY	EDR Digital Archive

W JASMINE CIR

734 W JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BENZON Dan & Debbie	AT & T Yellow Pages
	Nickole	AT & T Yellow Pages

W Jasmine Cir

740 W Jasmine Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	LATOURETTE DAVID K LATOUR	EDR Digital Archive
	TRAIN TO ENDURE	EDR Digital Archive
	LATOURETTE DAVID K LATOUR	EDR Digital Archive
	TRAIN TO ENDURE	EDR Digital Archive

W JASMINE CIR

746 W JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Jennifer	AT & T Yellow Pages
	FORD A	AT & T Yellow Pages

FINDINGS

W Jasmine Cir

748 W Jasmine Cir

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MEYERS PAUL	EDR Digital Archive
	MEYERS PAUL	EDR Digital Archive
2010	MEYERS PAUL	EDR Digital Archive
	MEYERS PAUL	EDR Digital Archive

W JASMINE CIR

750 W JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	DANDREA Ken	AT & T Yellow Pages

760 W JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Eri	AT & T Yellow Pages

764 W JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MIRCH BROWN Ashley	AT & T Yellow Pages

766 W JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	POUPARD U M	AT & T Yellow Pages

768 W JASMINE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LABADIE Michael	AT & T Yellow Pages

W JOSEPH CT

2500 W JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	KUOK Steven	AT & T Yellow Pages
1990	MCrandell Doug	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers
1976	Rasmussen Michl	R. L. Polk Co. Publishers

FINDINGS

2501 W JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Hansen Jeffrey C	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers
1976	Vacant	R. L. Polk Co. Publishers

2504 W JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Pence Irene	R. L. Polk Co. Publishers
1987	Pence Irene	R. L. Polk Co. Publishers
1976	Parker David	R. L. Polk Co. Publishers

2505 W JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Cartos	AT & T Yellow Pages
	Jessica	AT & T Yellow Pages
1990	Koon James H	R. L. Polk Co. Publishers
1987	Marks Dennis L	R. L. Polk Co. Publishers
1976	Marzullo Tony L	R. L. Polk Co. Publishers

2508 W JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SUCHON Anthony C	AT & T Yellow Pages
1990	Suchom Anthony C	R. L. Polk Co. Publishers
1987	Suchom Anthony C	R. L. Polk Co. Publishers
1981	Kabis Helen M	The Pacific Telephone and Telegraph Company
	KZST FM 100	The Pacific Telephone and Telegraph Company

2509 W JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Juli	AT & T Yellow Pages
	VARGAS Aida	AT & T Yellow Pages
1990	Sanders Mary	R. L. Polk Co. Publishers
1987	Sanders Mary	R. L. Polk Co. Publishers
1981	Mc Gitlicuddy Julie	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

FINDINGS

2512 W JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Lopez Ralph E	R. L. Polk Co. Publishers
1987	Lopez Ralph E	R. L. Polk Co. Publishers
1981	Lopez Ralph & Claudia	The Pacific Telephone and Telegraph Company

2513 W JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LUTTER Terry	AT & T Yellow Pages
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1976	Spratling D	R. L. Polk Co. Publishers

2516 W JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Nick C	AT & T Yellow Pages
	REED Grover M	AT & T Yellow Pages
1990	Reed Nick C	R. L. Polk Co. Publishers
1987	Reed Nick C	R. L. Polk Co. Publishers
1981	Reed Nick C	The Pacific Telephone and Telegraph Company

2517 W JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Blodgett Byron M	R. L. Polk Co. Publishers
1987	Morboli Betty	R. L. Polk Co. Publishers
1981	Johns R & B	The Pacific Telephone and Telegraph Company
1976	Bianchi Coralee B Mrs	R. L. Polk Co. Publishers

2520 W JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Rochelle Nicole	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers
1981	Mies Aneare	The Pacific Telephone and Telegraph Company
	I Miles B	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

FINDINGS

2521 W JOSEPH CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ROBERTSON Andrew C	AT & T Yellow Pages
1990	Novak Ronald J	R. L. Polk Co. Publishers
1987	Vacant	R. L. Polk Co. Publishers
1981	Anderlohr Geo	The Pacific Telephone and Telegraph Company
1976	Wiodarczye Mike	R. L. Polk Co. Publishers

W STEPHANIE CT

2500 W STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Galvez Evelyn	R. L. Polk Co. Publishers

2501 W STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Port Dean W	R. L. Polk Co. Publishers
1987	Port Dean W	R. L. Polk Co. Publishers

2504 W STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	FERRUSCA Carlos Vega	AT & T Yellow Pages
1990	Walker Dolores M	R. L. Polk Co. Publishers
1987	Wyatt Charles E	R. L. Polk Co. Publishers
1976	Mc Kenna Jerry	R. L. Polk Co. Publishers

2505 W STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Duncan Mary E	R. L. Polk Co. Publishers
1987	Duncan Mary E	R. L. Polk Co. Publishers
1981	Frenaye Duncan W & MI	The Pacific Telephone and Telegraph Company
1976	Vacant	R. L. Polk Co. Publishers

2508 W STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Mc Collif Mickel	R. L. Polk Co. Publishers
1987	James Lawrence P	R. L. Polk Co. Publishers
1981	Mason Wilbur.....	The Pacific Telephone and Telegraph Company
	Mason Wesley A	The Pacific Telephone and Telegraph Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	Mason Wm H Dr podtrst	The Pacific Telephone and Telegraph Company
1976	Roberson Robt D	R. L. Polk Co. Publishers

2509 W STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Plckett Joe	R. L. Polk Co. Publishers
1987	Hilton Kenneth	R. L. Polk Co. Publishers
1981	Thill Ltloyd A II Merced Av.....	The Pacific Telephone and Telegraph Company
	Thill Lester i SOOteam Av	The Pacific Telephone and Telegraph Company
	Thill Larry J	The Pacific Telephone and Telegraph Company
1976	Horn Donny	R. L. Polk Co. Publishers

2512 W STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Blair Donald	R. L. Polk Co. Publishers
1987	Blair	R. L. Polk Co. Publishers
1976	Erskine Dale	R. L. Polk Co. Publishers

2513 W STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Homer Gertrude K Mrs	R. L. Polk Co. Publishers
1987	Horner Gertrude K Mrs	R. L. Polk Co. Publishers
1981	Korness Roy	The Pacific Telephone and Telegraph Company
	Homer Wm N	The Pacific Telephone and Telegraph Company
	Homey E A	The Pacific Telephone and Telegraph Company
1976	Homer Wm N	R. L. Polk Co. Publishers

2516 W STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Smith Jewel	R. L. Polk Co. Publishers
1981	Kerrigan John B	The Pacific Telephone and Telegraph Company
1976	Abrahamson Larry A	R. L. Polk Co. Publishers

FINDINGS

2517 W STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MULLANE Jean	AT & T Yellow Pages
1990	Serio Robt D	R. L. Polk Co. Publishers
1987	Serio Robt D	R. L. Polk Co. Publishers
1976	Serio Robt D	R. L. Polk Co. Publishers

2520 W STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1987	Crosson Don	R. L. Polk Co. Publishers
1976	Pomerihke Ronald G	R. L. Polk Co. Publishers

2521 W STEPHANIE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Roy	AT & T Yellow Pages
	ENGEL Bob & Pat	AT & T Yellow Pages
1990	Engel Roy	R. L. Polk Co. Publishers
1987	Engel Roy	R. L. Polk Co. Publishers
1981	Engel Roy	The Pacific Telephone and Telegraph Company
1976	Engel Ray	R. L. Polk Co. Publishers

WILKEY

917 WILKEY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Marina A	AT & T Yellow Pages

937 WILKEY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SILVA Burt & Angela	AT & T Yellow Pages
	SILVA Burt & Angela	AT & T Yellow Pages
	SILVA Burt & Angela	AT & T Yellow Pages
	SILVA Burt & Angela	AT & T Yellow Pages
	SILVA Burt & Angela	AT & T Yellow Pages

WILKEY CT

913 WILKEY CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Reyna	AT & T Yellow Pages

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Kathy	AT & T Yellow Pages
1990	Llewellyn Danny G	R. L. Polk Co. Publishers
1987	Perez Velvet A	R. L. Polk Co. Publishers

917 WILKEY CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Irma	AT & T Yellow Pages
	SALDANA A	AT & T Yellow Pages
	Sergio	AT & T Yellow Pages
	Marina A	AT & T Yellow Pages
1990	Ellsworth John N	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

921 WILKEY CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Eleazar	AT & T Yellow Pages
	VILLANUEVA Adrlana	AT & T Yellow Pages
1990	Ballard Angel V	R. L. Polk Co. Publishers
1987	Ballard Angel V	R. L. Polk Co. Publishers

925 WILKEY CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

929 WILKEY CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Salvador	AT & T Yellow Pages
	MARTINEZ Revecca	AT & T Yellow Pages
1994	Voeirn Lorng	Pacific Bell
1990	Harris David	R. L. Polk Co. Publishers
1987	Harris David	R. L. Polk Co. Publishers

933 WILKEY CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R. L. Polk Co. Publishers
1987	No Return	R. L. Polk Co. Publishers

FINDINGS

935 WILKEY CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Ruano T	R. L. Polk Co. Publishers
1987	Ruano T	R. L. Polk Co. Publishers

937 WILKEY CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SILVA Burt & Angela	AT & T Yellow Pages
	Israel	AT & T Yellow Pages
1990	Ruano Tom E	R. L. Polk Co. Publishers

WISTERIA

646 WISTERIA

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BROWN Jim And Sue	AT & T Yellow Pages

649 WISTERIA

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Fredrick & Nichole	AT & T Yellow Pages

WISTERIA LN

628 WISTERIA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Mc Clish Angel	Pacific Bell

Wisteria Ln

630 Wisteria Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	STONE AGE VENUS PRODUCTIONS	EDR Digital Archive
	STONE AGE VENUS PRODUCTIONS	EDR Digital Archive

WISTERIA LN

632 WISTERIA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PHAN Anh	AT & T Yellow Pages

FINDINGS

642 WISTERIA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	JOHNSON Kelly & Shelly Christiansen	AT & T Yellow Pages
	Leonard	AT & T Yellow Pages

646 WISTERIA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BROWN Jim And Sue	AT & T Yellow Pages
	WALSTON Wesley	AT & T Yellow Pages
	Leisa	AT & T Yellow Pages

649 WISTERIA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Jr John	AT & T Yellow Pages
	Fredrick & Nichole	AT & T Yellow Pages

Wisteria Ln

650 Wisteria Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	BARDIS TERESA	EDR Digital Archive
	BARDIS TERESA	EDR Digital Archive

WISTERIA LN

650 WISTERIA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BARDIS Louis C	AT & T Yellow Pages

Wisteria Ln

652 Wisteria Ln

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	DAVID ELLIS	EDR Digital Archive
	DAVID ELLIS	EDR Digital Archive

WISTERIA LN

653 WISTERIA LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HM	AT & T Yellow Pages
	Kirby	AT & T Yellow Pages

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
1000 Apollo Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1000 Apollo Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1001 FRESNO	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1001 FRESNO AVE	2014, 2010, 1994, 1958, 1953, 1947, 1935, 1930
1001 Fresno Ave	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1001 Fresno Ave	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1006 KENMORE LN	2014, 2010, 2006, 1994, 1981, 1961, 1958, 1953, 1947, 1935, 1930
1009 KENMORE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1009 KENMORE LN	2014, 2010, 1953, 1947, 1935, 1930
1014 KENMORE LN	2014, 2010, 2006, 1994, 1953, 1947, 1935, 1930
1019 KENMORE LN	2014, 2010, 2006, 1994, 1981, 1953, 1947, 1935, 1930
1019 Kenmore Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1019 Kenmore Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1021 KENMORE LN	2014, 2010, 2006, 1953, 1947, 1935, 1930
1022 KENMORE LN	2014, 2010, 2006, 1981, 1953, 1947, 1935, 1930
1025 KENMORE LN	2014, 2010, 2006, 1953, 1947, 1935, 1930
1030 Apollo Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1030 Apollo Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1030 KENMORE LN	2014, 2010, 2006, 1994, 1981, 1953, 1947, 1935, 1930
1035 KENMORE LN	2014, 2010, 1994, 1953, 1947, 1935, 1930
1038 KENMORE LN	2014, 2010, 2006, 1994, 1953, 1947, 1935, 1930
1046 KENMORE LN	2014, 2010, 1994, 1953, 1947, 1935, 1930
1047 KENMORE LN	2014, 2010, 2006, 1994, 1981, 1953, 1947, 1935, 1930
1047 Kenmore Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

FINDINGS

Address Researched

Address Not Identified in Research Source

1047 Kenmore Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1052 KENMORE LN	2014, 2010, 1981, 1953, 1947, 1935, 1930
1061 FRESNO	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1061 FRESNO AVE	2014, 2010, 1994, 1981, 1958, 1953, 1947, 1935, 1930
1071 FRESNO AVE	2014, 2010, 1958, 1953, 1947, 1935, 1930
1079 LOMBARDI LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1083 LOMBARDI LN	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1085 PIPPIN CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1086 Pippin Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1086 Pippin Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1089 LOMBARDI	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1089 LOMBARDI LN	2014, 2010, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1090 PIPPIN CIR	2014, 2010, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1093 PIPPIN CIR	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1097 PIPPIN CIR	2014, 2010, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1101 FRESNO AVE	2014, 2010, 2006, 1958, 1953, 1947, 1935, 1930
1101 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1101 MARBLE ST	2014, 2010, 2006, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1101 Marble St	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1101 Marble St	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1101 PIPPIN CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1102 PIPPIN CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1103 PIPPIN CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1105 MARBLE ST	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1105 MARBLE WAY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

FINDINGS

Address Researched

Address Not Identified in Research Source

1109 MARBLE ST	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1109 MARBLE WAY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1109 PIPPIN CIR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1110 PIPPIN CIR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1113 MARBLE ST	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1115 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1115 PIPPIN CIR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1115 Pippin Cir	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1115 Pippin Cir	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1116 PIPPIN CIR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1117 MARBLE ST	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1121 PIPPIN CIR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1122 PIPPIN CIR	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1127 PIPPIN CIR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1127 Pippin Cir	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1127 Pippin Cir	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1128 PIPPIN CIR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1129 FRESNO AVE	2014, 2010, 2006, 1994, 1958, 1953, 1947, 1935, 1930
1129 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1133 PIPPIN CIR	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1134 PIPPIN CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1139 FRESNO AVE	2014, 2010, 2006, 1958, 1953, 1947, 1935, 1930
1139 Fresno Ave	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1139 Fresno Ave	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1139 PIPPIN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

FINDINGS

Address Researched

Address Not Identified in Research Source

1139 PIPPIN CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1140 PIPPIN CIR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1143 FRESNO AVE	2014, 2010, 2006, 1994, 1981, 1958, 1953, 1947, 1935, 1930
1143 LOMBARDI	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1143 LOMBARDI LN	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1145 PIPPIN CIR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1151 PIPPIN CIR	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1157 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1157 PIPPIN CIR	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1163 PIPPIN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1163 PIPPIN CIR	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1169 PIPPIN CIR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1170 LOMBARDI	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1175 LOMBARDI LN	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1177 LOMBARDI	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1200 LOMBARDI LN	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1200 Lombardi Ln	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1200 Lombardi Ln	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1201 Corporate Center Pkwy	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1201 Corporate Center Pkwy	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1201 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1201 MARBLE ST	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1201 MARBLE WAY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1202 APPOLLO WAY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1203 MARBLE ST	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1204 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

FINDINGS

Address Researched

Address Not Identified in Research Source

1205 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1205 MARBLE ST	2014, 2010, 2006, 1994, 1990, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1205 MARBLE WAY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1206 MARBLE ST	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1208 LOMBARDI LN	2014, 2010, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1209 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1209 MARBLE ST	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1209 MARBLE WAY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1212 LOMBARDI LN	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1213 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1213 MARBLE ST	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1216 LOMBARDI LN	2014, 2010, 2006, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1217 LOMBARDI	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1217 LOMBARDI LN	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1217 MARBLE WAY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1220 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1221 LOMBARDI LN	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1224 LOMBARDI	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1224 LOMBARDI LN	2014, 2010, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1224 Lombardi Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1224 Lombardi Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1225 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1228 LOMBARDI LN	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1229 LOMBARDI LN	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1232 LOMBARDI	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1232 LOMBARDI LN	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1233 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

FINDINGS

Address Researched

Address Not Identified in Research Source

1234 APOLLO WAY	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1234 Apollo Way	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1234 Apollo Way	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1236 Lombardi Ln	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1236 Lombardi Ln	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1236 LOMBARDI LN	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1237 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1240 LOMBARDI LN	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1240 Lombardi Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1240 Lombardi Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1241 LOMBARDI	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1241 LOMBARDI LN	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1241 Lombardi Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1241 Lombardi Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1244 Apollo Way	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1244 Apollo Way	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1244 APPOLLO WAY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1244 LOMBARDI	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1244 LOMBARDI LN	2014, 2010, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1244 Lombardi Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1244 Lombardi Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1245 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1249 LOMBARDI	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1249 LOMBARDI LN	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1253 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1264 APOLLO WAY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Researched

Address Not Identified in Research Source

1264 Apollo Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1264 Apollo Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1264 APPOLLO WAY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1269 Corporate Center Pkwy	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1269 Corporate Center Pkwy	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1269 CORPORATE CENTER PKY	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1269 LOMBARDI	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1301 LOMBARDI	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1301 LOMBARDI LN	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1305 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1308 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1309 LOMBARDI	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1309 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1313 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1316 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1317 LOMBARDI LN	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1321 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1321 Lombardi Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1321 Lombardi Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1325 LOMBARDI LN	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1326 LOMBARDI LN	2014, 2010, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1329 LOMBARDI LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1375 Corporate Center Pkwy	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1375 Corporate Center Pkwy	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1375 CORPORATE CENTER PKY	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Researched

Address Not Identified in Research Source

1377 Corporate Center Pkwy	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1377 Corporate Center Pkwy	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1378 Corporate Center Pkwy	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1378 Corporate Center Pkwy	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1403 Corporate Center Pkwy	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1403 Corporate Center Pkwy	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1403 CORPORATE CENTER PKY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1408 Corporate Center Pkwy	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1408 Corporate Center Pkwy	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1425 Corporate Center Pkwy	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1425 Corporate Center Pkwy	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1425 CORPORATE CENTER PKY	2014, 2010, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1427 CORPORATE CENTER PKY	2014, 2010, 2006, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1435 CORPORATE CENTER PKY	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
1455 CORPORATE CENTER PKY	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2015 Sebastopol Rd	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2015 Sebastopol Rd	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2017 Lazzini Ave	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2017 Lazzini Ave	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2019 Sebastopol Rd	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2019 Sebastopol Rd	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2025 Sebastopol Rd	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2025 Sebastopol Rd	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2033 Lazzini Ave	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Researched

Address Not Identified in Research Source

2033 Lazzini Ave	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2042 MARBLE ST	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2043 MARBLE ST	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2054 MARBLE ST	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2055 SEBASTOPOL RD	2014, 2010, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2055 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2055 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2075 OCCIDENTAL RD	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2125 OCCIDENTAL RD	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2125 Occidental Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2125 Occidental Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2130 RACHEL DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2133 QUINTIN PL	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2135 QUINTIN PL	2014, 2010, 2006, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2137 QUINTIN PL	2014, 2010, 2006, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2138 RACHEL	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2138 RACHEL DR	2014, 2010, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2139 QUINTIN PL	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2141 QUINTIN PL	2014, 2010, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2141 RACHEL	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2141 RACHEL DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2143 QUINTIN PL	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2145 QUINTIN PL	2014, 2010, 1987, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2146 QUINTIN PL	2014, 2010, 2006, 1994, 1990, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2146 RACHEL DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2147 QUINTIN PL	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
2147 RACHEL DR	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2148 RACHEL DR	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2149 QUINTIN PL	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2149 Rachel Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2149 Rachel Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2150 RACHEL DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2151 QUINTIN PL	2014, 2010, 1994, 1987, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2151 QUNTIN PL	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2151 RACHEL DR	2014, 2010, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2151 Rachel Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2151 Rachel Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2153 QUINTIN PL	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2153 RACHEL	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2153 RACHEL DR	2014, 2010, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2158 GARDNER AVE	2014, 2010, 1994, 1981, 1953, 1947, 1935, 1930
2158 RACHEL DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2161 QUINTIN PL	2014, 2010, 2006, 1994, 1990, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2163 RACHEL DR	2014, 2010, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2165 RACHEL	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2165 RACHEL DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2166 GARDNER AVE	2014, 2010, 1994, 1953, 1947, 1935, 1930
2166 RACHEL DR	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2168 RACHEL DR	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2172 RACHEL DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2175 RACHEL	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
2175 RACHEL DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2179 RACHEL DR	2014, 2010, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2185 OCCIDENTAL RD	2014, 2010, 1990, 1987, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2185 Occidental Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2185 Occidental Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2200 CAMPBELL DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2200 Capricorn Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2200 GARDNER AVE	2014, 2010, 1953, 1947, 1935, 1930
2200 MERCURY WAY	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2200 Mercury Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2200 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1958, 1953, 1947, 1935, 1930
2201 QUINTIN PL	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2204 CAMPBELL DR	2014, 2010, 2006, 1994, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2205 CAMPBELL DR	2014, 2010, 2006, 1994, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2206 GARDNER AVE	2014, 2010, 2006, 1961, 1958, 1953, 1947, 1935, 1930
2208 CAMPBELL DR	2014, 2010, 1994, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2208 GARDNER	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2208 GARDNER AVE	2014, 2010, 1981, 1961, 1958, 1953, 1947, 1935, 1930
2209 CAMPBELL DR	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2212 CAMPBELL DR	2014, 2010, 2006, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2212 GARDNER AVE	2014, 2010, 2006, 1994, 1953, 1947, 1935, 1930
2213 CAMPBELL DR	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2216 CAMPBELL DR	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2217 CAMPBELL DR	2014, 2010, 2006, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2220 CAMPBELL DR	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2220 SEBASTOPOL RD	2014, 2010, 1981, 1958, 1953, 1947, 1935, 1930
2220 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2220 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2221 MALIN PL	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
2223 MALIN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2223 MALIN PL	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2224 CAMPBELL DR	2014, 2010, 2006, 1994, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2225 CAPRICORN WAY	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2225 CHALLENGER WAY	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2225 Challenger Way	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2225 Challenger Way	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2225 MALIN PL	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2227 CAPRICORN WAY	2014, 2010, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2227 Capricorn Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2227 Capricorn Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2227 MALIN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2227 MALIN PL	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2228 CAMPBELL DR	2014, 2010, 2006, 1994, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2229 MALIN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2229 MALIN PL	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2230 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2231 MALIN PL	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2232 CAMPBELL DR	2014, 2010, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2232 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2233 CAMPBELL DR	2014, 2010, 2006, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2234 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2235 CAMPBELL DR	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2235 CHALLENGER WAY	2014, 2010, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2235 Challenger Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2235 Challenger Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2235 Mercury Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Researched

Address Not Identified in Research Source

2235 Mercury Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2235 MERCURY WAY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2236 CAMPBELL DR	2014, 2010, 2006, 1994, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2236 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2237 CAMPBELL DR	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2238 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2239 CAMPBELL DR	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2240 CAMPBELL DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2240 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2241 CAMPBELL DR	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2242 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2244 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2245 Challenger Way	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2245 Challenger Way	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2245 CHALLENGER WAY	2014, 2010, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2246 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2248 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2250 Apollo Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2250 Apollo Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2250 APPOLLO WAY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2250 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2252 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2254 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2255 CHALLENGER	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2255 CHALLENGER WAY	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2255 Challenger Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Researched

Address Not Identified in Research Source

2255 Challenger Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2255 GARDNER AVE	2014, 2010, 1994, 1981, 1961, 1958, 1953, 1947, 1935, 1930
2256 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2258 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2260 Apollo Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2260 Apollo Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2260 APOLLO WAY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2260 APPOLLO WAY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2260 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2261 GARDNER	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2261 GARDNER AVE	2014, 2010, 1994, 1958, 1953, 1947, 1935, 1930
2262 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2262 GARDNER AVE	2014, 2010, 1994, 1953, 1947, 1935, 1930
2263 GARDNER AVE	2014, 2010, 2006, 1994, 1953, 1947, 1935, 1930
2264 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2266 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2268 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2270 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2272 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2274 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2276 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2278 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2280 Challenger Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2301 Circadian Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2301 Circadian Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
2301 CIRCADIAN WAY	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2305 Circadian Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2305 Circadian Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2306 GARDNER AVE	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1953, 1947, 1935, 1930
2307 Circadian Way	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2307 Circadian Way	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2309 GARDNER AVE	2014, 2010, 2006, 1990, 1987, 1958, 1953, 1947, 1935, 1930
2310 GARDNER AVE	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1953, 1947, 1935, 1930
2313 GARDNER AVE	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1958, 1953, 1947, 1935, 1930
2317 GARDNER AVE	2014, 2010, 2006, 1994, 1990, 1987, 1958, 1953, 1947, 1935, 1930
2321 CIRCADIAN WAY	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2321 Circadian Way	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2321 Circadian Way	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2321 FLAGSTONE WAY	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2321 GARDNER AVE	2014, 2010, 2006, 1994, 1990, 1987, 1958, 1953, 1947, 1935, 1930
2322 FLAGSTONE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2322 FLAGSTONE WAY	2014, 2010, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2325 FLAGSTONE WAY	2014, 2010, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2326 FLAGSTONE WAY	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2327 GARDNER AVE	2014, 2010, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2329 CIRCADIAN WAY	2014, 2010, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2329 Circadian Way	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2329 Circadian Way	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2330 Circadian Way	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2330 Circadian Way	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2330 CIRCADIAN WAY	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2331 CIRCADIAN WAY	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
2331 Circadian Way	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2331 Circadian Way	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2331 Gardner Ave	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2331 Gardner Ave	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2335 CIRCADIANT WAY	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2345 CIRCADIANT WAY	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2345 Circadian Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2345 Circadian Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2347 CIRCADIANT WAY	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2349 CIRCADIANT WAY	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2349 Circadian Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2349 Circadian Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2351 Circadian Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2351 Circadian Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2351 CIRCADIANT WAY	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2363 CIRCADIANT WAY	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2371 CIRCADIANT WAY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2371 Circadian Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2371 Circadian Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2373 Circadian Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2373 Circadian Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2391 Circadian Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2391 Circadian Way	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2391 CIRCADIANT WAY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
24 Leisure Park Cir	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Not Identified in Research Source

24 Leisure Park Cir	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2400 DIXIE PL	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2400 E JOSEPH CT	2014, 2010, 2006, 1994, 1987, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2400 E STEPHANIE CT	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2400 GARDNER AVE	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2400 MARTY CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2401 CAMPBELL DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2401 DIXIE PL	2014, 2010, 2006, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2401 E JOSEPH CT	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2401 E STEPHANIE CT	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2401 JOSEPH CT E	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2401 STEPHANIE CT E	2014, 2010, 2006, 1994, 1990, 1987, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2404 DIXIE PL	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2404 E JOSEPH CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2404 E STEPHANIE CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2404 GARDNER	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2404 GARDNER AVE	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2404 JOSEPH CT E	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2405 CAMPBELL DR	2014, 2010, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2405 DIXIE PL	2014, 2010, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2405 E JOSEPH CT	2014, 2010, 2006, 1994, 1987, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2405 E STEPHANIE CT	2014, 2010, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2405 JOSEPH COURT AST	2014, 2010, 2006, 1994, 1990, 1987, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2406 E JOSEPH CT	2014, 2010, 2006, 1994, 1990, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2406 MARTY CT	2014, 2010, 2006, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2408 DIXIE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2408 DIXIE PL	2014, 2010, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2408 E JOSEPH CT	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Not Identified in Research Source

2408 E STEPHANIE CT	2014, 2010, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2408 GARDNER AVE	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2409 CAMPBELL DR	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2409 DIXIE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2409 DIXIE PL	2014, 2010, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2409 Dixie PI	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2409 Dixie PI	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2409 E JOSEPH CT	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2409 E STEPHANIE CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2412 DIXIE PL	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2412 E JOSEPH CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2412 E STEPHANIE CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2412 GARDNER AVE	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2412 MARTY CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2413 DIXIE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2413 DIXIE PL	2014, 2010, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2413 E JOSEPH CT	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2413 E STEPHANIE CT	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2415 CAMPBELL DR	2014, 2010, 2006, 1994, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2416 DIXIE PL	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2416 E JOSEPH CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2416 E STEPHANIE CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2416 GARDNER AVE	2014, 2010, 2006, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2417 DIXIE PL	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2417 E JOSEPH CT	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2417 E STEPHANIE CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2418 MARTY CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2420 DIXIE PL	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2420 E JOSEPH CT	2014, 2010, 2006, 1994, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2420 E STEPHANIE CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2420 GARDNER AVE	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Not Identified in Research Source

2420 Gardner Ave	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2420 Gardner Ave	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2421 Dixie Pl	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2421 Dixie Pl	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2421 DIXIE PL	2014, 2010, 2006, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2421 E JOSEPH CT	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2421 E STEPHANIE CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2421 MARILYN CT	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2424 DIXIE PL	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2424 E JOSEPH CT	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2424 E STEPHANIE CT	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2424 GARDNER	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2424 GARDNER AVE	2014, 2010, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2424 JOSEPH	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2424 MARTY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2424 MARTY CT	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2425 DIXIE PL	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2425 Dixie Pl	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2425 Dixie Pl	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2425 E JOSEPH CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2425 E STEPHANIE CT	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2425 JOSEPH CT E	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2427 MARILYN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2427 MARILYN CT	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2428 DIXIE PL	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2429 MARTY CT	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2430 MARTY CT	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2433 MARILYN CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
2436 CAMPBELL DR	2014, 2010, 2006, 1994, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2439 MARILYN CT	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2442 CAMPBELL DR	2014, 2010, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2445 MARILYN CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2448 CAMPBELL DR	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2451 MARILYN CT	2014, 2010, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2451 Marilyn Ct	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2451 Marilyn Ct	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2454 CAMPBELL DR	2014, 2010, 2006, 1994, 1987, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2464 CAMPBELL DR	2014, 2010, 2006, 1994, 1990, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2475 SEBASTOPOL RD	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2480 SEBASTOPOL	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2480 SEBASTOPOL RD	2014, 2010, 1994, 1958, 1953, 1947, 1935, 1930
2480 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2480 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2500 CAMPBELL DR	2014, 2010, 2006, 1994, 1990, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2500 DIXIE PL	2014, 2010, 2006, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2500 Dixie Pl	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2500 Dixie Pl	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2500 GARDNER AVE	2014, 2010, 2006, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2500 JOSEPH CT W	2014, 2010, 2006, 1994, 1990, 1987, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2500 W JOSEPH CT	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2500 W STEPHANIE CT	2014, 2010, 2006, 1994, 1990, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2501 CAMPBELL DR	2014, 2010, 2006, 1994, 1990, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2501 DIXE PL	2014, 2010, 2006, 1994, 1990, 1987, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2501 DIXIE PL	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2501 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Researched

Address Not Identified in Research Source

2501 STEPHANIE CT W	2014, 2010, 2006, 1994, 1990, 1987, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2501 W JOSEPH CT	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2501 W STEPHANIE CT	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2503 GIFFEN AVE	2014, 2010, 2006, 1994, 1953, 1947, 1935, 1930
2504 DIXIE PL	2014, 2010, 2006, 1994, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2504 GARDNER AVE	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2504 Joseph Ct W	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2504 Joseph Ct W	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2504 W JOSEPH CT	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2504 W STEPHANIE CT	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2505 CAMPBELL DR	2014, 2010, 1990, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2505 DIXIE PL	2014, 2010, 2006, 1994, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2505 W JOSEPH CT	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2505 W STEPHANIE CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2508 DIXIE PL	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2508 Dixie PI	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2508 Dixie PI	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2508 GARDNER AVE	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2508 W JOSEPH CT	2014, 2010, 1994, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2508 W STEPHANIE CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2509 DANIEL CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2509 DIXIE PL	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2509 JOSEPH	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2509 W JOSEPH CT	2014, 2010, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2509 W STEPHANIE CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2510 CAMPBELL DR	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2512 DIXIE PL	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2512 Dixie PI	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2512 Dixie PI	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Not Identified in Research Source

2512 W JOSEPH CT	2014, 2010, 2006, 1994, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2512 W STEPHANIE CT	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2513 DIXIE PL	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2513 W JOSEPH CT	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2513 W STEPHANIE CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2515 DANIEL	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2515 DANIEL CT	2014, 2010, 2006, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2515 DANIEL CT S	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2516 DIXIE PL	2014, 2010, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2516 GARDNER AVE	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2516 JOSEPH	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2516 W JOSEPH CT	2014, 2010, 1994, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2516 W STEPHANIE CT	2014, 2010, 2006, 1994, 1990, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2517 DIXIE PL	2014, 2010, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2517 STEPHANIE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2517 W JOSEPH CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2517 W STEPHANIE CT	2014, 2010, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2520 CAMPBELL DR	2014, 2010, 2006, 1994, 1990, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2520 DIXIE PL	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2520 GARDNER AVE	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2520 STEPHANIE CT W	2014, 2010, 2006, 1994, 1990, 1987, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2520 W JOSEPH CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2520 W STEPHANIE CT	2014, 2010, 2006, 1994, 1990, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2521 DANIEL	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2521 DANIEL CT	2014, 2010, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2521 DIXIE PL	2014, 2010, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2521 W JOSEPH CT	2014, 2010, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2521 W STEPHANIE CT	2014, 2010, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2524 BUSS DR	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Researched

Address Not Identified in Research Source

2524 DIXIE PL	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2524 Dixie Pl	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2524 Dixie Pl	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2524 GARDNER AVE	2014, 2010, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2525 DANIEL CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2528 BUSS DR	2014, 2010, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2528 DIXIE PL	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2529 DANIEL CT	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2530 CAMPBELL DR	2014, 2010, 2006, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2531 BUSS DR	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2531 DANIEL CT	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2535 BUSS DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2535 Buss Dr	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2535 Buss Dr	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2535 CAMPBELL DR	2014, 2010, 2006, 1994, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2539 BUSS DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2540 CAMPBELL DR	2014, 2010, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2541 CAMPBELL DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2541 CANPBETL DR	2014, 2010, 2006, 1994, 1990, 1987, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2550 BUSS	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2550 BUSS DR	2014, 2010, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2550 CAMPBELL DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2551 BUSS DR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2551 CAMPBELL DR	2014, 2010, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2555 BUSS DR	2014, 2010, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2555 Buss Dr	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Not Identified in Research Source

2555 Buss Dr	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2559 Buss Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2559 Buss Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2559 BUSS DR	2014, 2010, 2006, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2560 BUSS DR	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2560 CAMPBELL DR	2014, 2010, 2006, 1994, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2560 Campbell Dr	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2560 Campbell Dr	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2561 BUSS DR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2561 CAMPBELL DR	2014, 2010, 2006, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2565 BUSS DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2566 BUSS DR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2567 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1958, 1953, 1947, 1935, 1930
2570 BUSS DR	2014, 2010, 2006, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2570 Buss Dr	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2570 Buss Dr	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2571 BUSS DR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2574 BUSS DR	2014, 2010, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2575 BUSS DR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2577 BUSS DR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2577 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1958, 1953, 1947, 1935, 1930
2579 BUSS DR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2585 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1961, 1958, 1953, 1947, 1935, 1930
2585 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2585 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Researched

Address Not Identified in Research Source

2589 GIFFEN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2589 GIFFEN AVE	2014, 2010, 1994, 1961, 1953, 1947, 1935, 1930
2590 GIFFEN AVE	2014, 2010, 1994, 1953, 1947, 1935, 1930
2595 GIFFEN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2595 GIFFEN AVE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2599 GIFFEN AVE	2014, 2010, 2006, 1961, 1958, 1953, 1947, 1935, 1930
2601 CAMPBELL DR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2601 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1958, 1953, 1947, 1935, 1930
2602 GIFFEN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2602 GIFFEN AVE	2014, 2010, 1994, 1953, 1947, 1935, 1930
2602 ROME LN	2014, 2010, 2006, 1994, 1990, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2604 GIFFEN AVE	2014, 2010, 2006, 1994, 1981, 1953, 1947, 1935, 1930
2605 CAMPBELL DR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2606 ROME LN	2014, 2010, 2006, 1994, 1990, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2610 GIFFEN AVE	2014, 2010, 2006, 1994, 1981, 1953, 1947, 1935, 1930
2611 GIFFEN AVE	2014, 2010, 2006, 1994, 1976, 1958, 1953, 1947, 1935, 1930
2616 GIFFEN AVE	2014, 2010, 2006, 1994, 1981, 1953, 1947, 1935, 1930
2620 CAMPBELL DR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2620 GIFFEN AVE	2014, 2010, 2006, 1994, 1981, 1961, 1958, 1953, 1947, 1935, 1930
2626 BUSS	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2626 BUSS DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2630 BUSS DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2631 BUSS	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2631 BUSS DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2639 BUSS DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2643 BUSS	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2643 BUSS DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

FINDINGS

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
2653 BUSS DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2655 BUSS DR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2660 BUSS DR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2665 BUSS	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2665 BUSS DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2709 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1958, 1953, 1947, 1935, 1930
2710 Giffen Ave	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2710 Giffen Ave	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2710 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1958, 1953, 1947, 1935, 1930
2715 HARVEST LN	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2715 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1958, 1953, 1947, 1935, 1930
2727 HARVEST	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2727 HARVEST LN	2014, 2010, 1994, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2728 GIFFEN AVE	2014, 2010, 2006, 1953, 1947, 1935, 1930
2729 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1961, 1958, 1953, 1947, 1935, 1930
2733 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1958, 1953, 1947, 1935, 1930
2734 GIFFEN AVE	2014, 2010, 2006, 1994, 1953, 1947, 1935, 1930
2750 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2755 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1958, 1953, 1947, 1935, 1930
2757 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1958, 1953, 1947, 1935, 1930
2759 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1961, 1958, 1953, 1947, 1935, 1930
2760 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1961, 1958, 1953, 1947, 1935, 1930
2771 SEBASTOPOL RD	2014, 2010, 1994, 1958, 1953, 1947, 1935, 1930
2771 Sebastopol Rd	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2771 Sebastopol Rd	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2779 SEBASTOPOL RD	2014, 2010, 2006, 1981, 1958, 1953, 1947, 1935, 1930
2787 SEBASTOPOL RD	2014, 2010, 1958, 1953, 1947, 1935, 1930
2787 Sebastopol Rd	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Researched

Address Not Identified in Research Source

2787 Sebastopol Rd	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2789 GIFFEN AVE	2014, 2010, 2006, 1994, 1961, 1958, 1953, 1947, 1935, 1930
2789 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2789 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
28 Leisure Park Cir	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
28 Leisure Park Cir	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2800 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2801 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1958, 1953, 1947, 1935, 1930
2808 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1958, 1953, 1947, 1935, 1930
2816 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2835 SEBASTOPOL RD	2014, 2010, 1958, 1953, 1947, 1935, 1930
2835 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2835 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2847 SEBASTOPOL	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2847 SEBASTOPOL RD	2014, 2010, 1961, 1958, 1953, 1947, 1935, 1930
2847 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2847 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2871 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2873 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1981, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2875 SEBASTOPOL RD	2014, 2010, 2006, 1976, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2877 Giffen Ave	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2877 Giffen Ave	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
2877 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1958, 1953, 1947, 1935, 1930
2938 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1958, 1953, 1947, 1935, 1930
3094 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3101 SEBASTOPOL RD	2014, 2010, 1981, 1958, 1953, 1947, 1935, 1930
3101 Sebastopol Rd	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
3101 Sebastopol Rd	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3160 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3175 SEBASTOPOL	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3175 SEBASTOPOL RD	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3175 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3175 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3191 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3191 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3191 SEBASTOPOL RD	2014, 2010, 2006, 1958, 1953, 1947, 1935, 1930
3200 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3230 SEBASTOPOL RD	2014, 2010, 1953, 1947, 1935, 1930
3230 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3230 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3245 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1981, 1970, 1958, 1953, 1947, 1935, 1930
3246 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3250 SEBASTOPOL RD	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3260 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1981, 1958, 1953, 1947, 1935, 1930
3260 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3260 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3309 SEBASTOPOL	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3309 SEBASTOPOL RD	2014, 2010, 1981, 1958, 1953, 1947, 1935, 1930
3309 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3309 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3313 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1981, 1958, 1953, 1947, 1935, 1930
3315 SEBASTOPOL RD	2014, 2010, 2006, 1958, 1953, 1947, 1935, 1930
3317 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1981, 1958, 1953, 1947, 1935, 1930
3321 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1958, 1953, 1947, 1935, 1930

FINDINGS

Address Researched

Address Not Identified in Research Source

3323 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1958, 1953, 1947, 1935, 1930
3400 SEBASTOPOL RD	2014, 2010, 1994, 1990, 1987, 1976, 1958, 1953, 1947, 1935, 1930
3445 SEBASTOPOL RD	2014, 2010, 1958, 1953, 1947, 1935, 1930
3445 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3445 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3447 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1958, 1953, 1947, 1935, 1930
3451 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1981, 1958, 1953, 1947, 1935, 1930
3455 SEBASTOPOL RD	2014, 2010, 1990, 1987, 1958, 1953, 1947, 1935, 1930
3455 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3455 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3456 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3461 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3463 SEBASTOPOL RD	2014, 2010, 1994, 1981, 1958, 1953, 1947, 1935, 1930
3465 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1990, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3475 SEBASTOPOL RD	2014, 2010, 1958, 1953, 1947, 1935, 1930
3475 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3475 Sebastopol Rd	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
35 Leisure Park Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
35 Leisure Park Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3600 SEBASTO JOL RD	2014, 2010, 2006, 1994, 1990, 1987, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3600 SEBASTOPOL RD	2014, 2010, 2006, 1961, 1958, 1953, 1947, 1935, 1930
3646 SEBASTOPOL RD	2014, 2010, 2006, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3650 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1981, 1958, 1953, 1947, 1935, 1930
3665 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1958, 1953, 1947, 1935, 1930
3675 SEBASTOPOL RD	2014, 2010, 2006, 1994, 1981, 1958, 1953, 1947, 1935, 1930
3705 FINLEY AVE	2014, 2010, 2006, 1994, 1987, 1981, 1958, 1953, 1947, 1935, 1930
3706 FINLEY AVE	2014, 2010, 2006, 1994, 1990, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

FINDINGS

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
375 BRITTAIN LN	2014, 2010, 2006, 1994, 1981, 1965, 1961, 1958, 1953, 1947, 1935, 1930
385 BRITTAIN LN	2014, 2010, 2006, 1994, 1981, 1953, 1947, 1935, 1930
3901 Deuce Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3901 Deuce Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3903 DEUCE DR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3909 NEW ZEALAND AVE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3920 DEUCE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3920 Match Point Ave	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
3920 Match Point Ave	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
400 FELDSPAR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
400 FELDSPAR LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
404 LAUREL GROVE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
404 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
408 FELDSPAR LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
408 Feldspar Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
408 Feldspar Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
412 FELDSPAR LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
432 Feldspar Ln	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
432 Feldspar Ln	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
436 FELDSPAR LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
44 Leisure Park Cir	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
44 Leisure Park Cir	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
448 FELDSPAR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
448 FELDSPAR LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
448 Feldspar Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

FINDINGS

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
448 Feldspar Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
456 Feldspar Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
456 Feldspar Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
460 Feldspar Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
460 Feldspar Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
460 FELDSPAR LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
461 BRITAIN LN	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1953, 1947, 1935, 1930
466 Feldspar Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
466 Feldspar Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
47 Leisure Park Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
47 Leisure Park Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
481 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
489 Laurel Grove Cir	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
489 Laurel Grove Cir	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
511 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
511 LAUREL GROVE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
511 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
512 Laurel Grove Cir	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
512 Laurel Grove Cir	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
514 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
514 JASMINE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
515 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
515 JASMINE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
515 Laurel Grove Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

FINDINGS

Address Researched

Address Not Identified in Research Source

515 Laurel Grove Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
516 LAUREL GROVE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
516 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
517 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
517 Laurel Grove Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
517 Laurel Grove Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
518 LAUREL GROVE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
518 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
519 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
520 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
520 Laurel Grove Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
520 Laurel Grove Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
522 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
527 SPRUCE ST	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
530 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
530 E Jasmine Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
530 E Jasmine Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
536 TORREY PINE LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
537 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
539 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
540 SPRUCE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
540 SPRUCE ST	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
543 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
543 JASMINE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

FINDINGS

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
543 SPRUCE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
547 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
548 SPRUCE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
551 SPRUCE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
553 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
553 JASMINE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
553 TORREY PINE LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
554 Torrey Pine Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
554 Torrey Pine Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
555 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
555 TORREY PINE LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
559 TORREY PINE LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
559 Torrey Pine Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
559 Torrey Pine Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
569 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
572 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
572 JASMINE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
573 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
573 Laurel Grove Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
573 Laurel Grove Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
575 SPRUCE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
575 SPRUCE ST	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
575 Spruce St	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
575 Spruce St	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

FINDINGS

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
576 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
578 LAUREL GROVE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
578 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
583 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
583 JASMINE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
587 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
589 E JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
589 Laurel Grove Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
589 Laurel Grove Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
590 SPRUCE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
596 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
598 SPRUCE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
599 SPRUCE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
602 DILLON	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
602 DILLON LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
604 DILLON	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
604 DILLON LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
606 DILLON	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
606 DILLON LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
607 SPRUCE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
609 BRITTAIN LN	2014, 2010, 2006, 1994, 1953, 1947, 1935, 1930
609 Dillon Ln	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
609 Dillon Ln	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
610 BRITTAIN LN	2014, 2010, 1994, 1981, 1953, 1947, 1935, 1930
611 BRITTAIN LN	2014, 2010, 2006, 1994, 1953, 1947, 1935, 1930

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Address Researched

Address Not Identified in Research Source

611 LAUREL GROVE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
611 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
615 BRITTAIN LN	2014, 2010, 1994, 1981, 1953, 1947, 1935, 1930
619 BRITTAIN LN	2014, 2010, 2006, 1953, 1947, 1935, 1930
620 RYAN LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
620 Ryan Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
620 Ryan Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
622 SPRUCE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
623 SPRUCE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
623 Spruce St	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
623 Spruce St	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
624 RYAN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
624 RYAN LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
628 RYAN LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
628 WISTERIA LN	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
629 RYAN LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
630 Wisteria Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
630 Wisteria Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
631 Ryan Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
631 Ryan Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
632 WISTERIA LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
636 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
638 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
640 LAUREL GROVE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
640 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
642 WISTERIA LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
644 BRITTA LN	2014, 2010, 2006, 1994, 1981, 1953, 1947, 1935, 1930
646 WISTERIA	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
646 WISTERIA LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
649 WISTERIA	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
649 WISTERIA LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
650 WISTERIA LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
650 Wisteria Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
650 Wisteria Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
651 LAUREL GROVE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
651 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
652 BRITTA LN	2014, 2010, 1981, 1953, 1947, 1935, 1930
652 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
652 Wisteria Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
652 Wisteria Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
653 WISTERIA LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
661 LAUREL GROVE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
666 BRITTA LN	2014, 2010, 2006, 1994, 1981, 1953, 1947, 1935, 1930
670 BRITTA LN	2014, 2010, 1981, 1953, 1947, 1935, 1930
684 BRITTA LN	2014, 2010, 2006, 1953, 1947, 1935, 1930
700 LOMBARDI CT	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
700 Lombardi Ct	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
700 Lombardi Ct	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
701 LOMBARDI CT	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
705 W JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
710 Brittain Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Researched

Address Not Identified in Research Source

710 Brittain Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
712 Brittain Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
712 Brittain Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
712 BRITTAİN LN	2014, 2010, 2006, 1994, 1953, 1947, 1935, 1930
714 BRITTAİN LN	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
716 BRITTAİN LN	2014, 2010, 1994, 1981, 1953, 1947, 1935, 1930
716 W JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
718 BRITTAİN LN	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
718 W Jasmine Cir	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
718 W Jasmine Cir	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
720 BRITTAİN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
720 BRITTAİN LN	2014, 2010, 1994, 1987, 1953, 1947, 1935, 1930
722 W JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
726 W Jasmine Cir	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
726 W Jasmine Cir	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
734 W JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
740 W Jasmine Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
740 W Jasmine Cir	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
746 BRITTAİN LN	2014, 2010, 1994, 1981, 1953, 1947, 1935, 1930
746 W JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
748 BRITTAİN LN	2014, 2010, 1994, 1953, 1947, 1935, 1930
748 W Jasmine Cir	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
748 W Jasmine Cir	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
750 BRITTAİN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
750 BRITTAİN LN	2014, 2010, 1994, 1953, 1947, 1935, 1930
750 W JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Researched

Address Not Identified in Research Source

751 LOMBARDI CT	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
751 Lombardi Ct	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
751 Lombardi Ct	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
752 BRITTAIN LN	2014, 2010, 1981, 1953, 1947, 1935, 1930
756 BRITTAIN LN	2014, 2010, 2006, 1994, 1981, 1953, 1947, 1935, 1930
760 BRITTAIN LN	2014, 2010, 2006, 1994, 1981, 1965, 1961, 1958, 1953, 1947, 1935, 1930
760 W JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
761 LOMBARDI CT	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
762 BRITTAIN LN	2014, 2010, 2006, 1994, 1965, 1961, 1958, 1953, 1947, 1935, 1930
764 BRITTAIN LN	2014, 2010, 2006, 1994, 1981, 1965, 1961, 1958, 1953, 1947, 1935, 1930
764 W JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
766 BRITTAIN LN	2014, 2010, 1994, 1981, 1961, 1958, 1953, 1947, 1935, 1930
766 W JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
768 BRITTAIN LN	2014, 2010, 1953, 1947, 1935, 1930
768 W JASMINE CIR	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
770 BRITTAIN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
770 BRITTAIN LN	2014, 2010, 1953, 1947, 1935, 1930
774 BRITTAIN LN	2014, 2010, 1994, 1953, 1947, 1935, 1930
789 LOMBARDI CT	2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
789 Lombardi Ct	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
789 Lombardi Ct	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
789 LOMBARTLI CT	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
791 LOMBARDI CT	2014, 2010, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
791 Lombardi Ct	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
791 Lombardi Ct	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
814 BRYDEN LN	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1947, 1935, 1930
816 BRYDEN LN	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1947, 1935, 1930

FINDINGS

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
817 BRYDEN LN	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1947, 1935, 1930
818 BRITTAIN LN	2014, 2010, 2006, 1994, 1981, 1953, 1947, 1935, 1930
821 BRYDEN LN	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1947, 1935, 1930
825 BRYDEN LN	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1947, 1935, 1930
830 BRYDEN LN	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1947, 1935, 1930
830 Fresno Ave	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
830 Fresno Ave	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
834 Fresno Ave	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
834 Fresno Ave	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
836 BRITTAIN LN	2014, 2010, 2006, 1994, 1981, 1953, 1947, 1935, 1930
840 BRITTAIN LN	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
851 BRITTAIN LN	2014, 2010, 2006, 1994, 1953, 1947, 1935, 1930
900 Corporate Center Parkway	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
900 FRESNO AVE	2014, 2010, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
900 Fresno Ave	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
900 Fresno Ave	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
900 KEEGAN DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
901 KEEGAN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
901 KEEGAN DR	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
901 Keegan Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
901 Keegan Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
904 KEEGAN DR	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
905 KEEGAN DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
905 Keegan Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
905 Keegan Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
908 Keegan Dr	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Researched

Address Not Identified in Research Source

908 Keegan Dr	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
908 KEEGAN DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
909 KEEGAN DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
910 FRESNO AVE	2014, 2010, 2006, 1994, 1981, 1958, 1953, 1947, 1935, 1930
911 FRESNO AVE	2014, 2010, 2006, 1965, 1961, 1958, 1953, 1947, 1935, 1930
911 Fresno Ave	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
911 Fresno Ave	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
912 FRESNO AVE	2014, 2010, 2006, 1994, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
912 KEEGAN DR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
913 WILKEY CT	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
917 WILKEY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
917 WILKEY CT	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
918 KEEGAN DR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
918 Keegan Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
918 Keegan Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
918 KENMORE LN	2014, 2010, 1958, 1953, 1947, 1935, 1930
919 KENMORE LN	2014, 2010, 2006, 1981, 1958, 1953, 1947, 1935, 1930
921 WILKEY CT	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
922 KENMORE	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
922 KENMORE LN	2014, 2010, 1994, 1953, 1947, 1935, 1930
924 KEEGAN DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
925 Corporate Center Pkwy	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
925 Corporate Center Pkwy	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
925 CORPORATE CENTER PKY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
925 KENMORE LN	2014, 2010, 2006, 1953, 1947, 1935, 1930
925 Kenmore Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
925 Kenmore Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

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Address Researched

Address Not Identified in Research Source

925 WILKEY CT	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
929 WILKEY CT	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
930 FRESNO AVE	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1958, 1953, 1947, 1935, 1930
930 KEEGAN DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
930 KENMORE LN	2014, 2010, 1994, 1981, 1961, 1953, 1947, 1935, 1930
931 KENMORE LN	2014, 2010, 2006, 1994, 1981, 1953, 1947, 1935, 1930
932 KENMORE LN	2014, 2010, 2006, 1958, 1953, 1947, 1935, 1930
933 WILKEY CT	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
935 WILKEY CT	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
936 KEEGAN DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
936 KENMORE LN	2014, 2010, 2006, 1981, 1958, 1953, 1947, 1935, 1930
937 WILKEY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
937 WILKEY CT	2014, 2010, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
940 KEEGAN DR	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
941 CRONE CT	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
942 KENMORE LN	2014, 2010, 1994, 1981, 1953, 1947, 1935, 1930
942 Kenmore Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
942 Kenmore Ln	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
943 KENMORE LN	2014, 2010, 1994, 1981, 1953, 1947, 1935, 1930
945 CRONE CT	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
946 KEEGAN DR	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
946 Kenmore Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
946 Kenmore Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
948 KENMORE LN	2014, 2010, 2006, 1994, 1953, 1947, 1935, 1930
949 CRONE CT	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
950 Apollo Way	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
950 FRESNO AVE	2014, 2010, 2006, 1994, 1958, 1953, 1947, 1935, 1930

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Address Researched

Address Not Identified in Research Source

952 KEEGAN DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
953 CRONE CT	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
953 Crone Ct	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
953 Crone Ct	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
953 KENMORE LN	2014, 2010, 2006, 1994, 1953, 1947, 1935, 1930
956 KENMORE LN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
956 Kenmore Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
956 Kenmore Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
957 CRONE CT	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
958 KEEGAN DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
961 KEEGAN DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
961 KENMORE LN	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1958, 1953, 1947, 1935, 1930
962 KEEGAN	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
962 KEEGAN DR	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
962 Keegan Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
962 Keegan Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
964 KENMORE LN	2014, 2010, 2006, 1953, 1947, 1935, 1930
965 KEEGAN DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
965 KENMORE LN	2014, 2010, 2006, 1994, 1981, 1953, 1947, 1935, 1930
966 KEEGAN DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
966 Keegan Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
966 Keegan Dr	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
969 KEEGAN DR	2014, 2010, 2006, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
969 KENMORE LN	2014, 2010, 2006, 1953, 1947, 1935, 1930
970 KEEGAN DR	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
970 Keegan Dr	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

FINDINGS

Address Researched

Address Not Identified in Research Source

970 Keegan Dr	2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
974 KEEGAN DR	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
975 Corporate Center Pkwy	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
975 Corporate Center Pkwy	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
975 CORPORATE CENTER PKY	2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
975 KENMORE LN	2014, 2010, 1953, 1947, 1935, 1930
976 KEEGAN DR	2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
979 KENMORE LN	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
980 KENMORE LN	2014, 2010, 2006, 1994, 1981, 1953, 1947, 1935, 1930
981 KEEGAN DR	2014, 2010, 1990, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
982 KEEGAN DR	2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
985 KEEGAN DR	2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
985 Keegan Dr	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
985 Keegan Dr	2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
986 KEEGAN DR	2014, 2010, 1994, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
987 KENMORE LN	2014, 2010, 1994, 1953, 1947, 1935, 1930
987 Kenmore Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
987 Kenmore Ln	2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930
988 KENMORE LN	2014, 2010, 2006, 1981, 1953, 1947, 1935, 1930
991 KENMORE LN	2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1961, 1958, 1953, 1947, 1935, 1930
992 KENMORE LN	2014, 2010, 2006, 1994, 1981, 1965, 1953, 1947, 1935, 1930

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

Wayside DR

Address Not Identified in Research Source

2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

APPENDIX D
ENVIRONMENTAL DATABASE INFORMATION

Proposed VA Center

Wayside DR

Santa Rosa, CA 95407

Inquiry Number: 5746166.2s

August 08, 2019

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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with any questions or comments.

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MAPPED SITES SUMMARY

Target Property Address:
WAYSIDE DR
SANTA ROSA, CA 95407

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	SONOMA LAB WORKS, LL	1201 CORPORATE CENTE	RCRA NonGen / NLR	Lower	263, 0.050, SW
A2	SONOMA LAB WORKS	1201 CORPORATE CNTR	CERS HAZ WASTE, CERS	Lower	263, 0.050, SW
B3	WWCMC, INC	975 CORPORATE CENTER	RCRA NonGen / NLR	Lower	291, 0.055, WNW
B4	CINTAS CORPORATION	975 CORPORATE CENTER	EDR Hist Cleaner	Lower	291, 0.055, WNW
A5	KAISER PERMANENTE ME	2240 MERCURY WAY	RCRA NonGen / NLR	Lower	436, 0.083, SSW
A6	KAISER SANTA ROSA MO	2240 MERCURY WAY	CERS HAZ WASTE, NPDES, CIWQS, CERS	Lower	436, 0.083, SSW
C7	CRFT MANUFACTURING I	2330 CIRCADIANT WAY	CERS HAZ WASTE, CERS	Lower	630, 0.119, SW
C8	SANTA ROSA CORPORATE	2330 CIRCADIANT WAY	CPS-SLIC, CERS	Lower	630, 0.119, SW
C9	RELUCENT SOLUTIONS L	2330 CIRCADIANT WAY	RCRA-SQG, FINDS, ECHO	Lower	630, 0.119, SW
D10	WESTERN BUILDERS EMP	1234 APOLLO WAY	HIST UST, HAZNET	Higher	646, 0.122, SE
D11	BERTOLI, AUGUSTINE,	1234 APOLLO	LUST, HIST CORTESE, CERS	Higher	646, 0.122, SE
D12	EMPIRE GLASS	1234 APOLLO WAY	SWEEPS UST, CA FID UST	Higher	646, 0.122, SE
E13	ANGEL MOTORS INC.	2835 SEBASTOPOL RD.	RCRA NonGen / NLR	Higher	693, 0.131, North
E14	ANGEL MOTORS	2835 SEBASTOPOL RD	CERS HAZ WASTE, CERS	Higher	693, 0.131, North
15	POSADA, UAN	840 BRITAIN LANE	CPS-SLIC, CERS	Higher	823, 0.156, NNW
E16	GUANELLA AUTO BODY	2789 SEBASTOPOL RD	RCRA NonGen / NLR	Higher	849, 0.161, North
E17	GUANELLA AUTO BODY	2789 SEBASTOPOL ROAD	CERS HAZ WASTE, EMI, CERS	Higher	849, 0.161, North
C18	JDSU - FLEX PRODUCTS	2331 CIRCADIANT WAY	RCRA-LQG, CHMIRS	Lower	866, 0.164, SW
F19	CARMEL VALLEY RANCH	1269 CORPORATE CENTE	HIST CORTESE	Lower	948, 0.180, SSW
G20	SILVA'S GARAGE	851 BRITAIN LN	SWEEPS UST, HIST UST, CA FID UST	Higher	1115, 0.211, NNW
G21	SILVA'S GARAGE	851 BRITAIN LN	HIST UST	Higher	1115, 0.211, NNW
H22	SPRINT PCS SWITCH	2270 APOLLO WAY	CERS TANKS, CERS	Lower	1161, 0.220, South
H23	SPRINT PCS	2270 APOLLO WY	AST	Lower	1161, 0.220, South
H24	SPRINT PCS SWITCH	2270 APOLLO WAY	AST	Lower	1161, 0.220, South
F25	ALA CON	2381 CIRCADIANT WAY	SWEEPS UST, CA FID UST	Lower	1170, 0.222, SSW
I26	SELVAGE CONCRETE PRO	3309 SEBASTOPOL RD	LUST, SWEEPS UST, HIST UST, HIST CORTESE, NPDES,...	Lower	1188, 0.225, NW
I27	SELVAGE CONCRETE PRO	3309 SEBASTOPOL RD	RCRA NonGen / NLR	Lower	1188, 0.225, NW
I28	SELVAGE CONCRETE PRO	3309 SEBASTOPOL	LUST, CERS HAZ WASTE, SWEEPS UST, CA FID UST, CERS	Lower	1188, 0.225, NW
I29	SELVAGE CONCRETE	SEBASTOPOL ROAD 3309	LUST	Lower	1208, 0.229, WNW
I30	PACIFIC BELL	3260 SEBASTOPOL	SWEEPS UST, CA FID UST	Lower	1245, 0.236, WNW
I31	AT&T CALIFORNIA - TD	3260 SEBASTOPOL ROAD	CERS HAZ WASTE, CERS TANKS, CERS	Lower	1245, 0.236, WNW
I32	PACIFIC BELL	3260 SEBASTOPOL ROAD	UST, EMI, CERS	Lower	1245, 0.236, WNW
I33	AT&T CALIFORNIA - TD	3260 SEBASTOPOL ROAD	RCRA-SQG, LUST, SWEEPS UST, FINDS, HIST CORTESE,...	Lower	1245, 0.236, WNW
34	LAWRENCE COOK MIDDLE	2480 SEBASTOPOL ROAD	RCRA-SQG, FINDS, ECHO	Higher	1302, 0.247, NE
J35	SANTA ROSA COMMUNITY	751 LOMBARDI CT STE	RCRA NonGen / NLR	Higher	1312, 0.248, NNE
J36	LOMBARDI ROSA PHARMA	751 LOMBARDI CT STE	RCRA NonGen / NLR	Higher	1312, 0.248, NNE
J37	ST. JOSEPH DENTAL CL	751 LOMBARDI CT	RCRA NonGen / NLR	Higher	1312, 0.248, NNE
J38	NOR CAL SCREENPRINTI	751 LOMBARDI CT	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	1312, 0.248, NNE
39	SANTA ROSA FIRE EQUI	3445 SEBASTOPOL ROAD	CPS-SLIC, CERS	Lower	1410, 0.267, WNW

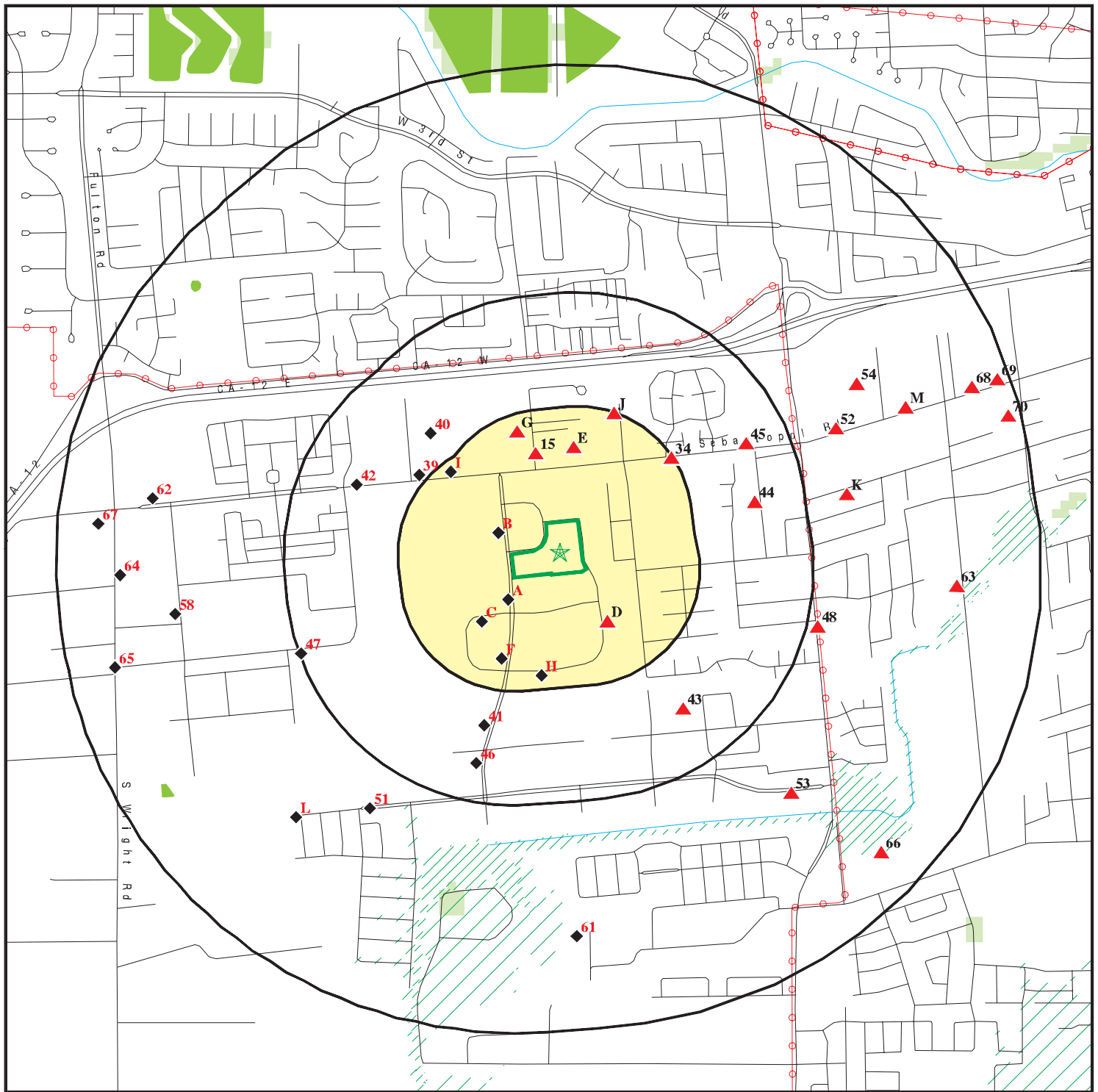
MAPPED SITES SUMMARY

Target Property Address:
WAYSIDE DR
SANTA ROSA, CA 95407

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
40	GEM JAK ENTERPRISES	3323 SEBASTOPOL	LUST, HIST CORTESE, CERS	Lower	1686, 0.319, NW
41	NORTH POINT RESEARCH	1375 CORPORATE CENTE	CPS-SLIC, CERS	Lower	1744, 0.330, SSW
42	SMITH VILLAGE	3655 SEBASTOPOL ROAD	CPS-SLIC, CERS	Lower	1965, 0.372, WNW
43	ANGIE KENDALL	2611 GIFFEN AVENUE	Notify 65	Higher	1966, 0.372, SE
44	STEINOCHE, DANIEL G	969 KENMORE	HIST CORTESE	Higher	2060, 0.390, ENE
45	SANTA ROSA VALUE CEN	2025 SEBASTOPOL ROAD	CPS-SLIC, CERS	Higher	2144, 0.406, ENE
46	BECOMING INDEPENDENT	1425 CORPORATE CENTE	ENVIROSTOR	Lower	2193, 0.415, SSW
47	USSRNAAS	FINLEY AVENUE	LUST, CPS-SLIC	Lower	2616, 0.495, WSW
48	SONOMA COUNTY INDIAN	1440 STONY POINT ROA	ENVIROSTOR	Higher	2764, 0.523, ESE
K49	ANDY BONDI	1834 ROSE AVENUE	Notify 65	Higher	3127, 0.592, ENE
K50	ANDY BONDI	1834 ROSE AVENUE	Notify 65	Higher	3127, 0.592, ENE
51	NAVAL AUXILIARY AIR		FUDS	Lower	3149, 0.596, SW
52	ACME AUTO WRECKERS,	1885 SEBASTOPOL ROAD	ENVIROSTOR, CPS-SLIC, ENF, HIST CORTESE, NPDES,...	Higher	3174, 0.601, ENE
53	OPTICAL COATING LABO	STORMDRAIN @ NORTHPO	Notify 65	Higher	3517, 0.666, SE
54	ALMETCO	1733 SEBASTOPOL RD	ENVIROSTOR, LUST, CPS-SLIC, EMI, HIST CORTESE,...	Higher	3595, 0.681, ENE
L55	JDSU SANTA ROSA	2789 NORTHPOINT PARW	Notify 65	Lower	3752, 0.711, SW
L56	OPTICAL COATING LABO	2789 NORTHPOINT PKY	ENVIROSTOR, CPS-SLIC, SWEEPS UST, HIST UST, CA FID...	Lower	3752, 0.711, SW
L57	OCLI	2789 N POINT PKWAY	Notify 65	Lower	3752, 0.711, SW
58	LEDDY AVENUE PROPERT	1037 LEDDY AVENUE	CPS-SLIC, Notify 65, CERS	Lower	3945, 0.747, West
M59	WESCOTTS AUTO & TRUC	1569 SEBASTOPOL RD	ENVIROSTOR, CPS-SLIC, CUPA Listings, NPDES, WDS,...	Higher	4015, 0.760, ENE
M60	MCMINN AVENUE	ROSELAND AREA	CA BOND EXP. PLAN	Higher	4100, 0.777, ENE
61	DAN & KATHY GREGORY	2295 WEST HEARN	Notify 65	Lower	4197, 0.795, South
62	COGWHEEL SHOP	4025 SEBASTOPOL ROAD	ENVIROSTOR	Lower	4208, 0.797, West
63	NEW ROSELAND AREA EL	1683 BURBANK AVENUE	ENVIROSTOR, SCH	Higher	4299, 0.814, East
64	SOUTH WRIGHT ROAD EL	950 S. WRIGHT ROAD	ENVIROSTOR, SCH	Lower	4540, 0.860, West
65	NAVAL AUXILIARY AIR	FINLEY AVENUE AND WR	ENVIROSTOR	Lower	4736, 0.897, WSW
66	REDWOOD CHEMICAL	2450 STONEY POINT RO	ENVIROSTOR	Higher	4739, 0.898, SE
67	NONE	4129 SEBASTOPAL	Notify 65	Lower	4800, 0.909, West
68	S. S. SKIKOS TRUCKIN	1289 SEBASTOPOL RD	LUST, AST, CERS TANKS, CUPA Listings, HIST...	Higher	4817, 0.912, ENE
69	TAYLOR BUS COMPANY	1175 SEBASTOPOL ROAD	ENVIROSTOR, LUST, Cortese, HIST CORTESE, CERS	Higher	5125, 0.971, ENE
70	MCMINN AVENUE	841 MCMINN AVENUE	ENVIROSTOR	Higher	5131, 0.972, ENE

OVERVIEW MAP - 5746166.2S



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

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

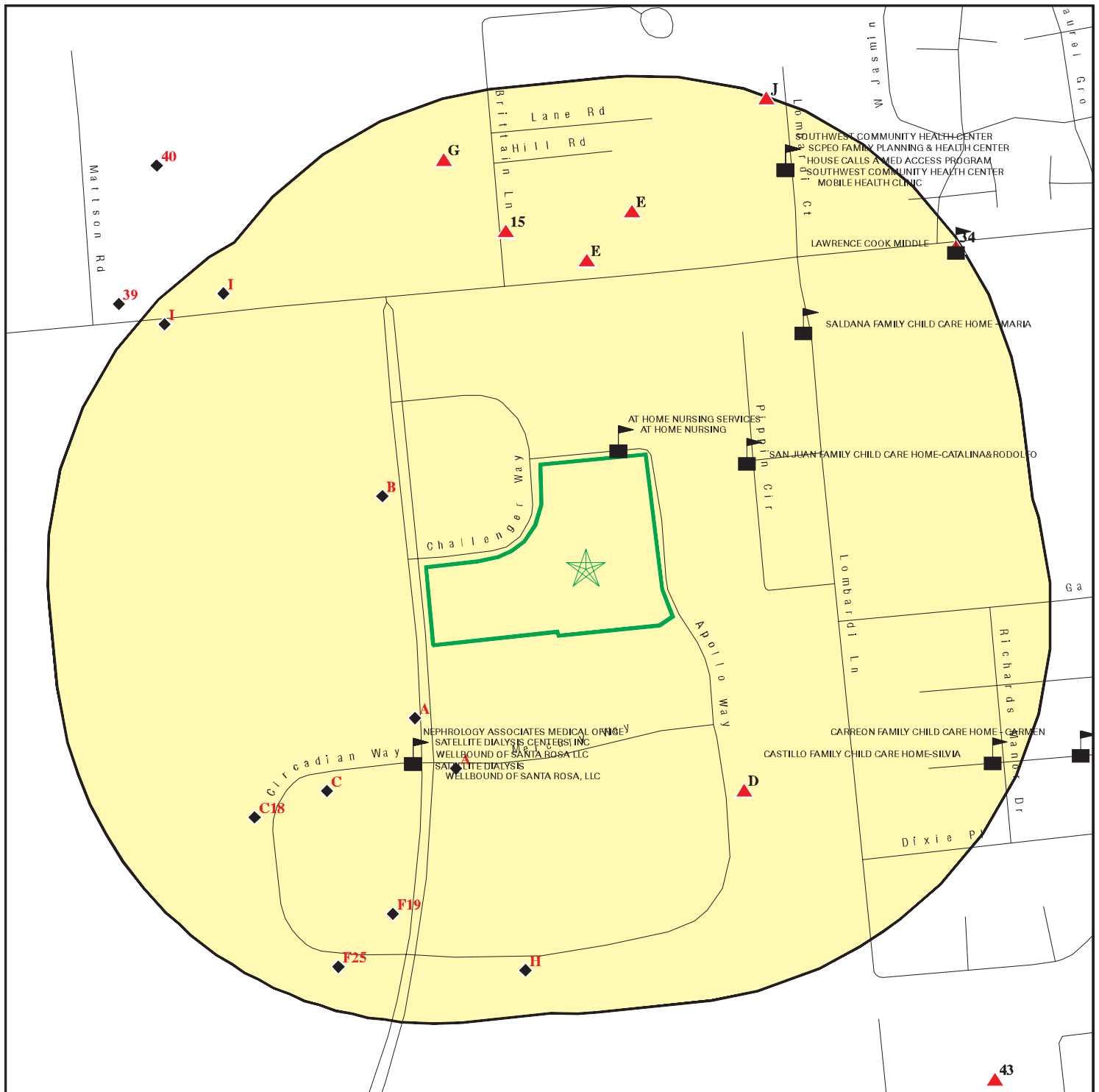
0 1/4 1/2 1 Miles

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: Proposed VA Center
ADDRESS: Wayside DR
Santa Rosa CA 95407
LAT/LONG: 38.423363 / 122.750925

CLIENT: Terracon
CONTACT: Alexis Clemente
INQUIRY #: 5746166.2s
DATE: August 08, 2019 4:35 pm

DETAIL MAP - 5746166.2S



- 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
- 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: Proposed VA Center
 ADDRESS: Wayside DR
 Santa Rosa CA 95407
 LAT/LONG: 38.423363 / 122.750925

CLIENT: Terracon
 CONTACT: Alexis Clemente
 INQUIRY #: 5746166.2s
 DATE: August 08, 2019 4:42 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
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250		1	3	NR	NR	NR	4
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	1.000		0	0	1	12	NR	13
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		1	4	2	NR	NR	7

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
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		1	1	5	NR	NR	7
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		0	2	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	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
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST 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
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		3	4	NR	NR	NR	7
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		1	6	NR	NR	NR	7
HIST UST	0.250		1	3	NR	NR	NR	4
CERS TANKS	0.250		0	2	NR	NR	NR	2
CA FID UST	0.250		1	4	NR	NR	NR	5
Local Land Records								
LIENS	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
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
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
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		3	6	NR	NR	NR	9
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	1	NR	1
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	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
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	3	2	NR	NR	6
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	1	10	NR	11
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

- Totals --		0	14	40	11	24	0	89

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

A1
SW
< 1/8
0.050 mi.
263 ft.

SONOMA LAB WORKS, LLC
1201 CORPORATE CENTER PKWY
SANTA ROSA, CA 95407

RCRA NonGen / NLR

1024864991
CAL000433558

Site 1 of 4 in cluster A

Relative:
Lower

RCRA NonGen / NLR:

Actual:
109 ft.

Date form received by agency: 02/09/2018
Facility name: SONOMA LAB WORKS, LLC
Facility address: 1201 CORPORATE CENTER PKWY
SANTA ROSA, CA 95407
EPA ID: CAL000433558
Contact: ERIKA LINDEMAN
Contact address: 1201 CORPORATE CENTER PKWY
SANTA ROSA, CA 95407
Contact telephone: 707-483-9141
Contact email: ERIKA@SONOMALABWORKS.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: DARIUS ANDERSON
Owner/operator address: 1215 K ST STE 1150
SACRAMENTO, CA 95814
Owner/operator telephone: 916-524-8891
Legal status: Other
Owner/Operator Type: Owner

Owner/operator name: ERIKA LINDEMAN
Owner/operator address: 1201 CORPORATE CENTER PKWY
SANTA ROSA, CA 95407
Owner/operator telephone: 707-483-9141
Legal status: Other
Owner/Operator Type: Operator

Handler Activities Summary:

U.S. Importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

A2
SW
< 1/8
0.050 mi.
263 ft.

SONOMA LAB WORKS
1201 CORPORATE CNTR PKWY
SANTA ROSA, CA 95407

CERS HAZ WASTE
CERS
S121783944
N/A

Relative:
Lower

Actual:
109 ft.

Site 2 of 4 in cluster A

CERS HAZ WASTE:

Site ID: 432289
CERS ID: 10753801
CERS Description: Hazardous Waste Generator

Violations:

Site ID: 432289
Site Name: Sonoma Lab Works
Violation Date: 06-05-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)

Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violation Notes: Returned to compliance on 06/11/2018.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-05-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 1201 Corporate Cntr Pkwy
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Parent Corporation
Entity Name: Sonoma Lab Works

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Environmental Contact
Entity Name: DAVID CHEN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SONOMA LAB WORKS (Continued)

S121783944

Affiliation Address: 1201 Corporate Center Pkwy
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Identification Signer
Entity Name: Erika Lindeman
Entity Title: Operations Administrator

Affiliation Type Desc: Legal Owner
Entity Name: Darius Anderson
Affiliation Address: 1201 Corporate Cntr Pkwy
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (916) 524-8891

Affiliation Type Desc: Operator
Entity Name: Darius Anderson
Affiliation Phone: (916) 524-8891

Affiliation Type Desc: Document Preparer
Entity Name: Erika Lindeman

CERS:

Name: SONOMA LAB WORKS
Address: 1201 CORPORATE CNTR PKWY
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 432289
CERS ID: 10753801
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 432289
Site Name: Sonoma Lab Works
Violation Date: 06-05-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)

Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violation Notes: Returned to compliance on 06/11/2018.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-05-2018
Violations Found: Yes
Eval Type: Routine done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SONOMA LAB WORKS (Continued)

S121783944

Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 1201 Corporate Cntr Pkwy
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Parent Corporation
Entity Name: Sonoma Lab Works

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Environmental Contact
Entity Name: DAVID CHEN
Affiliation Address: 1201 Corporate Center Pkwy
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Identification Signer
Entity Name: Erika Lindeman
Entity Title: Operations Administrator

Affiliation Type Desc: Legal Owner
Entity Name: Darius Anderson
Affiliation Address: 1201 Corporate Cntr Pkwy
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (916) 524-8891

Affiliation Type Desc: Operator
Entity Name: Darius Anderson
Affiliation Phone: (916) 524-8891

Affiliation Type Desc: Document Preparer
Entity Name: Erika Lindeman

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B3
WNW
< 1/8
0.055 mi.
291 ft.

WWCMC, INC
975 CORPORATE CENTER PARKWAY
SANTA ROSA, CA 95407

RCRA NonGen / NLR

1024781020
CAC003000985

Site 1 of 2 in cluster B

Relative:
Lower

RCRA NonGen / NLR:

Actual:
109 ft.

Date form received by agency: 02/13/2019
Facility name: WWCMC, INC
Facility address: 975 CORPORATE CENTER PARKWAY
SUITE 115
SANTA ROSA, CA 95407
EPA ID: CAC003000985
Contact: JENSEN M OWEN
Contact address: 975 CORPORATE CENTER PARKWAY SUITE 115
SANTA ROSA, CA 95407
Contact telephone: 707-280-9721
Contact email: JOWEN@SPARC.CO
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: ERICH PEARSON
Owner/operator address: 6010 COMMERCE BLVD SUITE 152
ROHNERT PARK, CA 94928
Owner/operator telephone: 707-280-9721
Legal status: Other
Owner/Operator Type: Owner

Owner/operator name: JENSEN M OWEN
Owner/operator address: 975 CORPORATE CENTER PARKWAY SUITE 115
SANTA ROSA, CA 95407
Owner/operator telephone: 707-280-9721
Legal status: Other
Owner/Operator Type: Operator

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	EDR ID Number EPA ID Number
B4 WNW < 1/8 0.055 mi. 291 ft. Relative: Lower Actual: 109 ft.	CINTAS CORPORATION 975 CORPORATE CENTER PWY SANTA ROSA, CA 95407 Site 2 of 2 in cluster B EDR Hist Cleaner Year: Name: Type: 2005 CINTAS CORPORATION Garment Pressing And Cleaners' Agents 2006 CINTAS CORPORATION Garment Pressing And Cleaners' Agents 2007 CINTAS CORPORATION Garment Pressing And Cleaners' Agents	EDR Hist Cleaner	1018559355 N/A
A5 SSW < 1/8 0.083 mi. 436 ft. Relative: Lower Actual: 109 ft.	KAISER PERMANENTE MERCURY WAY MEDICAL OFFICES 2240 MERCURY WAY SANTA ROSA, CA 95407 Site 3 of 4 in cluster A RCRA NonGen / NLR: Date form received by agency: 03/26/2018 Facility name: KAISER PERMANENTE MERCURY WAY MEDICAL OFFICES Facility address: 2240 MERCURY WAY SANTA ROSA, CA 95407 EPA ID: CAL000434592 Mailing address: 401 BICENTENNIAL WAY SSB STE 21 SANTA ROSA, CA 95403 Contact: TAMMY MARSHALL Contact address: 401 BICENTENNIAL WAY SSB STE 21 SANTA ROSA, CA 95403 Contact telephone: 707-393-4163 Contact email: TAMMY.L.MARSHALL@KP.ORG EPA Region: 09 Classification: Non-Generator Description: Handler: Non-Generators do not presently generate hazardous waste Owner/Operator Summary: Owner/operator name: TAMMY MARSHALL Owner/operator address: 401 BICENTENNIAL WAY SSB STE 21 SANTA ROSA, CA 95403 Owner/operator telephone: 707-393-4163 Legal status: Other Owner/Operator Type: Operator Owner/operator name: KAISER PERMANENTE HEALTH PLAN INC Owner/operator address: ONE KAISER PLAZA OAKLAND, CA 94612 Owner/operator telephone: 510-625-4737 Legal status: Other Owner/Operator Type: Owner Handler Activities Summary: U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: Yes Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No	RCRA NonGen / NLR	1024866010 CAL000434592

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER PERMANENTE MERCURY WAY MEDICAL OFFICES (Continued)

1024866010

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

**A6
SSW
< 1/8
0.083 mi.
436 ft.**

**KAISER SANTA ROSA MOB 6
2240 MERCURY WAY
SANTA ROSA, CA 95407
Site 4 of 4 in cluster A**

**CERS HAZ WASTE
NPDES
CIWQS
CERS**

**S119085718
N/A**

**Relative:
Lower
Actual:
109 ft.**

CERS HAZ WASTE:
Site ID: 437340
CERS ID: 10762273
CERS Description: Hazardous Waste Generator

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-16-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-16-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 437340
Facility Name: Mercury Way Kaiser Clinic
Env Int Type Code: HMBP
Program ID: 10762273
Ref Point Type Desc: Center of a facility or station.
Latitude: 38.421480
Longitude: -122.751320

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Judi Goodin

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 2240 Mercury Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER SANTA ROSA MOB 6 (Continued)

S119085718

Affiliation Type Desc: Identification Signer
Entity Name: Judi Goodin
Entity Title: Safety Operations Leader

Affiliation Type Desc: Legal Owner
Entity Name: Kaiser Foundation Hospital
Affiliation Address: One Kaiser Plaza
Affiliation City: Oakland
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95612
Affiliation Phone: (510) 271-5800

Affiliation Type Desc: Environmental Contact
Entity Name: Thomas Goob
Affiliation Address: 401 Bicentennial Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95403

Affiliation Type Desc: Operator
Entity Name: Judi Goodin
Affiliation Phone: (707) 393-4356

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Parent Corporation
Entity Name: Kaiser Permanente

Affiliation Type Desc: Property Owner
Entity Name: Kaiser Permanente
Affiliation Address: One Kaiser Plaza
Affiliation City: Oakland
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95612
Affiliation Phone: (510) 271-5800

NPDES:
Name: KAISER SANTA ROSA MOB 6
Address: 2240 MERCURY WAY
City,State,Zip: SANTA ROSA, CA 95407
WDID: 1 49C377482
Regulatory Measure Type: Construction
Status: Terminated
Status Date: 09/13/2018
Operator Name: Kaiser National Facilities Services
Operator Address: 100 Smith Ranch Road
Operator City: San Rafael

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER SANTA ROSA MOB 6 (Continued)

S119085718

Operator State: California
Operator Zip: 94903
NPDES as of 03/2018:
NPDES Number: CAS000002
Status: Active
Agency Number: 0
Region: 1
Regulatory Measure ID: 477442
Order Number: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
WDID: 1 49C377482
Program Type: Construction
Effective Date Of Regulatory Measure: 09/12/2016
Discharge Name: Kaiser National Facilities Services
Discharge Address: 100 Smith Ranch Road
Discharge City: San Rafael
Discharge State: California
Discharge Zip: 94903
Region: 1
Regulatory Measure ID: 477442
Regulatory Measure Type: Construction
WDID: 1 49C377482
Received Date: 08/26/2016
Processed Date: 09/12/2016
Status: Active
Status Date: 09/12/2016
Place Size: 10.8
Place Size Unit: Acres
Contact: Jodie Clay
Contact Phone: 707-326-7150
Contact Email: Jodie.Clay@kp.org
Operator Name: Kaiser National Facilities Services
Operator Address: 100 Smith Ranch Road
Operator City: San Rafael
Operator State: California
Operator Zip: 94903
Operator Contact: Jodie Clay
Operator Contact Phone: 707-326-7150
Operator Contact Email: Jodie.Clay@kp.org
Operator Type: Private Business
Developer: Kaiser Permanente Facilities Development
Developer Address: 3565 Mendocino Avenue
Developer City: Santa Rosa
Developer State: California
Developer Zip: 95403
Developer Contact: Jodie Clay
Constype Linear Utility Ind: N
Constype Above Ground Ind: N
Constype Below Ground Ind: N
Constype Cable Line Ind: N
Constype Comm Line Ind: N
Constype Commercial Ind: Y
Constype Electrical Line Ind: N
Constype Gas Line Ind: N
Constype Industrial Ind: N
Constype Other Ind: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER SANTA ROSA MOB 6 (Continued)

S119085718

Constype Recons Ind: N
Constype Residential Ind: N
Constype Transport Ind: N
Constype Utility Ind: N
Constype Water Sewer Ind: N
Dir Discharge Uswater Ind: N
Certifier: Jodie Clay
Certifier Title: MSA Team Manager
Certification Date: 26-AUG-16

Name: KAISER SANTA ROSA MOB 6
Address: 2240 MERCURY WAY
City,State,Zip: SANTA ROSA, CA 95407
Facility Status: Terminated
NPDES Number: CAS000002
Region: 1
Agency Number: 0
Regulatory Measure ID: 477442
Order Number: 2009-0009-DWQ
WDID: 1 49C377482
Regulatory Measure Type: Enrollee
Program Type: Construction
Effective Date Of Regulatory Measure: 09/12/2016
Termination Date Of Regulatory Measure: 08/29/2018
Discharge Address: 100 Smith Ranch Road
Discharge Name: Kaiser National Facilities Services
Discharge City: San Rafael
Discharge State: California
Discharge Zip: 94903

NPDES as of 03/2018:

NPDES Number: CAS000002
Status: Active
Agency Number: 0
Region: 1
Regulatory Measure ID: 477442
Order Number: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
WDID: 1 49C377482
Program Type: Construction
Effective Date Of Regulatory Measure: 09/12/2016
Discharge Name: Kaiser National Facilities Services
Discharge Address: 100 Smith Ranch Road
Discharge City: San Rafael
Discharge State: California
Discharge Zip: 94903

Region: 1
Regulatory Measure ID: 477442
Regulatory Measure Type: Construction
WDID: 1 49C377482
Received Date: 08/26/2016
Processed Date: 09/12/2016
Status: Active
Status Date: 09/12/2016
Place Size: 10.8
Place Size Unit: Acres

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER SANTA ROSA MOB 6 (Continued)

S119085718

Contact: Jodie Clay
Contact Phone: 707-326-7150
Contact Email: Jodie.Clay@kp.org
Operator Name: Kaiser National Facilities Services
Operator Address: 100 Smith Ranch Road
Operator City: San Rafael
Operator State: California
Operator Zip: 94903
Operator Contact: Jodie Clay
Operator Contact Phone: 707-326-7150
Operator Contact Email: Jodie.Clay@kp.org
Operator Type: Private Business
Developer: Kaiser Permanente Facilities Development
Developer Address: 3565 Mendocino Avenue
Developer City: Santa Rosa
Developer State: California
Developer Zip: 95403
Developer Contact: Jodie Clay
Constype Linear Utility Ind: N
Constype Above Ground Ind: N
Constype Below Ground Ind: N
Constype Cable Line Ind: N
Constype Comm Line Ind: N
Constype Commercial Ind: Y
Constype Electrical Line Ind: N
Constype Gas Line Ind: N
Constype Industrial Ind: N
Constype Other Ind: N
Constype Recons Ind: N
Constype Residential Ind: N
Constype Transport Ind: N
Constype Utility Ind: N
Constype Water Sewer Ind: N
Dir Discharge Uswater Ind: N
Certifier: Jodie Clay
Certifier Title: MSA Team Manager
Certification Date: 26-AUG-16

CIWQS:

Name: KAISER SANTA ROSA MOB 6
Address: 2240 MERCURY WAY
City,State,Zip: SANTA ROSA, CA 95407
Agency: Kaiser National Facilities Services
Agency Address: 100 Smith Ranch Road Capital Projects Suite 200, San Rafael, CA 94903
Place/Project Type: Construction - Commercial
Region: 1
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 1 49C377482
NPDES Number: CAS000002
Effective Date: 09/12/2016
Termination Date: 08/29/2018
Enforcement Actions within 5 years: 0
Violations within 5 years: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER SANTA ROSA MOB 6 (Continued)

S119085718

Latitude: 38.42096
Longitude: -122.75207

CERS:

Name: MERCURY WAY KAISER CLINIC
Address: 2240 MERCURY WAY
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 437340
CERS ID: 10762273
CERS Description: Chemical Storage Facilities

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-16-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-16-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:

Site ID: 437340
Facility Name: Mercury Way Kaiser Clinic
Env Int Type Code: HMBP
Program ID: 10762273
Ref Point Type Desc: Center of a facility or station.
Latitude: 38.421480
Longitude: -122.751320

Affiliation:

Affiliation Type Desc: Document Preparer
Entity Name: Judi Goodin

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 2240 Mercury Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Identification Signer
Entity Name: Judi Goodin
Entity Title: Safety Operations Leader

Affiliation Type Desc: Legal Owner
Entity Name: Kaiser Foundation Hospital
Affiliation Address: One Kaiser Plaza
Affiliation City: Oakland

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER SANTA ROSA MOB 6 (Continued)

S119085718

Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95612
Affiliation Phone: (510) 271-5800

Affiliation Type Desc: Environmental Contact
Entity Name: Thomas Goob
Affiliation Address: 401 Bicentennial Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95403

Affiliation Type Desc: Operator
Entity Name: Judi Goodin
Affiliation Phone: (707) 393-4356

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Parent Corporation
Entity Name: Kaiser Permanente

Affiliation Type Desc: Property Owner
Entity Name: Kaiser Permanente
Affiliation Address: One Kaiser Plaza
Affiliation City: Oakland
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95612
Affiliation Phone: (510) 271-5800

**C7
SW
< 1/8
0.119 mi.
630 ft.**

**CRFT MANUFACTURING INC.
2330 CIRCADIAN WAY
SANTA RISA, CA 95407**

**CERS HAZ WASTE
CERS**

**S121769924
N/A**

Site 1 of 4 in cluster C

**Relative:
Lower
Actual:
107 ft.**

CERS HAZ WASTE:
Site ID: 375564
CERS ID: 10113343
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 375564
Site Name: CRFT Manufacturing INC.
Violation Date: 07-11-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CRFT MANUFACTURING INC. (Continued)

S121769924

Violation Notes: quantities. A change of business address, business ownership, or
Violation Division: business name. A substantial change in the handler's operations that
Violation Program: requires modification to any portion of the business plan.
Violation Source: Returned to compliance on 07/17/2018.
Santa Rosa City Fire Department
HMRRP
CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-11-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-11-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Chris Potter

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 2330 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Operator
Entity Name: CRFT Manufacturing INC.
Affiliation Phone: (707) 757-7070

Affiliation Type Desc: Parent Corporation
Entity Name: CRFT Manufacturing, Inc

Affiliation Type Desc: Environmental Contact
Entity Name: Cheriene Griffith
Affiliation Address: 2330 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Legal Owner
Entity Name: 2330 Circadian Way, LLC
Affiliation Address: 2330 Circadian Way, Bldg B
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Country: United States

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CRFT MANUFACTURING INC. (Continued)

S121769924

Affiliation Zip: 95407
Affiliation Phone: (415) 218-6541

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Identification Signer
Entity Name: Chris Potter
Entity Title: Head Of Security and Safety

CERS:

Name: CRFT MANUFACTURING INC.
Address: 2330 CIRCADIAN WAY
City,State,Zip: SANTA RISA, CA 95407
Site ID: 375564
CERS ID: 10113343
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 375564
Site Name: CRFT Manufacturing INC.
Violation Date: 07-11-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violation Notes: Returned to compliance on 07/17/2018.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-11-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-11-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CRFT MANUFACTURING INC. (Continued)

S121769924

Eval Source: CERS

Affiliation:

Affiliation Type Desc: Document Preparer
Entity Name: Chris Potter

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 2330 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Operator
Entity Name: CRFT Manufacturing INC.
Affiliation Phone: (707) 757-7070

Affiliation Type Desc: Parent Corporation
Entity Name: CRFT Manufacturing, Inc

Affiliation Type Desc: Environmental Contact
Entity Name: Cheriene Griffith
Affiliation Address: 2330 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Legal Owner
Entity Name: 2330 Circadian Way, LLC
Affiliation Address: 2330 Circadian Way, Bldg B
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (415) 218-6541

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Identification Signer
Entity Name: Chris Potter
Entity Title: Head Of Security and Safety

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C8
SW
< 1/8
0.119 mi.
630 ft.
Site 2 of 4 in cluster C

CPS-SLIC
CERS
S105051004
N/A

Relative:
Lower

CPS-SLIC:

Actual:
107 ft.

Name: SANTA ROSA CORPORATE CENTER
Address: 2330 CIRCADIAN WAY
City,State,Zip: SANTA ROSA, CA 95401
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 04/20/1995
Global Id: T0609793164
Lead Agency: NORTH COAST RWQCB (REGION 1)
Latitude: 38.420872
Longitude: -122.753861
Case Type: Cleanup Program Site
Case Worker: ZZZ
Local Agency: SONOMA COUNTY
RB Case Number: 1NSO153
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: * Metals/Heavy Metals - Arsenic

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

SLIC REG 1:

Region: 1
Facility ID: 1NSO153
Staff Initials: Facility Closed

CERS:

Name: SANTA ROSA CORPORATE CENTER
Address: 2330 CIRCADIAN WAY
City,State,Zip: SANTA ROSA, CA 95401
Site ID: 228288
CERS ID: T0609793164
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: ENVIRON HEALTH STAFF (NON LOP-RB1) - SONOMA COUNTY
Affiliation Address: 625 5th Street
Affiliation City: SANTA ROSA
Affiliation State: CA

Affiliation Type Desc: Regional Board Caseworker
Entity Name: REGIONAL WATER BOARD SITE CLOSED - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075762220

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

C9
SW
< 1/8
0.119 mi.
630 ft.

RELUCENT SOLUTIONS LLC
2330 CIRCADIAN WAY
SANTA ROSA, CA 95407

Site 3 of 4 in cluster C

RCRA-SQG
FINDS
ECHO

1000268506
CAD981667264

Relative:
Lower

RCRA-SQG:

Date form received by agency: 08/05/2008

Actual:
107 ft.

Facility name:

RELUCENT SOLUTIONS LLC

Facility address:

2330 CIRCADIAN WAY
SANTA ROSA, CA 95407

EPA ID:

CAD981667264

Contact:

STEVEN P PARMELEE

Contact address:

2330 CIRCADIAN WAY
SANTA ROSA, CA 95407

Contact country:

US

Contact telephone:

880-630-7704

Telephone ext.:

101

Contact email:

PARMELEE@RELUCENTSOLUTIONS.COM

EPA Region:

09

Classification:

Small Small Quantity Generator

Description:

Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:

STEVE PARMELEE

Owner/operator address:

2330 CIRCADIAN WY
SANTA ROSA, CA 95407

Owner/operator country:

US

Legal status:

Private

Owner/Operator Type:

Owner

Owner/Op start date:

03/01/2008

Owner/operator name:

STEVE PARMELEE

Legal status:

Private

Owner/Operator Type:

Operator

Owner/Op start date:

03/01/2008

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELUCENT SOLUTIONS LLC (Continued)

1000268506

Historical Generators:

Date form received by agency: 02/15/1996
Site name: COGNIS, INC.
Classification: Large Quantity Generator

Date form received by agency: 12/18/1995
Site name: HENKEL RESEARCH CORP
Classification: Not a generator, verified

Date form received by agency: 03/17/1994
Site name: COGNIS INC
Classification: Large Quantity Generator

Date form received by agency: 02/17/1992
Site name: COGNIS, INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: D002
. Waste name: CORROSIVE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110000784287

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110055903214

Environmental Interest/Information System
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000268506
Registry ID: 110000784287
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110000784287>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D10
SE
< 1/8
0.122 mi.
646 ft.
Site 1 of 3 in cluster D

HIST UST
HAZNET
U001609369
N/A

Relative:
Higher

Actual:
112 ft.

HIST UST:
Name: WESTERN BUILDERS EMPIRE GLASS
Address: 1234 APOLLO WAY
City,State,Zip: SANTA ROSA, CA 95402
File Number: 0002192F
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002192F.pdf>
Region: STATE
Facility ID: 00000045213
Facility Type: Other
Other Type: GLAZING CONTRACTOR
Telephone: 7075425534
Owner Name: WESTERN BUILDERS EMPIRE GLASS
Owner Address: 1234 APOLLO WAY
Owner City,St,Zip: SANTA ROSA, CA 95407
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1984
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Leak Detection: Visual, Vapor Sniff Well

Tank Num: 002
Container Num: 1
Year Installed: 1984
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Leak Detection: Visual, Vapor Sniff Well

[Click here for Geo Tracker PDF:](#)

HAZNET:

Name: KEEGAN & COPPIN BUILDERS, INC.
Address: 1234 APOLLO WAY
City,State,Zip: SANTA ROSA, CA 95401
Year: 2017
GEPAID: CAC002937023
Contact: ZACKIE R PARKER
Telephone: 7079741967
Mailing Address: 1355 NORTH DUTTON AVE
Mailing City,St,Zip: SANTA ROSA, CA 95401
Gen County: Sonoma
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Tons: 0.35
CA Waste Code: 352-Other organic solids
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Facility County: Sonoma

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

D11
SE
< 1/8
0.122 mi.
646 ft.
Site 2 of 3 in cluster D

LUST
HIST CORTESE
CERS
S101304892
N/A

Relative:
Higher

Actual:
112 ft.

LUST:

Name: BERTOLI, AUGUSTINE, JR ETAL
Address: 1234 APOLLO WAY
City,State,Zip: SANTA ROSA, CA 95407
Lead Agency: NORTH COAST RWQCB (REGION 1)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700686
Global Id: T0609700686
Latitude: 38.421258
Longitude: -122.748638
Status: Completed - Case Closed
Status Date: 08/19/1999
Case Worker: ZZZ
RB Case Number: 1TSR211
Local Agency: SANTA ROSA, CITY OF
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline

LUST:

Global Id: T0609700686
Contact Type: Local Agency Caseworker
Contact Name: LOCAL PERMIT WORKER SANTA ROSA
Organization Name: SANTA ROSA, CITY OF
Address: 625 5th Street
City: SANTA ROSA
Phone Number: 7075433500

Global Id: T0609700686
Contact Type: Regional Board Caseworker
Contact Name: REGIONAL WATER BOARD SITE CLOSED
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: craig.hunt@waterboards.ca.gov
Phone Number: 7075762220

LUST:

Global Id: T0609700686
Action Type: ENFORCEMENT
Date: 05/07/1992
Action: * Historical Enforcement

Global Id: T0609700686
Action Type: Other
Date: 04/29/1992
Action: Leak Discovery

Global Id: T0609700686
Action Type: Other
Date: 04/29/1992
Action: Leak Stopped

Global Id: T0609700686

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BERTOLI, AUGUSTINE, JR ET (Continued)

S101304892

Action Type: Other
Date: 04/29/1992
Action: Leak Reported

LUST:

Global Id: T0609700686
Status: Open - Case Begin Date
Status Date: 04/29/1992

Global Id: T0609700686
Status: Open - Site Assessment
Status Date: 05/07/1992

Global Id: T0609700686
Status: Open - Remediation
Status Date: 08/18/1999

Global Id: T0609700686
Status: Open - Site Assessment
Status Date: 08/18/1999

Global Id: T0609700686
Status: Open - Verification Monitoring
Status Date: 08/18/1999

Global Id: T0609700686
Status: Completed - Case Closed
Status Date: 08/19/1999

LUST REG 1:

Region: 1
Facility ID: 1TSR211
Staff Initials: Closed

HIST CORTESE:

edr_fname: BERTOLI, AUGUSTINE, JR ET
edr_fadd1: 1234 APOLLO
City,State,Zip: SANTA ROSA, CA 95407
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSR211

CERS:

Name: BERTOLI, AUGUSTINE, JR ETAL
Address: 1234 APOLLO WAY
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 202169
CERS ID: T0609700686
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: REGIONAL WATER BOARD SITE CLOSED - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BERTOLI, AUGUSTINE, JR ET (Continued)

S101304892

Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075762220

Affiliation Type Desc: Local Agency Caseworker
Entity Name: LOCAL PERMIT WORKER SANTA ROSA - SANTA ROSA, CITY OF
Affiliation Address: 625 5th Street
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075433500

D12
SE
< 1/8
0.122 mi.
646 ft.

EMPIRE GLASS
1234 APOLLO WAY
SANTA ROSA, CA 95402

SWEEPS UST **S101595279**
CA FID UST **N/A**

Relative:
Higher

Site 3 of 3 in cluster D

Actual:
112 ft.

SWEEPS UST:
Name: EMPIRE GLASS
Address: 1234 APOLLO WAY
City: SANTA ROSA
Comp Number: 45213
Board Of Equalization: 44-028284
SWRCB Tank Id: 49-060-045213-000001
Capacity: 1000
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 2

Name: EMPIRE GLASS
Address: 1234 APOLLO WAY
City: SANTA ROSA
Comp Number: 45213
Board Of Equalization: 44-028284
SWRCB Tank Id: 49-060-045213-000002
Capacity: 1000
Tank Use: M.V. FUEL
STG: PRODUCT
Content: PRM UNLEADED

CA FID UST:

Facility ID: 49000403
Regulated By: UTKI
Regulated ID: CAC000628
Mailing Address: 1234 APOLLO WAY
Mailing City,St,Zip: SANTA ROSA 95402
Status: Inactive

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E13
North
1/8-1/4
0.131 mi.
693 ft.

ANGEL MOTORS INC.
2835 SEBASTOPOL RD.
SANTA ROSA, CA 95407

RCRA NonGen / NLR

1024876186
CAL930425511

Site 1 of 4 in cluster E

Relative:
Higher

RCRA NonGen / NLR:

Actual:
113 ft.

Date form received by agency: 02/11/1993
Facility name: ANGEL MOTORS INC.
Facility address: 2835 SEBASTOPOL RD.
SANTA ROSA, CA 95407-0000
EPA ID: CAL930425511
Mailing address: 2835 SEBASTOPOL RD
SANTA ROSA, CA 95407-6733
Contact: ANGEL OCHOA
Contact address: 2835 SEBASTOPOL ROAD 4/10/01
SANTA ROSA, CA 95407
Contact telephone: 707-578-1592
Contact email: SALES@ANGELMOTORS.NET
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: ANGEL OCHOA
Owner/operator address: 2835 SEBASTOPOL ROAD 4/10/01
SANTA ROSA, CA 95407
Owner/operator telephone: 707-578-1592
Legal status: Other
Owner/Operator Type: Operator

Owner/operator name: ANGEL OCHOA
Owner/operator address: 2835 SEBASTOPOL RD.
SANTA ROSA, CA 95407
Owner/operator telephone: 707-578-1592
Legal status: Other
Owner/Operator Type: Owner

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

E14
North
1/8-1/4
0.131 mi.
693 ft.
Site 2 of 4 in cluster E

CERS HAZ WASTE
CERS
S121794225
N/A

Relative:
Higher
Actual:
113 ft.

CERS HAZ WASTE:
Site ID:
CERS ID:
CERS Description:

92338
10115449
Hazardous Waste Generator

Violations:

Site ID: 92338
Site Name: ANGEL MOTORS
Violation Date: 09-01-2016
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 10/06/2016. Owner emailed photos showing compliance.
Violation Division: Santa Rosa City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 92338
Site Name: ANGEL MOTORS
Violation Date: 08-28-2013
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Training - General
Violation Notes: Returned to compliance on 10/28/2013.
Violation Division: Santa Rosa City Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2010
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: Santa Rosa
Eval Division: Santa Rosa City Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-28-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANGEL MOTORS (Continued)

S121794225

Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-28-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-28-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 92338
Facility Name: ANGEL MOTORS
Env Int Type Code: HWG
Program ID: 10115449
Ref Point Type Desc: Unknown
Latitude: 38.426563
Longitude: -122.750946

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: ANGEL MOTORS, INC.
Affiliation Address: 2835 SEBASTOPOL RD
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (707) 578-1592

Affiliation Type Desc: Document Preparer
Entity Name: ANGEL OCHOA

Affiliation Type Desc: Environmental Contact
Entity Name: ANGEL OCHOA
Affiliation Address: 2835 SEBASTOPOL RD
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Zip: 95407

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANGEL MOTORS (Continued)

S121794225

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 2835 SEBASTOPOL RD
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Operator
Entity Name: ANGEL MOTORS, INC.
Affiliation Phone: (707) 578-1592

Affiliation Type Desc: Parent Corporation
Entity Name: ANGEL MOTORS

Affiliation Type Desc: Identification Signer
Entity Name: ANGEL OCHOA
Entity Title: OWNER

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Property Owner
Entity Name: ANGEL OCHOA
Affiliation Address: 2835 SEBASTOPOL RD
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (707) 578-1592

CERS:
Name: ANGEL MOTORS
Address: 2835 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 92338
CERS ID: 10115449
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 92338
Site Name: ANGEL MOTORS
Violation Date: 09-01-2016
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 10/06/2016. Owner emailed photos showing compliance.
Violation Division: Santa Rosa City Fire Department
Violation Program: HW
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANGEL MOTORS (Continued)

S121794225

Site ID: 92338
Site Name: ANGEL MOTORS
Violation Date: 08-28-2013
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Training - General
Violation Notes: Returned to compliance on 10/28/2013.
Violation Division: Santa Rosa City Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2010
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: Santa Rosa
Eval Division: Santa Rosa City Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-28-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-28-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-28-2013
Violations Found: Yes
Eval Type: Routine done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANGEL MOTORS (Continued)

S121794225

Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 92338
Facility Name: ANGEL MOTORS
Env Int Type Code: HWG
Program ID: 10115449
Ref Point Type Desc: Unknown
Latitude: 38.426563
Longitude: -122.750946

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: ANGEL MOTORS, INC.
Affiliation Address: 2835 SEBASTOPOL RD
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (707) 578-1592

Affiliation Type Desc: Document Preparer
Entity Name: ANGEL OCHOA

Affiliation Type Desc: Environmental Contact
Entity Name: ANGEL OCHOA
Affiliation Address: 2835 SEBASTOPOL RD
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 2835 SEBASTOPOL RD
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Operator
Entity Name: ANGEL MOTORS, INC.
Affiliation Phone: (707) 578-1592

Affiliation Type Desc: Parent Corporation
Entity Name: ANGEL MOTORS

Affiliation Type Desc: Identification Signer
Entity Name: ANGEL OCHOA
Entity Title: OWNER

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANGEL MOTORS (Continued)

S121794225

Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Property Owner
Entity Name: ANGEL OCHOA
Affiliation Address: 2835 SEBASTOPOL RD
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (707) 578-1592

15
NNW
1/8-1/4
0.156 mi.
823 ft.

POSADA, UAN
840 BRITTAIN LANE
SANTA ROSA, CA 95401

CPS-SLIC **S105051156**
CERS **N/A**

Relative:
Higher

Actual:
112 ft.

CPS-SLIC:
Name: POSADA, JUAN
Address: 840 BRITTAIN LANE
City,State,Zip: SANTA ROSA, CA 95401
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 07/23/2015
Global Id: T0609793304
Lead Agency: NORTH COAST RWQCB (REGION 1)
Latitude: 38.426687
Longitude: -122.751524
Case Type: Cleanup Program Site
Case Worker: ZZZ
RB Case Number: 1NSR238
File Location: Regional Board
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating

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

SLIC REG 1:

Region: 1
Facility ID: 1NSR238
Staff Initials: JLB

CERS:

Name: POSADA, JUAN
Address: 840 BRITTAIN LANE
City,State,Zip: SANTA ROSA, CA 95401
Site ID: 220825
CERS ID: T0609793304
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: REGIONAL WATER BOARD SITE CLOSED - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POSADA, UAN (Continued)

S105051156

Affiliation State: CA
Affiliation Phone: 7075762220

E16
North
1/8-1/4
0.161 mi.
849 ft.

GUANELLA AUTO BODY
2789 SEBASTOPOL RD
SANTA ROSA, CA 95407

RCRA NonGen / NLR

1024819768
CAL000330820

Site 3 of 4 in cluster E

Relative:
Higher

RCRA NonGen / NLR:

Actual:
114 ft.

Date form received by agency: 03/19/2008
Facility name: GUANELLA AUTO BODY
Facility address: 2789 SEBASTOPOL RD
SANTA ROSA, CA 95407-0000
EPA ID: CAL000330820
Contact: RICHARD GUANELLA
Contact address: 2789 SEBASTOPOL RD
SANTA ROSA, CA 95407
Contact telephone: 707-526-6805
Contact email: ABBE@GUANELLAAUTOBODY.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: RICHARD GUANELLA
Owner/operator address: 2789 SEBASTOPOL RD
SANTA ROSA, CA 95407
Owner/operator telephone: 707-526-6805
Legal status: Other
Owner/Operator Type: Operator

Owner/operator name: GUANELLA AUTO BODY INC
Owner/operator address: 2789 SEBASTOPOL RD
SANTA ROSA, CA 95407
Owner/operator telephone: 707-526-6805
Legal status: Other
Owner/Operator Type: Owner

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUANELLA AUTO BODY (Continued)

1024819768

Violation Status: No violations found

E17
North
1/8-1/4
0.161 mi.
849 ft.

GUANELLA AUTO BODY
2789 SEBASTOPOL ROAD
SANTA ROSA, CA 95407

Site 4 of 4 in cluster E

CERS HAZ WASTE
EMI
CERS

S109281667
N/A

Relative:
Higher

Actual:
114 ft.

CERS HAZ WASTE:
Site ID: 120926
CERS ID: 10125400
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 120926
Site Name: Guanella Auto BOdy
Violation Date: 08-25-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 09/22/2014.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 120926
Site Name: Guanella Auto BOdy
Violation Date: 08-25-2014
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 09/22/2014.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 120926
Site Name: Guanella Auto BOdy
Violation Date: 08-25-2014
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 09/22/2014.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 120926
Site Name: Guanella Auto BOdy
Violation Date: 08-25-2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUANELLA AUTO BODY (Continued)

S109281667

Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 09/22/2014.

Violation Division: Santa Rosa City Fire Department

Violation Program: HW

Violation Source: CERS

Site ID: 120926

Site Name: Guanella Auto BOdy

Violation Date: 08-25-2014

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violation Notes: Returned to compliance on 09/22/2014.

Violation Division: Santa Rosa City Fire Department

Violation Program: HMRRP

Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection

Eval Date: 08-25-2014

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Division: Santa Rosa City Fire Department

Eval Program: HMRRP

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Eval Date: 06-15-2017

Violations Found: No

Eval Type: Routine done by local agency

Eval Division: Santa Rosa City Fire Department

Eval Program: HMRRP

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Eval Date: 08-25-2014

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Division: Santa Rosa City Fire Department

Eval Program: HW

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Eval Date: 06-15-2017

Violations Found: No

Eval Type: Routine done by local agency

Eval Division: Santa Rosa City Fire Department

Eval Program: HW

Eval Source: CERS

Coordinates:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUANELLA AUTO BODY (Continued)

S109281667

Site ID: 120926
Facility Name: Guanella Auto BODy
Env Int Type Code: FRS-AIR
Program ID: 110054318001
Ref Point Type Desc: Unknown
Latitude: 38.426770
Longitude: -122.750360

Affiliation:

Affiliation Type Desc: Legal Owner
Entity Name: Guanella Auto Body, Inc.
Affiliation Address: 2789 sebastopol road
Affiliation City: santa rosa
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (707) 526-6805

Affiliation Type Desc: Property Owner
Entity Name: RICHARD & ABIGAIL GUANELLA
Affiliation Address: 2200 BRUSH CREEK ROAD
Affiliation City: SANTAROSA

Affiliation Type Desc: Operator
Entity Name: Richard Guanella
Affiliation Phone: (707) 526-6805

Affiliation Type Desc: Property Owner
Entity Name: Richard and Abigail Guanella
Affiliation Address: 2200 Brush Creek Road
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95404
Affiliation Phone: (707) 539-0712

Affiliation Type Desc: Environmental Contact
Entity Name: Abigail Guanella
Affiliation Address: 2789 Sebastopol Road
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 2789 Sebastopol Road
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Identification Signer
Entity Name: Abigail Guanella
Entity Title: office manager

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUANELLA AUTO BODY (Continued)

S109281667

Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Document Preparer
Entity Name: Abigail Guanella

Affiliation Type Desc: Environmental Contact
Entity Name: Abigail Guanella
Affiliation Address: 2789 SEBASTOPOL ROAD
Affiliation City: SANTAROSA

Affiliation Type Desc: Parent Corporation
Entity Name: Guanella Auto BOdy

EMI:

Name: GUANELLA AUTO BODY
Address: 2789 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Year: 2006
County Code: 49
Air Basin: SF
Facility ID: 17841
Air District Name: BA
SIC Code: 7532
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.345
Reactive Organic Gases Tons/Yr: 1.12831
Carbon Monoxide Emissions Tons/Yr: .002
NOX - Oxides of Nitrogen Tons/Yr: .007
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: GUANELLA AUTO BODY
Address: 2789 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Year: 2007
County Code: 49
Air Basin: SF
Facility ID: 17841
Air District Name: BA
SIC Code: 7532
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: .036
Reactive Organic Gases Tons/Yr: .0303002
Carbon Monoxide Emissions Tons/Yr: .002
NOX - Oxides of Nitrogen Tons/Yr: .007
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: GUANELLA AUTO BODY
Address: 2789 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUANELLA AUTO BODY (Continued)

S109281667

Year:	2008
County Code:	49
Air Basin:	SF
Facility ID:	17841
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr:	.748
Reactive Organic Gases Tons/Yr:	.6550159
Carbon Monoxide Emissions Tons/Yr:	.006
NOX - Oxides of Nitrogen Tons/Yr:	.025
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.000574
Name:	GUANELLA AUTO BODY
Address:	2789 SEBASTOPOL ROAD
City,State,Zip:	SANTA ROSA, CA 95407
Year:	2009
County Code:	49
Air Basin:	SF
Facility ID:	17841
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr:	0.8129999999999999
Reactive Organic Gases Tons/Yr:	0.6897488000000000
Carbon Monoxide Emissions Tons/Yr:	8.999999999999999E-3
NOX - Oxides of Nitrogen Tons/Yr:	3.5999999999999997E-2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.7399999999999997E-4
Name:	GUANELLA AUTO BODY
Address:	2789 SEBASTOPOL ROAD
City,State,Zip:	SANTA ROSA, CA 95407
Year:	2010
County Code:	49
Air Basin:	SF
Facility ID:	17841
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr:	0.8110000000000000
Reactive Organic Gases Tons/Yr:	0.7227573999999999
Carbon Monoxide Emissions Tons/Yr:	0.01
NOX - Oxides of Nitrogen Tons/Yr:	4.0000000000000001E-2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.00174216027874564
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.001
Name:	GUANELLA AUTO BODY
Address:	2789 SEBASTOPOL ROAD
City,State,Zip:	SANTA ROSA, CA 95407
Year:	2011
County Code:	49
Air Basin:	SF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUANELLA AUTO BODY (Continued)

S109281667

Facility ID: 17841
Air District Name: BA
SIC Code: 7532
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 0.912
Reactive Organic Gases Tons/Yr: 0.8251238
Carbon Monoxide Emissions Tons/Yr: 0.01
NOX - Oxides of Nitrogen Tons/Yr: 0.042
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: GUANELLA AUTO BODY
Address: 2789 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Year: 2012
County Code: 49
Air Basin: SF
Facility ID: 17841
Air District Name: BA
SIC Code: 7532
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.238
Reactive Organic Gases Tons/Yr: 1.0911862
Carbon Monoxide Emissions Tons/Yr: 0.009
NOX - Oxides of Nitrogen Tons/Yr: 0.038
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.0017421602787
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.001

Name: GUANELLA AUTO BODY
Address: 2789 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Year: 2013
County Code: 49
Air Basin: SF
Facility ID: 17841
Air District Name: BA
SIC Code: 7532
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.159
Reactive Organic Gases Tons/Yr: 1.0106918
Carbon Monoxide Emissions Tons/Yr: 0.007
NOX - Oxides of Nitrogen Tons/Yr: 0.03
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.001

Name: GUANELLA AUTO BODY
Address: 2789 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Year: 2014
County Code: 49
Air Basin: SF
Facility ID: 17841
Air District Name: BA
SIC Code: 7532

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUANELLA AUTO BODY (Continued)

S109281667

Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.158369229
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0.007478333
NOX - Oxides of Nitrogen Tons/Yr: 0.029962686
SOX - Oxides of Sulphur Tons/Yr: 0.000121416
Particulate Matter Tons/Yr: 0.000641
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.000641

Name: GUANELLA AUTO BODY
Address: 2789 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Year: 2015
County Code: 49
Air Basin: SF
Facility ID: 17841
Air District Name: BA
SIC Code: 7532
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1.158369245
Reactive Organic Gases Tons/Yr: 1.157963278
Carbon Monoxide Emissions Tons/Yr: 0.007478333
NOX - Oxides of Nitrogen Tons/Yr: 0.02996269
SOX - Oxides of Sulphur Tons/Yr: 0.000121416
Particulate Matter Tons/Yr: 0.000641
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.000641

CERS:
Name: GUANELLA AUTO BODY
Address: 2789 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 120926
CERS ID: 10125400
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 120926
Site Name: Guanella Auto BOdy
Violation Date: 08-25-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 09/22/2014.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 120926
Site Name: Guanella Auto BOdy
Violation Date: 08-25-2014
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUANELLA AUTO BODY (Continued)

S109281667

quantities. A change of business address, business ownership, or business name.
Returned to compliance on 09/22/2014.

Violation Notes: Santa Rosa City Fire Department
Violation Division: HMRRP
Violation Program: CERS
Violation Source:

Site ID: 120926
Site Name: Guanella Auto BOdy
Violation Date: 08-25-2014
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 09/22/2014.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 120926
Site Name: Guanella Auto BOdy
Violation Date: 08-25-2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 09/22/2014.
Violation Division: Santa Rosa City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 120926
Site Name: Guanella Auto BOdy
Violation Date: 08-25-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 09/22/2014.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-25-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUANELLA AUTO BODY (Continued)

S109281667

Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-25-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 120926
Facility Name: Guanella Auto BOdy
Env Int Type Code: FRS-AIR
Program ID: 110054318001
Ref Point Type Desc: Unknown
Latitude: 38.426770
Longitude: -122.750360

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: Guanella Auto Body, Inc.
Affiliation Address: 2789 sebastopol road
Affiliation City: santa rosa
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (707) 526-6805

Affiliation Type Desc: Property Owner
Entity Name: RICHARD & ABIGAIL GUANELLA
Affiliation Address: 2200 BRUSH CREEK ROAD
Affiliation City: SANTAROSA

Affiliation Type Desc: Operator
Entity Name: Richard Guanella
Affiliation Phone: (707) 526-6805

Affiliation Type Desc: Property Owner
Entity Name: Richard and Abigail Guanella
Affiliation Address: 2200 Brush Creek Road
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Country: United States

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUANELLA AUTO BODY (Continued)

S109281667

Affiliation Zip: 95404
Affiliation Phone: (707) 539-0712

Affiliation Type Desc: Environmental Contact
Entity Name: Abigail Guanella
Affiliation Address: 2789 Sebastopol Road
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 2789 Sebastopol Road
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Identification Signer
Entity Name: Abigail Guanella
Entity Title: office manager

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Document Preparer
Entity Name: Abigail Guanella

Affiliation Type Desc: Environmental Contact
Entity Name: Abigail Guanella
Affiliation Address: 2789 SEBASTOPOL ROAD
Affiliation City: SANTAROSA

Affiliation Type Desc: Parent Corporation
Entity Name: Guanella Auto BOdy

Name: GUANELLA AUTO BODY
Address: 2789 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 120926
CERS ID: 110054318001
CERS Description: US EPA Air Emission Inventory System (EIS)

Violations:
Site ID: 120926
Site Name: Guanella Auto BOdy
Violation Date: 08-25-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 09/22/2014.
Violation Division: Santa Rosa City Fire Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUANELLA AUTO BODY (Continued)

S109281667

Violation Program: HMRRP
Violation Source: CERS

Site ID: 120926
Site Name: Guanella Auto BOdy
Violation Date: 08-25-2014
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.

Violation Notes: Returned to compliance on 09/22/2014.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 120926
Site Name: Guanella Auto BOdy
Violation Date: 08-25-2014
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 09/22/2014.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 120926
Site Name: Guanella Auto BOdy
Violation Date: 08-25-2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 09/22/2014.
Violation Division: Santa Rosa City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 120926
Site Name: Guanella Auto BOdy
Violation Date: 08-25-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 09/22/2014.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUANELLA AUTO BODY (Continued)

S109281667

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-25-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-25-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:

Site ID: 120926
Facility Name: Guanella Auto BOdy
Env Int Type Code: FRS-AIR
Program ID: 110054318001
Ref Point Type Desc: Unknown
Latitude: 38.426770
Longitude: -122.750360

Affiliation:

Affiliation Type Desc: Legal Owner
Entity Name: Guanella Auto Body, Inc.
Affiliation Address: 2789 sebastopol road
Affiliation City: santa rosa
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (707) 526-6805

Affiliation Type Desc: Property Owner
Entity Name: RICHARD & ABIGAIL GUANELLA
Affiliation Address: 2200 BRUSH CREEK ROAD
Affiliation City: SANTAROSA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUANELLA AUTO BODY (Continued)

S109281667

Affiliation Type Desc:	Operator
Entity Name:	Richard Guanella
Affiliation Phone:	(707) 526-6805
Affiliation Type Desc:	Property Owner
Entity Name:	Richard and Abigail Guanella
Affiliation Address:	2200 Brush Creek Road
Affiliation City:	Santa Rosa
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95404
Affiliation Phone:	(707) 539-0712
Affiliation Type Desc:	Environmental Contact
Entity Name:	Abigail Guanella
Affiliation Address:	2789 Sebastopol Road
Affiliation City:	Santa Rosa
Affiliation State:	CA
Affiliation Zip:	95407
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Affiliation Address:	2789 Sebastopol Road
Affiliation City:	Santa Rosa
Affiliation State:	CA
Affiliation Zip:	95407
Affiliation Type Desc:	Identification Signer
Entity Name:	Abigail Guanella
Entity Title:	office manager
Affiliation Type Desc:	CUPA District
Entity Name:	Santa Rosa Fire Dept
Affiliation Address:	2373 Circadian Way
Affiliation City:	Santa Rosa
Affiliation State:	CA
Affiliation Zip:	95407
Affiliation Phone:	(707) 543-3500
Affiliation Type Desc:	Document Preparer
Entity Name:	Abigail Guanella
Affiliation Type Desc:	Environmental Contact
Entity Name:	Abigail Guanella
Affiliation Address:	2789 SEBASTOPOL ROAD
Affiliation City:	SANTAROSA
Affiliation Type Desc:	Parent Corporation
Entity Name:	Guanella Auto BOdy

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

C18
SW
1/8-1/4
0.164 mi.
866 ft.
Site 4 of 4 in cluster C

RCRA-LQG
CHMIRS
1000978233
CA0000976084

Relative:
Lower

RCRA-LQG:

Actual:
106 ft.

Date form received by agency: 01/31/2008
Facility name: JDSU - FLEX PRODUCTS GROUP
Facility address: 2331 CIRCADIAN WAY
SANTA ROSA, CA 95407
EPA ID: CA0000976084
Mailing address: 1402 MARINER WAY
SANTA ROSA, CA 95407
Contact: TONY L SHIMETZ
Contact country: US
Contact telephone: 707-525-7886
Contact email: TONY.SHIMETZ@JDSU.COM
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: JDSU
Owner/operator country: US
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/04/2000

Owner/operator name: JDSU
Owner/operator address: 430 N. MCCARTHY BLVD
MILPITAS, CA 95035
Owner/operator country: US
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/04/2000

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JDSU - FLEX PRODUCTS GROUP (Continued)

1000978233

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/15/2006
Site name: JDSU - FLEX PRODUCTS
Classification: Small Quantity Generator

Date form received by agency: 02/23/2004
Site name: FLEX PRODUCTS, INC.
Classification: Large Quantity Generator

Date form received by agency: 02/07/2002
Site name: FLEX PRODUCTS, INC.
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: FLEX PRODUCTS, INC
Classification: Large Quantity Generator

Date form received by agency: 10/17/1996
Site name: FLEX PRODUCTS INC
Classification: Small Quantity Generator

Date form received by agency: 09/01/1996
Site name: FLEX PRODUCTS INC
Classification: Small Quantity Generator

Date form received by agency: 02/15/1996
Site name: COGNIS, INC.
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JDSU - FLEX PRODUCTS GROUP (Continued)

1000978233

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:

Area of violation: Generators - General
Date violation determined: 02/09/2004
Date achieved compliance: 02/09/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/09/2004
Enforcement lead agency: State

Evaluation Action Summary:

Evaluation date: 02/09/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/09/2004
Evaluation lead agency: State Contractor/Grantee

CHMIRS:

Address: 2331 CIRCADIAN
City,State,Zip: SANTA ROSA, CA 95407
OES Incident Number: 11775
OES Date: 1/15/1996
OES Time: 08:42:14 PM
Waterway Involved: YES
Cleanup By: local fd and on site personnel
Type: CHEMICAL
Year: 1996
Agency: Santa Rosa
Incident Date: 1324
Amount: 10 to 25 grams
Contained: NO
Site Type: OTHER
Substance: hydrochloric acid / Tri Floro Bromine
Evacuations: YES
Number of Injuries: NO
Number of Fatalities: NO
Description: Accident in laboratory -15 people evacuated -

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JDSU - FLEX PRODUCTS GROUP (Continued)

1000978233

allowed to return after clean up - no injuries

F19
SSW
1/8-1/4
0.180 mi.
948 ft.

CARMEL VALLEY RANCH
1269 CORPORATE CENTER
SANTA ROSA, CA 95407

HIST CORTESE

S105026496
N/A

Site 1 of 2 in cluster F

Relative:
Lower
Actual:
107 ft.

HIST CORTESE:
edr_fname: CARMEL VALLEY RANCH
edr_fadd1: 1269 CORPORATE CENTER
City,State,Zip: SANTA ROSA, CA 95407
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 2965

G20
NNW
1/8-1/4
0.211 mi.
1115 ft.

SILVA'S GARAGE
851 BRITTAIN LN
SANTA ROSA, CA 95407

SWEEPS UST
HIST UST
CA FID UST

S101627378
N/A

Site 1 of 2 in cluster G

Relative:
Higher
Actual:
112 ft.

SWEEPS UST:
Name: SILVA'S GARAGE
Address: 851 BRITTAIN LN
City: SANTA ROSA
Status: Active
Comp Number: 38451
Number: 9
Referral Date: 07-01-85
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 49-060-038451-000001
Tank Status: A
Capacity: 500
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 1

HIST UST:

Name: SILVAS GARAGE
Address: 851 BRITTAIN LANE
City,State,Zip: SANTA ROSA, CA 95407
File Number: 000216DF
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000216DF.pdf>

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID: 49003752
Regulated By: UTNKA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SILVA'S GARAGE (Continued)

S101627378

Regulated ID: 00038451
Facility Phone: 7075462691
Mailing Address: 851 BRITTAIN LN
Mailing City,St,Zip: SANTA ROSA 95407
Status: Active

G21
NNW
1/8-1/4
0.211 mi.
1115 ft.
SILVA'S GARAGE
851 BRITTAIN LN
SANTA ROSA, CA 95407
Site 2 of 2 in cluster G

HIST UST **U001609576**
N/A

Relative:
Higher

HIST UST:

Actual:
112 ft.

Name: SILVA'S GARAGE
Address: 851 BRITTAIN LN
City,State,Zip: SANTA ROSA, CA 95407
Region: STATE
Facility ID: 00000038451
Telephone: 7075462691
Owner Name: DAVID SILVA
Owner Address: 851 BRITTAIN LANE
Owner City,St,Zip: SANTA ROSA, CA 95407
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1974
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 12
Leak Detection: Stock Inventor

H22
South
1/8-1/4
0.220 mi.
1161 ft.
SPRINT PCS SWITCH
2270 APOLLO WAY
SANTA ROSA, CA 95405
Site 1 of 3 in cluster H

CERS TANKS **S121747449**
CERS **N/A**

Relative:
Lower

CERS TANKS:

Actual:
108 ft.

Name: SPRINT PCS SWITCH
Address: 2270 APOLLO WAY
City,State,Zip: SANTA ROSA, CA 95405
Site ID: 156271
CERS ID: 10122694
CERS Description: Aboveground Petroleum Storage

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-04-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPRINT PCS SWITCH (Continued)

S121747449

Eval Date: 12-22-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-22-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Methane and Hydrogen to be removed within 30 days. KR 12/22/15
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-04-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: APSA
Eval Source: CERS

Affiliation:

Affiliation Type Desc: Document Preparer
Entity Name: John Denholm

Affiliation Type Desc: Legal Owner
Entity Name: Sprint
Affiliation Address: P.O. Box 7994
Affiliation City: Shawnee Mission
Affiliation State: KS
Affiliation Country: United States
Affiliation Zip: 66207-0994
Affiliation Phone: (877) 347-4457

Affiliation Type Desc: Environmental Contact
Entity Name: EHS Territory Manager
Affiliation Address: P.O. Box 7994
Affiliation City: Shwnee Mission
Affiliation State: KS
Affiliation Zip: 66207-0994

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: P.O. Box 7994
Affiliation City: Shawnee Mission
Affiliation State: KS
Affiliation Zip: 66207-0994

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPRINT PCS SWITCH (Continued)

S121747449

Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Parent Corporation
Entity Name: Sprint United Management Co.

Affiliation Type Desc: Identification Signer
Entity Name: John Denholm
Entity Title: EHS Engineer III

Affiliation Type Desc: Operator
Entity Name: Sprint
Affiliation Phone: (877) 347-4457

CERS:

Name: SPRINT PCS SWITCH
Address: 2270 APOLLO WAY
City,State,Zip: SANTA ROSA, CA 95405
Site ID: 156271
CERS ID: 10122694
CERS Description: Chemical Storage Facilities

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-04-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-22-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-22-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Methane and Hydrogen to be removed within 30 days. KR 12/22/15
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-04-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: APSA
Eval Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPRINT PCS SWITCH (Continued)

S121747449

Affiliation:

Affiliation Type Desc: Document Preparer
Entity Name: John Denholm

Affiliation Type Desc: Legal Owner
Entity Name: Sprint
Affiliation Address: P.O. Box 7994
Affiliation City: Shawnee Mission
Affiliation State: KS
Affiliation Country: United States
Affiliation Zip: 66207-0994
Affiliation Phone: (877) 347-4457

Affiliation Type Desc: Environmental Contact
Entity Name: EHS Territory Manager
Affiliation Address: P.O. Box 7994
Affiliation City: Shwnnee Mission
Affiliation State: KS
Affiliation Zip: 66207-0994

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: P.O. Box 7994
Affiliation City: Shawnee Mission
Affiliation State: KS
Affiliation Zip: 66207-0994

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Parent Corporation
Entity Name: Sprint United Management Co.

Affiliation Type Desc: Identification Signer
Entity Name: John Denholm
Entity Title: EHS Engineer III

Affiliation Type Desc: Operator
Entity Name: Sprint
Affiliation Phone: (877) 347-4457

H23
South
1/8-1/4
0.220 mi.
1161 ft.

SPRINT PCS
2270 APOLLO WY
SANTA ROSA, CA
Site 2 of 3 in cluster H

AST A100325028
N/A

Relative:
Lower
Actual:
108 ft.

AST:
Name: SPRINT PCS
Address: 2270 APOLLO WY
City/Zip: SANTA ROSA,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPRINT PCS (Continued)

A100325028

Certified Unified Program Agencies: Santa Rosa
Owner: Sprint PCS
Total Gallons: 1,320

H24
South
1/8-1/4
0.220 mi.
1161 ft.

SPRINT PCS SWITCH
2270 APOLLO WAY
SANTA ROSA, CA 95405
Site 3 of 3 in cluster H

AST **A100424801**
N/A

Relative:
Lower

AST:

Actual:
108 ft.

Name: SPRINT PCS SWITCH
Address: 2270 APOLLO WAY
City/Zip: SANTA ROSA,95405
Owner: Sprint
CERSID: 10122694
Business Name: Sprint United Management Co.
Phone: (877) 347-4457 Opt. 4
Fax: 913-523-2040
Mailing Address: P.O. BOX 7994
Mailing Address City: SHAWNEE MISSION
Mailing Address State: KS
Mailing Address Zip Code: 66207
Operator Name: Sprint
Operator Phone: 877-347-4457 Opt4
Owner Phone: (877)347-4457 Opt.4
Owner Mail Address: P.O. Box 7994
Owner State: KS
Owner Zip Code: 66207
Owner Country: United States

F25
SSW
1/8-1/4
0.222 mi.
1170 ft.

ALA CON
2381 CIRCADIAN WAY
SANTA ROSA, CA 95407
Site 2 of 2 in cluster F

SWEEPS UST **S101595416**
CA FID UST **N/A**

Relative:
Lower

SWEEPS UST:

Actual:
106 ft.

Name: ALA CON
Address: 2381 CIRCADIAN WAY
City: SANTA ROSA
Status: Active
Comp Number: 3169
Number: 9
Referral Date: 04-05-90
Action Date: 04-05-90
Created Date: 04-05-90
SWRCB Tank Id: 49-060-003169-000001
Tank Status: A
Capacity: 5000
Active Date: 04-05-90
Tank Use: HAZARDOUS
STG: W
Content: ALCOHOL
Number Of Tanks: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALA CON (Continued)

S101595416

CA FID UST:

Facility ID: 49002409
Regulated By: UTNKA
Facility Phone: 7075730864
Mailing Address: 2381 CIRCADIAN WAY
Mailing City,St,Zip: SANTA ROSA 95407
Status: Active

I26
NW
1/8-1/4
0.225 mi.
1188 ft.

SELVAGE CONCRETE PRODUCTS, INC
3309 SEBASTOPOL RD
SANTA ROSA, CA 95407

Site 1 of 8 in cluster I

LUST U001609575
SWEEPS UST N/A
HIST UST
HIST CORTESE
NPDES
CERS

Relative:
Lower

Actual:
108 ft.

LUST:

Name: SELVAGE CONCRETE
Address: 3309 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Lead Agency: NORTH COAST RWQCB (REGION 1)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700018
Global Id: T0609700018
Latitude: 38.427251
Longitude: -122.755343
Status: Completed - Case Closed
Status Date: 04/30/2001
Case Worker: ZZZ
RB Case Number: 1TSO025
Local Agency: SONOMA COUNTY LOP
Local Case Number: 00001383
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline

LUST:

Global Id: T0609700018
Contact Type: Regional Board Caseworker
Contact Name: REGIONAL WATER BOARD SITE CLOSED
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: craig.hunt@waterboards.ca.gov
Phone Number: 7075762220

LUST:

Global Id: T0609700018
Action Type: Other
Date: 08/24/1987
Action: Leak Discovery

Global Id: T0609700018
Action Type: Other
Date: 08/24/1987
Action: Leak Stopped

Global Id: T0609700018
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SELVAGE CONCRETE PRODUCTS, INC (Continued)

U001609575

Date: 01/27/2000
Action: * Historical Enforcement

Global Id: T0609700018
Action Type: Other
Date: 08/24/1987
Action: Leak Reported

LUST:

Global Id: T0609700018
Status: Open - Case Begin Date
Status Date: 10/16/1986

Global Id: T0609700018
Status: Open - Site Assessment
Status Date: 10/16/1986

Global Id: T0609700018
Status: Open - Site Assessment
Status Date: 10/20/1986

Global Id: T0609700018
Status: Open - Site Assessment
Status Date: 09/02/1987

Global Id: T0609700018
Status: Open - Site Assessment
Status Date: 10/26/1990

Global Id: T0609700018
Status: Open - Remediation
Status Date: 10/13/2000

Global Id: T0609700018
Status: Open - Remediation
Status Date: 04/29/2001

Global Id: T0609700018
Status: Open - Verification Monitoring
Status Date: 04/29/2001

Global Id: T0609700018
Status: Completed - Case Closed
Status Date: 04/30/2001

SWEEPS UST:

Name: SELVAGE CONCRETE PRODUCTS, INC
Address: 3309 SEBASTOPOL RD
City: SANTA ROSA
Status: Active
Comp Number: 14843
Number: 9
Referral Date: 07-01-85
Created Date: 02-29-88
Owner Tank Id: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SELVAGE CONCRETE PRODUCTS, INC (Continued)

U001609575

SWRCB Tank Id: 49-060-014843-000001
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 1

HIST UST:

Name: SELVAGE CONCRETE PRODUCTS INC
Address: 3309 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
File Number: 000216F6
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000216F6.pdf>
Region: STATE
Facility ID: 00000014843
Other Type: YARD PUMP
Contact Name: BILL BANTHRALL
Telephone: 7075422762
Owner Name: SELVAGE CONCRETE PRODUCTS, INC
Owner Address: 3309 SEBASTOPOL RD.
Owner City,St,Zip: SANTA ROSA, CA 95407
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1982
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

HIST CORTESE:

edr_fname: SELVAGE CONCRETE
edr_fadd1: 3309 SEBASTOPOL
City,State,Zip: SANTA ROSA, CA
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSO025

NPDES:

Name: SELVAGE CONCRETE PROD INC
Address: 3309 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
WDID: 1 49I009740
Regulatory Measure Type: Industrial
Status: Active
Status Date: 01/28/1993
Operator Name: Selvage Concrete Products Inc
Operator Address: 3309 Sebastopol Road
Operator City: Santa Rosa
Operator State: California

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SELVAGE CONCRETE PRODUCTS, INC (Continued)

U001609575

Operator Zip: 95407

NPDES as of 03/2018:

Region: 1

Regulatory Measure ID: 178842

Regulatory Measure Type: Industrial

WDID: 1 49I009740

Received Date: 05/09/2008

Processed Date: 01/28/1993

Status: Active

Status Date: 01/28/1993

Place Size: 274000

Place Size Unit: SqFt

Contact: William Kelley

Contact Title: General Manager

Contact Phone: 707-542-2762

Contact Email: office@selvageconcrete.com

Operator Name: Selvage Concrete Products Inc

Operator Address: 3309 Sebastopol Road

Operator City: Santa Rosa

Operator State: California

Operator Zip: 95407

Operator Contact: William Kelley

Operator Contact Title: General Manager

Operator Contact Phone: 707-542-2762

Operator Contact Email: office@selvageconcrete.com

Operator Type: Private Business

Developer State: California

Emergency Phone: 707-542-2762

Dir Discharge Uswater Ind: N

Receiving Water Name: Laguna De Santa Rosa

Certifier: William Kelley

Certifier Title: General Manager

Certification Date: 25-JUN-15

Primary Sic: 3272-Concrete Products, Except Block and Brick

NPDES Number: CAS000001

Status: Active

Agency Number: 0

Region: 1

Regulatory Measure ID: 178842

Order Number: 97-03-DWQ

Regulatory Measure Type: Enrollee

WDID: 1 49I009740

Program Type: Industrial

Effective Date Of Regulatory Measure: 01/28/1993

Discharge Name: Selvage Concrete Products Inc

Discharge Address: 3309 Sebastopol Road

Discharge City: Santa Rosa

Discharge State: California

Discharge Zip: 95407

Name: SELVAGE CONCRETE PROD INC

Address: 3309 SEBASTOPOL RD

City,State,Zip: SANTA ROSA, CA 95407

Facility Status: Active

NPDES Number: CAS000001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SELVAGE CONCRETE PRODUCTS, INC (Continued)

U001609575

Region: 1
Agency Number: 0
Regulatory Measure ID: 178842
Order Number: 97-03-DWQ
WDID: 1 49I009740
Regulatory Measure Type: Enrollee
Program Type: Industrial
Effective Date Of Regulatory Measure: 01/28/1993
Discharge Address: 3309 Sebastopol Road
Discharge Name: Selvage Concrete Products Inc
Discharge City: Santa Rosa
Discharge State: California
Discharge Zip: 95407

NPDES as of 03/2018:

Region: 1
Regulatory Measure ID: 178842
Regulatory Measure Type: Industrial
WDID: 1 49I009740
Received Date: 05/09/2008
Processed Date: 01/28/1993
Status: Active
Status Date: 01/28/1993
Place Size: 274000
Place Size Unit: SqFt
Contact: William Kelley
Contact Title: General Manager
Contact Phone: 707-542-2762
Contact Email: office@selvageconcrete.com
Operator Name: Selvage Concrete Products Inc
Operator Address: 3309 Sebastopol Road
Operator City: Santa Rosa
Operator State: California
Operator Zip: 95407
Operator Contact: William Kelley
Operator Contact Title: General Manager
Operator Contact Phone: 707-542-2762
Operator Contact Email: office@selvageconcrete.com
Operator Type: Private Business
Developer State: California
Emergency Phone: 707-542-2762
Dir Discharge Uswater Ind: N
Receiving Water Name: Laguna De Santa Rosa
Certifier: William Kelley
Certifier Title: General Manager
Certification Date: 25-JUN-15
Primary Sic: 3272-Concrete Products, Except Block and Brick

NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 1
Regulatory Measure ID: 178842
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
WDID: 1 49I009740
Program Type: Industrial
Effective Date Of Regulatory Measure: 01/28/1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SELVAGE CONCRETE PRODUCTS, INC (Continued)

U001609575

Discharge Name: Selvage Concrete Products Inc
Discharge Address: 3309 Sebastopol Road
Discharge City: Santa Rosa
Discharge State: California
Discharge Zip: 95407

CERS:

Name: SELVAGE CONCRETE
Address: 3309 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 225591
CERS ID: T0609700018
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: REGIONAL WATER BOARD SITE CLOSED - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075762220

**I27
NW
1/8-1/4
0.225 mi.
1188 ft.**

**SELVAGE CONCRETE PROD INC
3309 SEBASTOPOL RD
SANTA ROSA, CA 95401**

**RCRA NonGen / NLR 1024786092
CAL000012683**

Site 2 of 8 in cluster I

**Relative:
Lower**

RCRA NonGen / NLR:

**Actual:
108 ft.**

Date form received by agency: 11/14/1989
Facility name: SELVAGE CONCRETE PROD INC
Facility address: 3309 SEBASTOPOL RD
SANTA ROSA, CA 95401-0000
EPA ID: CAL000012683
Contact: WILLIAM KELLEY
Contact address: 3309 SEBASTOPOL RD
SANTA ROSA, CA 95407
Contact telephone: 707-542-2762
Contact email: SELVAGECONCRETE@GMAIL.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: BILL BANTHRALL
Owner/operator address: 3309 SEBASTOPOL RD
SANTA ROSA, CA 95407
Owner/operator telephone: 707-542-2762
Legal status: Other
Owner/Operator Type: Owner

Owner/operator name: WILLIAM KELLEY
Owner/operator address: 3309 SEBASTOPOL RD
SANTA ROSA, CA 95407
Owner/operator telephone: 707-542-2762

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SELVAGE CONCRETE PROD INC (Continued)

1024786092

Legal status: Other
Owner/Operator Type: Operator

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

**I28
NW
1/8-1/4
0.225 mi.
1188 ft.**

**SELVAGE CONCRETE PRODUCTS
3309 SEBASTOPOL
SANTA ROSA, CA 95407**

Site 3 of 8 in cluster I

**LUST
CERS HAZ WASTE
SWEEPS UST
CA FID UST
CERS**

**S101627377
N/A**

**Relative:
Lower**

SONOMA CO. LUST:

**Actual:
108 ft.**

Name: SELVAGE CONCRETE PRODUCTS
Address: 3309 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA
Region: SONOMA
Regional Board: 1TSO025
Closed or Referred: Referred
Confirm Date: 06/10/1998
LOP Number: 00001383
Global ID: T0609700018
Notes: REFERRED

CERS HAZ WASTE:

Site ID: 152427
CERS ID: 10114024
CERS Description: Hazardous Waste Generator

Violations:

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 03/10/2015.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SELVAGE CONCRETE PRODUCTS (Continued)

S101627377

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 10/01/2014.
Violation Division: Santa Rosa City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 03/10/2015. No documented Hazardous Materials related training conducted.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 06-26-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 07/18/2017.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes: Returned to compliance on 03/10/2015.
Violation Division: Santa Rosa City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SELVAGE CONCRETE PRODUCTS (Continued)

S101627377

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 03/10/2015.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 03/10/2015. Last submittal in 2006.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 03/10/2015. Business activities and owner operator information need updating. Answer Yes to question 3 to confirm hazardous waste generator status.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment..
Violation Notes: Returned to compliance on 10/01/2014.
Violation Division: Santa Rosa City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014
Citation: HSC 6.5 25160.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25160.2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SELVAGE CONCRETE PRODUCTS (Continued)

S101627377

Violation Description: Failure to meet any of the following consolidated manifest requirements: 1) Legible receipts for each quantity of hazardous waste that is received from a generator, 2) The generator's information (name, address, identification number, contact person, telephone number of the generator, the signature of the generator or the generator's representative), 3) Date of the shipment, 4) The manifest number, 5) The volume or quantity of each waste stream received, 6) The name, address, and identification number of the authorized facility to which the hazardous waste will be transported, 7) The transporter's information (name, address, and identification number, the driver's signature), 8) A statement, signed by the generator, certifying that the generator has established a program to reduce the volume or quantity and toxicity of the hazardous waste to the degree economically practicable. 9) The generator shall retain each receipt for at least three years.

Violation Notes: Returned to compliance on 03/10/2015.

Violation Division: Santa Rosa City Fire Department

Violation Program: HW

Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection

Eval Date: 06-26-2017

Violations Found: No

Eval Type: Routine done by local agency

Eval Division: Santa Rosa City Fire Department

Eval Program: HW

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Eval Date: 06-26-2017

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Division: Santa Rosa City Fire Department

Eval Program: HMRRP

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Eval Date: 07-16-2014

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Division: Santa Rosa City Fire Department

Eval Program: HMRRP

Eval Source: CERS

Eval General Type: Other/Unknown

Eval Date: 07-18-2017

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Division: Santa Rosa City Fire Department

Eval Program: HMRRP

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Eval Date: 07-16-2014

Violations Found: Yes

Eval Type: Routine done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SELVAGE CONCRETE PRODUCTS (Continued)

S101627377

Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 152427
Facility Name: Selvage Concrete Products
Env Int Type Code: HWG
Program ID: 10114024
Ref Point Type Desc: Unknown
Latitude: 38.427357
Longitude: -122.755356

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Bill Banthral

Affiliation Type Desc: Parent Corporation
Entity Name: Selvage Concrete Products

Affiliation Type Desc: Property Owner
Entity Name: Bill Banthral
Affiliation Address: 3309 SEBASTOPOL ROAD
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (707) 542-2762

Affiliation Type Desc: Identification Signer
Entity Name: William Kelley
Entity Title: General Manager

Affiliation Type Desc: Legal Owner
Entity Name: Bill Banthral
Affiliation Address: 3309 Sebastopol Road
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (707) 542-2762

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Environmental Contact
Entity Name: Chris Frye
Affiliation Address: 820 Starr Rd
Affiliation City: Windsor
Affiliation State: CA
Affiliation Zip: 95492

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SELVAGE CONCRETE PRODUCTS (Continued)

S101627377

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 3309 Sebastopol Rd
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Operator
Entity Name: Selvage Concrete Products, Inc
Affiliation Phone: (707) 542-2762

SWEEPS UST:

Name: SELVAGE CONCRETE PRODUCTS
Address: 3309 SEBASTOPOL
City: SANTA ROSA
Status: Active
Comp Number: 1383
Number: 9
Referral Date: 03-31-89
Created Date: 03-31-89

CA FID UST:

Facility ID: 49000117
Regulated By: UTNKA
Facility Phone: 7075422762
Mailing Address: 3309 SEBASTOPOL
Mailing City,St,Zip: SANTA ROSA 95407
Status: Active

Facility ID: 49000117
Regulated By: UTNKA
Regulated ID: 00014843
Facility Phone: 7075422762
Mailing Address: 3309 SEBASTOPOL RD
Mailing City,St,Zip: SANTA ROSA 95407
Status: Active

CERS:

Name: SELVAGE CONCRETE PRODUCTS
Address: 3309 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 152427
CERS ID: 10114024
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 03/10/2015.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SELVAGE CONCRETE PRODUCTS (Continued)

S101627377

Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 10/01/2014.
Violation Division: Santa Rosa City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 03/10/2015. No documented Hazardous Materials related training conducted.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 06-26-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 07/18/2017.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes: Returned to compliance on 03/10/2015.
Violation Division: Santa Rosa City Fire Department
Violation Program: HW
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SELVAGE CONCRETE PRODUCTS (Continued)

S101627377

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 03/10/2015.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 03/10/2015. Last submittal in 2006.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 03/10/2015. Business activities and owner operator information need updating. Answer Yes to question 3 to confirm hazardous waste generator status.
Violation Division: Santa Rosa City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 152427
Site Name: Selvage Concrete Products
Violation Date: 07-16-2014
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment..
Violation Notes: Returned to compliance on 10/01/2014.
Violation Division: Santa Rosa City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 152427
Site Name: Selvage Concrete Products

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SELVAGE CONCRETE PRODUCTS (Continued)

S101627377

Violation Date: 07-16-2014
Citation: HSC 6.5 25160.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25160.2
Violation Description: Failure to meet any of the following consolidated manifest requirements: 1) Legible receipts for each quantity of hazardous waste that is received from a generator, 2) The generator's information (name, address, identification number, contact person, telephone number of the generator, the signature of the generator or the generator's representative), 3) Date of the shipment, 4) The manifest number, 5) The volume or quantity of each waste stream received, 6) The name, address, and identification number of the authorized facility to which the hazardous waste will be transported, 7) The transporter's information (name, address, and identification number, the driver's signature), 8) A statement, signed by the generator, certifying that the generator has established a program to reduce the volume or quantity and toxicity of the hazardous waste to the degree economically practicable. 9) The generator shall retain each receipt for at least three years.
Violation Notes: Returned to compliance on 03/10/2015.
Violation Division: Santa Rosa City Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-26-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-26-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-16-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-18-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SELVAGE CONCRETE PRODUCTS (Continued)

S101627377

Eval Date: 07-16-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:

Site ID: 152427
Facility Name: Selvage Concrete Products
Env Int Type Code: HWG
Program ID: 10114024
Ref Point Type Desc: Unknown
Latitude: 38.427357
Longitude: -122.755356

Affiliation:

Affiliation Type Desc: Document Preparer
Entity Name: Bill Banthral

Affiliation Type Desc: Parent Corporation
Entity Name: Selvage Concrete Products

Affiliation Type Desc: Property Owner
Entity Name: Bill Banthral
Affiliation Address: 3309 SEBASTOPOL ROAD
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (707) 542-2762

Affiliation Type Desc: Identification Signer
Entity Name: William Kelley
Entity Title: General Manager

Affiliation Type Desc: Legal Owner
Entity Name: Bill Banthral
Affiliation Address: 3309 Sebastopol Road
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (707) 542-2762

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Environmental Contact
Entity Name: Chris Frye
Affiliation Address: 820 Starr Rd

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SELVAGE CONCRETE PRODUCTS (Continued)

S101627377

Affiliation City: Windsor
Affiliation State: CA
Affiliation Zip: 95492

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 3309 Sebastopol Rd
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Operator
Entity Name: Selvage Concrete Products, Inc
Affiliation Phone: (707) 542-2762

I29
WNW
1/8-1/4
0.229 mi.
1208 ft.
SELVAGE CONCRETE
SEBASTOPOL ROAD 3309
SANTA ROSA, CA
Site 4 of 8 in cluster I

LUST **S104163221**
N/A

Relative: LUST REG 1:
Lower Region: 1
Actual: Facility ID: 1TSO025
107 ft. Staff Initials: JEF

I30
WNW
1/8-1/4
0.236 mi.
1245 ft.
PACIFIC BELL
3260 SEBASTOPOL
SANTA ROSA, CA 95407
Site 5 of 8 in cluster I

SWEEPS UST **S101595385**
CA FID UST **N/A**

Relative: SWEEPS UST:
Lower Name: PACIFIC BELL
Actual: Address: 3260 SEBASTOPOL
107 ft. City: SANTA ROSA
Status: Active
Comp Number: 2677
Number: 1
Board Of Equalization: 44-001027
Referral Date: 09-10-91
Action Date: 09-10-91
Created Date: 03-31-89
Owner Tank Id: 280
SWRCB Tank Id: 49-000-002677-000001
Tank Status: A
Capacity: 8000
Active Date: 09-10-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 4

Name: PACIFIC BELL
Address: 3260 SEBASTOPOL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC BELL (Continued)

S101595385

City: SANTA ROSA
Status: Active
Comp Number: 2677
Number: 1
Board Of Equalization: 44-001027
Referral Date: 09-10-91
Action Date: 09-10-91
Created Date: 03-31-89
Owner Tank Id: 278
SWRCB Tank Id: 49-000-002677-000002
Tank Status: A
Capacity: 12000
Active Date: 09-10-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED

Name: PACIFIC BELL
Address: 3260 SEBASTOPOL
City: SANTA ROSA
Status: Active
Comp Number: 2677
Number: 1
Board Of Equalization: 44-001027
Referral Date: 09-10-91
Action Date: 09-10-91
Created Date: 03-31-89
Owner Tank Id: 279
SWRCB Tank Id: 49-000-002677-000003
Tank Status: A
Capacity: 12000
Active Date: 09-10-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED

Name: PACIFIC BELL
Address: 3260 SEBASTOPOL
City: SANTA ROSA
Status: Active
Comp Number: 2677
Number: 1
Board Of Equalization: 44-001027
Referral Date: 09-10-91
Action Date: 09-10-91
Created Date: 03-31-89
Owner Tank Id: 867
SWRCB Tank Id: 49-000-002677-000004
Tank Status: A
Capacity: 235
Active Date: 09-10-91
Tank Use: OIL
STG: W
Content: WASTE OIL

CA FID UST:
Facility ID: 49001221

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC BELL (Continued)

S101595385

Regulated By: UTNKA
Facility Phone: 7075752224
Mailing Address: 1445 VAN NESS
Mailing City,St,Zip: SANTA ROSA 95407
Status: Active

**I31
WNW
1/8-1/4
0.236 mi.
1245 ft.**

**AT&T CALIFORNIA - TD409
3260 SEBASTOPOL ROAD
SANTA ROSA, CA 95407**

**CERS HAZ WASTE
CERS TANKS
CERS**

**S121782020
N/A**

Site 6 of 8 in cluster I

**Relative:
Lower**

CERS HAZ WASTE:

Site ID: 425014
CERS ID: 10113112
CERS Description: Hazardous Waste Generator

**Actual:
107 ft.**

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-11-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Zip: 75202

Affiliation Type Desc: Operator
Entity Name: AT&T California
Affiliation Phone: (415) 499-4848

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T CALIFORNIA - TD409 (Continued)

S121782020

Affiliation State: CA
Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Environmental Contact
Entity Name: Charles Rosso
Affiliation Address: 7 Professional Center, Room 104
Affiliation City: San Rafael
Affiliation State: CA
Affiliation Zip: 94903

Affiliation Type Desc: Identification Signer
Entity Name: Jeremy McGrue
Entity Title: National EPCRA Manager

Affiliation Type Desc: Legal Owner
Entity Name: Pacific Bell Telephone Company dba AT&T California
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75202
Affiliation Phone: (214) 464-1712

Affiliation Type Desc: Document Preparer
Entity Name: Peter Burnell, Sigma Consultants, Inc.

Affiliation Type Desc: Parent Corporation
Entity Name: Pacific Bell Telephone Company dba AT&T California

CERS TANKS:

Name: AT&T CALIFORNIA - TD409
Address: 3260 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 425014
CERS ID: 10113112
CERS Description: Aboveground Petroleum Storage

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-11-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T CALIFORNIA - TD409 (Continued)

S121782020

Eval Date: 02-11-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Zip: 75202

Affiliation Type Desc: Operator
Entity Name: AT&T California
Affiliation Phone: (415) 499-4848

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Environmental Contact
Entity Name: Charles Rosso
Affiliation Address: 7 Professional Center, Room 104
Affiliation City: San Rafael
Affiliation State: CA
Affiliation Zip: 94903

Affiliation Type Desc: Identification Signer
Entity Name: Jeremy McGrue
Entity Title: National EPCRA Manager

Affiliation Type Desc: Legal Owner
Entity Name: Pacific Bell Telephone Company dba AT&T California
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75202
Affiliation Phone: (214) 464-1712

Affiliation Type Desc: Document Preparer
Entity Name: Peter Burnell, Sigma Consultants, Inc.

Affiliation Type Desc: Parent Corporation
Entity Name: Pacific Bell Telephone Company dba AT&T California

CERS:

Name: AT&T CALIFORNIA - TD409

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T CALIFORNIA - TD409 (Continued)

S121782020

Address: 3260 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 425014
CERS ID: 10113112
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-11-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Santa Rosa City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Zip: 75202

Affiliation Type Desc: Operator
Entity Name: AT&T California
Affiliation Phone: (415) 499-4848

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Environmental Contact
Entity Name: Charles Rosso
Affiliation Address: 7 Professional Center, Room 104
Affiliation City: San Rafael
Affiliation State: CA
Affiliation Zip: 94903

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T CALIFORNIA - TD409 (Continued)

S121782020

Affiliation Type Desc:	Identification Signer
Entity Name:	Jeremy McGrue
Entity Title:	National EPCRA Manager
Affiliation Type Desc:	Legal Owner
Entity Name:	Pacific Bell Telephone Company dba AT&T California
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75202
Affiliation Phone:	(214) 464-1712
Affiliation Type Desc:	Document Preparer
Entity Name:	Peter Burnell, Sigma Consultants, Inc.
Affiliation Type Desc:	Parent Corporation
Entity Name:	Pacific Bell Telephone Company dba AT&T California

I32
WNW
1/8-1/4
0.236 mi.
1245 ft.

PACIFIC BELL
3260 SEBASTOPOL ROAD
SANTA ROSA, CA 95407

Site 7 of 8 in cluster I

UST U003783106
EMI N/A
CERS

Relative:
Lower

UST:
Name: PACIFIC BELL
Address: 3260 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Facility ID: 49-060-031914
Permitting Agency: SANTA ROSA, CITY OF
Latitude: 38.42572
Longitude: -122.75613

Actual:
107 ft.

EMI:
Name: PACIFIC BELL
Address: 3260 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95401
Year: 1987
County Code: 49
Air Basin: SF
Facility ID: 2464
Air District Name: BA
SIC Code: 4811
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: PACIFIC BELL
Address: 3260 SEBASTOPOL ROAD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC BELL (Continued)

U003783106

City,State,Zip: SANTA ROSA, CA 95401
Year: 1990
County Code: 49
Air Basin: SF
Facility ID: 2464
Air District Name: BA
SIC Code: 4813
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: PACIFIC BELL
Address: 3260 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Year: 2008
County Code: 49
Air Basin: SF
Facility ID: 2464
Air District Name: BA
SIC Code: 4813
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: .084
Reactive Organic Gases Tons/Yr: .0336
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: PACIFIC BELL
Address: 3260 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Year: 2009
County Code: 49
Air Basin: SF
Facility ID: 2464
Air District Name: BA
SIC Code: 4813
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 8.4000000000000005E-2
Reactive Organic Gases Tons/Yr: 3.3599999999999998E-2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: PACIFIC BELL
Address: 3260 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Year: 2010
County Code: 49

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC BELL (Continued)

U003783106

Air Basin: SF
Facility ID: 2464
Air District Name: BA
SIC Code: 4813
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 8.400000000000005E-2
Reactive Organic Gases Tons/Yr: 3.359999999999998E-2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

CERS:

Name: PACIFIC BELL
Address: 3260 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407-6739
Site ID: 485094
CERS ID: 110001176753
CERS Description: US EPA Air Emission Inventory System (EIS)

I33
WNW
1/8-1/4
0.236 mi.
1245 ft.

AT&T CALIFORNIA - TD409
3260 SEBASTOPOL ROAD
SANTA ROSA, CA 95407

Site 8 of 8 in cluster I

RCRA-SQG 1000250728
LUST CAD982357212
SWEEPS UST
FINDS
HIST CORTESE
CERS

Relative:
Lower

Actual:
107 ft.

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: PACIFIC BELL C/O ALLEN TD409
Facility address: 3260 SEBASTOPOL RD
SANTA ROSA, CA 95403
EPA ID: CAD982357212
Mailing address: 2600 CAMINO RAMON RM 2E050
SAN RAMON, CA 94583
Contact country: US
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator telephone: 415-555-1212
Legal status: Private
Owner/Operator Type: Operator

Owner/operator name: PACIFIC BELL
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator telephone: 415-555-1212

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T CALIFORNIA - TD409 (Continued)

1000250728

Legal status: Private
Owner/Operator Type: Owner

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 10/27/1987
Site name: PACIFIC BELL C/O ALLEN TD409
Classification: Large Quantity Generator

Violation Status: No violations found

LUST:

Name: PACIFIC BELL (SANTA ROSA FACILITY)
Address: 3260 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95401
Lead Agency: NORTH COAST RWQCB (REGION 1)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609750767
Global Id: T0609750767
Latitude: 38.425238871
Longitude: -122.753670388
Status: Completed - Case Closed
Status Date: 12/22/2005
Case Worker: ZZZ
RB Case Number: 1TSR410
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline

LUST:

Global Id: T0609750767
Contact Type: Regional Board Caseworker
Contact Name: REGIONAL WATER BOARD SITE CLOSED
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: craig.hunt@waterboards.ca.gov
Phone Number: 7075762220

LUST:

Global Id: T0609750767

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T CALIFORNIA - TD409 (Continued)

1000250728

Action Type:	ENFORCEMENT
Date:	08/26/2003
Action:	* No Action
Global Id:	T0609750767
Action Type:	ENFORCEMENT
Date:	09/05/2003
Action:	Staff Letter
Global Id:	T0609750767
Action Type:	ENFORCEMENT
Date:	01/10/2005
Action:	Staff Letter
Global Id:	T0609750767
Action Type:	RESPONSE
Date:	11/05/2003
Action:	Other Workplan
Global Id:	T0609750767
Action Type:	RESPONSE
Date:	06/17/2003
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0609750767
Action Type:	ENFORCEMENT
Date:	12/22/2005
Action:	Closure/No Further Action Letter
Global Id:	T0609750767
Action Type:	ENFORCEMENT
Date:	07/11/2005
Action:	Notification - Public Notice of Case Closure
Global Id:	T0609750767
Action Type:	ENFORCEMENT
Date:	09/09/2005
Action:	Staff Letter
Global Id:	T0609750767
Action Type:	Other
Date:	03/11/2003
Action:	Leak Discovery
Global Id:	T0609750767
Action Type:	Other
Date:	03/11/2003
Action:	Leak Stopped
Global Id:	T0609750767
Action Type:	REMEDIATION
Date:	03/03/2003
Action:	Excavation
Global Id:	T0609750767
Action Type:	ENFORCEMENT
Date:	11/20/2003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T CALIFORNIA - TD409 (Continued)

1000250728

Action: Staff Letter

Global Id: T0609750767
Action Type: Other
Date: 06/17/2003
Action: Leak Reported

LUST:
Global Id: T0609750767
Status: Open - Case Begin Date
Status Date: 03/11/2003

Global Id: T0609750767
Status: Open - Site Assessment
Status Date: 06/17/2003

Global Id: T0609750767
Status: Completed - Case Closed
Status Date: 12/22/2005

Name: PACIFIC BELL (SANTA ROSA FACILITY)
Address: 3260 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95401
Lead Agency: NORTH COAST RWQCB (REGION 1)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700663
Global Id: T0609700663
Latitude: 38.4257578
Longitude: -122.7550355
Status: Completed - Case Closed
Status Date: 05/27/1997
Case Worker: ZZZ
RB Case Number: 1TSR174
Local Agency: SANTA ROSA, CITY OF
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline

LUST:
Global Id: T0609700663
Contact Type: Local Agency Caseworker
Contact Name: LOCAL PERMIT WORKER SANTA ROSA
Organization Name: SANTA ROSA, CITY OF
Address: 625 5th Street
City: SANTA ROSA
Phone Number: 7075433500

Global Id: T0609700663
Contact Type: Regional Board Caseworker
Contact Name: REGIONAL WATER BOARD SITE CLOSED
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: craig.hunt@waterboards.ca.gov
Phone Number: 7075762220

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T CALIFORNIA - TD409 (Continued)

1000250728

LUST:

Global Id: T0609700663
Action Type: RESPONSE
Date: 07/17/2003
Action: Tank Removal Report / UST Sampling Report

Global Id: T0609700663
Action Type: Other
Date: 07/11/1995
Action: Leak Discovery

Global Id: T0609700663
Action Type: Other
Date: 07/11/1995
Action: Leak Stopped

Global Id: T0609700663
Action Type: ENFORCEMENT
Date: 01/18/1991
Action: * Historical Enforcement

Global Id: T0609700663
Action Type: Other
Date: 07/11/1995
Action: Leak Reported

LUST:

Global Id: T0609700663
Status: Open - Case Begin Date
Status Date: 01/18/1991

Global Id: T0609700663
Status: Open - Site Assessment
Status Date: 07/19/1995

Global Id: T0609700663
Status: Open - Site Assessment
Status Date: 11/14/1995

Global Id: T0609700663
Status: Open - Site Assessment
Status Date: 12/20/1995

Global Id: T0609700663
Status: Open - Remediation
Status Date: 04/05/1996

Global Id: T0609700663
Status: Open - Site Assessment
Status Date: 04/05/1996

Global Id: T0609700663
Status: Open - Verification Monitoring
Status Date: 04/05/1996

Global Id: T0609700663

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T CALIFORNIA - TD409 (Continued)

1000250728

Status: Completed - Case Closed
Status Date: 05/27/1997

LUST REG 1:

Region: 1
Facility ID: 1TSR174
Staff Initials: Closed

SWEEPS UST:

Name: PACIFIC BELL
Address: 3260 SEBASTOPOL RD
City: SANTA ROSA
Status: Active
Comp Number: 210
Number: 1
Board Of Equalization: 44-031914
Referral Date: 02-10-94
Action Date: 06-24-94
Created Date: 06-24-94
Owner Tank Id: 278
SWRCB Tank Id: 49-060-000210-000001
Tank Status: A
Capacity: 12000
Active Date: 02-10-94
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Name: PACIFIC BELL
Address: 3260 SEBASTOPOL RD
City: SANTA ROSA
Status: Active
Comp Number: 210
Number: 1
Board Of Equalization: 44-031914
Referral Date: 02-10-94
Action Date: 06-24-94
Created Date: 06-24-94
Owner Tank Id: 279
SWRCB Tank Id: 49-060-000210-000002
Tank Status: A
Capacity: 12000
Active Date: 02-10-94
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED

Name: PACIFIC BELL
Address: 3260 SEBASTOPOL RD
City: SANTA ROSA
Status: Active
Comp Number: 210
Number: 1
Board Of Equalization: 44-031914

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T CALIFORNIA - TD409 (Continued)

1000250728

Referral Date: 02-10-94
Action Date: 06-24-94
Created Date: 06-24-94
Owner Tank Id: 280
SWRCB Tank Id: 49-060-000210-000003
Tank Status: A
Capacity: 8000
Active Date: 02-10-94
Tank Use: M.V. FUEL
STG: P
Content: DIESEL

FINDS:

Registry ID: 110055878527

Environmental Interest/Information System
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

HIST CORTESE:

edr_fname: PACIFIC BELL (SANTA ROSA
edr_fadd1: 3260 SEBASTOPOL
City,State,Zip: SANTA ROSA, CA 95407
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSR174

edr_fname: FORMER FREEDOM CAVE
edr_fadd1: 3260 SEBASTOPOL
City,State,Zip: SANTA ROSA, CA 95407
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 2464

CERS:

Name: PACIFIC BELL (SANTA ROSA FACILITY)
Address: 3260 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95401
Site ID: 199265
CERS ID: T0609750767
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: LOCAL PERMIT WORKER SANTA ROSA - SANTA ROSA, CITY OF
Affiliation Address: 625 5th Street
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075433500

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T CALIFORNIA - TD409 (Continued)

1000250728

Affiliation Type Desc: Regional Board Caseworker
Entity Name: REGIONAL WATER BOARD SITE CLOSED - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075762220

Name: PACIFIC BELL (SANTA ROSA FACILITY)
Address: 3260 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95401
Site ID: 199265
CERS ID: T0609700663
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: LOCAL PERMIT WORKER SANTA ROSA - SANTA ROSA, CITY OF
Affiliation Address: 625 5th Street
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075433500

Affiliation Type Desc: Regional Board Caseworker
Entity Name: REGIONAL WATER BOARD SITE CLOSED - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075762220

**34
NE
1/8-1/4
0.247 mi.
1302 ft.**

**LAWRENCE COOK MIDDLE SCHOOL
2480 SEBASTOPOL ROAD
SANTA ROSA, CA 95407**

**RCRA-SQG 1000395370
FINDS CAD982001893
ECHO**

**Relative:
Higher**

RCRA-SQG:

**Actual:
119 ft.**

Date form received by agency: 06/15/1987
Facility name: SANTA ROSA SD LAWRENCE COOK JR HIGH
Facility address: 2480 SEBASTOPOL RD
SANTA ROSA, CA 95407
EPA ID: CAD982001893
Contact: ENVIRONMENTAL MANAGER
Contact address: 2480 SEBASTOPOL RD
SANTA ROSA, CA 95407
Contact country: US
Contact telephone: 707-528-5157
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: SANTA ROSA HSD LAWRENCE JR HIGH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAWRENCE COOK MIDDLE SCHOOL (Continued)

1000395370

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator telephone: 415-555-1212
Legal status: District
Owner/Operator Type: Owner

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator telephone: 415-555-1212
Legal status: District
Owner/Operator Type: Operator

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002772795

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110055689465

Environmental Interest/Information System
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000395370
Registry ID: 110002772795
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002772795>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J35
NNE
1/8-1/4
0.248 mi.
1312 ft.

SANTA ROSA COMMUNITY HEALTH CENTER
751 LOMBARDI CT STE B
SANTA ROSA, CA 95407

RCRA NonGen / NLR

1024853051
CAL000412451

Site 1 of 4 in cluster J

Relative:
Higher

RCRA NonGen / NLR:

Actual:
117 ft.

Date form received by agency: 11/18/2015
Facility name: SANTA ROSA COMMUNITY HEALTH CENTER
Facility address: 751 LOMBARDI CT STE B
SANTA ROSA, CA 95407
EPA ID: CAL000412451
Mailing address: 3569 ROUND BARN CIR
SANTA ROSA, CA 95403-5781
Contact: STEPHEN BOYER
Contact address: 3569 ROUND BARN CIR
SANTA ROSA, CA 95403
Contact telephone: 707-303-3093
Contact email: STEPHENB@SRHEALTHCENTERS.ORG
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: STEPHEN BOYER
Owner/operator address: 3569 ROUND BARN CIR
SANTA ROSA, CA 95403
Owner/operator telephone: 707-303-3093
Legal status: Other
Owner/Operator Type: Operator

Owner/operator name: NAOMI FUCHS
Owner/operator address: 3569 ROUND BARN CIR
SANTA ROSA, CA 95403
Owner/operator telephone: 707-303-3091
Legal status: Other
Owner/Operator Type: Owner

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J36
NNE
1/8-1/4
0.248 mi.
1312 ft.

LOMBARDI ROSA PHARMACY
751 LOMBARDI CT STE 100
SANTA ROSA, CA 95407

RCRA NonGen / NLR

1024865842
CAL000434423

Site 2 of 4 in cluster J

Relative:
Higher

RCRA NonGen / NLR:

Actual:
117 ft.

Date form received by agency: 03/20/2018
Facility name: LOMBARDI ROSA PHARMACY
Facility address: 751 LOMBARDI CT STE 100
SANTA ROSA, CA 95407
EPA ID: CAL000434423
Mailing address: 1330 ENCLAVE PKWY
HOUSTON, TX 77077
Contact: BRITTANY NORTNO
Contact address: 751 LOMBARDI CT STE 100
SANTA ROSA, CA 95407
Contact telephone: 707-583-8770
Contact email: BRITTANY.NORTON@CARIDNALHEALTH.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: MARIN APOTHECARIES INC
Owner/operator address: 1330 ENCLAVE PKWY
HOUSTON, TX 77077
Owner/operator telephone: 281-749-4000
Legal status: Other
Owner/Operator Type: Owner

Owner/operator name: BRITTANY NORTNO
Owner/operator address: 751 LOMBARDI CT STE 100
SANTA ROSA, CA 95407
Owner/operator telephone: 707-583-8770
Legal status: Other
Owner/Operator Type: Operator

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J37
NNE
1/8-1/4
0.248 mi.
1312 ft.

ST. JOSEPH DENTAL CLINIC
751 LOMBARDI CT
SANTA ROSA, CA 95407

RCRA NonGen / NLR

1024796295
CAL000174510

Relative:
Higher

RCRA NonGen / NLR:

Actual:
117 ft.

Date form received by agency: 02/08/1996
Facility name: ST. JOSEPH DENTAL CLINIC
Facility address: 751 LOMBARDI CT
SANTA ROSA, CA 95407-6793
EPA ID: CAL000174510
Mailing address: 1165 MONTGOMERY DR
SANTA ROSA, CA 95405-4801
Contact: RUSS SEYMOUR/DIR OF ENVTL SERV
Contact address: 1165 MONTGOMERY DR
SANTA ROSA, CA 95405
Contact telephone: 707-217-4987
Contact email: RUSSELL.SEYMOUR@STJOE.ORG
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: SANTA ROSA MEMORIAL HOSPITAL
Owner/operator address: 1165 MONTGOMERY DR
SANTA ROSA, CA 95405
Owner/operator telephone: 707-525-5300
Legal status: Other
Owner/Operator Type: Owner

Owner/operator name: RUSS SEYMOUR/DIR OF ENVTL SERV
Owner/operator address: 1165 MONTGOMERY DR
SANTA ROSA, CA 95405
Owner/operator telephone: 707-217-4987
Legal status: Other
Owner/Operator Type: Operator

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

J38
NNE
1/8-1/4
0.248 mi.
1312 ft.

NOR CAL SCREENPRINTING
751 LOMBARDI CT
SANTA ROSA, CA 95407

Site 4 of 4 in cluster J

RCRA-SQG
FINDS
ECHO
HAZNET

1000594519
CAD983583527

Relative:
Higher

RCRA-SQG:

Actual:
117 ft.

Date form received by agency: 06/06/1991
Facility name: NOR CAL SCREENPRINTING
Facility address: 751 LOMBARDI CT
SANTA ROSA, CA 95407
EPA ID: CAD983583527
Contact: GREGORY SCHNEIDER
Contact address: 751 LOMBARDI CT
SANTA ROSA, CA 95407
Contact country: US
Contact telephone: 707-575-1340
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RALPH KEEHN
Owner/operator address: 1475 ABRAMSON RD
SANTA ROSA, CA 95401
Owner/operator telephone: 707-575-1341
Legal status: Private
Owner/Operator Type: Owner

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002845244

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOR CAL SCREENPRINTING (Continued)

1000594519

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000594519
Registry ID: 110002845244
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002845244>

HAZNET:

Name: NOR CAL SCREENPRINTING
Address: 751 LOMBARDI CT
City,State,Zip: SANTA ROSA, CA 954070000
Year: 1996
GEPaid: CAD983583527
Contact: UNDELIVERABLE SURVEY 2-1-95 LC
Telephone: --
Mailing Address: 751 LOMBARDI CT
Mailing City,St,Zip: SANTA ROSA, CA 954070000
Gen County: Sonoma
TSD EPA ID: CAL000121946
TSD County: Marin
Tons: 0.2502
CA Waste Code: 541-Photochemicals/photoprocessing waste
Method: R01-Recycler
Facility County: Sonoma

Name: NOR CAL SCREENPRINTING
Address: 751 LOMBARDI CT
City,State,Zip: SANTA ROSA, CA 954070000
Year: 1994
GEPaid: CAD983583527
Contact: UNDELIVERABLE SURVEY 2-1-95 LC
Telephone: --
Mailing Address: 751 LOMBARDI CT
Mailing City,St,Zip: SANTA ROSA, CA 954070000
Gen County: Sonoma
TSD EPA ID: CAD981161367
TSD County: Marin
Tons: 0.6254
CA Waste Code: 541-Photochemicals/photoprocessing waste
Method: R01-Recycler
Facility County: Sonoma

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

39
WNW
1/4-1/2
0.267 mi.
1410 ft.

SANTA ROSA FIRE EQUIPMENT
3445 SEBASTOPOL ROAD
SANTA ROSA, CA 95407

CPS-SLIC
CERS

S108418414
N/A

Relative:
Lower

CPS-SLIC:

Actual:
106 ft.

Name: SANTA ROSA FIRE EQUIPMENT
Address: 3445 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 10/22/2013
Global Id: SL0609741772
Lead Agency: NORTH COAST RWQCB (REGION 1)
Latitude: 38.4259538303165
Longitude: -122.756504416465
Case Type: Cleanup Program Site
RB Case Number: 1NSR437
File Location: Regional Board
Potential Media Affected: Well used for drinking water supply
Potential Contaminants of Concern: Freon, * Solvents

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

CERS:

Name: SANTA ROSA FIRE EQUIPMENT
Address: 3445 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 219864
CERS ID: SL0609741772
CERS Description: Cleanup Program Site

40
NW
1/4-1/2
0.319 mi.
1686 ft.

GEM JAK ENTERPRISES
3323 SEBASTOPOL
SANTA ROSA, CA 95407

LUST
HIST CORTESE
CERS

S103285760
N/A

Relative:
Lower

LUST:

Actual:
107 ft.

Name: GEM JAK ENTERPRISES
Address: 3323 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Lead Agency: NORTH COAST RWQCB (REGION 1)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700756
Global Id: T0609700756
Latitude: 38.4259874507047
Longitude: -122.755989432335
Status: Completed - Case Closed
Status Date: 06/18/2015
Case Worker: ZZZ
RB Case Number: 1TSR335
Local Agency: SANTA ROSA, CITY OF
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel, Gasoline, Benzene, Toluene, Waste Oil / Motor / Hydraulic / Lubricating, Xylene

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEM JAK ENTERPRISES (Continued)

S103285760

LUST:

Global Id: T0609700756
Contact Type: Regional Board Caseworker
Contact Name: CLOSED BY SWRCB
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, STE A
City: SANTA ROSA
Email: craig.hunt@waterboards.ca.gov

Global Id: T0609700756
Contact Type: Local Agency Caseworker
Contact Name: LOCAL PERMIT WORKER SANTA ROSA
Organization Name: SANTA ROSA, CITY OF
Address: 625 5th Street
City: SANTA ROSA
Phone Number: 7075433500

LUST:

Global Id: T0609700756
Action Type: ENFORCEMENT
Date: 07/01/2009
Action: Staff Letter

Global Id: T0609700756
Action Type: ENFORCEMENT
Date: 04/01/2014
Action: Clean Up Fund - Letter to RP

Global Id: T0609700756
Action Type: ENFORCEMENT
Date: 04/01/2014
Action: State Water Board Closure Order

Global Id: T0609700756
Action Type: ENFORCEMENT
Date: 04/01/2014
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0609700756
Action Type: RESPONSE
Date: 07/14/2009
Action: Well Installation Workplan

Global Id: T0609700756
Action Type: RESPONSE
Date: 03/10/2020
Action: Monitoring Report - Semi-Annually

Global Id: T0609700756
Action Type: ENFORCEMENT
Date: 08/16/2002
Action: Staff Letter

Global Id: T0609700756
Action Type: ENFORCEMENT
Date: 05/26/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEM JAK ENTERPRISES (Continued)

S103285760

Action:	Technical Correspondence / Assistance / Other
Global Id:	T0609700756
Action Type:	ENFORCEMENT
Date:	09/14/2012
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0609700756
Action Type:	ENFORCEMENT
Date:	03/16/2010
Action:	Meeting
Global Id:	T0609700756
Action Type:	ENFORCEMENT
Date:	04/01/2014
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0609700756
Action Type:	ENFORCEMENT
Date:	04/01/2014
Action:	Notification - Preclosure
Global Id:	T0609700756
Action Type:	RESPONSE
Date:	07/31/2002
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0609700756
Action Type:	ENFORCEMENT
Date:	05/18/2004
Action:	Notice of Responsibility
Global Id:	T0609700756
Action Type:	ENFORCEMENT
Date:	12/02/2004
Action:	Staff Letter
Global Id:	T0609700756
Action Type:	ENFORCEMENT
Date:	01/21/2015
Action:	State Water Board Closure Order
Global Id:	T0609700756
Action Type:	ENFORCEMENT
Date:	06/11/2015
Action:	Closure/No Further Action Letter
Global Id:	T0609700756
Action Type:	Other
Date:	04/01/1998
Action:	Leak Discovery
Global Id:	T0609700756
Action Type:	RESPONSE
Date:	12/15/2004
Action:	Other Report / Document

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEM JAK ENTERPRISES (Continued)

S103285760

Global Id:	T0609700756
Action Type:	Other
Date:	04/01/1998
Action:	Leak Stopped
Global Id:	T0609700756
Action Type:	RESPONSE
Date:	02/02/2015
Action:	Well Destruction Workplan - Regulator Responded
Global Id:	T0609700756
Action Type:	REMEDIATION
Date:	04/05/2000
Action:	Excavation
Global Id:	T0609700756
Action Type:	ENFORCEMENT
Date:	01/25/2012
Action:	File review
Global Id:	T0609700756
Action Type:	Other
Date:	04/01/1998
Action:	Leak Reported
Global Id:	T0609700756
Action Type:	ENFORCEMENT
Date:	09/19/2008
Action:	Staff Letter
Global Id:	T0609700756
Action Type:	RESPONSE
Date:	01/10/2007
Action:	Monitoring Report - Quarterly

LUST:

Global Id:	T0609700756
Status:	Open - Case Begin Date
Status Date:	04/01/1998
Global Id:	T0609700756
Status:	Open - Site Assessment
Status Date:	04/23/1998
Global Id:	T0609700756
Status:	Open - Site Assessment
Status Date:	09/09/1998
Global Id:	T0609700756
Status:	Open - Site Assessment
Status Date:	04/09/1999
Global Id:	T0609700756
Status:	Open - Site Assessment
Status Date:	04/20/2000
Global Id:	T0609700756

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEM JAK ENTERPRISES (Continued)

S103285760

Status: Open - Site Assessment
Status Date: 08/06/2001

Global Id: T0609700756
Status: Open - Remediation
Status Date: 05/14/2002

Global Id: T0609700756
Status: Open - Remediation
Status Date: 02/17/2004

Global Id: T0609700756
Status: Open - Remediation
Status Date: 05/15/2009

Global Id: T0609700756
Status: Open - Verification Monitoring
Status Date: 05/15/2009

Global Id: T0609700756
Status: Open - Eligible for Closure
Status Date: 08/12/2013

Global Id: T0609700756
Status: Completed - Case Closed
Status Date: 06/18/2015

LUST REG 1:

Region: 1
Facility ID: 1TSR335
Staff Initials: JEF

HIST CORTESE:

edr_fname: GEM JAK ENTERPRISES
edr_fadd1: 3323 SEBASTOPOL
City,State,Zip: SANTA ROSA, CA 95407
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSR335

CERS:

Name: GEM JAK ENTERPRISES
Address: 3323 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 225491
CERS ID: T0609700756
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: CLOSED BY SWRCB - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, STE A
Affiliation City: SANTA ROSA
Affiliation State: CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEM JAK ENTERPRISES (Continued)

S103285760

Affiliation Type Desc: Local Agency Caseworker
Entity Name: LOCAL PERMIT WORKER SANTA ROSA - SANTA ROSA, CITY OF
Affiliation Address: 625 5th Street
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075433500

41
SSW
1/4-1/2
0.330 mi.
1744 ft.

NORTH POINT RESEARCH CENTER
1375 CORPORATE CENTER PARKWAY
SANTA ROSA, CA 95407

CPS-SLIC **S105051077**
CERS **N/A**

Relative:
Lower

CPS-SLIC:
Name: NORTH POINT RESEARCH CENTER
Address: 1375 CORPORATE CENTER PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 10/19/1992
Global Id: T0609793156
Lead Agency: NORTH COAST RWQCB (REGION 1)
Latitude: 38.417337
Longitude: -122.754745
Case Type: Cleanup Program Site
Case Worker: ZZZ
Local Agency: SANTA ROSA, CITY OF
RB Case Number: 1NSR204
File Location: Regional Board
Potential Media Affected: Soil
Potential Contaminants of Concern: Gasoline

Actual:
105 ft.

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

SLIC REG 1:

Region: 1
Facility ID: 1NSR204
Staff Initials: Facility Closed

CERS:

Name: NORTH POINT RESEARCH CENTER
Address: 1375 CORPORATE CENTER PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 249704
CERS ID: T0609793156
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: REGIONAL WATER BOARD SITE CLOSED - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075762220

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH POINT RESEARCH CENTER (Continued)

S105051077

Affiliation Type Desc: Local Agency Caseworker
Entity Name: LOCAL PERMIT WORKER SANTA ROSA - SANTA ROSA, CITY OF
Affiliation Address: 625 5th Street
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075433500

42
WNW
1/4-1/2
0.372 mi.
1965 ft.

SMITH VILLAGE
3655 SEBASTOPOL ROAD
SANTA ROSA, CA 95407

CPS-SLIC **S107473175**
CERS **N/A**

Relative:
Lower
Actual:
104 ft.

CPS-SLIC:
Name: SMITH VILLAGE
Address: 3655 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 09/13/2005
Global Id: SL0609782444
Lead Agency: NORTH COAST RWQCB (REGION 1)
Latitude: 38.4256274
Longitude: -122.7585087
Case Type: Cleanup Program Site
Case Worker: ZZZ
RB Case Number: 1NSR416
Potential Media Affected: Soil
Potential Contaminants of Concern: * Solvents

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

CERS:
Name: SMITH VILLAGE
Address: 3655 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 251511
CERS ID: SL0609782444
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: REGIONAL WATER BOARD SITE CLOSED - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075762220

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

43
SE
1/4-1/2
0.372 mi.
1966 ft.

ANGIE KENDALL
2611 GIFFEN AVENUE
SANTA ROSA, CA 93582

Notify 65
S100179177
N/A

Relative:
Higher

NOTIFY 65:

Actual:
112 ft.

44
ENE
1/4-1/2
0.390 mi.
2060 ft.

STEINOCHER, DANIEL G & LI
969 KENMORE
SANTA ROSA, CA 95407

HIST CORTESE
S105026503
N/A

Relative:
Higher

HIST CORTESE:

Actual:
122 ft.

edr_fname: STEINOCHER, DANIEL G & LI
edr_fadd1: 969 KENMORE
City,State,Zip: SANTA ROSA, CA 95407
Region: CORTESE
Facility County Code: 18
Reg By: WBC&D
Reg Id: 6A189104N06

edr_fname: STEINOCHER, DANIEL G & LI
edr_fadd1: 969 KENMORE
City,State,Zip: SANTA ROSA, CA 95407
Region: CORTESE
Facility County Code: 18
Reg By: WBC&D
Reg Id: 6A189104N07

45
ENE
1/4-1/2
0.406 mi.
2144 ft.

SANTA ROSA VALUE CENTER
2025 SEBASTOPOL ROAD
SANTA ROSA, CA 95407

CPS-SLIC
CERS
S118172380
N/A

Relative:
Higher

CPS-SLIC:

Actual:
124 ft.

Name: SANTA ROSA VALUE CENTER
Address: 2025 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 07/20/1999
Global Id: T0609793435
Lead Agency: NORTH COAST RWQCB (REGION 1)
Latitude: 38.4273992562324
Longitude: -122.742515289688
Case Type: Cleanup Program Site
Case Worker: ZZZ
Local Agency: SANTA ROSA, CITY OF
RB Case Number: 1NSR337
File Location: Regional Board
Potential Media Affected: Soil
Potential Contaminants of Concern: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ROSA VALUE CENTER (Continued)

S118172380

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

CERS:

Name: SANTA ROSA VALUE CENTER
Address: 2025 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 232580
CERS ID: T0609793435
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: LOCAL PERMIT WORKER SANTA ROSA - SANTA ROSA, CITY OF
Affiliation Address: 625 5th Street
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075433500

Affiliation Type Desc: Regional Board Caseworker
Entity Name: REGIONAL WATER BOARD SITE CLOSED - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075762220

46
SSW
1/4-1/2
0.415 mi.
2193 ft.

BECOMING INDEPENDENT
1425 CORPORATE CENTER PKWY
SANTA ROSA, CA 95407

ENVIROSTOR S118756998
N/A

Relative:
Lower

ENVIROSTOR:

Actual:
105 ft.

Name: BECOMING INDEPENDENT
Address: 1425 CORPORATE CENTER PKWY
City,State,Zip: SANTA ROSA, CA 95407
Facility ID: 49830001
Status: No Action Required
Status Date: 11/08/1995
Site Code: 200653
Site Type: Calmortgage
Site Type Detailed: Calmortgage
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Sandra Karinen
Supervisor: William Beckman
Division Branch: Cleanup Sacramento
Assembly: 10
Senate: 02
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: CalMortgage
Latitude: 38.41694
Longitude: -122.755
APN: 035-530-043

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BECOMING INDEPENDENT (Continued)

S118756998

Past Use: NONE
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: No Contaminants found
Potential Description: NMA
Alias Name: 035-530-043
Alias Type: APN
Alias Name: 200653
Alias Type: Project Code (Site Code)
Alias Name: 49830001
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: Phase 1
Completed Date: 11/08/1995
Comments: Pursuant to the MOU, DTSC has reviewed a Phase I Environmental Site Assessment and other documents for Becoming Independent (BC). The subject property, currently vacant is a one-story commercial office building. BC is proposing to remodel the building in order to relocate their existing program service facilities for developmentally disabled adults. A Supplemental Phase I Environmental Assessment Report was prepared by DTSC and concluded that no action was needed for this property; there is no contamination on the property.

47
WSW
1/4-1/2
0.495 mi.
2616 ft.

USSRNAAS
FINLEY AVENUE
SANTA ROSA, CA 0

LUST
CPS-SLIC
S102440703
N/A

Relative:
Lower
Actual:
102 ft.

LUST REG 1:
Region: 1
Facility ID: 1TSO547
Staff Initials: DEO

SLIC REG 1:
Region: 1
Facility ID: 1NSO547
Staff Initials: SKB

48
ESE
1/2-1
0.523 mi.
2764 ft.

SONOMA COUNTY INDIAN HEALTH PROJECT, INC
1440 STONY POINT ROAD
SANTA ROSA, CA 95407

ENVIROSTOR
S118756996
N/A

Relative:
Higher
Actual:
119 ft.

ENVIROSTOR:
Name: SONOMA COUNTY INDIAN HEALTH PROJECT, INC
Address: 1440 STONY POINT ROAD
City,State,Zip: SANTA ROSA, CA 95407
Facility ID: 49800002
Status: No Action Required
Status Date: 01/25/1999
Site Code: 201213

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SONOMA COUNTY INDIAN HEALTH PROJECT, INC (Continued)

S118756996

Site Type: Calmortgage
Site Type Detailed: Calmortgage
Acres: 0.25
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Sandra Karinen
Supervisor: William Beckman
Division Branch: Cleanup Sacramento
Assembly: 10
Senate: 02
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: CalMortgage
Latitude: 38.42106
Longitude: -122.7405
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: No Contaminants found
Potential Description: NMA
Alias Name: 201213
Alias Type: Project Code (Site Code)
Alias Name: 49800002
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: Phase 1
Completed Date: 01/25/1999
Comments: Pursuant to the MOU, DTSC has reviewed a Phase I Environmental Site Assessment Report for the Sonoma County Indian Health Project, Inc. (SCIHP). The subject property is currently a vacant, undeveloped lot. SCIHP is proposing to build a health clinic on the property. A Supplemental Phase I Environmental Assessment Report was prepared by DTSC and concluded that no action was needed for this property: there is no contamination on the property.

K49
ENE
1/2-1
0.592 mi.
3127 ft.
Relative:
Higher
Actual:
125 ft.

ANDY BONDI
1834 ROSE AVENUE
SANTA ROSA, CA 93582
Site 1 of 2 in cluster K
NOTIFY 65:

Notify 65 **S100179511**
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

K50
ENE
1/2-1
0.592 mi.
3127 ft.
Relative:
Higher
Actual:
125 ft.

ANDY BONDI
1834 ROSE AVENUE
SANTA ROSA, CA 93582
Site 2 of 2 in cluster K
NOTIFY 65:

Notify 65 **S100179510**
N/A

51
SW
1/2-1
0.596 mi.
3149 ft.
Relative:
Lower
Actual:
101 ft.

NAVAL AUXILIARY AIR STATION SANTA ROSA
SANTA ROSA, CA

FUDS **1007211848**
N/A

FUDS:
EPA Region: 9
Installation ID: CA99799F600100
Congressional District Number: 5
Facility Name: NAVAL AUXILIARY AIR STATION SANTA ROSA
FUDS Number: J09CA1150
City: SANTA ROSA
State: CA
County: SONOMA COUNTY
Telephone: 916-557-7461
USACE Division: South Pacific Division (SPD)
USACE District: Sacramento District (SPK)
Status: Properties with projects
Current Owner: Private Sector
X Coord: -13665426.0792896
Y Coord: 4638257.8839530703
Latitude: 38.415277779999997
Longitude: -122.75861111

FUDS Detail as of Jan 2015:

Fiscal Year: 2013
Federal Facility ID: CA9799F6001
NPL Status: Not Listed
Description: The 497.98-acre site is located in Sonoma County, California, approximately 1 mile southwest of Santa Rosa. After the Department of Defense (DoD) declared the site surplus, it was used as a private airport. The site is currently owned by private business and a residential developing company.

History: The Naval Auxiliary Air Station was acquired by declaration of taking in 1941. The site was established to train pilots and during its use, was used for ammunition storage. The base was deactivated on 7 February 1952, and in 1961 the Navy declared 467.21-acre surplus to the General Services Administration, retaining 30.59 acres. The GSA sold the land to a private airport company. The land was then sold to individual private businesses and a residential development company. Records indicate a difference of 0.18 acre between acquisition and disposition. Aliases: Santa Rosa Naval Auxiliary Air Station; Santa Rosa Air Center; Former Naval Outlying Field; Naval Operation Base San Francisco; Llano De Santa Rosa, Sonoma County; and Naval Operating Base San Francisco, Twelfth Naval District.

CTC: 9689.2000000000007
Institutional ID: 57019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

52
ENE
1/2-1
0.601 mi.
3174 ft.

Relative:
Higher

Actual:
128 ft.

ACME AUTO WRECKERS, INC.
1885 SEBASTOPOL ROAD
SANTA ROSA, CA 95401

ENVIROSTOR
CPS-SLIC
ENF
HIST CORTESE
NPDES
WDS
CIWQS
CERS

S100183332
N/A

ENVIROSTOR:

Name: ACME AUTO WRECKERS, INC
Address: 1885 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95401
Facility ID: 49500002
Status: Refer: RWQCB
Status Date: 09/27/1993
Site Type: Historical
Site Type Detailed: * Historical
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Berkeley
Assembly: 10
Senate: 02
Special Program: * Rural County Survey Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Latitude: 38.42754
Longitude: -122.7398
APN: 125-071-015
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 125-071-015
Alias Type: APN
Alias Name: 49500002
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: * Discovery
Completed Date: 02/09/1988
Comments: FACILITY IDENTIFIED IND DIR 1965, RWQCB/PROP65 AUTO WASTES DISCH TO GROUND

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Screening
Completed Date: 04/22/1988
Comments: SITE SCREENING DONE POSS ONSITE CONTAM

CPS-SLIC:

Name: ACME AUTO WRECKERS INC.
Address: 1885 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Region: STATE
Facility Status: Open - Inactive

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME AUTO WRECKERS, INC. (Continued)

S100183332

Status Date: 10/27/2014
Global Id: T0609793206
Lead Agency: NORTH COAST RWQCB (REGION 1)
Latitude: 38.4281769447897
Longitude: -122.73996591568
Case Type: Cleanup Program Site
Case Worker: TNM
Local Agency: SONOMA COUNTY
RB Case Number: 1NSR126
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Lead, MTBE / TBA / Other Fuel Oxygenates
Site History: Since the mid 1980's the property has been used as a salvage yard for discarded vehicles. Several phases of soil and groundwater investigation have been performed at the site between 1992 and 2009. No further cleanup of petroleum impacted groundwater has been required since 2014. Full closure of the environmental case will not be complete until current site use changes and soil impacts are fully characterized and remediated. Compliance with the industrial storm water program is required.

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

ENF:

Name: ACME AUTO WRECKERS, INC.
Address: 1885 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95401
Region: 1
Facility Id: 204379
Place Type: Service/Commercial
Place Subtype: Service/Commercial Site, NEC
Facility Type: All other facilities
Place Latitude: 38.42832
Place Longitude: -122.73998
SIC Code 1: 5541
SIC Desc 1: Gasoline Service Stations
Of Places: 1
Source Of Facility: Enf Action
Program Category2: TANKS
Enforcement Id(EID): 221014
Region: 1
Order / Resolution Number: LT960322
Enforcement Action Type: Staff Enforcement Letter
Effective Date: 03/22/1996
Termination Date: 03/22/1996
Status: Historical
Title: Enforcement - 1B1SR126NUG Acme Auto Wreckers, Inc.
Description: REQUESTING SUBMITTAL OF STATUS REPORT.
Program: SLIC
Latest Milestone Completion Date: 1998-07-22
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME AUTO WRECKERS, INC. (Continued)

S100183332

Total \$ Paid/Completed Amount: 0

Name: ACME AUTO WRECKERS, INC.
Address: 1885 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95401
Region: 1
Facility Id: 204379
Place Type: Service/Commercial
Place Subtype: Service/Commercial Site, NEC
Facility Type: All other facilities
Place Latitude: 38.42832
Place Longitude: -122.73998
SIC Code 1: 5541
SIC Desc 1: Gasoline Service Stations
Of Places: 1
Source Of Facility: Enf Action
Program Category2: TANKS
Enforcement Id(EID): 220951
Region: 1
Order / Resolution Number: 92-124
Enforcement Action Type: Clean-up and Abatement Order
Effective Date: 09/21/1992
Termination Date: 05/14/2003
Status: Historical
Title: Enforcement - 1B1SR126NUG Acme Auto Wreckers, Inc.
Description: CAO REQUIRES INVESTIGATION OF SOIL & GW CONTAMINATION.
ORDER ISSUED TO ENSURE PROMPT & COMPLETE INVE

Program: SLIC
Latest Milestone Completion Date: 1998-07-22
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

Name: ACME AUTO WRECKERS, INC.
Address: 1885 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95401
Region: 1
Facility Id: 204379
Place Type: Service/Commercial
Place Subtype: Service/Commercial Site, NEC
Facility Type: All other facilities
Place Latitude: 38.42832
Place Longitude: -122.73998
SIC Code 1: 5541
SIC Desc 1: Gasoline Service Stations
Of Places: 1
Source Of Facility: Enf Action
Program Category2: TANKS
Enforcement Id(EID): 219659
Region: 1
Order / Resolution Number: LT960715
Enforcement Action Type: Staff Enforcement Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME AUTO WRECKERS, INC. (Continued)

S100183332

Effective Date: 07/15/1996
Termination Date: 07/15/1996
Status: Historical
Title: Enforcement - 1B1SR126NUG Acme Auto Wreckers, Inc.
Description: REQUESTING SUBMITTAL OF PLANS AND SCHEDULE FOR COMPLIANCE WITH STORMWATER PERMIT.
Program: SLIC
Latest Milestone Completion Date: 1998-07-22
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

Name: ACME AUTO WRECKERS, INC.
Address: 1885 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95401
Region: 1
Facility Id: 204379
Place Type: Service/Commercial
Place Subtype: Service/Commercial Site, NEC
Facility Type: All other facilities
Place Latitude: 38.42832
Place Longitude: -122.73998
SIC Code 1: 5541
SIC Desc 1: Gasoline Service Stations
Of Places: 1
Source Of Facility: Enf Action
Program Category2: TANKS
Enforcement Id(EID): 225755
Region: 1
Order / Resolution Number: 97-033
Enforcement Action Type: Admin Civil Liability
Effective Date: 05/21/1997
Termination Date: 05/14/2003
Status: Historical
Title: Enforcement - 1B1SR126NUG Acme Auto Wreckers, Inc.
Description: VIOLATIONS OF REGIONAL AND STATE WATER BOARD ORDERS.
Program: SLIC
Latest Milestone Completion Date: 2003-05-14
Of Programs1: 1
Total Assessment Amount: 50000
Initial Assessed Amount: 0
Liability \$ Amount: 50000
Project \$ Amount: 0
Liability \$ Paid: 50000
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 50000

Name: ACME AUTO WRECKERS, INC.
Address: 1885 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95401
Region: 1
Facility Id: 204379

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME AUTO WRECKERS, INC. (Continued)

S100183332

Place Type: Service/Commercial
Place Subtype: Service/Commercial Site, NEC
Facility Type: All other facilities
Place Latitude: 38.42832
Place Longitude: -122.73998
SIC Code 1: 5541
SIC Desc 1: Gasoline Service Stations
Of Places: 1
Source Of Facility: Enf Action
Program Category2: TANKS
Enforcement Id(EID): 225701
Region: 1
Order / Resolution Number: 97-032
Enforcement Action Type: Cease and Desist Order
Effective Date: 05/21/1997
Termination Date: 05/14/2003
Status: Historical
Title: Enforcement - 1B1SR126NUG Acme Auto Wreckers, Inc.
Description: CEASE & DESIST FROM THREATENING DISCHARGE IN VIOLATION OF 92-12 DWQ.

Program: SLIC
Latest Milestone Completion Date: 1998-07-22
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

HIST CORTESE:

edr_fname: ACME AUTO WRECKERS, INC.
edr_fadd1: 1885 SEBASTOPOL
City,State,Zip: SANTA ROSA, CA 95407
Region: CORTESE
Facility County Code: 49
Reg By: WBC&D
Reg Id: 1B1SR126NUG

NPDES:

Name: ACME AUTO WRECKERS INC
Address: 1885 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
WDID: 1 49I003958
Regulatory Measure Type: Industrial
Status: Active
Status Date: 12/23/2015
Operator Name: Michael J Marquis
Operator Address: 1885 Sebastopol Rd
Operator City: Santa Rosa
Operator State: California
Operator Zip: 95407

NPDES as of 03/2018:

Region: 1
Regulatory Measure ID: 178811

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME AUTO WRECKERS, INC. (Continued)

S100183332

Regulatory Measure Type: Industrial
WDID: 1 49I003958
Received Date: 05/09/2008
Processed Date: 04/03/1992
Status: Active
Status Date: 12/23/2015
Place Size: 2
Place Size Unit: Acres
Contact: Michael J Marquis
Contact Title: Owner
Contact Phone: 707-545-9075
Contact Email: acmesalvage@att.net
Operator Name: Michael J Marquis
Operator Address: 1885 Sebastopol Rd
Operator City: Santa Rosa
Operator State: California
Operator Zip: 95407
Operator Contact: Micheal Marquis
Operator Contact Title: Owner
Operator Contact Phone: 707-545-9075
Operator Contact Email: alohajake1@aol.com
Operator Type: Private Business
Developer State: California
Emergency Phone: 707-545-9075
Dir Discharge Uswater Ind: N
Receiving Water Name: Stony Point Seb Rd
Certifier: Micheal Marquis
Certifier Title: Owner
Certification Date: 03-AUG-15
Primary Sic: 5015-Motor Vehicle Parts, Used
Secondary Sic: 5093-Scrap and Waste Materials

NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 1
Regulatory Measure ID: 178811
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
WDID: 1 49I003958
Program Type: Industrial
Effective Date Of Regulatory Measure: 04/03/1992
Discharge Name: Michael J Marquis
Discharge Address: 1885 Sebastopol Rd
Discharge City: Santa Rosa
Discharge State: California
Discharge Zip: 95407

Name: ACME AUTO WRECKERS INC
Address: 1885 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
Facility Status: Active
NPDES Number: CAS000001
Region: 1
Agency Number: 0
Regulatory Measure ID: 178811

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME AUTO WRECKERS, INC. (Continued)

S100183332

Order Number: 97-03-DWQ
WDID: 1 49I003958
Regulatory Measure Type: Enrollee
Program Type: Industrial
Effective Date Of Regulatory Measure: 04/03/1992
Discharge Address: 1885 Sebastopol Rd
Discharge Name: Michael J Marquis
Discharge City: Santa Rosa
Discharge State: California
Discharge Zip: 95407

NPDES as of 03/2018:

Region: 1
Regulatory Measure ID: 178811
Regulatory Measure Type: Industrial
WDID: 1 49I003958
Received Date: 05/09/2008
Processed Date: 04/03/1992
Status: Active
Status Date: 12/23/2015
Place Size: 2
Place Size Unit: Acres
Contact: Michael J Marquis
Contact Title: Owner
Contact Phone: 707-545-9075
Contact Email: acmesalvage@att.net
Operator Name: Michael J Marquis
Operator Address: 1885 Sebastopol Rd
Operator City: Santa Rosa
Operator State: California
Operator Zip: 95407
Operator Contact: Micheal Marquis
Operator Contact Title: Owner
Operator Contact Phone: 707-545-9075
Operator Contact Email: alohajake1@aol.com
Operator Type: Private Business
Developer State: California
Emergency Phone: 707-545-9075
Dir Discharge Uswater Ind: N
Receiving Water Name: Stony Point Seb Rd
Certifier: Micheal Marquis
Certifier Title: Owner
Certification Date: 03-AUG-15
Primary Sic: 5015-Motor Vehicle Parts, Used
Secondary Sic: 5093-Scrap and Waste Materials

NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 1
Regulatory Measure ID: 178811
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
WDID: 1 49I003958
Program Type: Industrial
Effective Date Of Regulatory Measure: 04/03/1992
Discharge Name: Michael J Marquis
Discharge Address: 1885 Sebastopol Rd

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME AUTO WRECKERS, INC. (Continued)

S100183332

Discharge City: Santa Rosa
Discharge State: California
Discharge Zip: 95407

WDS:

Name: ACME AUTO WRECKERS INC.
Address: 1885 SEBASTOPOL RD
City: SANTA ROSA
Facility ID: 1 49I003958
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 1
Facility Contact: MICHAEL J. MARQUIS
Agency Name: ACME AUTO WRECKERS
Agency Address: 1885 SEBASTOPOL RD
Agency City,St,Zip: SANTA ROSA 95407
Agency Contact: MICHAEL J. MARQUIS
Agency Type: Private
SIC Code: 5015
Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Primary Waste: STORMS
Waste2: Stormwater Runoff
Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name: ACME AUTO WRECKERS INC
Address: 1885 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
Agency: Michael J Marquis

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME AUTO WRECKERS, INC. (Continued)

S100183332

Agency Address: 1885 Sebastopol Rd, Santa Rosa, CA 95407
Place/Project Type: Industrial - Motor Vehicle Parts, Used
SIC/NAICS: Multiple
Region: 1
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 1 49I003958
NPDES Number: CAS000001
Effective Date: 04/03/1992
Enforcement Actions within 5 years: 2
Violations within 5 years: 1
Latitude: 38.427071
Longitude: -122.740226

CERS:

Name: ACME AUTO WRECKERS INC
Address: 1885 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 449506
CERS ID: 204380
CERS Description: Industrial Facility Storm Water

Violations:

Site ID: 449506
Site Name: Acme Auto Wreckers Inc
Violation Date: 08-15-2015
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Failure to Obtain Permit
Violation Notes: Failure to recertify permit coverage under IGP 2014-0057-DWQ
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Site ID: 449506
Site Name: Acme Auto Wreckers Inc
Violation Date: 03-17-1997
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: NUMEROUS AREAS OF WASTE OIL DISCHARGED TO THE GROUND. ABSORBANT SATURATED WITH OIL REMAINING ON GROUND.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-25-2013
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Inspection during late season storm that dropped over 1 inch of rainfall. Site dismantling under cover with removed drivetrain parts stored within. Runoff from site entrance and several other areas with no trace of hydrocarbons. Site appears well maintained relative to prior inspections.
Eval Division: Water Boards

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME AUTO WRECKERS, INC. (Continued)

S100183332

Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Wrecking yard in excellent condition, no evidence of any hydrocarbon staining throughout site. All drivetrain parts under cover, healthy vegetation throughout center storage area. Minimal number of cars at site at time of inspection. All fluids immediately removed from incoming non-operable vehicles. Run-on from adjacent Auto-Zone store does create some minor flooding during heavy sustained rain events. Will contact store manager to see if changes can be made to store roof discharges so as to lessen flooding potential at Acme.

Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-17-1997
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-23-2015
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Passed out new permit information to Michael. Site still tends to hold most of its runoff as evidenced by lack of discharge from previous day of rain. Front area part of Acme as wrecked cars continue to be stored in this area. Site is orderly as far as wrecking yards are concerned.

Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Enforcement Action:

Site ID: 449506
Site Name: Acme Auto Wreckers Inc
Site Address: 1885 SEBASTOPOL RD
Site City: SANTA ROSA
Site Zip: 95407
Enf Action Date: 10-30-2015
Enf Action Type: Notice of Non-Compliance for Non-Filers
Enf Action Description: Notice of Non-Compliance for Non-Filers
Enf Action Notes: Failure to recertify permit coverage under IGP 2014-0057-DWQ. Facility Map Not Uploaded
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Site ID: 449506
Site Name: Acme Auto Wreckers Inc
Site Address: 1885 SEBASTOPOL RD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME AUTO WRECKERS, INC. (Continued)

S100183332

Site City: SANTA ROSA
Site Zip: 95407
Enf Action Date: 12-11-2015
Enf Action Type: Notice of Non-Compliance for Non-Filers
Enf Action Description: Notice of Non-Compliance for Non-Filers
Enf Action Notes: Failure to recertify permit coverage under IGP 2014-0057-DWQ. SECOND NOTICE. Facility Site Map Not Uploaded
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:

Affiliation Type Desc: Owner/Operator
Entity Name: Michael J Marquis
Entity Title: Operator
Affiliation Address: 1885 Sebastopol Rd
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Name: ACME AUTO WRECKERS, INC.
Address: 1885 SEBASTOPOL
City,State,Zip: SANTA ROSA, CA 95401
Site ID: 307083
CERS ID: 204379
CERS Description: Tanks & Ground Water Clean Up

Violations:

Site ID: 307083
Site Name: Acme Auto Wreckers, Inc.
Violation Date: 07-15-1996
Citation: California Water Code
Violation Notes: FAILURE TO SUBMIT AND IMPLEMENT A SWPPP, FAILURE TO COMPLY WITH PROVISIONS OF STORMWATER PERMIT.
Violation Division: Water Boards
Violation Program: SLIC
Violation Source: CIWQS

Site ID: 307083
Site Name: Acme Auto Wreckers, Inc.
Violation Date: 07-15-1996
Citation: California Water Code
Violation Notes: DISCHARGE OF OIL TO GROUND SURFACE, IMPROPER STORAGE OF AUTO PARTS (BATTERIES, ENGINES, ETC.).
Violation Division: Water Boards
Violation Program: SLIC
Violation Source: CIWQS

Enforcement Action:

Site ID: 307083
Site Name: Acme Auto Wreckers, Inc.
Site Address: 1885 SEBASTOPOL
Site City: SANTA ROSA
Site Zip: 95401
Enf Action Date: 03-22-1996
Enf Action Type: Staff Enforcement Letter (Informal)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME AUTO WRECKERS, INC. (Continued)

S100183332

Enf Action Description:	Staff Enforcement Letter (Informal)
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS
Site ID:	307083
Site Name:	Acme Auto Wreckers, Inc.
Site Address:	1885 SEBASTOPOL
Site City:	SANTA ROSA
Site Zip:	95401
Enf Action Date:	05-21-1997
Enf Action Type:	Administrative Enforcement with Penalty
Enf Action Description:	Administrative Enforcement with Civil Liability (Penalty)
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS
Site ID:	307083
Site Name:	Acme Auto Wreckers, Inc.
Site Address:	1885 SEBASTOPOL
Site City:	SANTA ROSA
Site Zip:	95401
Enf Action Date:	05-21-1997
Enf Action Type:	Cease and Desist Order
Enf Action Description:	Cease and Desist Order
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS
Site ID:	307083
Site Name:	Acme Auto Wreckers, Inc.
Site Address:	1885 SEBASTOPOL
Site City:	SANTA ROSA
Site Zip:	95401
Enf Action Date:	07-15-1996
Enf Action Type:	Staff Enforcement Letter (Informal)
Enf Action Description:	Staff Enforcement Letter (Informal)
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS
Site ID:	307083
Site Name:	Acme Auto Wreckers, Inc.
Site Address:	1885 SEBASTOPOL
Site City:	SANTA ROSA
Site Zip:	95401
Enf Action Date:	09-21-1992
Enf Action Type:	Clean-up and Abatement Order
Enf Action Description:	Clean-up and Abatement Order
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS
Name:	ACME AUTO WRECKERS INC.
Address:	1885 SEBASTOPOL ROAD
City,State,Zip:	SANTA ROSA, CA 95407

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME AUTO WRECKERS, INC. (Continued)

S100183332

Site ID: 208455
CERS ID: T0609793206
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM MAGNEY - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075762030

Affiliation Type Desc: Local Agency Caseworker
Entity Name: LOCAL PERMIT WORKER SANTA ROSA - SANTA ROSA, CITY OF
Affiliation Address: 625 5th Street
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075433500

53
SE
1/2-1
0.666 mi.
3517 ft.

OPTICAL COATING LABORATORY INC
STORMDRAIN @ NORTHPOINT
SANTA ROSA, CA 93582

Notify 65 **S100179058**
N/A

Relative:
Higher
Actual:
112 ft.

NOTIFY 65:

54
ENE
1/2-1
0.681 mi.
3595 ft.

ALMETCO
1733 SEBASTOPOL RD
SANTA ROSA, CA 95401

ENVIROSTOR **S101304982**
LUST **N/A**
CPS-SLIC
EMI
HIST CORTESE
CERS

Relative:
Higher
Actual:
131 ft.

ENVIROSTOR:
Name: ALMETCO
Address: 1733 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95401
Facility ID: 49330001
Status: Refer: RWQCB
Status Date: 09/27/1993
Site Type: Historical
Site Type Detailed: * Historical
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Berkeley
Assembly: 10
Senate: 02
Special Program: * Rural County Survey Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALMETCO (Continued)

S101304982

Latitude: 38.42828
Longitude: -122.7389
APN: 125-082-025
Past Use: NONE SPECIFIED
Potential COC: Chromium VI
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 125-082-025
Alias Type: APN
Alias Name: T0609791135
Alias Type: GeoTracker Global ID
Alias Name: 49330001
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: * Discovery
Completed Date: 02/10/1988
Comments: FACILITY IDENTIFIED SONOMA COUNTY EH - CHROME PLATING FLUID DISP ON TO SOIL

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Screening
Completed Date: 04/21/1988
Comments: SITE SCREENING DONE POSS ONSITE CONTAM

LUST:

Name: ALMETCO, INC.
Address: 1733 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Lead Agency: NORTH COAST RWQCB (REGION 1)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700329
Global Id: T0609700329
Latitude: 38.428743
Longitude: -122.738912
Status: Completed - Case Closed
Status Date: 09/19/2005
Case Worker: ZZZ
RB Case Number: 1TSO463
Local Agency: SONOMA COUNTY
File Location: Regional Board
Potential Media Affect: Well used for drinking water supply
Potential Contaminants of Concern: Gasoline

LUST:

Global Id: T0609700329
Contact Type: Local Agency Caseworker
Contact Name: ENVIRON HEALTH STAFF (NON LOP-RB1)
Organization Name: SONOMA COUNTY
Address: 625 5th Street
City: SANTA ROSA

Global Id: T0609700329
Contact Type: Regional Board Caseworker
Contact Name: REGIONAL WATER BOARD SITE CLOSED
Organization Name: NORTH COAST RWQCB (REGION 1)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALMETCO (Continued)

S101304982

Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: craig.hunt@waterboards.ca.gov
Phone Number: 7075762220

LUST:

Global Id: T0609700329
Action Type: Other
Date: 08/30/1991
Action: Leak Discovery

Global Id: T0609700329
Action Type: ENFORCEMENT
Date: 06/02/2005
Action: Notification - Public Notice of Case Closure

Global Id: T0609700329
Action Type: ENFORCEMENT
Date: 08/02/2005
Action: Technical Correspondence / Assistance / Other

Global Id: T0609700329
Action Type: Other
Date: 08/30/1991
Action: Leak Stopped

Global Id: T0609700329
Action Type: ENFORCEMENT
Date: 09/19/2005
Action: Closure/No Further Action Letter

Global Id: T0609700329
Action Type: Other
Date: 08/30/1991
Action: Leak Reported

LUST:

Global Id: T0609700329
Status: Open - Case Begin Date
Status Date: 08/30/1991

Global Id: T0609700329
Status: Open - Site Assessment
Status Date: 08/30/1991

Global Id: T0609700329
Status: Open - Site Assessment
Status Date: 12/26/2000

Global Id: T0609700329
Status: Open - Site Assessment
Status Date: 04/27/2001

Global Id: T0609700329
Status: Completed - Case Closed
Status Date: 09/19/2005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALMETCO (Continued)

S101304982

CPS-SLIC:

Name: ALMETCO, INC.
Address: 1733 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 09/19/2005
Global Id: T0609791135
Lead Agency: NORTH COAST RWQCB (REGION 1)
Latitude: 38.428743
Longitude: -122.738912
Case Type: Cleanup Program Site
Case Worker: ZZZ
Local Agency: SONOMA COUNTY
RB Case Number: 1NSO463
File Location: Regional Board
Potential Media Affected: Well used for drinking water supply
Potential Contaminants of Concern: Chromium, * Solvents

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

SLIC REG 1:

Region: 1
Facility ID: 1NSO463
Staff Initials: SKB

EMI:

Name: PHOENIX WINDOWS INC
Address: 1733 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 0
Year: 1990
County Code: 49
Air Basin: SF
Facility ID: 3965
Air District Name: BA
SIC Code: 3442
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

HIST CORTESE:

edr_fname: ALMETCO, INC.
edr_fadd1: 1733 SEBASTOPOL
City,State,Zip: SANTA ROSA, CA 95405
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSO463

edr_fname: ALMETCO INC.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALMETCO (Continued)

S101304982

edr_fadd1: 1733 SEBASTOPOL
City,State,Zip: SANTA ROSA, CA 95405
Region: CORTESE
Facility County Code: 49
Reg By: WBC&D
Reg Id: 1B870290NSL

CERS:

Name: ALMETCO, INC.
Address: 1733 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA
Site ID: 187176
CERS ID: T0609791135
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: ENVIRON HEALTH STAFF (NON LOP-RB1) - SONOMA COUNTY
Affiliation Address: 625 5th Street
Affiliation City: SANTA ROSA
Affiliation State: CA

Affiliation Type Desc: Regional Board Caseworker
Entity Name: REGIONAL WATER BOARD SITE CLOSED - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075762220

Name: ALMETCO, INC.
Address: 1733 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA
Site ID: 187176
CERS ID: T0609700329
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: ENVIRON HEALTH STAFF (NON LOP-RB1) - SONOMA COUNTY
Affiliation Address: 625 5th Street
Affiliation City: SANTA ROSA
Affiliation State: CA

Affiliation Type Desc: Regional Board Caseworker
Entity Name: REGIONAL WATER BOARD SITE CLOSED - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075762220

Name: ALMETCO INC.
Address: 1733 SEBASTOPOL
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 307486
CERS ID: 205214
CERS Description: Tanks & Ground Water Clean Up

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALMETCO (Continued)

S101304982

Enforcement Action:

Site ID: 307486
Site Name: Almetco Inc.
Site Address: 1733 SEBASTOPOL
Site City: SANTA ROSA
Site Zip: 95407
Enf Action Date: 11-04-1986
Enf Action Type: Clean-up and Abatement Order
Enf Action Description: Clean-up and Abatement Order
Enf Action Division: Water Boards
Enf Action Program: UNSPEC
Enf Action Source: CIWQS

L55
SW
1/2-1
0.711 mi.
3752 ft.
Relative:
Lower
Actual:
98 ft.

JDSU SANTA ROSA
2789 NORTHPOINT PARWAY
SANTA ROSA, CA 95407
Site 1 of 3 in cluster L
NOTIFY 65:

Notify 65 **S118152732**
N/A

L56
SW
1/2-1
0.711 mi.
3752 ft.
Relative:
Lower
Actual:
98 ft.

OPTICAL COATING LABORATORY, IN
2789 NORTHPOINT PKY
SANTA ROSA, CA 95407
Site 2 of 3 in cluster L

ENVIROSTOR **1000246761**
CPS-SLIC **N/A**
SWEEPS UST
HIST UST
CA FID UST
Cortese
EMI
ENF
HIST CORTESE
NPDES
Notify 65
CIWQS
CERS

ENVIROSTOR:

Name: OPTICAL COATING LABORATORY, INC.
Address: 2789 NORTHPOINT PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
Facility ID: 71002251
Status: Inactive - Needs Evaluation
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Division Branch: Cleanup Berkeley
Assembly: 10
Senate: 02
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Latitude: 38.41681

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Longitude: -122.7504
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD009110768
Alias Type: EPA Identification Number
Alias Name: 110018966519
Alias Type: EPA (FRS #)
Alias Name: 71002251
Alias Type: Envirostor ID Number

Completed Info:

Name: OPTICAL COATINGS LABORATORY INC (OCLI)
Address: 2789 NORTHPOINT PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
Facility ID: 49380001
Status: Refer: RWQCB
Status Date: 09/27/1993
Site Type: Historical
Site Type Detailed: * Historical
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Berkeley
Assembly: 10
Senate: 02
Special Program: * Rural County Survey Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Latitude: 38.41681
Longitude: -122.7504
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: OPTI
Alias Type: Alternate Name
Alias Name: CAD009110768
Alias Type: EPA Identification Number
Alias Name: 110000902676
Alias Type: EPA (FRS #)
Alias Name: 110018966519
Alias Type: EPA (FRS #)
Alias Name: 49380001
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: * Discovery
Completed Date: 10/03/1988
Comments: FACILITY IDENTIFIED ANONYMOUS TIP. SITE SCREENING DONE BETWEEN 1961 AND 1970 SURFACE IMPOUND- MENTS WERE IN USE. WASTES WERE DISPOSED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

ONSITE. IMPOUNDMENTS ARE CURRENTLY UNDER BUILDINGS. NEED TO FIND AERIAL PHOTOS SHOWING THE SITE DURING THAT PERIOD.

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Screening
Completed Date: 03/01/1990
Comments: SITE SCREENING DONE EPA COMPLETED PRELIMINARY ASSESSEMENT & RECOMMEND SCREENING SITE INSPECTION (MEDIUM PRIORITY).

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Screening
Completed Date: 10/03/1988

CPS-SLIC:

Name: JDSU/OCLI (FORMER)
Address: 2789 NORTHPOINT PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
Region: STATE
Facility Status: Open - Verification Monitoring
Status Date: 06/13/2017
Global Id: T0609793183
Lead Agency: NORTH COAST RWQCB (REGION 1)
Latitude: 38.417485928
Longitude: -122.749159
Case Type: Cleanup Program Site
Case Worker: BML
Local Agency: SONOMA COUNTY
RB Case Number: 1NSR095
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Well used for drinking water supply
Potential Contaminants of Concern: Trichloroethylene (TCE)
Site History: The site is a light industrial facility on an approximate 55-acre campus. Operations began at the site in 1959 and have continued to the present, with several periods of expansion increasing the facility size from two to seven buildings. Studies of environmental conditions began at the site in 1988 and identified volatile organic compounds (solvents) such as (TCE), 1,1,1; trichloroethane (TCA); Freon 113; and their degradation products in soil and groundwater.

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

SWEEPS UST:

Name: OPTICAL COATING LABORATORY, IN
Address: 2789 NORTHPOINT PKY
City: SANTA ROSA
Status: Active
Comp Number: 54602
Number: 9
Board Of Equalization: 44-028348
Referral Date: 07-01-85
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 49-060-054602-000001
Tank Status: A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Capacity: 2000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Name: OPTICAL COATING LABORATORY, IN
Address: 2789 NORTHPOINT PKY
City: SANTA ROSA
Status: Active
Comp Number: 54602
Number: 9
Board Of Equalization: 44-028348
Referral Date: 07-01-85
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 49-060-054602-000002
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED

Name: OPTICAL COATING LABORATORY, IN
Address: 2789 NORTHPOINT PKY
City: SANTA ROSA
Status: Active
Comp Number: 54602
Number: 9
Board Of Equalization: 44-028348
Referral Date: 07-01-85
Created Date: 02-29-88
Owner Tank Id: 7
SWRCB Tank Id: 49-060-054602-000003
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL

Name: OPTICAL COATING LABORATORY, IN
Address: 2789 NORTHPOINT PKY
City: SANTA ROSA
Status: Active
Comp Number: 54602
Number: 9
Board Of Equalization: 44-028348
Referral Date: 07-01-85
Created Date: 02-29-88
Owner Tank Id: 9
SWRCB Tank Id: 49-060-054602-000004
Tank Status: A
Capacity: 500
Active Date: 07-01-85

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Tank Use: M.V. FUEL
STG: P
Content: DIESEL

HIST UST:

Name: OPTICAL COATING LABORATORY IN
Address: 2789 NORTHPOINT PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
File Number: 00021C6C
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021C6C.pdf>
Region: STATE
Facility ID: 00000054602
Facility Type: Other
Other Type: INDUSTRIAL FACILITY
Contact Name: NOT APPLICABLE
Telephone: 7075257693
Owner Name: OPTICAL COATING LABORATORY, IN
Owner Address: 2789 NORTHPOINT PARKWAY
Owner City,St,Zip: SANTA ROSA, CA 95407
Total Tanks: 0009

Tank Num: 001
Container Num: 1
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: 1979
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Leak Detection: None

Tank Num: 003
Container Num: 3
Tank Capacity: 00001000
Tank Used for: WASTE

Tank Num: 004
Container Num: 4
Year Installed: 1977
Tank Capacity: 00008000
Tank Used for: WASTE
Container Construction Thickness: 8
Leak Detection: Visual, Sensor Instrument

Tank Num: 005
Container Num: 5
Tank Capacity: 00001500
Tank Used for: WASTE

Tank Num: 006
Container Num: 6
Year Installed: 1984

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Tank Capacity: 00002000
Tank Used for: WASTE
Leak Detection: Sensor Instrument

Tank Num: 007
Container Num: 7
Year Installed: 1984
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Leak Detection: None

Tank Num: 008
Container Num: 8
Year Installed: 1984
Tank Capacity: 00000500
Tank Used for: WASTE
Container Construction Thickness: 6
Leak Detection: Visual, Sensor Instrument

Tank Num: 009
Container Num: 9
Year Installed: 1985
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 12
Leak Detection: Sensor Instrument

[Click here for Geo Tracker PDF:](#)

CA FID UST:

Facility ID: 49000002
Regulated By: UTNKA
Regulated ID: 00054602
Facility Phone: 7075257693
Mailing Address: 2789 NORTHPOINT PKY
Mailing City,St,Zip: SANTA ROSA 95407
Status: Active

CORTESE:

Name: JDSU (FORMERLY OPTICAL COATING LABORATORIES, INC.)
Address: 2789 NORTHPOINT PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
Region: CORTESE
Flag: CORTESE
Order No: R1-1999-0029
Effective Date: 07/21/1999
Region 2: 1
WID Id: 1B88067NSON
File Name: Cease Desist Orders & Cleanup Abatement Orders

EMI:

Name: OCLI
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Year: 1987
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3229
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 8
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: OCLI
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 1990
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3229
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 6
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: OCLI
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 1995
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: OCLI
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 1996
County Code: 49
Air Basin: SF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Facility ID: 1535
Air District Name: BA
SIC Code: 2837
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: OCLI
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 1997
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: OCLI
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 1998
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: OCLI
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 1999
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 4953

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: OCLI
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 2000
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: OCLI
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 2001
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: JDS UNIPHASE
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 2002
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: JDS UNIPHASE
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 2003
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: JDS UNIPHASE
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 2004
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 0.601
Reactive Organic Gases Tons/Yr: 0.2759825
Carbon Monoxide Emissions Tons/Yr: 0.005
NOX - Oxides of Nitrogen Tons/Yr: 0.023
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.004
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.003512

Name: JDS UNIPHASE
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 2005
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 3.177
Reactive Organic Gases Tons/Yr: 2.3169019
Carbon Monoxide Emissions Tons/Yr: .011
NOX - Oxides of Nitrogen Tons/Yr: .053
SOX - Oxides of Sulphur Tons/Yr: .001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Particulate Matter Tons/Yr: .006
Part. Matter 10 Micrometers and Smllr Tons/Yr:.005464

Name: JDS UNIPHASE
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 2006
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: .853
Reactive Organic Gases Tons/Yr: .4412664
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: .003
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .002
Part. Matter 10 Micrometers and Smllr Tons/Yr:.00156

Name: JDS UNIPHASE
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 92668
Year: 2007
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: .647
Reactive Organic Gases Tons/Yr: .3107663
Carbon Monoxide Emissions Tons/Yr: .002
NOX - Oxides of Nitrogen Tons/Yr: .012
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .003
Part. Matter 10 Micrometers and Smllr Tons/Yr:.002536

Name: JDSU - FLEX PRODUCTS INC
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 2008
County Code: 49
Air Basin: SF
Facility ID: 5223
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 12.884
Reactive Organic Gases Tons/Yr: 10.059312
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .001
Part. Matter 10 Micrometers and Smllr Tons/Yr:.0009

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Name: JDS UNIPHASE
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 2008
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: .107
Reactive Organic Gases Tons/Yr: .0697022
Carbon Monoxide Emissions Tons/Yr: .008
NOX - Oxides of Nitrogen Tons/Yr: .038
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .005
Part. Matter 10 Micrometers and Smllr Tons/Yr:.004488

Name: JDSU - FLEX PRODUCTS INC
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 2009
County Code: 49
Air Basin: SF
Facility ID: 5223
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 11.571
Reactive Organic Gases Tons/Yr: 8.7494873999999996
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:8.9999999999999998E-4

Name: JDSU
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 2009
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 0.47999999999999998
Reactive Organic Gases Tons/Yr: 0.2233106
Carbon Monoxide Emissions Tons/Yr: 9.1999999999999998E-2
NOX - Oxides of Nitrogen Tons/Yr: 0.42199999999999999
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 3.2000000000000001E-2
Part. Matter 10 Micrometers and Smllr Tons/Yr:3.0839999999999999E-2

Name: JDSU
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Year: 2010
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 3.589
Reactive Organic Gases Tons/Yr: 2.5490618
Carbon Monoxide Emissions Tons/Yr: 0.001
NOX - Oxides of Nitrogen Tons/Yr: 0.002
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.00259136212624584
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.002

Name: JDSU - FLEX PRODUCTS INC
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 2010
County Code: 49
Air Basin: SF
Facility ID: 5223
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 12.071
Reactive Organic Gases Tons/Yr: 11.128197200000001
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.001111111111111111
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.001

Name: JDSU
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 2011
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 13.582
Reactive Organic Gases Tons/Yr: 10.7588199
Carbon Monoxide Emissions Tons/Yr: 0.028
NOX - Oxides of Nitrogen Tons/Yr: 0.125
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: JDSU - FLEX PRODUCTS INC
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 2011
County Code: 49
Air Basin: SF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Facility ID:	5223
Air District Name:	BA
SIC Code:	3827
Air District Name:	BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr:	12.071
Reactive Organic Gases Tons/Yr:	9.7805978
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Name:	JDSU
Address:	2789 NORTHPOINT PKWY
City,State,Zip:	SANTA ROSA, CA 95407
Year:	2012
County Code:	49
Air Basin:	SF
Facility ID:	1535
Air District Name:	BA
SIC Code:	3827
Air District Name:	BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr:	11.27
Reactive Organic Gases Tons/Yr:	8.8538549
Carbon Monoxide Emissions Tons/Yr:	0.019
NOX - Oxides of Nitrogen Tons/Yr:	0.075
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.025040652251
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.022
Name:	JDSU
Address:	2789 NORTHPOINT PKWY
City,State,Zip:	SANTA ROSA, CA 95407
Year:	2013
County Code:	49
Air Basin:	SF
Facility ID:	1535
Air District Name:	BA
SIC Code:	3827
Air District Name:	BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr:	11.145
Reactive Organic Gases Tons/Yr:	8.8927663
Carbon Monoxide Emissions Tons/Yr:	0.034
NOX - Oxides of Nitrogen Tons/Yr:	0.153
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.037
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.027
Name:	JDSU
Address:	2789 NORTHPOINT PKWY
City,State,Zip:	SANTA ROSA, CA 95407
Year:	2014
County Code:	49
Air Basin:	SF
Facility ID:	1535
Air District Name:	BA
SIC Code:	3827

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OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 11.142964865
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0.035110264
NOX - Oxides of Nitrogen Tons/Yr: 0.152428943
SOX - Oxides of Sulphur Tons/Yr: 0.00029053
Particulate Matter Tons/Yr: 0.037329658
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.027723196

Name: VIAVI
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 2015
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 54.272939806
Reactive Organic Gases Tons/Yr: 34.458790465
Carbon Monoxide Emissions Tons/Yr: 0.013523266
NOX - Oxides of Nitrogen Tons/Yr: 0.061340091
SOX - Oxides of Sulphur Tons/Yr: 4.938e-005
Particulate Matter Tons/Yr: 0.059940137
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.041636484

Name: VIAVI
Address: 2789 NORTHPOINT PKWY
City,State,Zip: SANTA ROSA, CA 95407
Year: 2016
County Code: 49
Air Basin: SF
Facility ID: 1535
Air District Name: BA
SIC Code: 3827
Air District Name: BAY AREA AQMD
Total Organic Hydrocarbon Gases Tons/Yr: 6.910747464
Reactive Organic Gases Tons/Yr: 5.8420241393
Carbon Monoxide Emissions Tons/Yr: 0.012239999
NOX - Oxides of Nitrogen Tons/Yr: 0.056301404
SOX - Oxides of Sulphur Tons/Yr: 2.61e-005
Particulate Matter Tons/Yr: 0.004914274
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.003083886

ENF:

Name: JDS UNIPHASE (FORMERLY OPTICAL COATING LABORATORIES, INC.)
Address: 2789 NORTHPOINT PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
Region: 1
Facility Id: 246089
Place Type: Service/Commercial
Place Subtype: Laboratory
Facility Type: All other facilities
Place Latitude: 38.41681
Place Longitude: -122.75047
SIC Code 1: 3827

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

SIC Desc 1: Optical Instruments and Lenses
Of Places: 1
Source Of Facility: Enf Action
Program Category2: NPDESWW
Enforcement Id(EID): 224047
Region: 1
Order / Resolution Number: 93-071
Enforcement Action Type: Clean-up and Abatement Order
Effective Date: 06/28/1993
Termination Date: 07/06/1994
Status: Historical
Title: Enforcement - 1B88067NSON JDSU (formerly Optical Coating Laboratories, Inc.)
Description: CAO REVISES CAO 90-108 TO ADDRESS THE FINAL CLEANUP PLAN AND TO SET A FIXED TIME SCHEDULE.
Program: NPDNONMUNIPRCS
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

Name: JDS UNIPHASE (FORMERLY OPTICAL COATING LABORATORIES, INC.)
Address: 2789 NORTHPOINT PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
Region: 1
Facility Id: 246089
Agency Name: JDSU (formerly Optical Coating Laboratories)
Place Type: Service/Commercial
Place Subtype: Laboratory
Facility Type: All other facilities
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 38.41681
Place Longitude: -122.75047
SIC Code 1: 3827
SIC Desc 1: Optical Instruments and Lenses
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: 0.0001
Threat To Water Quality: 2
Complexity: B
Pretreatment: X - Facility is not a POTW
Facility Waste Type: Contaminated ground water
Facility Waste Type 2: Contaminated soil
Program: NPDNONMUNIPRCS
Program Category1: NPDESWW
Program Category2: NPDESWW
Of Programs: 1
WDID: 1B88067NSON
Reg Measure Id: 138243
Reg Measure Type: NPDES Permits
Region: 1
Order #: R1-1999-0029

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Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Npdes# CA#:	CA0024694
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
301H:	N
Application Fee Amt Received:	0.01
Status:	Historical
Status Date:	11/29/2006
Effective Date:	07/21/1999
Expiration/Review Date:	07/19/2004
Termination Date:	11/29/2006
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	220606
Region:	1
Order / Resolution Number:	96-078
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	09/17/1996
Status:	Active
Title:	Enforcement - 1B88067N SON JDS Uniphase
Description:	13267 & 13304. INCORPORATES IMPLEMENTATION OF FINAL REMEDATION SYSTEM.
Program:	NPDPNONMUNIPRCS
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Name:	JDS UNIPHASE (FORMERLY OPTICAL COATING LABORATORIES, INC.)
Address:	2789 NORTHPOINT PARKWAY
City,State,Zip:	SANTA ROSA, CA 95407
Region:	1
Facility Id:	246089
Place Type:	Service/Commercial
Place Subtype:	Laboratory
Facility Type:	All other facilities
Place Latitude:	38.41681
Place Longitude:	-122.75047
SIC Code 1:	3827
SIC Desc 1:	Optical Instruments and Lenses
# Of Places:	1
Source Of Facility:	Enf Action
Program Category2:	NPDESWW
Enforcement Id(EID):	223095
Region:	1
Order / Resolution Number:	94-099
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	07/06/1994
Termination Date:	09/17/1996
Status:	Historical
Title:	Enforcement - 1B88067N SON JDSU (formerly Optical Coating Laboratories,

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OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Description:	Inc.) CLEANUP & ABATE THE DISCHARGE & THREATENED DISCHARGE OF SOLVENTS.
Program:	NPDNONMUNIPRCS
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Name:	JDS UNIPHASE (FORMERLY OPTICAL COATING LABORATORIES, INC.)
Address:	2789 NORTHPOINT PARKWAY
City,State,Zip:	SANTA ROSA, CA 95407
Region:	1
Facility Id:	246089
Place Type:	Service/Commercial
Place Subtype:	Laboratory
Facility Type:	All other facilities
Place Latitude:	38.41681
Place Longitude:	-122.75047
SIC Code 1:	3827
SIC Desc 1:	Optical Instruments and Lenses
# Of Places:	1
Source Of Facility:	Enf Action
Program Category2:	NPDESWW
Enforcement Id(EID):	224682
Region:	1
Order / Resolution Number:	88-122
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	09/01/1988
Termination Date:	09/28/1989
Status:	Historical
Title:	Enforcement - 1B88067NSON JDSU (formerly Optical Coating Laboratories, Inc.)
Description:	CONTAMINATED GROUNDWATER UNDERLYING OCLI FACILITY..
Program:	NPDNONMUNIPRCS
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Name:	JDS UNIPHASE (FORMERLY OPTICAL COATING LABORATORIES, INC.)
Address:	2789 NORTHPOINT PARKWAY
City,State,Zip:	SANTA ROSA, CA 95407
Region:	1
Facility Id:	246089
Place Type:	Service/Commercial
Place Subtype:	Laboratory
Facility Type:	All other facilities
Place Latitude:	38.41681

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
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OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Place Longitude: -122.75047
SIC Code 1: 3827
SIC Desc 1: Optical Instruments and Lenses
Of Places: 1
Source Of Facility: Enf Action
Program Category2: NPDESWW
Enforcement Id(EID): 224612
Region: 1
Order / Resolution Number: 89-121
Enforcement Action Type: Clean-up and Abatement Order
Effective Date: 09/28/1989
Termination Date: 05/25/1990
Status: Historical
Title: Enforcement - 1B88067NSON JDSU (formerly Optical Coating Laboratories, Inc.)
Description: GROUNDWATER CONTAMINATION. WORKPLAN SHOULD CONTAIN TIME SCHEDULE FOR IMPLEMENTATION OF FINAL CLEANUP
Program: NPDNONMUNIPRCS
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0
Name: JDS UNIPHASE (FORMERLY OPTICAL COATING LABORATORIES, INC.)
Address: 2789 NORTHPOINT PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
Region: 1
Facility Id: 246089
Place Type: Service/Commercial
Place Subtype: Laboratory
Facility Type: All other facilities
Place Latitude: 38.41681
Place Longitude: -122.75047
SIC Code 1: 3827
SIC Desc 1: Optical Instruments and Lenses
Of Places: 1
Source Of Facility: Enf Action
Program Category2: NPDESWW
Enforcement Id(EID): 224553
Region: 1
Order / Resolution Number: 90-108
Enforcement Action Type: Clean-up and Abatement Order
Effective Date: 05/25/1990
Termination Date: 06/28/1993
Status: Historical
Title: Enforcement - 1B88067NSON JDSU (formerly Optical Coating Laboratories, Inc.)
Description: GRANTING EXTENSIONS TO COMPLETE THE GROUNDWATER TREATMENT PLANT AND FINAL REMEDIATION ACTION PLAN.
Program: NPDNONMUNIPRCS
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

HIST CORTESE:

edr_fname: OPTICAL COATING LABORATOR
edr_fadd1: 2789 NORTHPOINT
City,State,Zip: SANTA ROSA, CA 95407
Region: CORTESE
Facility County Code: 49
Reg By: WBC&D
Reg Id: 1B88067N SON

NPDES:

Name: VIAVI SANTA ROSA
Address: 2789 NORTHPOINT PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
Facility Status: Active
NPDES Number: CAS000001
Region: 1
Agency Number: 0
Regulatory Measure ID: 459912
Order Number: 97-03-DWQ
WDID: 1 49I026189
Regulatory Measure Type: Enrollee
Program Type: Industrial
Effective Date Of Regulatory Measure: 10/08/2015
Discharge Address: 2789 Northpoint Parkway
Discharge Name: JDSU
Discharge City: Santa Rosa
Discharge State: California
Discharge Zip: 95407

NPDES as of 03/2018:

Region: 1
Regulatory Measure ID: 459912
Regulatory Measure Type: Industrial
WDID: 1 49I026189
Received Date: 09/15/2015
Processed Date: 10/08/2015
Status: Active
Status Date: 10/08/2015
Place Size: 17.3
Place Size Unit: Acres
Contact: Diana Boettcher
Contact Title: EHS Manager
Contact Phone: 707-525-7770
Contact Email: diana.boettcher@viavisolutions.com
Operator Name: JDSU
Operator Address: 2789 Northpoint Parkway
Operator City: Santa Rosa
Operator State: California
Operator Zip: 95407
Operator Contact: Diana Boettcher
Operator Contact Phone: 707-525-7770

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Operator Contact Email: diana.boettcher@viavisolutions.com
Operator Type: Private Business
Developer State: California
Dir Discharge Uswater Ind: N
Receiving Water Name: Roseland Channel
Certifier: Diana Boettcher
Certifier Title: EHS Specialist
Certification Date: 15-SEP-15
Primary Sic: 3827-Optical Instruments and Lenses

NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 1
Regulatory Measure ID: 459912
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
WDID: 1 49I026189
Program Type: Industrial
Effective Date Of Regulatory Measure: 10/08/2015
Discharge Name: JDSU
Discharge Address: 2789 Northpoint Parkway
Discharge City: Santa Rosa
Discharge State: California
Discharge Zip: 95407

Name: VIAVI SANTA ROSA
Address: 2789 NORTHPOINT PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
WDID: 1 49I026189
Regulatory Measure Type: Industrial
Status: Active
Status Date: 10/08/2015
Operator Name: JDSU
Operator Address: 2789 Northpoint Parkway
Operator City: Santa Rosa
Operator State: California
Operator Zip: 95407

NPDES as of 03/2018:
Region: 1
Regulatory Measure ID: 459912
Regulatory Measure Type: Industrial
WDID: 1 49I026189
Received Date: 09/15/2015
Processed Date: 10/08/2015
Status: Active
Status Date: 10/08/2015
Place Size: 17.3
Place Size Unit: Acres
Contact: Diana Boettcher
Contact Title: EHS Manager
Contact Phone: 707-525-7770
Contact Email: diana.boettcher@viavisolutions.com
Operator Name: JDSU
Operator Address: 2789 Northpoint Parkway
Operator City: Santa Rosa

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Operator State: California
Operator Zip: 95407
Operator Contact: Diana Boettcher
Operator Contact Phone: 707-525-7770
Operator Contact Email: diana.boettcher@viavisolutions.com
Operator Type: Private Business
Developer State: California
Dir Discharge Uswater Ind: N
Receiving Water Name: Roseland Channel
Certifier: Diana Boettcher
Certifier Title: EHS Specialist
Certification Date: 15-SEP-15
Primary Sic: 3827-Optical Instruments and Lenses

NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 1
Regulatory Measure ID: 459912
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
WDID: 1 49I026189
Program Type: Industrial
Effective Date Of Regulatory Measure: 10/08/2015
Discharge Name: JDSU
Discharge Address: 2789 Northpoint Parkway
Discharge City: Santa Rosa
Discharge State: California
Discharge Zip: 95407

NOTIFY 65:

CIWQS:

Name: JDS UNIPHASE (FORMERLY OPTICAL COATING LABORATORIES, INC.)
Address: 2789 NORTHPOINT PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
Agency: JDSU
Agency Address: 430 North Mccarthy Boulevard, Milpitas, CA 95035
Place/Project Type: Laboratory
SIC/NAICS: 3827
Region: 1
Program: SLIC
Regulatory Measure Status: Active
Regulatory Measure Type: Enrollee
Order Number: R1-2016-0034
WDID: 1B88067NSON
NPDES Number: CAG911001

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Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Adoption Date: 09/15/2006
Effective Date: 09/15/2006
Expiration/Review Date: 10/19/2021
Design Flow: 0.0001
Major/Minor: Minor
Complexity: B
TTWQ: 2
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.41681
Longitude: -122.75047

Name: VIAVI SANTA ROSA
Address: 2789 NORTHPOINT PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
Agency: JDSU
Agency Address: 2789 Northpoint Parkway, Santa Rosa, CA 95407
Place/Project Type: Industrial - Optical Instruments and Lenses
SIC/NAICS: 3827
Region: 1
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 1 49I026189
NPDES Number: CAS000001
Effective Date: 10/08/2015
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.41681
Longitude: -122.75047

Name: JDS UNIPHASE (FORMERLY OPTICAL COATING LABORATORIES, INC.)
Address: 2789 NORTHPOINT PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
Agency: JDSU (formerly Optical Coating Laboratories)
Agency Address: 2789 Northpoint Parkway, Santa Rosa, CA 95407-7397
Place/Project Type: Laboratory
SIC/NAICS: 3827
Region: 1
Program: NPDNONMUNIPRCS, REC
Regulatory Measure Status: Active
Regulatory Measure Type: Reclamation Requirements
Order Number: R1-2007-0056
WDID: 1B88067NSON
Adoption Date: 09/13/2007
Effective Date: 09/13/2007
Design Flow: 0.0001
Major/Minor: Minor
Complexity: B
TTWQ: 2
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.41681
Longitude: -122.75047

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

CERS:

Name: VIAVI SANTA ROSA
Address: 2789 NORTHPOINT PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 503439
CERS ID: 839876
CERS Description: Industrial Facility Storm Water

Affiliation:

Affiliation Type Desc: Owner/Operator
Entity Name: JDSU
Entity Title: Operator
Affiliation Address: 2789 Northpoint Parkway
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Name: JDSU
Address: 2789 NORTHPOINT PARKWAY
City,State,Zip: SANTA ROSA, CA 95407-7350
Site ID: 495065
CERS ID: 110042051089
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc: Facility Owner
Entity Name: JDSU
Entity Title: OWNER
Affiliation Address: 430 NORTH MCCARTHY BLVD
Affiliation City: MILPITAS
Affiliation State: CA

Affiliation Type Desc: Operator
Entity Name: DIANA BOETTCHER
Entity Title: OPERATOR
Affiliation Address: 2789 NORTHPOINT PARKWAY
Affiliation City: SANTAROSA
Affiliation State: CA

Affiliation Type Desc: Environmental Contact
Entity Name: BARRY WEITZENBERG
Entity Title: OPERATIONS MANAGER

Affiliation Type Desc: Environmental Contact
Entity Name: WARREN SMITH
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: 2789 NORTHPOINT PARKWAY
Affiliation City: SANTAROSA
Affiliation State: CA

Affiliation Type Desc: Environmental Contact
Entity Name: DIANA L BOETTCHER
Entity Title: EHS SPECIALIST
Affiliation Address: 2789 NORTHPOINT PARKWAY
Affiliation City: SANTAROSA
Affiliation State: CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPTICAL COATING LABORATORY, IN (Continued)

1000246761

Name: JDSU/OCLI (FORMER)
Address: 2789 NORTHPOINT PARKWAY
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 236800
CERS ID: T0609793183
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: BETH LAMB - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075762220

L57
SW
1/2-1
0.711 mi.
3752 ft.
Relative:
Lower
Actual:
98 ft.

OCLI
2789 N POINT PKWAY
SANTA ROSA, CA 93582
Site 3 of 3 in cluster L

Notify 65 **1000477300**
N/A

58
West
1/2-1
0.747 mi.
3945 ft.

LEDDY AVENUE PROPERTY
1037 LEDDY AVENUE
SANTA ROSA, CA 95407

CPS-SLIC **S110370921**
Notify 65 **N/A**
CERS

Relative:
Lower
Actual:
98 ft.

CPS-SLIC:
Name: LEDDY AVENUE PROPERTY
Address: 1037 LEDDY AVENUE
City,State,Zip: SANTA ROSA, CA 95407
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 04/27/2010
Global Id: T10000001234
Lead Agency: NORTH COAST RWQCB (REGION 1)
Latitude: 38.4218562283122
Longitude: -122.766509056091
Case Type: Cleanup Program Site
Case Worker: ZZZ
RB Case Number: 1NSR445
File Location: Regional Board
Potential Media Affected: Well used for drinking water supply
Potential Contaminants of Concern: Diesel, Gasoline
Site History: Septic tank and leach field removal project due to illegal disposal of fuel and anti-freeze. Septic system removed. No evidence of a discharge to soil.

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LEDDY AVENUE PROPERTY (Continued)

S110370921

NOTIFY 65:

CERS:

Name: LEDDY AVENUE PROPERTY
Address: 1037 LEDDY AVENUE
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 199835
CERS ID: T10000001234
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: REGIONAL WATER BOARD SITE CLOSED - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075762220

M59
ENE
1/2-1
0.760 mi.
4015 ft.
Site 1 of 2 in cluster M

WESCOTTS AUTO & TRUCK
1569 SEBASTOPOL RD
SANTA ROSA, CA 95407

ENVIROSTOR
CPS-SLIC
CUPA Listings
NPDES
WDS
CIWQS
CERS

S101482592
N/A

Relative:
Higher

Actual:
132 ft.

ENVIROSTOR:

Name: WESCOTTS AUTO & TRUCK
Address: 1569 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
Facility ID: 49500010
Status: Refer: RWQCB
Status Date: 09/27/1993
Site Type: Historical
Site Type Detailed: * Historical
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Berkeley
Assembly: 10
Senate: 02
Special Program: * Rural County Survey Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Latitude: 38.42910
Longitude: -122.7370
APN: 125-081-032
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 125-081-032
Alias Type: APN
Alias Name: 49500010
Alias Type: Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESCOTTS AUTO & TRUCK (Continued)

S101482592

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: * Discovery
Completed Date: 04/06/1988
Comments: FACILITY IDENTIFIED PHONE DIR 1987

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Screening
Completed Date: 04/22/1988
Comments: SITE SCREENING DONE SIC CODE

CPS-SLIC:

Name: WESCOTT'S BOB AUTO & TRUCK PRT
Address: 1569 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 02/26/2009
Global Id: T0609793338
Lead Agency: NORTH COAST RWQCB (REGION 1)
Latitude: 38.428281848401
Longitude: -122.736907542328
Case Type: Cleanup Program Site
Case Worker: ZZZ
Local Agency: SANTA ROSA, CITY OF
RB Case Number: 1NSR285
File Location: Regional Board
Potential Media Affected: Under Investigation

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

Name: WESCOTT AUTO AND TRUCK PARTS
Address: 1569 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 06/13/2017
Global Id: T10000008931
Lead Agency: NORTH COAST RWQCB (REGION 1)
Latitude: 38.42922
Longitude: -122.73684
Case Type: Cleanup Program Site
Case Worker: ZZZ
RB Case Number: 1NSO944
Potential Contaminants of Concern: Lead, MTBE / TBA / Other Fuel Oxygenates, Waste Oil / Motor / Hydraulic / Lubricating

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

CUPA SONOMA:

Name: BOB WESCOTT'S AUTO & TRUCK PARTS, INC.
Add1: 1569 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
Facility ID: 49-000-000567
Type: Hazardous Waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESCOTTS AUTO & TRUCK (Continued)

S101482592

Fee Schedule: Waste Oil Only > 5 tons/year
CERS ID: 10101541
Expiration Date: 04/18/2015

Name: BOB WESCOTT'S AUTO & TRUCK PARTS, INC.
Add1: 1569 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
Facility ID: 49-000-000567
Type: HMBP
Fee Schedule: Range 2
CERS ID: 10101541
Expiration Date: 04/18/2015

NPDES:

Name: BOB WESCOTTS AUTO & TRUCK
Address: 1569 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
WDID: 1 49I000306
Regulatory Measure Type: Industrial
Status: Terminated
Status Date: 12/22/2015
Operator Name: Bob Wescotts
Operator Address: 1569 Sebastopol Rd
Operator City: Santa Rosa
Operator State: California
Operator Zip: 95407

NPDES as of 03/2018:

Region: 1
Regulatory Measure ID: 178788
Regulatory Measure Type: Industrial
WDID: 1 49I000306
Termination Date Of Regulatory Measure: 12/22/2015
Received Date: 05/09/2008
Processed Date: 03/06/1992
Status: Terminated
Status Date: 12/22/2015
Place Size: 2
Place Size Unit: Acres
Contact: BOB Wescott
Contact Phone: 707-542-0311
Operator Name: Bob Wescotts
Operator Address: 1569 Sebastopol Rd
Operator City: Santa Rosa
Operator State: California
Operator Zip: 95407
Operator Contact: BOB Wescott
Operator Contact Phone: 707-542-0311
Operator Type: Private Business
Developer State: California
Emergency Phone: 707-542-0311
Receiving Water Name: Laguna De Santa Rosa
Primary Sic: 5015-Motor Vehicle Parts, Used

NPDES Number: CAS000001
Status: Terminated
Agency Number: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESCOTTS AUTO & TRUCK (Continued)

S101482592

Region: 1
Regulatory Measure ID: 178788
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
WDID: 1 49I000306
Program Type: Industrial
Effective Date Of Regulatory Measure: 03/06/1992
Termination Date Of Regulatory Measure: 12/22/2015
Discharge Name: Bob Wescotts
Discharge Address: 1569 Sebastopol Rd
Discharge City: Santa Rosa
Discharge State: California
Discharge Zip: 95407

WDS:

Name: WESCOTTS AUTO & TRUCK
Address: 1569 SEBASTOPOL RD
City: SANTA ROSA
Facility ID: 1 49I000306
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 1
Facility Contact: BOB WESCOTT
Agency Name: WESCOTTS BOB
Agency Address: 3664 FIR RIDGE DR
Agency City,St,Zip: SANTA ROSA 95403
Agency Contact: BOB WESCOTT
Agency Type: Private
SIC Code: 3714
Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Primary Waste: STORMS
Waste2: Stormwater Runoff
Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESCOTTS AUTO & TRUCK (Continued)

S101482592

disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name: BOB WESCOTTS AUTO & TRUCK
Address: 1569 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
Agency: Bob Wescotts
Agency Address: 1569 Sebastopol Rd, Santa Rosa, CA 95407
Place/Project Type: Industrial - Motor Vehicle Parts, Used
SIC/NAICS: 5015
Region: 1
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 1 49I000306
NPDES Number: CAS000001
Effective Date: 03/06/1992
Termination Date: 12/22/2015
Enforcement Actions within 5 years: 2
Violations within 5 years: 1
Latitude: 38.427783
Longitude: -122.737197

CERS:

Name: WESCOTT AUTO AND TRUCK PARTS
Address: 1569 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 370095
CERS ID: T10000008931
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: REGIONAL WATER BOARD SITE CLOSED - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075762220

M60
ENE
1/2-1
0.777 mi.
4100 ft.
MCMINN AVENUE
ROSELAND AREA
SANTA ROSA, CA 95401
Site 2 of 2 in cluster M

CA BOND EXP. PLAN **S100833365**
N/A

Relative:
Higher
Actual:
131 ft.

CA BOND EXP. PLAN:
Responsible Party:
Project Revenue Source Desc:

DETAILED SITE EXPENDITURE PLAN
Currently there are no identified responsible parties. Therefore, Bond funds will be used to investigate and remediate the site. If during the investigation RPs are identified, DHS will pursue appropriate cost recovery activities. This site is currently not on the NPL, nor does it appear to be a likely candidate for NPL listing in the near future. Therefore, it is unlikely that federal funds will become available for this site.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCMINN AVENUE (Continued)

S100833365

Site Description: Ground water contamination in privately-owned wells has been discovered. The area where investigation activities have been focused is designated as the Local Study Area and is defined as the area within a 2000-foot radius of the intersection of McMinn Avenue and Sebastopol Road. More than 50 potential sources of contamination have been identified, although responsible parties have not yet been identified.

Hazardous Waste Desc: Initial sampling and analysis of water from private wells, conducted by the Sonoma County Public Health Department and Regional Water Quality Control Board, indicated ground water contaminated by fuels and associated compounds and solvents. Seven of thirty eight private wells, which were sampled by DHS in the fall of 1986, were found to have concentrations of contaminants at or exceeding State drinking water action levels. Contaminants which were found to exceed State action levels include benzene, 1,2-dichloroethane (DCE), tetrachloroethene (TCE) and vinyl chloride. Fuels have been found floating in monitoring wells. 1,2-dichloroethane (DCE), tetrachloroethene (TCE) and vinyl chloride. Fuels have been found floating in monitoring wells.

Threat To Public Health & Env: The primary threat is from consumption of contaminated well water. Migration of ground water contaminants may result in the contamination of additional wells.

Site Activity Status: The preliminary site assessment and investigation (PSAI) has been completed and the final report was issued in July, 1987. Soil gas sampling was conducted in August, 1987. Implementation of the first Phase of the RI started June, 1988. The work to be completed in this Phase includes drilling, installation and sampling of ground water monitoring wells, drilling stratigraphic boreholes and aquifer testing. Data generated will be used to identify sources of contamination and potential RPs and to determine the direction of future work. The RWQCB has completed underground tank investigations at several locations in the study area.

61
South
1/2-1
0.795 mi.
4197 ft.

Relative:
Lower

Actual:
103 ft.

DAN & KATHY GREGORY
2295 WEST HEARN
SANTA ROSA, CA 93582

Notify 65 **S100179353**
N/A

NOTIFY 65:

62
West
1/2-1
0.797 mi.
4208 ft.

Relative:
Lower

Actual:
99 ft.

COGWHEEL SHOP
4025 SEBASTOPOL ROAD
SANTA ROSA, CA 95401

ENVIROSTOR **S101482600**
N/A

ENVIROSTOR:
Name: COGWHEEL SHOP
Address: 4025 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95401
Facility ID: 49510003
Status: Refer: RWQCB
Status Date: 07/21/2008
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 5
NPL: NO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COGWHEEL SHOP (Continued)

S101482600

Regulatory Agencies: RWQCB 1 - North Coast
Lead Agency: RWQCB 1 - North Coast
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 10
Senate: 02
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Latitude: 38.42604
Longitude: -122.7674
APN: 035-063-005
Past Use: UNKNOWN
Potential COC: * CONTAMINATED SOIL * UNSPECIFIED SOLVENT MIXTURES
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: TODD OFFICE SERVICE
Alias Type: Alternate Name
Alias Name: 035-063-005
Alias Type: APN
Alias Name: 49510003
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: * Discovery
Completed Date: 03/15/1988
Comments: FACILITY IDENTIFIED SONOMA CNTY EH - PAINT, STRIPPERS, REDUCERS, DUMPED IN BACK LOT

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Screening
Completed Date: 05/13/1988
Comments: SITE SCREENING DONE POSS ONSITE CONTAM

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Screening
Completed Date: 06/25/2008
Comments: The site was formerly an auto repair shop which operated in the 1960's. The building was demolished in 2001. Phase I and II Reports were completed which indicated that that the motor oil contamination in groundwater is limited in extent and that groundwater does not require further evaluation. There was no Agency oversight. The site will be referred to North Coast Regional Water Quality Board.

63
East
1/2-1
0.814 mi.
4299 ft.

NEW ROSELAND AREA ELEMENTARY SCHOOL
1683 BURBANK AVENUE
SANTA ROSA, CA 95407

ENVIROSTOR S107736874
SCH N/A

Relative:
Higher
Actual:
124 ft.

ENVIROSTOR:
Name: NEW ROSELAND AREA ELEMENTARY SCHOOL
Address: 1683 BURBANK AVENUE
City, State, Zip: SANTA ROSA, CA 95407
Facility ID: 70000113
Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW ROSELAND AREA ELEMENTARY SCHOOL (Continued)

S107736874

Status Date: 08/03/2012
Site Code: 204162
Site Type: School Cleanup
Site Type Detailed: School
Acres: 11.4
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jose Salcedo
Supervisor: Jose Salcedo
Division Branch: Northern California Schools & Santa Susana
Assembly: 10
Senate: 02
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 38.42215
Longitude: -122.7354
APN: 125-321-001
Past Use: AGRICULTURAL - ROW CROPS, RESIDENTIAL AREA
Potential COC: Under Investigation Arsenic DDD DDE DDT Lead Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: Polynuclear aromatic hydrocarbons (PAHs 30022-NO Under Investigation 30027-NO 30001-NO 30006-NO 30007-NO 30008-NO Lead
Potential Description: SED, SOIL, SV, SURFW
Alias Name: New Burbank Elementary School
Alias Type: Alternate Name
Alias Name: Roseland Elementary School
Alias Type: Alternate Name
Alias Name: 125-321-001
Alias Type: APN
Alias Name: New Burbank Elementary School
Alias Type: Former Project ID
Alias Name: 110033611731
Alias Type: EPA (FRS #)
Alias Name: 204162
Alias Type: Project Code (Site Code)
Alias Name: 70000113
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: Environmental Oversight Agreement
Completed Date: 09/12/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: Partial Site Approval
Completed Date: 09/21/2007
Comments: DTSC issued a partial site approval and approved CDE Form SFPD 4.15.

Completed Area Name: PROJECT WIDE
Completed Document Type: School Cleanup Agreement
Completed Date: 09/05/2007

Completed Area Name: PROJECT WIDE
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 03/09/2009
Comments: NOE for RAW approved.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW ROSELAND AREA ELEMENTARY SCHOOL (Continued)

S107736874

Completed Area Name: PROJECT WIDE
Completed Document Type: Correspondence
Completed Date: 08/07/2013
Comments: Signatory change on SCA.

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/06/2008
Comments: Site visit and agency meeting to discuss PAH issues in Roseland Creek. DTSC participants, M. Malinowski, N. Hutchison, D. Taylor. RWQCB participants, J. Short, C. Wright-Shacklett, C. Hunt. District representatives, Rosie Greco (District), I. Bennet and J. Granborg (District's school facilities consultants), R. Balas (District's environmental consultant).

Completed Area Name: PROJECT WIDE
Completed Document Type: Correspondence
Completed Date: 08/22/2012
Comments: DTSC reviewed the removal action documentation sent by Roseland School District and conducted a site visit on 8/21/2012 to confirm current site conditions. DTSC approved the school for occupancy pending completion of RAW activities and submittal and approval of a RACR.

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 06/16/2006
Comments: Approved the Workplan conditional on submittal of a work notice.

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/17/2007

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 06/29/2007
Comments: DTSC approved the SSI Workplan. Project manager gave verbal permission to District to implement SSI Workplan on 6/21/07.

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 04/07/2008
Comments: DTSC approved the SSI report with a further action determination for lead around the perimeters of two buildings and PAHs in sediments in Roseland Creek, next to Burbank Avenue.

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Workplan
Completed Date: 03/09/2009
Comments: RAW approved for implementation.

Completed Area Name: PROJECT WIDE
Completed Document Type: 4.15 Request
Completed Date: 09/21/2007
Comments: 4.15 Form and Partial Site Approval are uploaded under the "Partial Site Approval" activity.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW ROSELAND AREA ELEMENTARY SCHOOL (Continued)

S107736874

Completed Area Name: PROJECT WIDE
Completed Document Type: Fact Sheets
Completed Date: 10/31/2008
Comments: The DTSC public participation specialist sent the project manager a copy of the formatted Fact Sheet (minus the dates) for the Removal Action Workplan.

Completed Area Name: PROJECT WIDE
Completed Document Type: Community Profile
Completed Date: 08/29/2008
Comments: PPS sent a PDF of the Final Community Profile.

Completed Area Name: PROJECT WIDE
Completed Document Type: Public Notice
Completed Date: 10/27/2008
Comments: Final Public Notice completed and uploaded.

Schedule Area Name: PROJECT WIDE
Schedule Document Type: Removal Action Completion Report
Schedule Due Date: 10/30/2017

SCH:

Name: NEW ROSELAND AREA ELEMENTARY SCHOOL
Address: 1683 BURBANK AVENUE
City,State,Zip: SANTA ROSA, CA 95407
Facility ID: 70000113
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 11.4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Jose Salcedo
Supervisor: Jose Salcedo
Division Branch: Northern California Schools & Santa Susana
Site Code: 204162
Assembly: 10
Senate: 02
Status: Active
Status Date: 08/03/2012
Restricted Use: YES
Funding: School District
Latitude: 38.42215
Longitude: -122.7354
APN: 125-321-001
Past Use: AGRICULTURAL - ROW CROPS, RESIDENTIAL AREA
Potential COC: Under Investigation, Arsenic, DDD, DDE, DDT, Lead, Polynuclear aromatic hydrocarbons (PAHs, Tetrachloroethylene (PCE, Trichloroethylene (TCE
Confirmed COC: Polynuclear aromatic hydrocarbons (PAHs, 30022-NO, Under Investigation, 30027-NO, 30001-NO, 30006-NO, 30007-NO, 30008-NO, Lead
Potential Description: SED, SOIL, SV, SURFW
Alias Name: New Burbank Elementary School
Alias Type: Alternate Name

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW ROSELAND AREA ELEMENTARY SCHOOL (Continued)

S107736874

Alias Name: Roseland Elementary School
Alias Type: Alternate Name
Alias Name: 125-321-001
Alias Type: APN
Alias Name: New Burbank Elementary School
Alias Type: Former Project ID
Alias Name: 110033611731
Alias Type: EPA (FRS #)
Alias Name: 204162
Alias Type: Project Code (Site Code)
Alias Name: 70000113
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: Environmental Oversight Agreement
Completed Date: 09/12/2005

Completed Area Name: PROJECT WIDE
Completed Document Type: Partial Site Approval
Completed Date: 09/21/2007
Comments: DTSC issued a partial site approval and approved CDE Form SFPD 4.15.

Completed Area Name: PROJECT WIDE
Completed Document Type: School Cleanup Agreement
Completed Date: 09/05/2007

Completed Area Name: PROJECT WIDE
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 03/09/2009
Comments: NOE for RAW approved.

Completed Area Name: PROJECT WIDE
Completed Document Type: Correspondence
Completed Date: 08/07/2013
Comments: Signatory change on SCA.

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/06/2008
Comments: Site visit and agency meeting to discuss PAH issues in Roseland Creek. DTSC participants, M. Malinowski, N. Hutchison, D. Taylor. RWQCB participants, J. Short, C. Wright-Shacklett, C. Hunt. District representatives, Rosie Greco (District), I. Bennet and J. Granborg (District's school facilities consultants), R. Balas (District's environmental consultant).

Completed Area Name: PROJECT WIDE
Completed Document Type: Correspondence
Completed Date: 08/22/2012
Comments: DTSC reviewed the removal action documentation sent by Roseland School District and conducted a site visit on 8/21/2012 to confirm current site conditions. DTSC approved the school for occupancy pending completion of RAW activities and submittal and approval of a RACR.

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW ROSELAND AREA ELEMENTARY SCHOOL (Continued)

S107736874

Completed Date: 06/16/2006
Comments: Approved the Workplan conditional on submittal of a work notice.

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/17/2007

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 06/29/2007
Comments: DTSC approved the SSI Workplan. Project manager gave verbal permission to District to implement SSI Workplan on 6/21/07.

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 04/07/2008
Comments: DTSC approved the SSI report with a further action determination for lead around the perimeters of two buildings and PAHs in sediments in Roseland Creek, next to Burbank Avenue.

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Workplan
Completed Date: 03/09/2009
Comments: RAW approved for implementation.

Completed Area Name: PROJECT WIDE
Completed Document Type: 4.15 Request
Completed Date: 09/21/2007
Comments: 4.15 Form and Partial Site Approval are uploaded under the "Partial Site Approval" activity.

Completed Area Name: PROJECT WIDE
Completed Document Type: Fact Sheets
Completed Date: 10/31/2008
Comments: The DTSC public participation specialist sent the project manager a copy of the formatted Fact Sheet (minus the dates) for the Removal Action Workplan.

Completed Area Name: PROJECT WIDE
Completed Document Type: Community Profile
Completed Date: 08/29/2008
Comments: PPS sent a PDF of the Final Community Profile.

Completed Area Name: PROJECT WIDE
Completed Document Type: Public Notice
Completed Date: 10/27/2008
Comments: Final Public Notice completed and uploaded.

Schedule Area Name: PROJECT WIDE
Schedule Document Type: Removal Action Completion Report
Schedule Due Date: 10/30/2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

64
West
1/2-1
0.860 mi.
4540 ft.

SOUTH WRIGHT ROAD ELEMENTARY SCHOOL
950 S. WRIGHT ROAD
SANTA ROSA, CA 95407

ENVIROSTOR
SCH **S109435215**
N/A

Relative:
Lower

ENVIROSTOR:

Actual:
97 ft.

Name: SOUTH WRIGHT ROAD ELEMENTARY SCHOOL
Address: 950 S. WRIGHT ROAD
City,State,Zip: SANTA ROSA, CA 95407
Facility ID: 60000678
Status: Certified
Status Date: 01/04/2010
Site Code: 204205
Site Type: School Cleanup
Site Type Detailed: School
Acres: 9.49
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Mary Gaspari
Supervisor: Mark Malinowski
Division Branch: Northern California Schools & Santa Susana
Assembly: 10
Senate: 02
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 38.42243
Longitude: -122.7680
APN: 035-093-043
Past Use: AGRICULTURAL - LIVESTOCK, RESIDENTIAL AREA, SCHOOL - MIDDLE,
UNDERGROUND STORAGE TANKS
Potential COC: Arsenic Benzene Chlordane Lead Methane Naturally Occurring Asbestos
(NOA Polychlorinated biphenyls (PCBs Polynuclear aromatic
hydrocarbons (PAHs TPH-gas
Confirmed COC: 30001-NO 30003-NO 30004-NO 30019-NO 30025-NO 30018-NO 40002-NO
30013-NO 30015-NO No Contaminants found
Potential Description: OTH, SOIL, SV
Alias Name: SRCS Property School Site
Alias Type: Alternate Name
Alias Name: Santa Rosa Christian School
Alias Type: Alternate Name
Alias Name: 035-093-043
Alias Type: APN
Alias Name: 204205
Alias Type: Project Code (Site Code)
Alias Name: 60000678
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: Environmental Oversight Agreement
Completed Date: 10/24/2007

Completed Area Name: PROJECT WIDE
Completed Document Type: School Cleanup Agreement
Completed Date: 11/10/2008
Comments: DTSC entered into a SCA with the School District to develop, and
implement a Supplemental Site Investigation and Removal Action

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH WRIGHT ROAD ELEMENTARY SCHOOL (Continued)

S109435215

Workplan, if needed, under the oversight of DTSC. Sent signed SCA to District.

Completed Area Name: PROJECT WIDE
Completed Document Type: Correspondence
Completed Date: 05/01/2009
Comments: DTSC updated the Schools Cleanup Agreement cost estimate

Completed Area Name: PROJECT WIDE
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 09/16/2009
Comments: RAW public comment period closed 9/11/2009. PM signed NOE on 9/16/2009 and on 9/16/2009 sent PDF copy of the final NOE to the Office of Planning and Environmental Analysis (OPEA) (Guenther Moskat) for filing with the Governor's Office of Planning and Research (OPR). DTSC approved the RAW as final and included a final copy of the NOE.

Completed Area Name: PROJECT WIDE
Completed Document Type: Certification
Completed Date: 01/20/2010
Comments: Approved the Certification package.

Completed Area Name: PROJECT WIDE
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/28/2010
Comments: DTSC sent a CRU to the accounting unit to summarize costs associated with the RACR

Completed Area Name: PROJECT WIDE
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/25/2012
Comments: Site was re-opened to collect unbilled charges to the District. After receipt of payment from District, a new CRU was developed to close the site.

Completed Area Name: PROJECT WIDE
Completed Document Type: Phase 1
Completed Date: 08/06/2007
Comments: Following a comprehensive review of the Phase 1, DTSC issued a determination of "PEA Required." Additionally, the Phase 1 was determined to be incomplete. Responses to address the comments are to be made in the PEA Workplan.

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/21/2008
Comments: DTSC approved the PEA WP Contingent on DTSC helping with the risk process before the PEA report.

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/05/2009
Comments: DTSC Approved Final PEA Report for Further Action for lead impacted soils around the north and west sides of Building R7; arsenic around the southwest corner of former Building D; and metals and TPH in groundwater associated with the past TPH odor area.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH WRIGHT ROAD ELEMENTARY SCHOOL (Continued)

S109435215

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Workplan
Completed Date: 09/16/2009
Comments: After close of the public comment period, DTSC approved the removal action workplan and the notice of exemption was filed with the Office of Planning and Research.

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 12/09/2008
Comments: DTSC sent Contingent Approval letter of the SSI Tech Memo. The contingency is if groundwater needs to be sampled for hexavalent chromium then the following information is to be provided to DTSC: sample holding times, analytical detection limits, analytical method, and what sample containers that will be used for the sampling.

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 06/01/2009
Comments: DTSC Approved the Supplemental Site Investigation Report with a response action needed

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 01/23/2009
Comments: DTSC approved the Addendum to the SSI Tech Memo for delineation of the lead impacted soil around the north side of Building R7.

Completed Area Name: PROJECT WIDE
Completed Document Type: 4.14 Request
Completed Date: 03/24/2009
Comments: Approved SFPD Form 4.14. Lead based paint is only issue on site.

Completed Area Name: PROJECT WIDE
Completed Document Type: Fact Sheets
Completed Date: 07/30/2009
Comments: The Fact Sheet will be mailed out by the District. The State is having budget issues and is unable to mail them. The fact sheet is to be mailed on or before 8/10/2009. RAW public comment period is August 12 to September 11, 2009.

Completed Area Name: PROJECT WIDE
Completed Document Type: Community Profile
Completed Date: 08/05/2009
Comments: Final Community Profile completed.

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Completion Report
Completed Date: 01/04/2010
Comments: DTSC approved the RACR and issue a RACR approval and site certification letter.

SCH:

Name: SOUTH WRIGHT ROAD ELEMENTARY SCHOOL
Address: 950 S. WRIGHT ROAD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH WRIGHT ROAD ELEMENTARY SCHOOL (Continued)

S109435215

City,State,Zip: SANTA ROSA, CA 95407
Facility ID: 60000678
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 9.49
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Mary Gaspari
Supervisor: Mark Malinowski
Division Branch: Northern California Schools & Santa Susana
Site Code: 204205
Assembly: 10
Senate: 02
Status: Certified
Status Date: 01/04/2010
Restricted Use: NO
Funding: School District
Latitude: 38.42243
Longitude: -122.7680
APN: 035-093-043
Past Use: AGRICULTURAL - LIVESTOCK, RESIDENTIAL AREA, SCHOOL - MIDDLE, UNDERGROUND STORAGE TANKS
Potential COC: Arsenic, Arsenic, Benzene, Chlordane, Lead, Methane, Naturally Occurring Asbestos (NOA, Polychlorinated biphenyls (PCBs, Polynuclear aromatic hydrocarbons (PAHs, TPH-gas
Confirmed COC: 30001-NO, 30003-NO, 30004-NO, 30019-NO, 30025-NO, 30018-NO, 40002-NO, 30013-NO, 30015-NO, No Contaminants found
Potential Description: OTH, SOIL, SV
Alias Name: SRCS Property School Site
Alias Type: Alternate Name
Alias Name: Santa Rosa Christian School
Alias Type: Alternate Name
Alias Name: 035-093-043
Alias Type: APN
Alias Name: 204205
Alias Type: Project Code (Site Code)
Alias Name: 60000678
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: Environmental Oversight Agreement
Completed Date: 10/24/2007
Completed Area Name: PROJECT WIDE
Completed Document Type: School Cleanup Agreement
Completed Date: 11/10/2008
Comments: DTSC entered into a SCA with the School District to develop, and implement a Supplemental Site Investigation and Removal Action Workplan,if needed, under the oversight of DTSC. Sent signed SCA to District.
Completed Area Name: PROJECT WIDE
Completed Document Type: Correspondence
Completed Date: 05/01/2009

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH WRIGHT ROAD ELEMENTARY SCHOOL (Continued)

S109435215

Comments: DTSC updated the Schools Cleanup Agreement cost estimate

Completed Area Name: PROJECT WIDE
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 09/16/2009
Comments: RAW public comment period closed 9/11/2009. PM signed NOE on 9/16/2009 and on 9/16/2009 sent PDF copy of the final NOE to the Office of Planning and Environmental Analysis (OPEA) (Guenther Moskat) for filing with the Governor's Office of Planning and Research (OPR). DTSC approved the RAW as final and included a final copy of the NOE.

Completed Area Name: PROJECT WIDE
Completed Document Type: Certification
Completed Date: 01/20/2010
Comments: Approved the Certification package.

Completed Area Name: PROJECT WIDE
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/28/2010
Comments: DTSC sent a CRU to the accounting unit to summarize costs associated with the RACR

Completed Area Name: PROJECT WIDE
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/25/2012
Comments: Site was re-opened to collect unbilled charges to the District. After receipt of payment from District, a new CRU was developed to close the site.

Completed Area Name: PROJECT WIDE
Completed Document Type: Phase 1
Completed Date: 08/06/2007
Comments: Following a comprehensive review of the Phase 1, DTSC issued a determination of "PEA Required." Additionally, the Phase 1 was determined to be incomplete. Responses to address the comments are to be made in the PEA Workplan.

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/21/2008
Comments: DTSC approved the PEA WP Contingent on DTSC helping with the risk process before the PEA report.

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/05/2009
Comments: DTSC Approved Final PEA Report for Further Action for lead impacted soils around the north and west sides of Building R7; arsenic around the southwest corner of former Building D; and metals and TPH in groundwater associated with the past TPH odor area.

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Workplan
Completed Date: 09/16/2009
Comments: After close of the public comment period, DTSC approved the removal action workplan and the notice of exemption was filed with the Office

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH WRIGHT ROAD ELEMENTARY SCHOOL (Continued)

S109435215

of Planning and Research.

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 12/09/2008
Comments: DTSC sent Contingent Approval letter of the SSI Tech Memo. The contingency is if groundwater needs to be sampled for hexavalent chromium then the following inform is to be provided to DTSC: sample holding times, analytical detection limits, analytical method, and what sample containers that will be used for the sampling.

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 06/01/2009
Comments: DTSC Approved the Supplemental Site Investigation Report with a response action needed

Completed Area Name: PROJECT WIDE
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 01/23/2009
Comments: DTSC approved the Addendum to the SSI Tech Memo for delineation of the lead impacted soil around the north side of Building R7.

Completed Area Name: PROJECT WIDE
Completed Document Type: 4.14 Request
Completed Date: 03/24/2009
Comments: Approved SFPD Form 4.14. Lead based paint is only issue on site.

Completed Area Name: PROJECT WIDE
Completed Document Type: Fact Sheets
Completed Date: 07/30/2009
Comments: The Fact Sheet will be mailed out by the District. The State is having budget issues and is unable to mail them. The fact sheet is to be mailed on or before 8/10/2009. RAW public comment period is August 12 to September 11, 2009.

Completed Area Name: PROJECT WIDE
Completed Document Type: Community Profile
Completed Date: 08/05/2009
Comments: Final Community Profile completed.

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Completion Report
Completed Date: 01/04/2010
Comments: DTSC approved the RACR and issue a RACR approval and site certification letter.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

65
WSW
1/2-1
0.897 mi.
4736 ft.

NAVAL AUXILIARY AIR STATION, SANTA ROSA (J09CA1150)
FINLEY AVENUE AND WRIGHT ROAD
SANTA ROSA, CA 95407

ENVIROSTOR

S101661345
N/A

Relative:
Lower

ENVIROSTOR:

Actual:
96 ft.

Name: NAVAL AUXILIARY AIR STATION, SANTA ROSA (J09CA1150)
Address: FINLEY AVENUE AND WRIGHT ROAD
City,State,Zip: SANTA ROSA, CA 95407
Facility ID: 49450002
Status: Refer: RWQCB
Status Date: 07/22/1997
Site Code: 200587
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 1589
NPL: NO
Regulatory Agencies: RWQCB 1 - North Coast
Lead Agency: RWQCB 1 - North Coast
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Sacramento
Assembly: 10
Senate: 02
Special Program: DSMOA
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 38.41972
Longitude: -122.7686
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: SANTA ROSA AIR CENTER
Alias Type: Alternate Name
Alias Name: T0609700382
Alias Type: GeoTracker Global ID
Alias Name: T060970146
Alias Type: GeoTracker Global ID
Alias Name: T060970232
Alias Type: GeoTracker Global ID
Alias Name: T060970949
Alias Type: GeoTracker Global ID
Alias Name: T060972199
Alias Type: GeoTracker Global ID
Alias Name: T060972349
Alias Type: GeoTracker Global ID
Alias Name: T060973337
Alias Type: GeoTracker Global ID
Alias Name: T060973399
Alias Type: GeoTracker Global ID
Alias Name: T060973652
Alias Type: GeoTracker Global ID
Alias Name: T060976070
Alias Type: GeoTracker Global ID
Alias Name: T060976346
Alias Type: GeoTracker Global ID

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL AUXILIARY AIR STATION, SANTA ROSA (J09CA1150) (Continued)

S101661345

Alias Name: T060977470
Alias Type: GeoTracker Global ID
Alias Name: T060977939
Alias Type: GeoTracker Global ID
Alias Name: T0609791165
Alias Type: GeoTracker Global ID
Alias Name: J09CA1150
Alias Type: INPR
Alias Name: 200587
Alias Type: Project Code (Site Code)
Alias Name: 49450002
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: * Discovery
Completed Date: 03/17/1988
Comments: FACILITY IDENTIFIED DHS-SSP DRIVE BY INSPECTION FACILITY DRIVE-BY
ABANDONED BLDGS, OLD FOUNDATIONS, SUMP W OILY SUBSTANCE, OLD PIPELINE

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/24/1996

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Screening
Completed Date: 04/22/1988
Comments: SITE SCREENING DONE POTENTIAL HAZ WASTE DISPOSAL ONSITE. SITE IS
FORMER MILITARY AIRFIELD

66
SE
1/2-1
0.898 mi.
4739 ft.

**REDWOOD CHEMICAL
2450 STONEY POINT ROAD
SANTA ROSA, CA 95407**

**ENVIROSTOR 1000592019
N/A**

**Relative:
Higher**

ENVIROSTOR:

**Actual:
115 ft.**

Name: REDWOOD CHEMICAL
Address: 2450 STONEY POINT ROAD
City,State,Zip: SANTA ROSA, CA 95407
Facility ID: 49280008
Status: Refer: Local Agency
Status Date: 03/25/2008
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1
NPL: NO
Regulatory Agencies: CITY OF SANTA ROSA
Lead Agency: CITY OF SANTA ROSA
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 10
Senate: 02
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDWOOD CHEMICAL (Continued)

1000592019

Latitude: 38.41388
Longitude: -122.7379
APN: 125-521-009, 125-521-010
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: BUDS MANUFACTURING COMPANY
Alias Type: Alternate Name
Alias Name: 125-521-009
Alias Type: APN
Alias Name: 125-521-010
Alias Type: APN
Alias Name: 49280008
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: * Discovery
Completed Date: 02/23/1988
Comments: FACILITY IDENTIFIED RWQCB COMPLAINT 3/13/80 - DISCH TO DITCH

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Screening
Completed Date: 04/25/1988
Comments: SITE SCREENING DONE POSS ONITE CONTAM

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Screening
Completed Date: 03/25/2008
Comments: Investigations and cleanup were conducted and a No Further Action
leter was issued by the Santa Rosa Fire Dept. on May 26, 1998.

67
West
1/2-1
0.909 mi.
4800 ft.

NONE

4129 SEBASTOPAL
SANTA ROSA, CA 93582

Notify 65 S100179257
N/A

Relative:
Lower

NOTIFY 65:

Actual:
97 ft.

68
ENE
1/2-1
0.912 mi.
4817 ft.

S. S. SKIKOS TRUCKING & DISTRIBUTION
1289 SEBASTOPOL RD
SANTA ROSA, CA 95407

LUST S104164497
AST N/A
CERS TANKS
CUPA Listings
HIST CORTESE
Notify 65
CERS

Relative:
Higher

Actual:
135 ft.

LUST:

Name: SLAKEY BROTHERS
Address: 1289 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S. S. SKIKOS TRUCKING & DISTRIBUTION (Continued)

S104164497

Lead Agency: NORTH COAST RWQCB (REGION 1)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700022
Global Id: T0609700022
Latitude: 38.429220433
Longitude: -122.7341628
Status: Completed - Case Closed
Status Date: 03/21/2014
Case Worker: ZZZ
RB Case Number: 1TSO030
Local Agency: SONOMA COUNTY LOP
File Location: Regional Board
Local Case Number: 00001932
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Former UST location identified as a source of contamination.
Groundwater impacted with petroleum hydrocarbons. Plume is stable and localized.

LUST:

Global Id: T0609700022
Contact Type: Regional Board Caseworker
Contact Name: REGIONAL WATER BOARD SITE CLOSED
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: craig.hunt@waterboards.ca.gov
Phone Number: 7075762220

LUST:

Global Id: T0609700022
Action Type: ENFORCEMENT
Date: 07/08/2009
Action: Staff Letter

Global Id: T0609700022
Action Type: ENFORCEMENT
Date: 01/23/2014
Action: Staff Letter

Global Id: T0609700022
Action Type: ENFORCEMENT
Date: 11/05/2013
Action: Notification - Preclosure

Global Id: T0609700022
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0609700022
Action Type: ENFORCEMENT
Date: 08/17/2001
Action: Staff Letter

Global Id: T0609700022
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S. S. SKIKOS TRUCKING & DISTRIBUTION (Continued)

S104164497

Date:	10/07/2009
Action:	File review
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	08/06/2012
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	03/09/2009
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	09/23/2013
Action:	Verbal Enforcement
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	01/14/2011
Action:	File review
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	03/21/2014
Action:	Closure/No Further Action Letter
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	04/08/2014
Action:	Rescission of Enforcement Action
Global Id:	T0609700022
Action Type:	Other
Date:	08/13/1986
Action:	Leak Discovery
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	08/18/2001
Action:	* No Action
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	03/22/2005
Action:	Staff Letter
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	10/26/2005
Action:	Meeting
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	11/02/2005
Action:	Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S. S. SKIKOS TRUCKING & DISTRIBUTION (Continued)

S104164497

Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	01/24/2011
Action:	Staff Letter
Global Id:	T0609700022
Action Type:	RESPONSE
Date:	12/28/2001
Action:	Monitoring Report - Quarterly
Global Id:	T0609700022
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	07/22/2005
Action:	Meeting
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	05/10/2006
Action:	Notification - Public Notice of ROD/RAP/CAP
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	07/05/2006
Action:	Staff Letter
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	03/02/2010
Action:	Staff Letter
Global Id:	T0609700022
Action Type:	RESPONSE
Date:	04/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	08/22/2006
Action:	Staff Letter
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	01/16/2008
Action:	Staff Letter
Global Id:	T0609700022
Action Type:	Other
Date:	08/13/1986
Action:	Leak Stopped
Global Id:	T0609700022
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S. S. SKIKOS TRUCKING & DISTRIBUTION (Continued)

S104164497

Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0609700022
Action Type: RESPONSE
Date: 12/07/2007
Action: Remedial Progress Report

Global Id: T0609700022
Action Type: RESPONSE
Date: 02/02/2006
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0609700022
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0609700022
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0609700022
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0609700022
Action Type: RESPONSE
Date: 07/09/2012
Action: Corrective Action Plan / Remedial Action Plan - Addendum

Global Id: T0609700022
Action Type: RESPONSE
Date: 05/24/2012
Action: Other Report / Document - Regulator Responded

Global Id: T0609700022
Action Type: RESPONSE
Date: 07/16/2012
Action: Other Report / Document - Regulator Responded

Global Id: T0609700022
Action Type: RESPONSE
Date: 09/24/2013
Action: Request for Closure - Regulator Responded

Global Id: T0609700022
Action Type: RESPONSE
Date: 01/07/2014
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0609700022
Action Type: REMEDIATION
Date: 08/16/2007
Action: Excavation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S. S. SKIKOS TRUCKING & DISTRIBUTION (Continued)

S104164497

Global Id:	T0609700022
Action Type:	REMEDIATION
Date:	07/30/1986
Action:	Excavation
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	01/09/2008
Action:	Verbal Communication
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	04/02/2008
Action:	Verbal Communication
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	05/30/2007
Action:	Staff Letter
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	03/12/2012
Action:	File review
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	04/09/2012
Action:	Staff Letter
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	09/24/2012
Action:	Notification - Proposition 65
Global Id:	T0609700022
Action Type:	RESPONSE
Date:	06/05/2006
Action:	Other Report / Document
Global Id:	T0609700022
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0609700022
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0609700022
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0609700022
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S. S. SKIKOS TRUCKING & DISTRIBUTION (Continued)

S104164497

Date:	08/21/2012
Action:	Soil and Water Investigation Report
Global Id:	T0609700022
Action Type:	RESPONSE
Date:	08/21/2012
Action:	Sensitive Receptor Survey Report
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	09/02/1988
Action:	* Historical Enforcement
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	06/08/2012
Action:	Verbal Enforcement
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	10/09/2012
Action:	Staff Letter
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	05/08/2012
Action:	Verbal Enforcement
Global Id:	T0609700022
Action Type:	ENFORCEMENT
Date:	10/18/2013
Action:	File Review - Closure
Global Id:	T0609700022
Action Type:	Other
Date:	08/13/1986
Action:	Leak Reported
Global Id:	T0609700022
Action Type:	RESPONSE
Date:	08/15/2006
Action:	CAP/RAP - Final Remediation / Design Plan
Global Id:	T0609700022
Action Type:	RESPONSE
Date:	07/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0609700022
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0609700022
Action Type:	RESPONSE
Date:	03/01/2013
Action:	Soil and Water Investigation Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S. S. SKIKOS TRUCKING & DISTRIBUTION (Continued)

S104164497

Global Id: T0609700022
Action Type: RESPONSE
Date: 12/09/2012
Action: Sensitive Receptor Survey Report

Global Id: T0609700022
Action Type: ENFORCEMENT
Date: 11/05/2013
Action: Staff Letter

Global Id: T0609700022
Action Type: ENFORCEMENT
Date: 09/24/2012
Action: Notification - Proposition 65

Global Id: T0609700022
Action Type: ENFORCEMENT
Date: 05/25/2012
Action: Staff Letter

Global Id: T0609700022
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0609700022
Action Type: RESPONSE
Date: 04/30/2007
Action: Other Workplan

Global Id: T0609700022
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0609700022
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0609700022
Action Type: RESPONSE
Date: 01/06/2014
Action: Well Destruction Workplan

Global Id: T0609700022
Action Type: RESPONSE
Date: 12/05/2013
Action: Other Report / Document

Global Id: T0609700022
Action Type: RESPONSE
Date: 01/06/2014
Action: Other Report / Document

Global Id: T0609700022
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S. S. SKIKOS TRUCKING & DISTRIBUTION (Continued)

S104164497

Date: 01/06/2014
Action: Other Report / Document

Global Id: T0609700022
Action Type: ENFORCEMENT
Date: 12/04/2008
Action: Staff Letter

Global Id: T0609700022
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0609700022
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0609700022
Action Type: RESPONSE
Date: 02/16/2008
Action: Remedial Progress Report

LUST:

Global Id: T0609700022
Status: Open - Case Begin Date
Status Date: 08/13/1986

Global Id: T0609700022
Status: Open - Site Assessment
Status Date: 09/02/1987

Global Id: T0609700022
Status: Open - Site Assessment
Status Date: 03/15/1991

Global Id: T0609700022
Status: Open - Site Assessment
Status Date: 07/31/1991

Global Id: T0609700022
Status: Open - Site Assessment
Status Date: 04/14/1997

Global Id: T0609700022
Status: Open - Site Assessment
Status Date: 09/26/2001

Global Id: T0609700022
Status: Open - Remediation
Status Date: 07/24/2006

Global Id: T0609700022
Status: Open - Remediation
Status Date: 12/07/2007

Global Id: T0609700022

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S. S. SKIKOS TRUCKING & DISTRIBUTION (Continued)

S104164497

Status: Open - Eligible for Closure
Status Date: 01/13/2014

Global Id: T0609700022
Status: Completed - Case Closed
Status Date: 03/21/2014

LUST REG 1:

Region: 1
Facility ID: 1TSO030
Staff Initials: WTE

AST:

Name: S. S. SKIKOS TRUCKING & DISTRIBUTION
Address: 1289 SEBASTOPOL RD
City/Zip: SANTA ROSA,95407
Owner: Mr. Shad Skikos
CERSID: 10102354
Facility ID: 49-000-001784
Business Name: S. S. Skikos Trucking & Distribution
Phone: 7075753000
Operator Name: S.S. Skikos Trucking & Distribution
Operator Phone: 7075753000
Owner Phone: 7075753000
Owner State: CA
Owner Zip Code: 95407
Owner Country: United States

CERS TANKS:

Name: S. S. SKIKOS TRUCKING & DISTRIBUTION
Address: 1289 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 63669
CERS ID: 10102354
CERS Description: Aboveground Petroleum Storage

Violations:

Site ID: 63669
Site Name: S. S. Skikos Trucking & Distribution
Violation Date: 05-01-2015
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 12/21/2016. Establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Division: Sonoma County Fire & Emergency Services Department
Violation Program: HMRRP
Violation Source: CERS
Site ID: 63669
Site Name: S. S. Skikos Trucking & Distribution

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S. S. SKIKOS TRUCKING & DISTRIBUTION (Continued)

S104164497

Violation Date: 05-01-2015
Citation: HSC 6.67 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(2)
Violation Description: Failure to submit a Tank Facility Statement or Business Plan.
Violation Notes: Returned to compliance on 12/21/2016. No HMBP in CERS - no tank statement. Submit complete HMBP in CERS to comply with tank statement requirement in hazardous materials inventory reporting.
Violation Division: Sonoma County Fire & Emergency Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 63669
Site Name: S. S. Skikos Trucking & Distribution
Violation Date: 05-01-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 12/21/2016. Submitted HMBP to CERS
Violation Division: Sonoma County Fire & Emergency Services Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-01-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Sonoma County Fire & Emergency Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-01-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: PE certified SPCC Plan has been implemented. Facility is clean and well organized. Reviewed SPCC Plan and inspection and training records.
Eval Division: Sonoma County Fire & Emergency Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-01-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Well organized, clean - reviewed training plans, walked facility. No longer generates hazardous waste through vehicle maintenance activities - vendor supplied.
Eval Division: Sonoma County Fire & Emergency Services Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S. S. SKIKOS TRUCKING & DISTRIBUTION (Continued)

S104164497

Site ID: 63669
Facility Name: S. S. Skikos Trucking & Distribution
Env Int Type Code: HMBP
Program ID: 10102354
Ref Point Type Desc: Unknown
Latitude: 38.429134
Longitude: -122.734329

Affiliation:

Affiliation Type Desc: Property Owner
Entity Name: Pete Skikos
Affiliation Address: 1289 Sebastopol Rd.
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (707) 575-3000

Affiliation Type Desc: Identification Signer
Entity Name: Shad Skikos
Entity Title: Vice President

Affiliation Type Desc: Legal Owner
Entity Name: Shad Skikos
Affiliation Address: 1289 Sebastopol Rd.
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (707) 575-3000

Affiliation Type Desc: Document Preparer
Entity Name: Kelly Brown

Affiliation Type Desc: Environmental Contact
Entity Name: S.S. Skikos Trucking & Distribution
Affiliation Address: 1289 Sebastopol Rd.
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 1289 Sebastopol Rd.
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Parent Corporation
Entity Name: S. S. Skikos Trucking & Distribution

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S. S. SKIKOS TRUCKING & DISTRIBUTION (Continued)

S104164497

Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Operator
Entity Name: S.S. Skikos Trucking & Distribution
Affiliation Phone: (707) 575-3000

CUPA SONOMA:

Name: S. S. SKIKOS TRUCKING & DISTRIBUTION
Add1: 1289 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
Facility ID: 49-000-001784
Type: HMBP
Fee Schedule: Range 5
CERS ID: 10102354
Expiration Date: 06/20/2020

Name: S. S. SKIKOS TRUCKING & DISTRIBUTION
Add1: 1289 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
Facility ID: 49-000-001784
Type: Hazardous Waste
CERS ID: 10102354
Expiration Date: 07/06/2012

Name: S. S. SKIKOS TRUCKING & DISTRIBUTION
Add1: 1289 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
Facility ID: 49-000-001784
Type: APSA
Fee Schedule: Tier 3 Facility (> 1320 gallons, > 10000 gallons)
CERS ID: 10102354
Expiration Date: 06/20/2020

HIST CORTESE:

edr_fname: SLAKEY BROTHERS
edr_fadd1: 1289 SEBASTOPOL
City,State,Zip: SANTA ROSA, CA 95407
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSO030

NOTIFY 65:

CERS:

Name: SLAKEY BROTHERS
Address: 1289 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 206197
CERS ID: T0609700022
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: REGIONAL WATER BOARD SITE CLOSED - NORTH COAST RWQCB (REGION 1)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S. S. SKIKOS TRUCKING & DISTRIBUTION (Continued)

S104164497

Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075762220

Name: SLAKEY BROTHERS
Address: 1289 SEBASTOPOL
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 327177
CERS ID: 257402
CERS Description: Tanks & Ground Water Clean Up

Violations:
Site ID: 327177
Site Name: Slakey Brothers
Violation Date: 11-05-1999
Citation: California Water Code
Violation Notes: FAILURE TO SUBMIT MONITORING REPORT IN A TIMELY MANNER
Violation Division: Water Boards
Violation Program: UST
Violation Source: CIWQS

Name: S. S. SKIKOS TRUCKING & DISTRIBUTION
Address: 1289 SEBASTOPOL RD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 63669
CERS ID: 10102354
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 63669
Site Name: S. S. Skikos Trucking & Distribution
Violation Date: 05-01-2015
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 12/21/2016. Establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Division: Sonoma County Fire & Emergency Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 63669
Site Name: S. S. Skikos Trucking & Distribution
Violation Date: 05-01-2015
Citation: HSC 6.67 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(2)
Violation Description: Failure to submit a Tank Facility Statement or Business Plan.
Violation Notes: Returned to compliance on 12/21/2016. No HMBP in CERS - no tank statement. Submit complete HMBP in CERS to comply with tank statement requirement in hazardous materials inventory reporting.
Violation Division: Sonoma County Fire & Emergency Services Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S. S. SKIKOS TRUCKING & DISTRIBUTION (Continued)

S104164497

Violation Program: APSA
Violation Source: CERS

Site ID: 63669
Site Name: S. S. Skikos Trucking & Distribution
Violation Date: 05-01-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 12/21/2016. Submitted HMBP to CERS
Violation Division: Sonoma County Fire & Emergency Services Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-01-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Division: Sonoma County Fire & Emergency Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-01-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: PE certified SPCC Plan has been implemented. Facility is clean and well organized. Reviewed SPCC Plan and inspection and training records.
Eval Division: Sonoma County Fire & Emergency Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-01-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Well organized, clean - reviewed training plans, walked facility. No longer generates hazardous waste through vehicle maintenance activities - vendor supplied.
Eval Division: Sonoma County Fire & Emergency Services Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:

Site ID: 63669
Facility Name: S. S. Skikos Trucking & Distribution
Env Int Type Code: HMBP
Program ID: 10102354
Ref Point Type Desc: Unknown
Latitude: 38.429134
Longitude: -122.734329

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S. S. SKIKOS TRUCKING & DISTRIBUTION (Continued)

S104164497

Affiliation:

Affiliation Type Desc: Property Owner
Entity Name: Pete Skikos
Affiliation Address: 1289 Sebastopol Rd.
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (707) 575-3000

Affiliation Type Desc: Identification Signer
Entity Name: Shad Skikos
Entity Title: Vice President

Affiliation Type Desc: Legal Owner
Entity Name: Shad Skikos
Affiliation Address: 1289 Sebastopol Rd.
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95407
Affiliation Phone: (707) 575-3000

Affiliation Type Desc: Document Preparer
Entity Name: Kelly Brown

Affiliation Type Desc: Environmental Contact
Entity Name: S.S. Skikos Trucking & Distribution
Affiliation Address: 1289 Sebastopol Rd.
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 1289 Sebastopol Rd.
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407

Affiliation Type Desc: Parent Corporation
Entity Name: S. S. Skikos Trucking & Distribution

Affiliation Type Desc: CUPA District
Entity Name: Santa Rosa Fire Dept
Affiliation Address: 2373 Circadian Way
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Zip: 95407
Affiliation Phone: (707) 543-3500

Affiliation Type Desc: Operator
Entity Name: S.S. Skikos Trucking & Distribution
Affiliation Phone: (707) 575-3000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

69
ENE
1/2-1
0.971 mi.
5125 ft.

TAYLOR BUS COMPANY
1175 SEBASTOPOL ROAD
SANTA ROSA, CA 95407

ENVIROSTOR
LUST
Cortese
HIST CORTESE
CERS

S104163223
N/A

Relative:
Higher

Actual:
136 ft.

ENVIROSTOR:

Name: S.W. BROWN
Address: 1175 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95401
Facility ID: 49500003
Status: Refer: RWQCB
Status Date: 09/27/1993
Site Type: Historical
Site Type Detailed: * Historical
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Berkeley
Assembly: 10
Senate: 02
Special Program: * Rural County Survey Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Latitude: 38.42956
Longitude: -122.7334
APN: 125-091-030
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 125-091-030
Alias Type: APN
Alias Name: 49500003
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: * Discovery
Completed Date: 02/15/1988
Comments: FACILITY IDENTIFIED SONOMA COUNTY EH - JUNK AUTO WET CELL BATTERIES
BURIED AT SITE, VISIBLE CONTAMINATION 10' X 30'

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Screening
Completed Date: 04/22/1988
Comments: SITE SCREENING DONE POTENTIAL ONSITE CONTAM

LUST:

Name: TAYLOR BUS COMPANY
Address: 1175 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Lead Agency: NORTH COAST RWQCB (REGION 1)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700202
Global Id: T0609700202
Latitude: 38.429348228

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TAYLOR BUS COMPANY (Continued)

S104163223

Longitude: -122.7332258
Status: Open - Remediation
Status Date: 04/10/2014
Case Worker: TNM
RB Case Number: 1TSO271
Local Agency: SONOMA COUNTY
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Benzene, Other Chlorinated Hydrocarbons, Toluene, Xylene, Lead, Diesel, MTBE / TBA / Other Fuel Oxygenates, Gasoline
Site History: This site is a former wholesale fuel delivery and bus maintenance shop, and currently maintains and stores commercial vehicles. There were several above ground storage tanks (ASTs) installed in the 1940s, which are no longer on-site. In 1950 six fuel underground storage tanks (USTs) were installed, and removed in 1985. Contamination was reported in 1988. In 2001, a kerosene UST was also removed. Cleanup activities have included removing 7,800 cubic yards of fuel impacted soil, pumping out 1.3 million gallons of impacted groundwater, and the short-term use of both dual-phase extraction (DPE), and high-vacuum DPE (HVDPE) systems to remove several hundred pounds of fuel constituents. There are currently six monitoring wells (irregularly monitored since 1990) and 5 extraction wells both on- and off-site. A HVDPE system is planned for the site, and short term pilot test using in 2015 removed about 239 pounds of contaminants.

LUST:

Global Id: T0609700202
Contact Type: Local Agency Caseworker
Contact Name: CITY OF SANTA ROSA FIRE DEPARTMENT
Organization Name: CITY OF SANTA ROSA FIRE DEPARTMENT
Address: 965 SONOMA AVENUE
City: SANTA ROSA

Global Id: T0609700202
Contact Type: Local Agency Caseworker
Contact Name: ENVIRON HEALTH STAFF (NON LOP-RB1)
Organization Name: SONOMA COUNTY
Address: 625 5th Street
City: SANTA ROSA

Global Id: T0609700202
Contact Type: Regional Board Caseworker
Contact Name: TOM MAGNEY
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: tom.magney@waterboards.ca.gov
Phone Number: 7075762030

LUST:

Global Id: T0609700202
Action Type: ENFORCEMENT
Date: 05/01/2009
Action: Staff Letter

Global Id: T0609700202
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TAYLOR BUS COMPANY (Continued)

S104163223

Date:	02/19/2009
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	07/23/2009
Action:	Verbal Enforcement
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	07/20/2009
Action:	File review
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	01/23/2014
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	01/23/2014
Action:	Notification - Public Notice of ROD/RAP/CAP
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	05/22/2019
Action:	File Review - Closure
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	01/09/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	07/20/2009
Action:	Other Workplan
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	10/04/1999
Action:	* Historical Enforcement
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	11/05/2002
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	08/09/2002
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	10/27/2009
Action:	File review

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TAYLOR BUS COMPANY (Continued)

S104163223

Global Id: T0609700202
Action Type: ENFORCEMENT
Date: 09/18/2009
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0609700202
Action Type: ENFORCEMENT
Date: 08/03/2012
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0609700202
Action Type: ENFORCEMENT
Date: 03/09/2009
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0609700202
Action Type: ENFORCEMENT
Date: 08/28/2016
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0609700202
Action Type: RESPONSE
Date: 04/04/2016
Action: Other Report / Document

Global Id: T0609700202
Action Type: ENFORCEMENT
Date: 09/13/2002
Action: Staff Letter

Global Id: T0609700202
Action Type: ENFORCEMENT
Date: 09/13/2001
Action: Staff Letter

Global Id: T0609700202
Action Type: ENFORCEMENT
Date: 11/15/2001
Action: Site Visit / Inspection / Sampling

Global Id: T0609700202
Action Type: ENFORCEMENT
Date: 04/19/2002
Action: Staff Letter

Global Id: T0609700202
Action Type: ENFORCEMENT
Date: 12/22/2003
Action: Staff Letter

Global Id: T0609700202
Action Type: ENFORCEMENT
Date: 10/24/2001
Action: Staff Letter

Global Id: T0609700202
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TAYLOR BUS COMPANY (Continued)

S104163223

Date:	04/06/2010
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	04/07/2014
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	Other
Date:	11/09/1988
Action:	Leak Discovery
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	12/28/2001
Action:	Monitoring Report - Quarterly
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	10/17/2001
Action:	Interim Remedial Action Plan
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	01/21/2004
Action:	Soil and Water Investigation Report
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	07/15/2002
Action:	Other Workplan
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	10/13/2002
Action:	Other Report / Document
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	10/21/2003
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	05/01/2002
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	11/18/2003
Action:	Site Visit / Inspection / Sampling
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	08/31/2005
Action:	Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TAYLOR BUS COMPANY (Continued)

S104163223

Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	11/18/2005
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	02/20/2004
Action:	* No Action
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	05/06/2004
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	02/04/2005
Action:	* Verbal Communication
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	08/17/2011
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	03/24/2015
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	07/01/2016
Action:	Other Report / Document
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	01/27/2006
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	12/08/2006
Action:	Verbal Communication
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	01/24/2011
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	06/27/2016
Action:	Verbal Enforcement
Global Id:	T0609700202
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TAYLOR BUS COMPANY (Continued)

S104163223

Date:	04/04/2017
Action:	Site Visit / Inspection / Sampling
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	02/20/2004
Action:	Other Report / Document
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	04/04/2016
Action:	Other Workplan
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	03/30/2017
Action:	Remedial Progress Report
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	07/10/2017
Action:	Other Report / Document
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	03/30/2018
Action:	Request for Closure
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	02/10/2017
Action:	Monitoring Report - Other
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	08/04/2006
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	09/11/2007
Action:	13267 Monitoring Program - #R1-2007-0083
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	11/01/2006
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	09/06/2007
Action:	File review
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	05/04/2010
Action:	Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TAYLOR BUS COMPANY (Continued)

S104163223

Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	01/14/2011
Action:	File review
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	02/04/2016
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	Other
Date:	11/09/1988
Action:	Leak Stopped
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	12/18/2005
Action:	Soil and Water Investigation Workplan
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	11/15/2005
Action:	Electronic Reporting Submittal Due
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	09/29/2005
Action:	Other Report / Document
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	02/28/2005
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	07/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	07/01/2012
Action:	Corrective Action Plan / Remedial Action Plan - Addendum
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	11/04/2016
Action:	Correspondence
Global Id:	T0609700202
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TAYLOR BUS COMPANY (Continued)

S104163223

Date:	11/10/2010
Action:	Site Assessment Report - Regulator Responded
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	02/14/2014
Action:	Remedial Investigation Workplan - Regulator Responded
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	12/14/2015
Action:	Request for Closure - Regulator Responded
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	06/03/2016
Action:	Other Workplan - Regulator Responded
Global Id:	T0609700202
Action Type:	REMEDIATION
Date:	11/15/2001
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0609700202
Action Type:	REMEDIATION
Date:	11/15/2001
Action:	Excavation
Global Id:	T0609700202
Action Type:	REMEDIATION
Date:	12/07/2005
Action:	Excavation
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	02/28/2008
Action:	Notice of Violation
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	04/02/2008
Action:	Verbal Enforcement
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	03/30/2012
Action:	File review
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	03/29/2017
Action:	Email Correspondence
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TAYLOR BUS COMPANY (Continued)

S104163223

Global Id:	T0609700202
Action Type:	RESPONSE
Date:	10/01/2006
Action:	Other Workplan
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	01/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	03/31/2006
Action:	Interim Remedial Action Report
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	12/12/2006
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	08/17/2001
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	12/07/2005
Action:	Site Visit / Inspection / Sampling
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	06/11/2002
Action:	Waste Discharge Requirements
Global Id:	T0609700202
Action Type:	Other
Date:	11/09/1988
Action:	Leak Reported
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	12/15/2006
Action:	Other Report / Document
Global Id:	T0609700202
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TAYLOR BUS COMPANY (Continued)

S104163223

Date:	11/15/2006
Action:	Well Installation Report
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	08/31/2013
Action:	Sensitive Receptor Survey Report
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	08/31/2013
Action:	Pilot Study/ Treatability Report
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	04/17/2014
Action:	Conceptual Site Model
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	06/10/2008
Action:	Meeting
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	04/30/2012
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	04/30/2012
Action:	13267 Monitoring Program
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	11/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0609700202
Action Type:	RESPONSE
Date:	02/24/2014
Action:	Other Report / Document
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	01/27/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	09/25/2012
Action:	Staff Letter
Global Id:	T0609700202
Action Type:	ENFORCEMENT
Date:	06/18/2018
Action:	Email Correspondence

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TAYLOR BUS COMPANY (Continued)

S104163223

Global Id: T0609700202
Action Type: RESPONSE
Date: 05/15/2009
Action: Verbal Communication

Global Id: T0609700202
Action Type: RESPONSE
Date: 03/20/2009
Action: Other Report / Document

LUST:

Global Id: T0609700202
Status: Open - Case Begin Date
Status Date: 11/09/1988

Global Id: T0609700202
Status: Open - Site Assessment
Status Date: 11/09/1988

Global Id: T0609700202
Status: Open - Site Assessment
Status Date: 04/11/1990

Global Id: T0609700202
Status: Open - Site Assessment
Status Date: 04/26/1990

Global Id: T0609700202
Status: Open - Site Assessment
Status Date: 01/08/1998

Global Id: T0609700202
Status: Open - Remediation
Status Date: 10/01/2001

Global Id: T0609700202
Status: Open - Remediation
Status Date: 11/15/2001

Global Id: T0609700202
Status: Open - Remediation
Status Date: 04/14/2005

Global Id: T0609700202
Status: Open - Site Assessment
Status Date: 03/21/2006

Global Id: T0609700202
Status: Open - Remediation
Status Date: 03/03/2010

Global Id: T0609700202
Status: Open - Remediation
Status Date: 04/10/2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TAYLOR BUS COMPANY (Continued)

S104163223

LUST REG 1:

Region: 1
Facility ID: 1TSO271
Staff Initials: WTE

CORTESE:

Name: TAYLOR BUS COMPANY
Address: 1175 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Region: CORTESE
Global ID: T0609700202
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - REMEDIATION
Flag: active
File Name: Active Open

HIST CORTESE:

edr_fname: TAYLOR BUS COMPANY
edr_fadd1: 1175 SEBASTOPOL
City,State,Zip: SANTA ROSA, CA
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSO271

CERS:

Name: TAYLOR BUS COMPANY
Address: 1175 SEBASTOPOL ROAD
City,State,Zip: SANTA ROSA, CA 95407
Site ID: 233599
CERS ID: T0609700202
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CITY OF SANTA ROSA FIRE DEPARTMENT - CITY OF SANTA ROSA FIRE DEPARTMENT

Affiliation Address: 965 SONOMA AVENUE
Affiliation City: SANTA ROSA
Affiliation State: CA

Affiliation Type Desc: Local Agency Caseworker
Entity Name: ENVIRON HEALTH STAFF (NON LOP-RB1) - SONOMA COUNTY
Affiliation Address: 625 5th Street
Affiliation City: SANTA ROSA
Affiliation State: CA

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM MAGNEY - NORTH COAST RWQCB (REGION 1)
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Phone: 7075762030

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

70
ENE
1/2-1
0.972 mi.
5131 ft.

MCMINN AVENUE
841 MCMINN AVENUE
SANTA ROSA, CA 95401

ENVIROSTOR S101482558
N/A

Relative:
Higher

Actual:
135 ft.

ENVIROSTOR:

Name: MCMINN AVENUE
Address: 841 MCMINN AVENUE
City,State,Zip: SANTA ROSA, CA 95401
Facility ID: 49280005
Status: Refer: RWQCB
Status Date: 12/05/1994
Site Code: 200065
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 350
NPL: NO
Regulatory Agencies: RWQCB 1 - North Coast
Lead Agency: RWQCB 1 - North Coast
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Berkeley
Assembly: 10
Senate: 02
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 38.42778
Longitude: -122.7328
APN: 125-142-039
Past Use: NONE SPECIFIED
Potential COC: * UNSPECIFIED ORGANIC LIQUID MIXTURE
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 125-142-039
Alias Type: APN
Alias Name: 110033610260
Alias Type: EPA (FRS #)
Alias Name: P21041
Alias Type: PCode
Alias Name: 200065
Alias Type: Project Code (Site Code)
Alias Name: 49280005
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: * Discovery
Completed Date: 04/21/1988
Comments: Facility Identified: BEP - fuel oil 440,000 ug/l & gasoline detected in well. No RP identified. Site Screening Done: BEP site.

Completed Area Name: PROJECT WIDE
Completed Document Type: Correspondence
Completed Date: 03/16/1990

Completed Area Name: PROJECT WIDE
Completed Document Type: Correspondence
Completed Date: 09/29/1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCMINN AVENUE (Continued)

S101482558

Completed Area Name: PROJECT WIDE
Completed Document Type: Correspondence
Completed Date: 12/21/1995

Completed Area Name: PROJECT WIDE
Completed Document Type: Correspondence
Completed Date: 12/05/1994

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Screening
Completed Date: 04/21/1988

Completed Area Name: PROJECT WIDE
Completed Document Type: Fact Sheets
Completed Date: 08/01/1986
Comments: Fact Sheet

Completed Area Name: PROJECT WIDE
Completed Document Type: Fact Sheets
Completed Date: 08/01/1988
Comments: Fact Sheet

Completed Area Name: PROJECT WIDE
Completed Document Type: Fact Sheets
Completed Date: 06/01/1992
Comments: Fact Sheet

Completed Area Name: PROJECT WIDE
Completed Document Type: Fact Sheets
Completed Date: 12/01/1995
Comments: Fact Sheet

Completed Area Name: PROJECT WIDE
Completed Document Type: Fact Sheets
Completed Date: 12/15/1995
Comments: Fact Sheet

Completed Area Name: PROJECT WIDE
Completed Document Type: Fact Sheets
Completed Date: 05/19/1987
Comments: Site Update

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Screening
Completed Date: 04/03/2006

Completed Area Name: PROJECT WIDE
Completed Document Type: Remedial Investigation Report
Completed Date: 10/01/1997

Completed Area Name: PROJECT WIDE
Completed Document Type: Well Decommissioning Report
Completed Date: 01/23/1997

Completed Area Name: PROJECT WIDE
Completed Document Type: Remedial Investigation Report
Completed Date: 12/12/1994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCMINN AVENUE (Continued)

S101482558

Completed Area Name: PROJECT WIDE
Completed Document Type: *Correspondence - Received
Completed Date: 04/02/1990

Completed Area Name: PROJECT WIDE
Completed Document Type: *Correspondence - Received
Completed Date: 10/20/1997

Completed Area Name: PROJECT WIDE
Completed Document Type: *Correspondence - Received
Completed Date: 05/16/1995

Completed Area Name: PROJECT WIDE
Completed Document Type: Other Report
Completed Date: 10/29/1991

Completed Area Name: PROJECT WIDE
Completed Document Type: Remedial Investigation Report
Completed Date: 05/21/1993

Completed Area Name: PROJECT WIDE
Completed Document Type: Remedial Investigation Report
Completed Date: 11/01/1987

Completed Area Name: PROJECT WIDE
Completed Document Type: Other Report
Completed Date: 06/02/1998

Completed Area Name: PROJECT WIDE
Completed Document Type: Remedial Investigation Report
Completed Date: 06/19/1989

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Assessment Report
Completed Date: 07/01/1987

Count: 4 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SANTA ROSA	1001230669	MCMINN STATE SUPERFUND SITE	SEBASTOPOL ROAD / WEST AVENUE	95407	SEMS
SANTA ROSA	S105050892	MCMINN AVENUE SUPERFUND AREA	SEBASTOPOL ROAD / ROSELAND ARE	95401	CPS-SLIC
SANTA ROSA	S104857226	AHL PROPERTY	STONY POINT ROAD 5307		LUST
SANTA ROSA	S101482601	UNION OIL	WRIGHT & CALIFORNIA	95401	ENVIROSTOR

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
CA	BROWNFIELDS	Considered Brownfields Sites Listing	State Water Resources Control Board	03/25/2019	03/26/2019	04/29/2019
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2017	06/12/2018	08/06/2018
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	04/09/2019	04/11/2019	05/08/2019
CA	CERS HAZ WASTE	CERS HAZ WASTE	CalEPA	04/09/2019	04/11/2019	05/08/2019
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	04/09/2019	04/11/2019	05/08/2019
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	10/24/2018	01/24/2019	03/05/2019
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	03/05/2019	03/05/2019	04/02/2019
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	03/25/2019	03/26/2019	05/01/2019
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	12/10/2018	12/11/2018	01/15/2019
CA	CUPA LIVERMORE-PLEASANTON	CUPA Facility Listing	Livermore-Pleasanton Fire Department	05/01/2019	05/14/2019	07/17/2019
CA	CUPA SAN FRANCISCO CO	CUPA Facility Listing	San Francisco County Department of Environmen	04/18/2019	04/19/2019	04/30/2019
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	03/04/2019	03/05/2019	04/01/2019
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	02/27/2019	02/28/2019	04/01/2019
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	03/19/2019	03/22/2019	04/09/2019
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	03/01/2019	04/25/2019	05/30/2019
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2017	06/20/2018	08/06/2018
CA	ENF	Enforcement Action Listing	State Water Resoruces Control Board	11/01/2018	11/02/2018	12/13/2018
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	04/29/2019	04/30/2019	06/27/2019
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	04/22/2019	04/23/2019	06/26/2019
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	05/15/2019	05/16/2019	07/18/2019
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	03/26/2019	03/27/2019	04/30/2019
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2017	05/29/2019	07/22/2019
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	05/20/2019	05/21/2019	07/18/2019
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	04/08/2019	04/09/2019	05/30/2019
CA	ICE	ICE	Department of Toxic Substances Control	05/20/2019	05/21/2019	07/18/2019
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Quality Control Board	12/10/2018	12/11/2018	01/15/2019
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	02/28/2019	03/01/2019	04/02/2019
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	12/10/2018	12/11/2018	01/15/2019
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	MINES	Mines Site Location Listing	Department of Conservation	12/10/2018	12/12/2018	01/15/2019
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	02/20/2019	03/05/2019	04/02/2019
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	03/18/2019	03/19/2019	04/29/2019
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	05/13/2019	05/14/2019	07/17/2019
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	03/04/2019	03/05/2019	04/05/2019
CA	PFAS	PFAS Contamination Site Location Listing	State Water Resources Control Board	06/28/2019	06/28/2019	07/24/2019
CA	PROC	Certified Processors Database	Department of Conservation	03/11/2019	03/13/2019	04/29/2019
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	04/29/2019	04/30/2019	06/27/2019
CA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	09/11/2018	09/12/2018	10/11/2018
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	04/29/2019	04/30/2019	06/27/2019
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	05/13/2019	05/14/2019	07/17/2019
CA	SWRCY	Recycler Database	Department of Conservation	03/11/2019	03/13/2019	04/30/2019
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Deaprtment of Conservation	04/27/2018	06/13/2018	07/17/2018
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	06/10/2019	06/11/2019	07/24/2019
CA	UST	Active UST Facilities	SWRCB	06/10/2019	06/11/2019	07/23/2019
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	06/10/2019	06/12/2019	07/23/2019
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	12/04/2018	12/06/2018	12/14/2018
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	04/29/2019	04/30/2019	06/27/2019
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	05/08/2018	07/11/2018	09/13/2018
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	03/11/2019	03/13/2019	04/29/2019
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/27/2019	03/28/2019	05/01/2019
US	BRS	Biennial Reporting System	EPANTIS	12/31/2015	02/22/2017	09/28/2017

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	03/31/2019	04/23/2019	05/23/2019
US	CORRACTS	Corrective Action Report	EPA	03/25/2019	03/27/2019	04/17/2019
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/31/2018	07/26/2018	10/05/2018
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	DOT OPS	Incident and Accident Data	Department of Transportation, Office of Pipeli	12/03/2018	01/29/2019	03/21/2019
US	Delisted NPL	National Priority List Deletions	EPA	04/11/2019	04/18/2019	05/14/2019
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	04/07/2019	04/09/2019	05/23/2019
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	03/25/2019	03/26/2019	05/01/2019
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	04/03/2019	04/05/2019	05/14/2019
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FEMA UST	Underground Storage Tank Listing	FEMA	05/15/2017	05/30/2017	10/13/2017
US	FINDS	Facility Index System/Facility Registry System	EPA	02/15/2019	03/05/2019	03/15/2019
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	03/07/2019	04/03/2019	05/23/2019
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/19/2019	02/21/2019	04/01/2019
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	08/08/2017	09/11/2018	09/14/2018
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	03/25/2019	03/26/2019	05/14/2019
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Services, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/13/2018	03/07/2019	05/01/2019
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/17/2018	03/07/2019	05/01/2019
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	09/24/2018	03/12/2019	05/01/2019
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/12/2018	03/07/2019	05/01/2019
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	11/01/2018	03/07/2019	05/01/2019
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	02/19/2019	03/07/2019	05/01/2019
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/16/2018	03/07/2019	05/01/2019
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/10/2018	03/08/2019	05/01/2019
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/03/2018	03/07/2019	05/01/2019
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/17/2018	03/07/2019	05/01/2019
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	09/24/2018	03/12/2019	05/01/2019
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/12/2018	03/07/2019	05/01/2019
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	11/01/2018	03/07/2019	05/01/2019
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	11/07/2018	03/07/2019	05/01/2019
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/16/2018	03/07/2019	05/01/2019
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/10/2018	03/08/2019	05/01/2019

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	04/11/2019	04/18/2019	05/14/2019
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	04/11/2019	04/18/2019	05/23/2019
US	LUCIS	Land Use Control Information System	Department of the Navy	02/22/2019	03/07/2019	04/17/2019
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/30/2016	09/08/2016	10/21/2016
US	NPL	National Priority List	EPA	04/11/2019	04/18/2019	05/14/2019
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	03/20/2019	04/10/2019	05/14/2019
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	05/24/2017	11/30/2017	12/15/2017
US	PRP	Potentially Responsible Parties	EPA	04/11/2019	04/18/2019	05/23/2019
US	Proposed NPL	Proposed National Priority List Sites	EPA	04/11/2019	04/18/2019	05/14/2019
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	04/02/2019	04/02/2019	05/14/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	03/25/2019	03/27/2019	04/17/2019
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	03/25/2019	03/27/2019	04/17/2019
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	03/25/2019	03/27/2019	04/17/2019
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	03/25/2019	03/27/2019	04/17/2019
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/25/2019	03/27/2019	04/17/2019
US	RMP	Risk Management Plans	Environmental Protection Agency	04/25/2019	05/02/2019	05/23/2019
US	ROD	Records Of Decision	EPA	04/11/2019	04/18/2019	05/23/2019
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	SEMS	Superfund Enterprise Management System	EPA	04/11/2019	04/18/2019	05/23/2019
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	04/11/2019	04/18/2019	05/23/2019
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2016	01/10/2018	01/12/2018
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/21/2017	01/05/2018
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	06/23/2017	10/11/2017	11/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	12/17/2018	12/18/2018	01/11/2019
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	02/24/2019	02/26/2019	04/17/2019
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	01/31/2019	02/04/2019	03/08/2019
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/25/2019	03/26/2019	05/07/2019
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	02/24/2019	02/26/2019	04/17/2019
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	01/31/2019	02/04/2019	03/08/2019
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	11/27/2018	02/27/2019	04/01/2019
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2017	01/17/2019	04/01/2019

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	02/11/2019	02/12/2019	03/04/2019
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	01/01/2019	05/01/2019	06/21/2019
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2017	10/23/2018	11/27/2018
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2017	02/23/2018	04/09/2018
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	12/31/2017	06/15/2018	07/09/2018
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
CA	Daycare Centers	Sensitive Receptor: Licensed Facilities	Department of Social Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
CA	State Wetlands	Wetland Inventory	Department of Fish & Game			
US	Topographic Map	Current USGS 7.5 Minute Topographic Map	U.S. Geological Survey			
US	Oil/Gas Pipelines		PennWell Corporation			
US	Electric Power Transmission Line Data		PennWell Corporation			

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PROPOSED VA CENTER
WAYSIDE DR
SANTA ROSA, CA 95407

TARGET PROPERTY COORDINATES

Latitude (North):	38.423363 - 38° 25' 24.11"
Longitude (West):	122.750925 - 122° 45' 3.33"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	521742.4
UTM Y (Meters):	4252612.5
Elevation:	111 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5602170 SEBASTOPOL, CA
Version Date:	2012
East Map:	5602166 SANTA ROSA, CA
Version Date:	2012

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 principle 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).

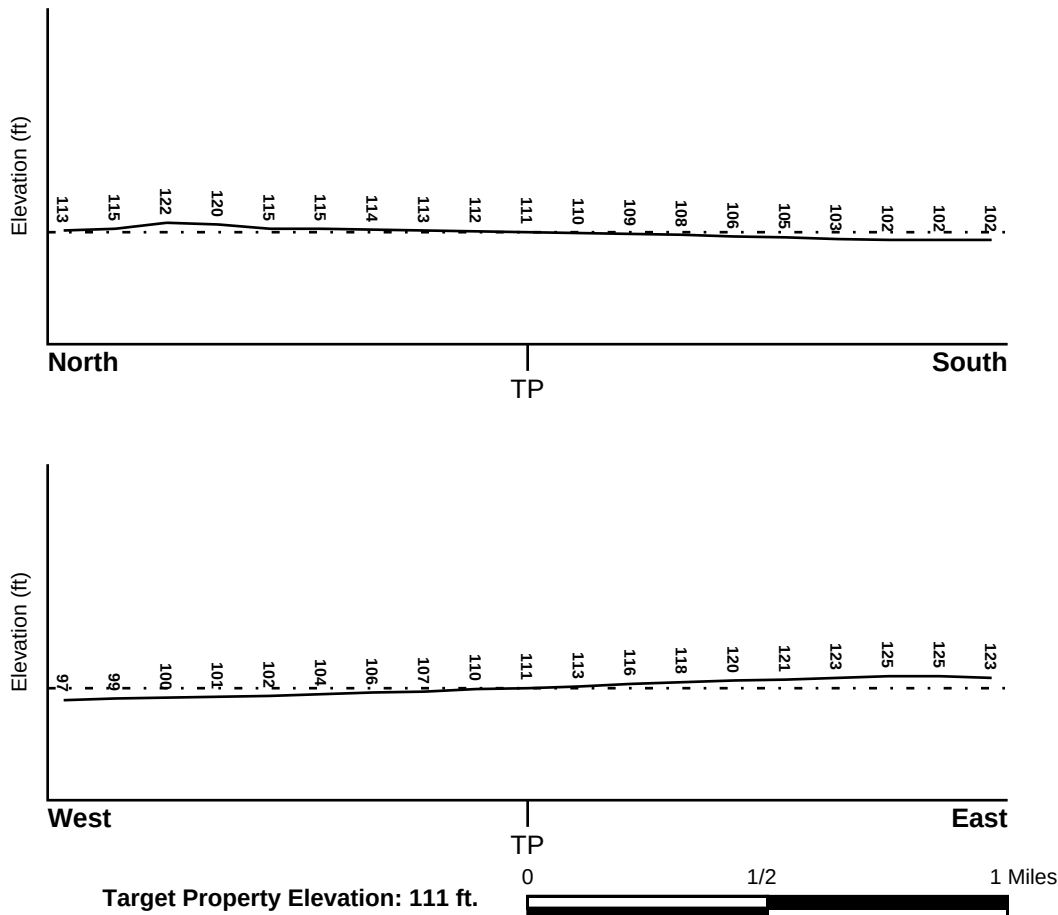
TOPOGRAPHIC INFORMATION

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 WSW

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

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06097C0717F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06097C0709E	FEMA FIRM Flood data
0603810010B	FEMA Q3 Flood data
06097C0736F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
SANTA ROSA	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
Location Relative to TP:	1/2 - 1 Mile ENE
Site Name:	Acme Auto Wreckers
Site EPA ID Number:	CAD983644998
Groundwater Flow Direction:	GENERALLY SW TOWARD THE LAGUNA DE SANTA ROSA, A TRIBUTARY OF THE RUSSIAN RIVER, BUT THE GRADIENT IN THE SITE AREA HAS VARIED TO THE W AND NW.
Inferred Depth to Water:	less than 15 feet.
Hydraulic Connection:	The site is underlain by deposits consisting of fine sands, silts, clays, coarse sands, and gravels to a depth of 200 feet. The shallow water table and lower aquifers are interconnected through numerous irrigation wells screened in both aquifers.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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>
A2	1/2 - 1 Mile WNW	SSW
A3	1/2 - 1 Mile WNW	SSW
8	1/2 - 1 Mile ENE	WSW
10	1/2 - 1 Mile ENE	SW
11	1/2 - 1 Mile NE	Varies
15	1/2 - 1 Mile WNW	WSW & NW
D16	1/2 - 1 Mile West	Varies
D17	1/2 - 1 Mile West	Varies
1G	1/2 - 1 Mile NE	Varies
2G	1/2 - 1 Mile ENE	WSW
3G	1/2 - 1 Mile WNW	WSW & NW
4G	1/2 - 1 Mile ENE	SW
5G	1/2 - 1 Mile WNW	SSW
6G	1/2 - 1 Mile WNW	SSW
7G	1/2 - 1 Mile West	Varies
8G	1/2 - 1 Mile West	Varies

For additional site information, refer to Physical Setting Source Map Findings.

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

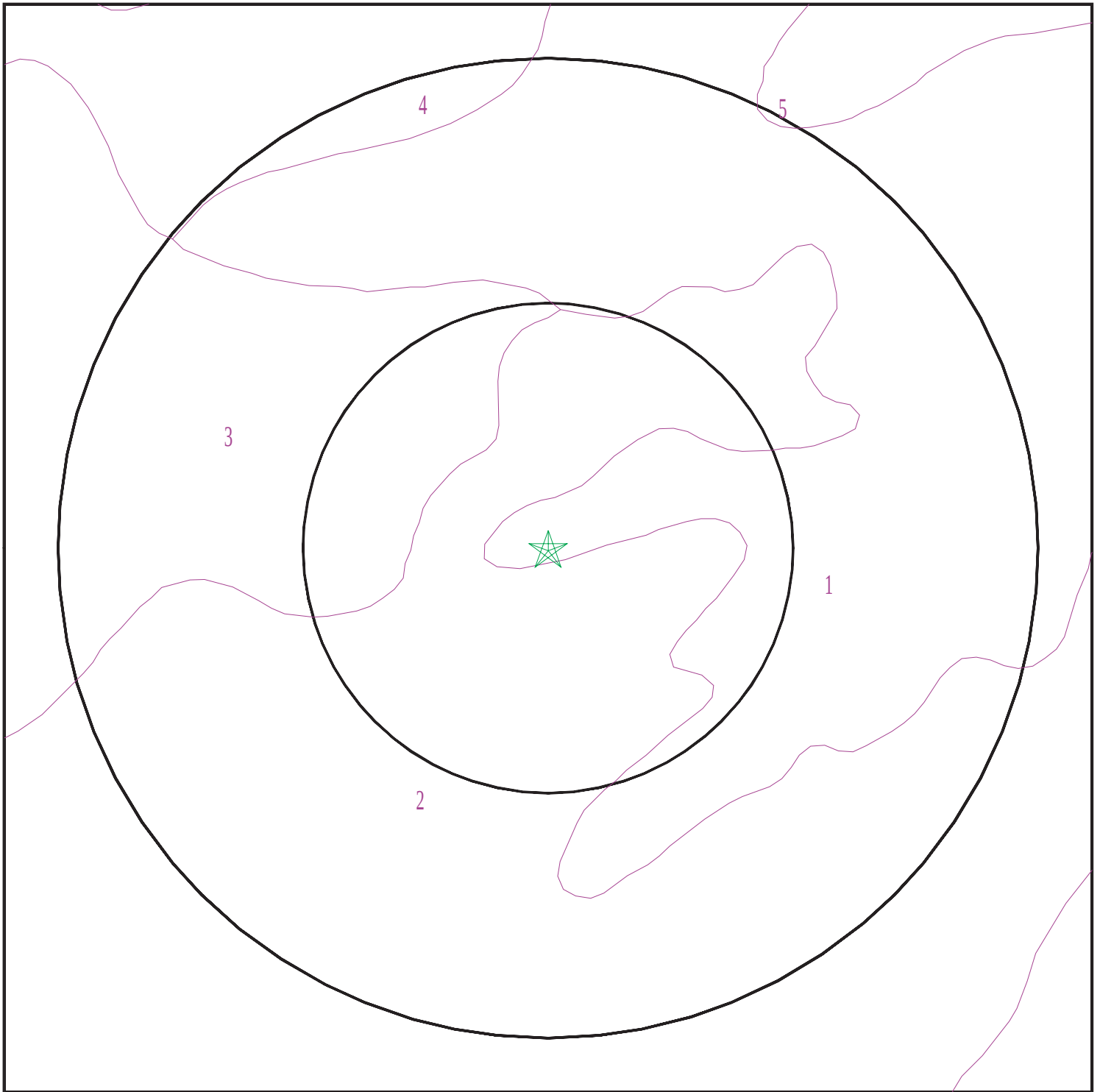
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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 - 5746166.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: Proposed VA Center
ADDRESS: Wayside DR
Santa Rosa CA 95407
LAT/LONG: 38.423363 / 122.750925

CLIENT: Terracon
CONTACT: Alexis Clemente
INQUIRY #: 5746166.2s
DATE: August 08, 2019 4:44 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: ZAMORA

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse 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	5 inches	silty 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: 14 Min: 4	Max: 7.3 Min: 6.6
2	5 inches	29 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: 14 Min: 4	Max: 7.3 Min: 6.6
3	29 inches	40 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: 14 Min: 4	Max: 7.3 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		
4	40 inches	55 inches	sandy 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: 14 Min: 4	Max: 7.3 Min: 6.6
5	55 inches	59 inches	gravelly clay	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: 14 Min: 4	Max: 7.3 Min: 6.6

Soil Map ID: 2

Soil Component Name: CLEAR LAKE

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: Poorly drained

Hydric Status: All 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	12 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: 7.4

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	12 inches	59 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: 7.4

Soil Map ID: 3

Soil Component Name: WRIGHT

Soil Surface Texture: 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: Somewhat poorly 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	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1
2	7 inches	25 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1

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		
3	25 inches	61 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1
4	61 inches	72 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1

Soil Map ID: 4

Soil Component Name: ALLUVIAL LAND

Soil Surface Texture: clay 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: Partially 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	9 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 42	Max: 7.3 Min: 5.6

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	9 inches	29 inches	stratified clay loam to clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 42	Max: 7.3 Min: 5.6
3	29 inches	59 inches	stratified very gravelly sand to sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 42	Max: 7.3 Min: 5.6

Soil Map ID: 5

Soil Component Name: YOLO

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

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	7 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 Soils.	Max: 14 Min: 4	Max: 8.4 Min: 6.1

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	7 inches	59 inches	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: 14 Min: 4	Max: 8.4 Min: 6.1

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>
B5	USGS40000188233	1/2 - 1 Mile ESE
C9	USGS40000188240	1/2 - 1 Mile WSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

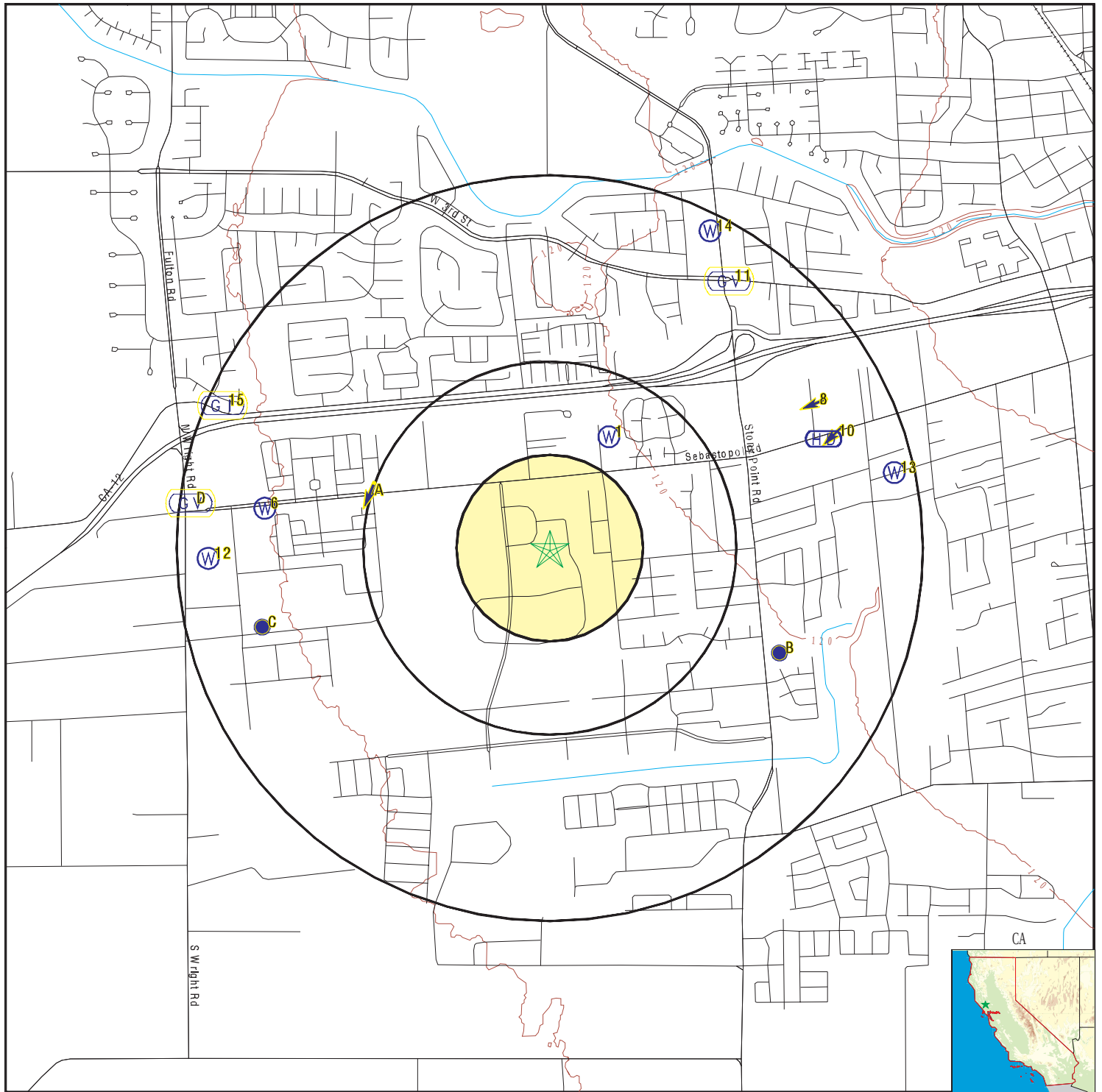
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	7420	1/4 - 1/2 Mile NNE
B4	CADWR8000037941	1/2 - 1 Mile ESE
6	7421	1/2 - 1 Mile West
C7	CADWR8000037946	1/2 - 1 Mile WSW
12	7422	1/2 - 1 Mile West
13	7416	1/2 - 1 Mile ENE
14	CADWR8000037990	1/2 - 1 Mile NNE

PHYSICAL SETTING SOURCE MAP - 5746166.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- 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

0 1/4 1/2 1 Miles

SITE NAME: Proposed VA Center
 ADDRESS: Wayside DR
 Santa Rosa CA 95407
 LAT/LONG: 38.423363 / 122.750925

CLIENT: Terracon
 CONTACT: Alexis Clemente
 INQUIRY #: 5746166.2s
 DATE: August 08, 2019 4:44 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
NNE
1/4 - 1/2 Mile
Higher

CA WELLS 7420

Seq: 7420
Frds no: 4900832001
District: 03
System no: 4900832
Source nam: WELL 01
Latitude: 382540.0
Precision: 3
Comment 1: Not Reported
Comment 3: Not Reported
Comment 5: Not Reported
Comment 7: Not Reported

Prim sta c: 07N/08W-28B01 M
County: 49
User id: RXR
Water type: G
Station ty: WELL/AMBNT/MUN/INTAKE
Longitude: 1224449.0
Status: AR
Comment 2: Not Reported
Comment 4: Not Reported
Comment 6: Not Reported

System no: 4900832
Hqname: Not Reported
City: SANTA ROSA
Zip: 95401
Pop serv: 410
Area serve: Not Reported

System nam: LEISURE MOBILE HOME PARK
Address: 2185 OCCIDENTAL RD
State: CA
Zip ext: Not Reported
Connection: 180

Sample date: 08-DEC-16
Chemical: NITRATE (AS N)
Dir: 0.4

Finding: 3.
Report units: MG/L

A2
WNW
1/2 - 1 Mile
Lower

Site ID: Not Reported
Groundwater Flow: SSW
Shallow Water Depth: Not Reported
Deep Water Depth: Not Reported
Average Water Depth: Not Reported
Date: 11/1997

AQUIFLOW 54101

A3
WNW
1/2 - 1 Mile
Lower

Site ID: Not Reported
Groundwater Flow: SSW
Shallow Water Depth: Not Reported
Deep Water Depth: Not Reported
Average Water Depth: Not Reported
Date: 11/1997

AQUIFLOW 54099

B4
ESE
1/2 - 1 Mile
Higher

CA WELLS CADWR8000037941

State Well #: 07N08W27N002M
Well Name: 07N08W27N002M
Well Type: Single Well
Basin Name: Santa Rosa Plain

Station ID: 5494
Well Use: Residential
Well Depth: 65
Well Completion Rpt #: 74694

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B5
ESE
1/2 - 1 Mile
Higher

FED USGS USGS40000188233

Organization ID:	USGS-CA	Type:	Well
Organization Name:	USGS California Water Science Center	HUC:	18010110
Monitor Location:	007N008W27N002M	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported		
Contrib Drainage Area:	Not Reported		
Aquifer:	California Coastal Basin aquifers	Aquifer Type:	Not Reported
Formation Type:	Not Reported	Well Depth:	65
Construction Date:	19730627	Well Hole Depth:	Not Reported
Well Depth Units:	ft		
Well Hole Depth Units:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1973-06-27
Feet below surface:	18.00	Feet to sea level:	Not Reported
Note:	Not Reported		

6
West
1/2 - 1 Mile
Lower

CA WELLS 7421

Seq:	7421	Prim sta c:	07N/08W-29G05 M
Frds no:	4900833001	County:	49
District:	79	User id:	49C
System no:	4900833	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	382530.0	Longitude:	1224550.0
Precision:	1	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	4900833	System nam:	MELODY INN TRAILER PARK
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

C7
WSW
1/2 - 1 Mile
Lower

CA WELLS CADWR8000037946

State Well #:	07N08W29K001M	Station ID:	5495
Well Name:	07N08W29K001M	Well Use:	Residential
Well Type:	Single Well	Well Depth:	67
Basin Name:	Santa Rosa Plain	Well Completion Rpt #:	56917

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

8 ENE 1/2 - 1 Mile Higher	Site ID: Not Reported		
	Groundwater Flow: WSW	AQUIFLOW	70293
	Shallow Water Depth: 12		
	Deep Water Depth: 18		
	Average Water Depth: Not Reported		
	Date: 08/1992		

C9 WSW 1/2 - 1 Mile Lower		FED USGS	USGS40000188240

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N008W29K001M	Type:	Well
Description:	Not Reported	HUC:	18010110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19720517	Well Depth:	67
Well Depth Units:	ft	Well Hole Depth:	67
Well Hole Depth Units:	ft		

Ground water levels, Number of Measurements:	1	Level reading date:	1972-05-01
Feet below surface:	15.00	Feet to sea level:	Not Reported
Note:	Not Reported		

10 ENE 1/2 - 1 Mile Higher	Site ID: Not Reported		
	Groundwater Flow: SW	AQUIFLOW	71019
	Shallow Water Depth: 11.34		
	Deep Water Depth: 11.44		
	Average Water Depth: Not Reported		
	Date: 01/28/1994		

11 NE 1/2 - 1 Mile Higher	Site ID: Not Reported		
	Groundwater Flow: Varies	AQUIFLOW	70913
	Shallow Water Depth: Not Reported		
	Deep Water Depth: Not Reported		
	Average Water Depth: Not Reported		
	Date: 02/26/1993		

12 West 1/2 - 1 Mile Lower		CA WELLS	7422

Seq:	7422	Prim sta c:	07N/08W-29K02 M
Frds no:	4900768001	County:	49
District:	03	User id:	RXR
System no:	4900768	Water type:	G
Source nam:	MAIN WELL	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	382523.0	Longitude:	1224600.0
Precision:	2	Status:	AR

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comment 1: Not Reported
Comment 3: Not Reported
Comment 5: Not Reported
Comment 7: Not Reported

Comment 2: Not Reported
Comment 4: Not Reported
Comment 6: Not Reported

System no: 4900768
Hqname: Not Reported
City: SANTA ROSA
Zip: 95401
Pop serv: 174
Area serve: Not Reported

System nam: Santa Rosa Christian School
Address: 950 WRIGHT RD
State: CA
Zip ext: Not Reported
Connection: 4

13 ENE 1/2 - 1 Mile Higher

CA WELLS 7416

Seq: 7416
Frds no: 4900764001
District: 03
System no: 4900764
Source nam: WELL 01
Latitude: 382535.0
Precision: 2
Comment 1: Not Reported
Comment 3: Not Reported
Comment 5: Not Reported
Comment 7: Not Reported

Prim sta c: 07N/08W-27F02 M
County: 49
User id: RXR
Water type: G
Station ty: WELL/AMBNT/MUN/INTAKE
Longitude: 1224358.0
Status: AR
Comment 2: Not Reported
Comment 4: Not Reported
Comment 6: Not Reported

System no: 4900764
Hqname: Not Reported
City: SANTA ROSA
Zip: 95404
Pop serv: 75
Area serve: Not Reported

System nam: SUNSET APARTMENTS
Address: 544 COLLEGE AVE.
State: CA
Zip ext: Not Reported
Connection: 20

14 NNE 1/2 - 1 Mile Higher

CA WELLS CADWR8000037990

State Well #: 07N08W21J001M
Well Name: 07N08W21J001M
Well Type: Single Well
Basin Name: Santa Rosa Plain

Station ID: 5492
Well Use: Unknown
Well Depth: 360
Well Completion Rpt #: 110431

15 WNW 1/2 - 1 Mile Lower

Site ID: Not Reported
Groundwater Flow: WSW & NW
Shallow Water Depth: Not Reported
Deep Water Depth: Not Reported
Average Water Depth: Not Reported
Date: 11/1999

AQUIFLOW 70564

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D16 West 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Varies Not Reported Not Reported 7.5 08/20/1998	AQUIFLOW	54010

D17 West 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Varies Not Reported Not Reported 7.5 08/20/1998	AQUIFLOW	54011

1G NE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Varies Not Reported Not Reported Not Reported 02/26/1993	AQUIFLOW	70913

2G ENE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported WSW 12 18 Not Reported 08/1992	AQUIFLOW	70293

3G WNW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported WSW & NW Not Reported Not Reported Not Reported 11/1999	AQUIFLOW	70564

4G ENE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SW 11.34 11.44 Not Reported 01/28/1994	AQUIFLOW	71019

5G WNW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SSW Not Reported Not Reported Not Reported 11/1997	AQUIFLOW	54101

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

6G WNW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SSW Not Reported Not Reported Not Reported 11/1997	AQUIFLOW	54099

7G West 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Varies Not Reported Not Reported 7.5 08/20/1998	AQUIFLOW	54010

8G West 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Varies Not Reported Not Reported 7.5 08/20/1998	AQUIFLOW	54011

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95407	18	0

Federal EPA Radon Zone for SONOMA 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: 95407

Number of sites tested: 4

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.475 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.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R 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 Service (NRCS)

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 Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, 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.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

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.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA 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.

STREET AND ADDRESS INFORMATION

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APPENDIX E

CREDENTIALS

BRIAN CAREY, PG.

SENIOR GEOLOGIST, ENVIRONMENTAL DEPARTMENT

PROFESSIONAL EXPERIENCE

Brian P. Carey has managed various soil/groundwater investigation projects and portfolios, ranging from small gas stations to regional, active bulk-fuel terminals. This work involved detailed management of hazardous waste generation, disposal, and various waste streams to keep clients in regulatory compliance. He has extensive training in health and safety compliance regarding hazardous materials handling, generation, disposal, and permitting compliance.

PROJECT EXPERIENCE

Oil & Gas

Environmental Due Diligence – Major Oil merger, Western United States. Program Manager for Real Property Portfolio disposal resulting from the merger of real property assets in California, Washington, Oregon, Arizona, Utah and Nevada. Managed multiple concurrent Phase I and Phase II *Environmental Site Assessments* (ESAs) with staff in multiple locations to meet stringent deadlines with the 3rd party real property managers to support purchase and sale agreements.

Performance-Based Remediation and Site Closure - Western United States. Senior Geologist for Performance-Based Site Closure Portfolio in Northern California. Managed multiple concurrent remedial systems operations & maintenance (O&M), low-threat/risk closure petitions, groundwater monitoring program, monitored natural attenuation (MNA) projects for light non-aqueous phase liquids (LNAPL), and soil and groundwater impacted by petroleum hydrocarbons and methyl-tert butyl ether (MTBE) and related oxygenates.

Site Investigation – Bulk Plant/Tank Farm, Richmond, California. Project Manager for site investigation of MTBE impacts under consent decree by the California Regional Water Quality Control Board, Central Valley Region.

Remediation System Design, Installation, and Operations & Maintenance – Multiple locations, northern and central California. Portfolio Manager for remedial systems including soil vapor extraction (SVE), dual-phase and multi-phase (DP/MPE) extraction, groundwater pumping wells, and LNAPL collection. Treatment systems included granular activated carbon (GAC), air stripping, and vapor phase controls. Performed pump tests, vapor source/influence tests and other feasibility studies.

Retail Petroleum Site Investigation and Remediation – Northern California. Portfolio Manager, multiple locations. Managed the soil investigation and remediation system O&M at multiple retail petroleum station and bulk fuel terminals impacted by petroleum hydrocarbons and MTBE and related oxygenates.



Education

Bachelors - Geology, California State University Sacramento, 1997

Registrations

California Professional Geologist # 7820, Expires January 2020

Certifications

HAZWOPER (40-hour, Supervisor, 8-hour), Expires December 2018

Work History

Terracon Consultants, Inc. Senior Geologist, December 2018-Present

Carey Environmental Owner/Principal, April 2013-November 2018

Sivunig, Inc Senior Geologist, July 2011 – November 2012

Malama Environmental Senior Geologist, September 2009 – June 2011

Conestoga Rovers and Associates Senior Geologist, April 2007 – August 2009

SECOR International, Inc. Associate Geologist, August 2000-April 2007

Anderson Consulting Group Staff Geologist, July 1997 – August 2000

Stormwater

Compliance Support – Hawaiian Cement, Wailuku, Maui, Hawaii. Program Manager, monitoring stream locations to ensure compliance with environmental conditions in permit for widening of a bridge roadway over Iao Stream. Project manager for NPDES compliance, runoff and ocean discharge from former agricultural fields on the Island of Kauai.

Technical Support – Field investigations and author of SPCCPs and SWPCPs for the State of Hawaii Department of Transportation.

Federal Services

United States Army, Kwajalein Atoll - Project Manager for Kwajalein Tank Farm, an active bulk fuel terminal, and Roi Drinking Water Well 8151, a contaminated freshwater drinking water supply well on Roi-Namur Island, Kwajalein Atoll, Republic of Marshall Islands. Successful implementation of a 50-well monitoring and remediation well network and remediation pilot test on a remote international island nation. Technical support on atoll-wide site investigations for oil and gas and PCBs in buildings and storm drains.

Landfill

Central Maui Landfill, Maui, Hawaii - Managed the safe monthly monitoring and annual sampling of 47 landfill gas wells to meet EPA compliance, and weekly monitoring and maintenance of a landfill gas flare unit. Technical support to identify asbestos-containing materials during the installation of boreholes in landfill waste.

Kristin Stout

SENIOR SCIENTIST | DUE DILIGENCE LEAD

Kristin Stout has over 20 years of experience in environmental consulting. She serves as a Group Manager and due diligence lead in our Sacramento office. She is responsible for executing Phase I Environmental Site Assessments (ESAs), regulatory agency coordination, and reviewing environmental documents. Ms. serves as liaison and environmental coordinator for several public agencies, as well as numerous Caltrans projects and school districts. These relationships also require Ms. Stout to work closely with the regulatory agencies involved in the projects. Ms. Stout is also very experienced in Limited Site Investigations (LSIs), asbestos and lead-based paint surveys, Aerially Deposited Lead (ADL) Surveys, groundwater monitoring reports, and underground storage tank (UST) removals and closures.

PROJECT EXPERIENCE

1-15 Corridor Improvement Project, Murrieta to Riverside/San Bernardino County Line, Phase I ESA, Riverside County, CA

Project Manager for the ISA and ADL Study for the Initial Study/Environmental Assessment (IS/EA). The Hazardous Waste ISA reviewed potential hazardous material/waste impacts associated with the proposed project. Information developed during the ISA will be used to evaluate human health risk during construction and possible legal or logistical implications associated with contaminated sites and potential right-of-way acquisitions along the alignment. The ADL study required 1,703 borings and collection of 6,443 samples within medians, shoulders and ramps. Leighton analyzed the data and conducted statistical analysis to determine if the soil would be suitable for reuse under the DTSC's ADL Variance. Ms. Stout co-authored a proprietary database for sample documentation integrating field input with GPS coordinates to locate, field verify, and collect data. The GPS data was downloaded daily and integrated using GIS. The I-15 CIP project was re-scoped in 2011/2012 to a "right-sized" project which extends from the SR-74 in south Corona to the SR-60 in Ontario. Ms. Stout revised the ISA and ADL Surveys to address the new alignment and conducted asbestos and lead based paint studies on the bridges which will be impacted.

Florin Road ADL Survey

Project Manager for an ADL Survey associated with the Florin Road improvement project. Obtained an encroachment permit for sampling in the shoulder of the road and used a traffic control services. The 17 soil borings were completed in one day and the results indicated that the project area was not impacted by lead in excess of regulatory guidelines and can be reused onsite.

15 Riverside County Line to US-395 (PSR/PDS), San Bernardino County, CA.

Project Manager for and ISA as part of the Project Development Team for the Interstate 15 (I-15) Riverside County Line to United States 395 (US-395) project. Ms. Stout conducted an ISA for the Project Study Report/Project Development Support (PSR/PDS) document. Areas were identified in need of further assessment in the PA/ED phase due to the historical use of the site, presence of underground pipelines, and railroads that transect the site.



EDUCATION

Bachelor of Arts, Environmental Studies, California Lutheran University, 1995

CERTIFICATIONS

Environmental Professional, ASTM E1527-13

CFR 1910.120 OSHA 40-Hour Training

CFR 1910.120 OSHA 8-Hour Supervisor Training

PSMJ Associates Resources, Project Manager Bootcamp

WORK HISTORY

Terracon Consultants, Inc., Senior Scientist/Due Diligence Lead-Environmental, August 2017-Present

Enercon Services, Inc., Due Diligence Department Lead, 2015-August 2017

Leighton Consulting, Inc., Senior Project Manager/Project Manager, 2001-2015

Gradient Engineers, Inc. (a Leighton company), Senior Staff Environmental Scientist, 2000-2001

Phase One, Inc., Report Writer/Environmental Assessor, 1995-2000

Riverside County Transportation Commission (RCTC) On-Call Right-of-Way Phase I and Phase II Environmental Assessment Services, Riverside County, CA

Task Manager for on-call environmental services agreement with RCTC. The initial three-year contract was extended an additional two years. In 2014, another three-year contract was executed. Ms. Stout is responsible for conducting Phase I and Phase II ESAs on properties which require right-of-way acquisition to widen, construct, or modify highways, roadways, or freeways. Many of these projects involve sensitive property owners. Ms. Stout is aware of the parties involved and can obtain all the information necessary for the Phase I ESA and successful acquisition. If recognized environmental conditions are identified in the Phase I ESA, Leighton conducts a Phase II ESA so that RCTC can negotiate purchase price based on property conditions, cleanup costs, and fair market value.

Foothill Parkway Extension, Riverside County, CA

Project Manager for Phase I ESA for potential property acquisition associated with the extension of the Foothill Parkway in Corona. Located in a remote area, the irregular shaped parcel included a sizable debris basin and national forest on the perimeter and historical site within the 45 acres. Ms. Stout coordinated with several agencies, and private landowners for temporary right of entry to complete the site reconnaissance. The area included an abandoned landing strip, former ranch, and retaining wall made from old cars. Ms. Stout provided preliminary findings which led RCTC to propose only partial site acquisition so that potential impacts would not need future mitigation.

SR-60/Lemon Avenue Interchange, Diamond Bar, CA

Midway through the project, Ms. Stout worked with Caltrans District 7 to determine new requirements for the ISA, with the goal of satisfying Caltrans and the project owner, resulting in time and cost savings to the client. The site investigation report included an ADL Survey and an investigation of concerns from the ISA Report.

Overland Drive Extension, Temecula, CA

Environmental Project Manager responsible for completion of Phase I ESA of three properties on Enterprise Circle West and Commerce Center Drive. The Phase I was part of the overall project scope to design and construct a new bridge crossing over Murrieta Creek between Rancho California Road and Winchester Road, including acquisition of right-of-way and the installation of a new signal at Diaz Road.

Phase I ESAs | CA, Various Locations

As a Project Manager and Field Inspector, Ms. Stout has conducted Phase I ESA's on over 1,500 properties in California. She performs the necessary tasks to determine past and/or present land use and to locate possible sources of hazardous materials/wastes. Tasks include reviews of aerial photographs, site reconnaissance, personnel interviews, and client file review. Typical sources identified include oil/gas wells, sumps, above- and underground storage tanks, reservoirs, laboratories, transformers, pipelines, facilities with chemical storage, refineries, hazardous material distribution facilities, industrial processes, natural gas plants, pesticides, and dispersion ponds. Agency contacts and file reviews are performed to identify any known problems on the properties and any problems from nearby sites that may have impacted the properties. Information is obtained from the US EPA, California EPA, California Regional Water Quality Control Boards, various counties Departments of Health, and other appropriate local agencies (fire departments, building departments, etc.).

Confidential Client, Nationwide

Managed a nationwide client expanding its operations throughout the United States. Services included Phase I ESAs, Limited Site Investigations (LSIs), ALTA Surveys, Zoning Reports, Wetlands Desktop Reviews and Delineations, Hazardous Materials Surveys, and Geotechnical Investigations.

APPENDIX F
DESCRIPTION OF TERMS AND ACRONYMS

Description of Selected General Terms and Acronyms

Term/Acronym	Description
ACM	Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining). Regulatory agencies have generally defined ACM as a material containing greater than one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable. Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.
AHERA	Asbestos Hazard Emergency Response Act
AST	Aboveground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.
BGS	Below Ground Surface
Brownfields	State and/or tribal listing of Brownfield properties addressed by Cooperative Agreement Recipients or Targeted Brownfields Assessments.
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CESQG	Conditionally Exempt Small Quantity Generators
CFR	Code of Federal Regulations

Description of Selected General Terms and Acronyms

Term/Acronym	Description
CREC	Controlled Recognized Environmental Condition is defined in ASTM E1527-13 as “a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority) , with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report.”
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).
Hazardous Waste	This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a “solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.”
HREC	Historical Recognized Environmental Condition is defined in ASTM E1527-13 as “a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.”
IC/EC	A listing of sites with institutional and/or engineering controls in place. IC 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. EC 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.
ILP	Innocent Landowner/Operator Program
LQG	Large Quantity Generators
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.

Description of Selected General Terms and Acronyms

Term/Acronym	Description
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	The NPL is the EPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
PACM	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.
PCB	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/L	picoCuries per Liter of Air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in picoCuries per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor "action level" concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal ("cradle to grave"). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large (LQG), small (SQG), or conditionally exempt (CESQG). LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste.
RCRA CORRACTS/TS Ds	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing "corrective action". A "corrective action" order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
RCRA Non-CORRACTS/TS Ds	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.

Description of Selected General Terms and Acronyms

Term/Acronym	Description
RCRA Violators List	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.
RCRIS	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
REC	Recognized Environmental Conditions are defined by ASTM E1527-13 as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment; 2) under conditions indicative of a release to the environment. <i>De minimis</i> conditions are not recognized environmental conditions.”
SCL	State “CERCLIS” List (see SPL /State Priority List, below).
SPCC	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPL	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State “CERCLIS” List.
SQG	Small Quantity Generator
SWF/LF	State and/or Tribal database of Solid Waste/Landfill facilities. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.
TPH	Total Petroleum Hydrocarbons
TRI	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.
TSCA	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
USACE	United States Army Corps of Engineers
USC	United States Code
USGS	United States Geological Survey
USNRCS	United States Department of Agriculture-Natural Resource Conservation Service
UST	Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527-13, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
VCP	State and/or Tribal facilities included as Voluntary Cleanup Program sites.
VOC	Volatile Organic Compound

Description of Selected General Terms and Acronyms

Term/Acronym	Description
Wetlands	Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The <u>Corps of Engineers Wetlands Delineation Manual</u> (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present. The federal Clean Water Act which regulates “waters of the US,” also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.

Appendix D

CAP New Development Checklist

APPENDIX E: CAP NEW DEVELOPMENT CHECKLIST

To ensure new development projects are compliant with the City's Climate Action Plan, the following checklist has been developed. This checklist should be filled out for each new project, subject to discretionary review, to allow new development to find a less than significant impact for greenhouse gas emissions in the environmental review process.

#	Description	Compliance			
		Complies	Does Not Comply	N/A	See Discussion
1.1.1	Comply with CALGreen Tier 1 standards*	X			
1.1.3	After 2020, all new development will utilize zero net electricity*	talked to CBO, not required			
1.3.1	Install real-time energy monitors to track energy use*	X			
1.4.2	Comply with the City's tree preservation ordinance*	X			
1.4.3	Provide public & private trees in compliance with the Zoning Code*	X			
1.5	Install new sidewalks and paving with high solar reflectivity materials*	X			
2.1.3	Pre-wire and pre-plumb for solar thermal or PV systems			X	
3.1.2	Support implementation of station plans and corridor plans	need to study this more			
3.2.1	Provide on-site services such as ATMs or dry cleaning to site users			X	
3.2.2	Improve non-vehicular network to promote walking, biking			X	
3.2.3	Support mixed-use, higher-density development near services			X	
3.3.1	Provide affordable housing near transit			X	
3.5.1	Unbundle parking from property cost			X	
3.6.1	Install calming features to improve ped/bike experience	X			
4.1.1	Implement the Bicycle and Pedestrian Master Plan	X			
4.1.2	Install bicycle parking consistent with regulations*	X			
4.1.3	Provide bicycle safety training to residents, employees, motorists		X		
4.2.2	Provide safe spaces to wait for bus arrival			X	

#	Description	Compliance			
		Complies	Does Not Comply	N/A	See Discussion
4.3.2	Work with large employers to provide rideshare programs		X		
4.3.3	Consider expanding employee programs promoting transit use		X		
4.3.4	Provide awards for employee use of alternative commute options		X		
4.3.5	Encourage new employers of 50+ to provide subsidized transit passes*	X			
4.3.7	Provide space for additional park-and-ride lots			X	
4.5.1	Include facilities for employees that promote telecommuting			X	
5.1.2	Install electric vehicle charging equipment	X			
5.2.1	Provide alternative fuels at new refueling stations*			X	
6.1.3	Increase diversion of construction waste*	X			
7.1.1	Reduce potable water use for outdoor landscaping*	X			
7.1.3	Use water meters which track real-time water use*	X			
7.3.2	Meet on-site meter separation requirements in locations with current or future recycled water capabilities*	X			
8.1.3	Establish community gardens and urban farms		X		
9.1.2	Provide outdoor electrical outlets for charging lawn equipment	X			
9.1.3	Install low water use landscapes*	X			
9.2.1	Minimize construction equipment idling time to 5 minutes or less*	X			
9.2.2	Maintain construction equipment per manufacturer's specs*	X			
9.2.3	Limit GHG construction equipment emissions by using electrified equipment or alternative fuels*	whenever possible			

**To be in compliance with the CAP, all measures denoted with an asterisk are required in all new development projects unless otherwise specified. If a project cannot meet one or more of the mandatory requirements, substitutions may be made from other measures listed at the discretion of the Community Development Director.*

Appendix E

Traffic Impact Study



Final Traffic Impact Study for the VA Medical Office Building Project



Prepared for the City of Santa Rosa

Submitted by
W-Trans

May 13, 2020



**TRAFFIC ENGINEERING
TRANSPORTATION PLANNING**
Balancing Functionality and Livability since 1995
w-trans.com



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- B. Intersection Level of Service Calculations
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Executive Summary

The proposed project includes construction of a 60,000 square-foot medical office building on a currently vacant lot in the City of Santa Rosa. Based on ITE standard rates, the proposed project would be expected to generate an average of 2,088 trips daily, including 167 during the morning peak hour and 208 during the evening peak hour. The estimated project VMT based on daily employee trips and average trip length would be 10,595 miles. Due to the location of the site the project would have an estimated VMT per capita rate that is 26 percent lower than the Santa Rosa citywide average.

For the five-year period evaluated, four of the nine study intersections had lower collision rates than the statewide average for similar facilities. All nine of the study intersections are operating acceptably at LOS D or better overall during both studied peak hours, and they would continue to operate acceptably with the addition of nearby approved projects. With the addition of project-generated traffic to both the Existing and Baseline (approved projects) volumes, the study intersections would continue to operate acceptably at LOS D or better during both studied peak hours.

Challenger Way/Corporate Center Parkway was analyzed to determine if a signal would be warranted. Under the highest-volume scenario evaluated, Baseline plus Project, a signal would not be warranted during either peak period evaluated. Based on these volumes, the existing southbound left-turn pocket is expected to be adequate to accommodate the increase in queuing associated with project traffic. Under Baseline plus Project a.m. peak hour volumes a maximum queue length of two vehicles is expected, which could be accommodated by the left-turn pocket with a storage capacity for approximately four vehicles. City staff calculated that the project would be responsible for 9.3 percent of the cost for planned future improvements at SR 12 East Ramps/Stony Point Road, or \$52,266.

Transit routes and bicycle facilities serving the project site are adequate. Pedestrian facilities will be adequate upon completion of sidewalks along the site's frontages as well as along the proposed parking lots. The proposed project includes 15 bicycle parking spaces, which meet the City's requirements.

Access to the site is expected to operate adequately; left-turn lanes at the site's entries are not warranted given the traffic patterns and low existing volumes. Sight distance is adequate for all movements into and out of the project site. It is recommended that any planned landscaping or project signage be designed outside the driver's vision triangle at the project driveways to maintain adequate sight lines. On-site circulation for ambulance vehicles and fire trucks is anticipated to be adequate.

The proposed vehicle parking supply would be adequate to meet City requirements.

Introduction

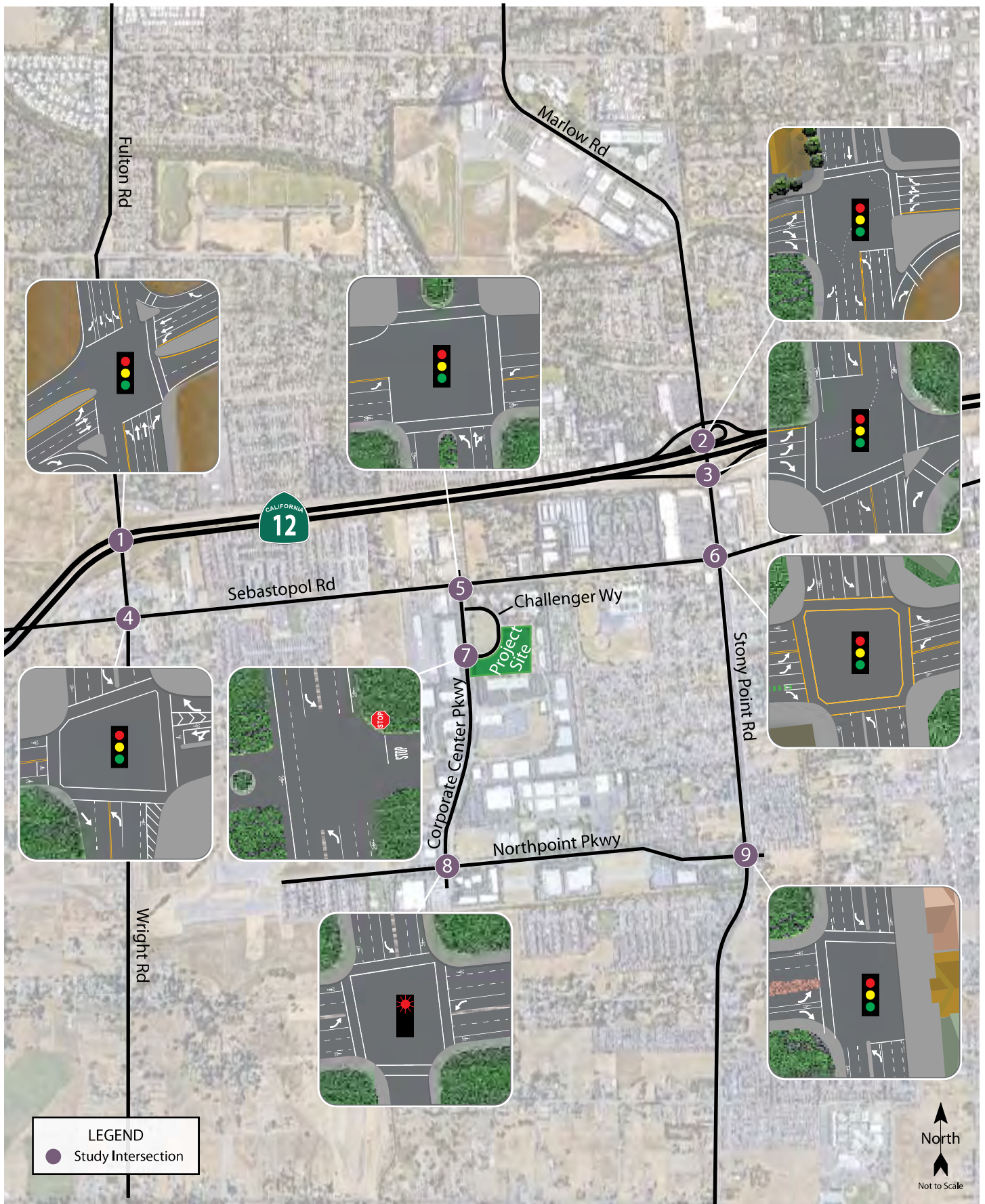
This report presents an analysis of the potential traffic impacts that would be associated with development of a proposed VA medical office building to be located at a vacant lot bordered by Corporate Center Parkway and Challenger Way in the City of Santa Rosa. The traffic study was completed in accordance with the criteria established by the City of Santa Rosa, reflects a scope of work reviewed and approved by City staff, and is consistent with standard traffic engineering techniques.

Prelude

The purpose of a traffic impact study is to provide City staff and policy makers with data they can use to make an informed decision regarding the potential traffic impacts of a proposed project, and any associated improvements that would be required to mitigate these impacts to a level of insignificance as defined by the City's General Plan or other policies. Vehicular traffic impacts are typically evaluated by determining the number of new trips that the proposed use would be expected to generate, distributing these trips to the surrounding street system based on existing travel patterns or anticipated travel patterns specific to the proposed project, then analyzing the impact the new traffic would be expected to have on critical intersections or roadway segments. Impacts relative to access for pedestrians, bicyclists, and to transit are also addressed.

Project Profile

The proposed project includes construction of a 60,000 square foot medical office building on a currently vacant lot in the City of Santa Rosa. The project site location is shown in Figure 1.



Traffic Impact Study for the VA Medical Office Building Project
Figure 1 – Study Area and Existing Lane Configurations

Transportation Setting

Operational Analysis

Study Area and Periods

The study area consists of the following intersections:

1. SR 12/Fulton Road-Wright Road
2. SR 12 West Ramps/Stony Point Road
3. SR 12 East Ramps/Stony Point Road
4. Sebastopol Road/North Wright Road-South Wright Road
5. Sebastopol Road/Corporate Center Parkway
6. Sebastopol Road/Stony Point Road
7. Challenger Way/Corporate Center Parkway
8. Northpoint Parkway/Corporate Center Parkway
9. Northpoint Parkway/Stony Point Road

Operating conditions during the a.m. and p.m. peak periods were evaluated to capture the highest potential impacts for the proposed project as well as the highest volumes on the local transportation network. The morning peak hour occurs between 7:00 and 9:00 a.m. and reflects conditions during the home to work or school commute, while the p.m. peak hour occurs between 4:00 and 6:00 p.m. and typically reflects the highest level of congestion during the homeward bound commute.

Study Intersections

State Route (SR) 12/Fulton Road-Wright Road is a signalized four-way intersection with right-turn lanes and left-turn pockets with protected left-turn phasing on all four approaches. The eastbound and westbound SR 12 approaches have channelized right-turn lanes that are yield-controlled. A marked crosswalk is present on the east leg of the intersection.

SR 12 West Off-Ramp-Occidental Road/Stony Point Road is a signalized four-way intersection with right-turn lanes on the eastbound Occidental Road and westbound SR 12 West off-ramp approaches. Left-turn pockets with protected left-turn phasing are provided on the northbound, westbound, and eastbound approaches. Marked crosswalks are present across all except the south leg. On-ramps to SR 12 westbound from both directions of Stony Point Road are located approximately 100 feet south of the intersection.

SR 12 East Ramps/Stony Point Road is a signalized three-way, four-legged intersection, the east leg of which is an on-ramp to SR 12. There are right-turn lanes provided on the northbound and eastbound approaches and left-turn pockets on the eastbound and southbound approaches; protected left-turn phasing is provided on the southbound approach. The northbound right-turn lane is channelized and unsignalized. Marked crosswalks are present on all except the north leg.

Sebastopol Road/North Wright Road-South Wright Road is a signalized four-way intersection with a right-turn lane on the eastbound approach and left-turn pockets on the northbound and southbound approaches. Left-turn phasing is provided on Wright Road while the Sebastopol Road approaches are split-phased. Marked crosswalks are present across all legs, with bicycle boxes provided at the eastbound and westbound approaches.

Sebastopol Road/Corporate Center Parkway is a four-legged signalized intersection. It includes protected-permitted phasing for the eastbound and westbound approaches, and split phasing on the northbound and

southbound approaches. There are crosswalks present at the north, south, and east legs, with associated curb ramps and pedestrian signal heads at both ends. Bicycle lanes are present on both sides of Sebastopol Road approaches and on the south leg.

Sebastopol Road/Stony Point Road is a signalized four-legged intersection, with protected left-turn phasing on all four approaches. The southbound and westbound approaches include right-turn overlap phasing. Crosswalks are present at all four legs with associated curb ramps and pedestrian signal heads at each corner. Bicycle lanes are provided in both directions on all four legs.

Challenger Way/Corporate Center Parkway is a four-legged two-way stop-controlled intersection. Stop controls are located at the east and west approaches. Bicycle lanes are provided along Corporate Center Parkway in both directions.

Northpoint Parkway/Corporate Center Parkway is a four-legged signalized intersection. The signal heads are always programed to flash red at all four approaches, acting as an all-way stop-controlled intersection. Crosswalks are present at all four legs, with associated curb ramps and pedestrian signal heads at all four corners. There are bicycle lanes in both directions on the north leg of Corporate Center Parkway and on Northpoint Parkway.

Northpoint Parkway/Stony Point Road is a signalized four-legged intersection with protected-permitted left-turn phasing on the Stony Point Road approaches. The east leg is a driveway to a single-family dwelling. Crosswalks and associated pedestrian signal heads are present on the north and west legs. Bicycle lanes are provided at the north, south, and west legs.

The locations of the study intersections and the existing lane configurations and controls are shown in Figure 1.

Collision History

The collision history for the study area was reviewed to determine any trends or patterns that may indicate a safety issue. Collision rates were calculated based on records available from the California Highway Patrol as published in their Statewide Integrated Traffic Records System (SWITRS) reports. The most current five-year period available is November 15, 2014 through November 14, 2019.

As presented in Table 1, the calculated collision rates for the study intersections were compared to average collision rates for similar facilities statewide, as indicated in *2016 Collision Data on California State Highways*, California Department of Transportation (Caltrans). Of the nine study intersections, four experienced a lower collision rate compared to the statewide average for similar facilities. The collision rate calculations are provided in Appendix A.

Table 1 – Collision Rates at the Study Intersections

Study Intersection	Number of Collisions (2014-2019)	Calculated Collision Rate (c/mve)	Statewide Average Collision Rate (c/mve)
1. SR 12/Fulton Rd-Wright Rd	14	0.16	0.24
2. SR 12 W Ramps/Stony Point Rd	20	0.36	0.24
3. SR 12 E Ramps/Stony Point Rd	27	0.35	0.24
4. Sebastopol Rd/N Wright Rd-S Wright Rd	2	0.06	0.24
5. Sebastopol Rd/Corporate Center Pkwy	17	0.48	0.24
6. Sebastopol Rd/Stony Point Rd	40	0.53	0.24
7. Challenger Way/Corporate Center Pkwy	5	0.25	0.13
8. Northpoint Pkwy/Corporate Center Pkwy	1	0.07	0.22
9. Northpoint Pkwy/Stony Point Rd	10	0.23	0.24

Note: c/mve = collisions per million vehicles entering; **bold** text = collision rate is higher than the statewide average

The intersections of Stony Point Road with the SR 12 West Ramps and East Ramps both had collision rates that were higher than the statewide average for similar facilities. It should be noted that due to the way that collision locations are coded, collisions that occurred on the mainline of the highway near the interchange could be linked to the intersection, artificially increasing the number of crashes and therefore the rate.

The predominant crash type for SR 12 West Ramps/Stony Point Road was ten rear-end collisions, with six having unsafe speed as the primary collision factor. SR 12 West Ramps/Stony Point Road also experienced a higher injury rate of 50 percent compared to the statewide average of 44.6 percent; however, the fatality rate was lower than the statewide average. During the studied five-year period, there were seven collisions involving a pedestrian or bicyclist. A majority of the collisions involving a pedestrian or bicyclist included a pedestrian or bicyclist in the crosswalk on the north leg of the intersection. City staff should consider improving visibility of the north leg crosswalk to potentially reduce collisions between pedestrians and bicyclists in this location.

At SR 12 East Ramps/Stony Point Road, there were eight broadside collisions, seven rear-end, five sideswipes, two involving a pedestrian, one hit-object, and one head-on. The intersection also experienced injury and fatality rates that are higher than the statewide average. Four of the eight broadside collisions involved a bicyclist, and one resulted in a fatality. Of the six collisions that involved a pedestrian or bicyclist, four of them occurred on a clear night with functioning streetlights and two during the daytime with good weather. Additionally, two of these crashes occurred in the crosswalk on the east leg and four on the south leg. Of the four collisions in the south leg crosswalk, three involved a vehicle turning right from the eastbound approach. It should be noted that there are plans to improve SR 12 East Ramps/Stony Point Road, and the project applicant would be responsible for contribution of a proportional share as determined by City staff. Since the Joe Rodota Trail runs south of the intersection, connecting at the crosswalk on the south leg, the City may wish to explore including improvements to increase visibility of pedestrians and bicyclists in the crosswalk on the south leg as part of the planned intersection reconfiguration if not already part of the plan.

Of the 17 collisions at Sebastopol Road/ Corporate Center Parkway, eight were broadsides, three head-on, two rear-ends, two hit-objects, one sideswipe, and one involving a pedestrian. Of the eight broadsides, three were due to auto right-of-way violation, three signal malfunctions, and two unstated. Four of the broadside collisions involved a westbound vehicle making a left turn and an eastbound vehicle proceeding straight. Additionally, all three of the head-on collisions were due to auto right-of-way violation with the same vehicle movements. The westbound left-turn signal includes protected/permitted phasing and it appears reasonable to assume that at least most of these right-of-way violations occurred during the permitted left-turn phasing. According to staff,

the protected-permitted phasing indication was converted to a flashing yellow arrow early in 2018. This change reduced the frequency of collisions, as can be seen from the records reviewed. Of the seven collisions during this study period involving a westbound vehicle turning left, six of them occurred between 2015 and 2017, or before the flashing yellow arrow indication was installed, and one in 2019 afterwards. Because this trend has slowed, the City's action appears to have addressed this trend.

Of the 40 collisions at Sebastopol Road/Stony Point Road, 18 were rear-ends, 12 broadside, four head-on, three sideswipe, two hit-object, and one involving a pedestrian. Of the 18 rear-end collisions, 13 were due to unsafe speed, three were DUIs, one was unsafe starting/backing, and improper turning was cited once. A predominant collision type of rear-end crashes is typical of locations with congested conditions and vehicles exiting the highway onto a local street. Increased speed enforcement could benefit safety at this location, especially for pedestrians and bicyclists.

It was difficult to determine where collisions that were coded as occurring at Challenger Way/Corporate Center Parkway actually occurred since the study intersection and intersection north of it have the same name and same configuration. While the collision rate for the study intersection is higher than the statewide average, some of these collisions could have occurred at the intersection north of it. Additionally, since the intersection does not experience a high volume of collisions, the collision rate could be artificially high. It should be noted that the intersection experienced a lower injury rate of 33.3 percent compared to the statewide average of 43.8 percent. Based on these factors, no remedial actions appear warranted for this intersection.

Alternative Modes

Pedestrian Facilities

Pedestrian facilities include sidewalks, crosswalks, pedestrian signal phases, curb ramps, curb extensions, and various streetscape amenities such as lighting, benches, etc. There are no existing pedestrian facilities along the project frontages on Corporate Center Parkway, Challenger Way, Capricorn Way, and Apollo Way. There are sidewalks on both Corporate Center Parkway and Apollo Way along the adjacent parcel to the south, though they stop at the project property line. Across from the project site there are continuous paths along the east side of Apollo Way, north side of Capricorn Way, and the west side of Corporate Center Parkway.

Bicycle Facilities

The *Highway Design Manual*, Caltrans, 2017, classifies bikeways into four categories:

- **Class I Multi-Use Path** – a completely separated right-of-way for the exclusive use of bicycles and pedestrians with cross flows of motorized traffic minimized.
- **Class II Bike Lane** – a striped and signed lane for one-way bike travel on a street or highway.
- **Class III Bike Route** – signing only for shared use with motor vehicles within the same travel lane on a street or highway.
- **Class IV Bikeway** – also known as a separated bikeway, a Class IV Bikeway is for the exclusive use of bicycles and includes a separation between the bikeway and the motor vehicle traffic lane. The separation may include, but is not limited to, grade separation, flexible posts, inflexible physical barriers, or on-street parking.

In the project area, Class II bike lanes exist on Corporate Center Parkway between Sebastopol Road and Northpoint Parkway. According to the *City of Santa Rosa Bicycle and Pedestrian Master Plan 2018 Update*, existing bicycle lanes on Sebastopol Road between Corporate Center Parkway and the SMART train tracks are proposed to be converted to Class IV separated bicycle lanes. Bicyclists ride in the roadway and/or on sidewalks along all other streets within the project study area. Table 2 summarizes the existing and planned bicycle facilities in the project vicinity, as contained in the *City of Santa Rosa Bicycle and Pedestrian Master Plan 2018 Update*.

Table 2 – Bicycle Facility Summary

Status Facility	Class	Length (miles)	Begin Point	End Point
Existing				
Corporate Center Pkwy	II	0.70	Sebastopol Rd	Northpoint Pkwy
Northpoint Pkwy	II	1.20	Corrigan St	Stony Point Rd
Stony Point Rd-Marlow Rd	II	4.80	Piner Rd	Bellevue Ave
Sebastopol Rd	II	1.50	Corporate Center Pkwy	Avalon Ave
Planned				
Sebastopol Rd	II	0.30	Fresno Ave	Corporate Center Pkwy
Sebastopol Rd	IV	1.80	Corporate Center Pkwy	SMART Train Tracks

Source: *City of Santa Rosa Bicycle and Pedestrian Master Plan 2018 Update*, City of Santa Rosa, 2019

Transit Facilities

The project site is within one-quarter mile walking distance of two bus stops, one on Corporate Center Parkway just south of Mercury Way and the other at the northwest corner of Corporate Center Parkway/ Sebastopol Road.

Santa Rosa CityBus

The Santa Rosa CityBus provides fixed route bus service within the City of Santa Rosa. Routes 2 and 2B provide loop service along Sebastopol Road between the Santa Rosa Transit Mall and Corporate Center Parkway. Only Route 2 provides service to the bus stop at Corporate Center Parkway/Mercury Way, and operates Monday through Friday with one-half hour headways between 6:00 a.m. and 8:05 p.m.

Two bicycles can be carried on most CityBus buses. Bike rack space is on a first come, first served basis. Additional bicycles are allowed on CityBus buses at the discretion of the driver.

Dial-a-ride, also known as paratransit, or door-to-door service, is available for those who are unable to independently use the transit system due to a physical or mental disability. CityBus Paratransit is designed to serve the needs of individuals with disabilities within the City of Santa Rosa.

Sonoma County Transit

The Sonoma County Transit (SCT) provides regional service within the City of Santa Rosa and throughout Sonoma County. SCT Route 22 provides service between the Santa Rosa Transit Mall and Sebastopol Transit Hub. The route operates Monday through Friday with four service stops westbound with approximately two-hour to seven-hour headways between 7:15 a.m. and 5:30 p.m. Eastbound service has three service times with an hour or six-hour headway between 8:40 a.m. and 4:49 p.m.

Two bicycles can be carried on most SCT buses. Bike rack space is on a first come, first served basis. Additional bicycles are allowed on SCT buses at the discretion of the driver.

Dial-a-ride, also known as paratransit, or door-to-door service, is available for those who are unable to independently use the transit system due to a physical or mental disability. SCT Paratransit is designed to serve the needs of individuals with disabilities within the City of Santa Rosa and the greater Sonoma County area.

Capacity Analysis

Intersection Level of Service Methodologies

Level of Service (LOS) is used to rank traffic operation on various types of facilities based on traffic volumes and roadway capacity using a series of letter designations ranging from A to F. Generally, Level of Service A represents free flow conditions and Level of Service F represents forced flow or breakdown conditions. A unit of measure that indicates a level of delay generally accompanies the LOS designation.

The study intersections were analyzed using methodologies published in the *Highway Capacity Manual* (HCM), 6th Edition, Transportation Research Board, 2018. This source contains methodologies for various types of intersection control, all of which are related to a measurement of delay in average number of seconds per vehicle.

The Levels of Service for Challenger Way/Corporate Center Parkway, which has side street stop controls, were analyzed using the “Two-Way Stop-Controlled” intersection capacity method from the HCM. This methodology determines a level of service for each minor turning movement by estimating the level of average delay in seconds per vehicle. Results are presented for individual movements together with the weighted overall average delay for the intersection.

Northpoint Parkway/Corporate Center Parkway has signalized red-flashers on all approaches, so was analyzed using the “All-Way Stop-Controlled” Intersection methodology from the HCM. This methodology evaluates delay for each approach based on turning movements, opposing and conflicting traffic volumes, and the number of lanes. Average vehicle delay is computed for the intersection as a whole and is then related to a Level of Service.

The study intersections that are currently controlled by a traffic signal, or may be in the future, were evaluated using the signalized methodology from the HCM. This methodology is based on factors including traffic volumes, green time for each movement, phasing, whether the signals are coordinated or not, truck traffic, and pedestrian activity. Average stopped delay per vehicle in seconds is used as the basis for evaluation in this LOS methodology. For purposes of this study, delays were calculated using signal timing obtained from the City of Santa Rosa and Caltrans.

The ranges of delay associated with the various levels of service are indicated in Table 3.

Table 3 – Intersection Level of Service Criteria

LOS	Two-Way Stop-Controlled	All-Way Stop-Controlled	Signalized
A	Delay of 0 to 10 seconds. Gaps in traffic are readily available for drivers exiting the minor street.	Delay of 0 to 10 seconds. Upon stopping, drivers are immediately able to proceed.	Delay of 0 to 10 seconds. Most vehicles arrive during the green phase, so do not stop at all.
B	Delay of 10 to 15 seconds. Gaps in traffic are somewhat less readily available than with LOS A, but no queuing occurs on the minor street.	Delay of 10 to 15 seconds. Drivers may wait for one or two vehicles to clear the intersection before proceeding from a stop.	Delay of 10 to 20 seconds. More vehicles stop than with LOS A, but many drivers still do not have to stop.
C	Delay of 15 to 25 seconds. Acceptable gaps in traffic are less frequent, and drivers may approach while another vehicle is already waiting to exit the side street.	Delay of 15 to 25 seconds. Drivers will enter a queue of one or two vehicles on the same approach and wait for vehicle to clear from one or more approaches prior to entering the intersection.	Delay of 20 to 35 seconds. The number of vehicles stopping is significant, although many still pass through without stopping.
D	Delay of 25 to 35 seconds. There are fewer acceptable gaps in traffic, and drivers may enter a queue of one or two vehicles on the side street.	Delay of 25 to 35 seconds. Queues of more than two vehicles are encountered on one or more approaches.	Delay of 35 to 55 seconds. The influence of congestion is noticeable, and most vehicles have to stop.
E	Delay of 35 to 50 seconds. Few acceptable gaps in traffic are available, and longer queues may form on the side street.	Delay of 35 to 50 seconds. Longer queues are encountered on more than one approach to the intersection.	Delay of 55 to 80 seconds. Most, if not all, vehicles must stop and drivers consider the delay excessive.
F	Delay of more than 50 seconds. Drivers may wait for long periods before there is an acceptable gap in traffic for exiting the side streets, creating long queues.	Delay of more than 50 seconds. Drivers enter long queues on all approaches.	Delay of more than 80 seconds. Vehicles may wait through more than one cycle to clear the intersection.

Reference: *Highway Capacity Manual*, 6th Edition, Transportation Research Board, 2018

Traffic Operation Standards

City of Santa Rosa

Section 5.8 Transportation Goals & Policy of the City of Santa Rosa General Plan states:

T-D-1 – *Maintain a Level of Service (LOS) D or better along all major corridors. Exceptions to meeting the standard include:*

- Within downtown;
- Where attainment would result in significant degradation;
- Where topography or impacts makes the improvement impossible; or
- Where attainment would ensure loss of an area's unique character.

The LOS is to be calculated using the average traffic demand over the highest 60-minute period.

Traffic Engineering Division will require a level of service evaluation of arterial and collector corridors if deemed necessary.

T-D-2 – *Monitor level of service at intersections to assure that improvements or alterations to improve corridor level of service do not cause severe impacts at any single intersection.*

General interpretation of Policy T-D-2. The impact to an intersection is considered significant if the project related and/or future trips result in:

1. The level of service (LOS) at an intersection degrading from LOS D or better to LOS E or F, OR
2. An increase in average vehicle delay of greater than 5 seconds at a signalized intersection where the current LOS operates at either LOS E or F.
3. Queuing impacts based on a comparative analysis between the design queue length and the available queue storage capacity. Impacts include, but are not limited to, spillback queue at project access locations (both ingress and egress), turn lanes at intersections, lane drops, spill back that impacts upstream intersections or interchange ramps.
4. Exceptions may be granted under the following conditions:
 - a. Within downtown,
 - b. Where attainment would result in significant degradation,
 - c. Where topography or impacts makes the improvement impossible; or
 - d. Where attainment would ensure loss of an area's unique character.

T-C-3 – *Implement traffic calming techniques on streets subject to high speed and/or cut-through traffic, in order to improve neighborhood livability, Techniques Include:*

- Narrow Streets
- On-street parking
- Choker or diverters
- Decorative crosswalks
- Planted islands

General interpretation of Policy T-C-3. An impact is considered significant if the project has the potential to alter community character by significantly increasing cut-through traffic, unexpected vehicle maneuvers or commercial vehicle trips in a residential area.

T-H-3 – *Require new development to provide transit improvements, where a rough proportionality to demand from the project is established. Transit improvements may include:*

- Direct and paved pedestrian access to transit stops
- Bus turnouts and shelters
- Lane width to accommodate buses.

General interpretation of Policy T-H-3. An impact is considered significant if the project has the potential to disrupt existing transit operations or establishes transit facilities and equipment such that it creates a sight distance deficiency or vehicle conflict point.

T-J – *Provide attractive and safe streets for pedestrian and bicyclists.*

General interpretation of Policy T-J. An impact is considered significant if the project generates 20 pedestrians in any single hour at an unsignalized intersection, mid-block crossing or where no crossing has been established.

An impact is further considered significant if the project interrupts existing or proposed pedestrian, bicycle and transit facilities, path or travel, direct access resulting in excessive rerouting or creates a vehicle conflict condition which affects the safety of other roadway users.

Caltrans

The study intersection SR 12/Fulton Road-Wright Road is a Caltrans operated intersection. Caltrans indicates that they endeavor to maintain operation at the transition from LOS C to LOS D.

Existing Conditions

The Existing Conditions scenario provides an evaluation of current operation based on existing traffic volumes during the a.m. and p.m. peak periods. This condition does not include project-generated traffic volumes. Volume data was collected while local schools were in session.

Intersection Levels of Service

Under existing conditions, the study intersections are operating acceptably at LOS D or better during both studied peak hours. A summary of the intersection level of service calculations is contained in Table 4, and copies of the Level of Service calculations are provided in Appendix B. The existing traffic volumes are shown in Figure 2.

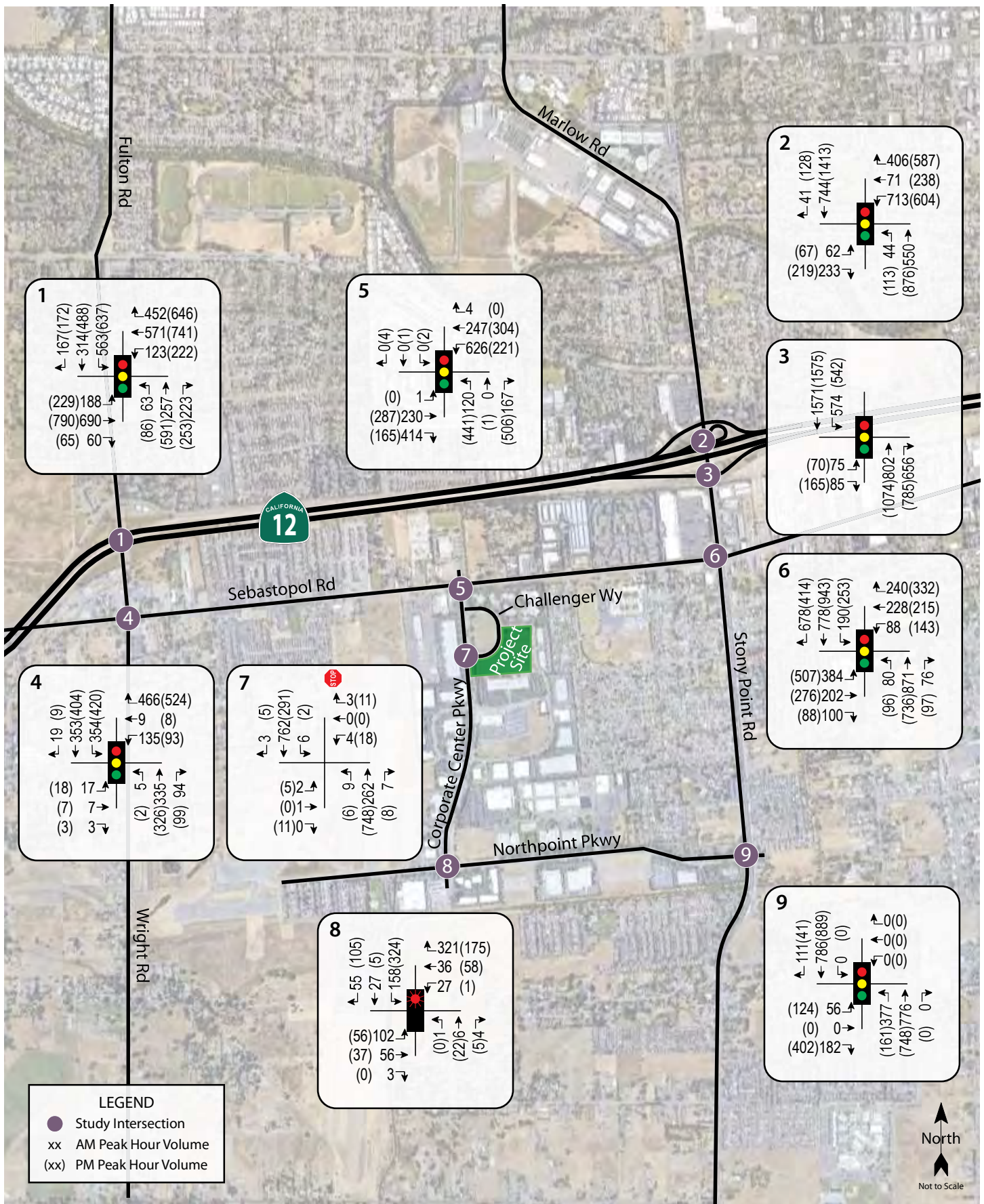
Table 4 – Existing Peak Hour Intersection Levels of Service

Study Intersection <i>Approach</i>	AM Peak		PM Peak	
	Delay	LOS	Delay	LOS
1. SR 12/Fulton Rd-Wright Rd	43.2	D	51.0	D
2. SR 12 W Ramps/Stony Point Rd	34.5	C	46.0	D
3. SR 12 E Ramps/Stony Point Rd	30.8	C	17.6	B
4. Sebastopol Rd/N Wright Rd-S Wright Rd	28.7	C	36.0	D
5. Sebastopol Rd/Corporate Center Pkwy	24.4	C	19.3	C
6. Sebastopol Rd/Stony Point Rd	28.6	C	33.6	C
7. Challenger Way/Corporate Center Pkwy	0.27	A	0.7	B
<i>Eastbound (Challenger Way) Approach</i>	21.6	C	11.5	B
<i>Westbound (Challenger Way) Approach</i>	13.0	B	18.5	C
8. Northpoint Pkwy/Corporate Center Pkwy	10.7	B	11.9	B
9. Northpoint Pkwy/Stony Point Rd	9.6	A	15.5	B

Notes: Delay is measured in average seconds per vehicle; LOS = Level of Service; Results for minor approaches to two-way stop-controlled intersections are indicated in *italics*

Baseline Conditions

The Baseline (Existing plus Approved Development) scenario provides an evaluation of operation with traffic from approved projects in the vicinity of the study area added to existing peak hour traffic volumes. The following projects are all expected to be constructed and generating traffic that would impact the study intersections, so were included in the analysis of this scenario as directed by City staff. The list of projects included in the Baseline scenario and their daily and peak hour trips generated are provided in Appendix C.



Traffic Impact Study for the VA Medical Office Building Project
Figure 2 – Existing Traffic Volumes

Trips from the following projects were routed to the street network using the same general trip distribution assumptions described below for the project:

- **Santa Rosa Skilled Nursing Facility** – 37,900 square foot assisted living facility at 2280 Challenger Way
- **Burbank Avenue Subdivision** – 64 multi-family housing and 74 single family dwelling units at 1400 Burbank Avenue. It should be noted that since the project is east of Stony Point Road, trips from SR 12 eastbound to the project site were routed through SR 12 East Ramps/Stony Point Road.
- **Sebastopol Road Town Homes** – 198 multi-family apartment units at 1755 Sebastopol Road. It should be noted that since the project is east of Stony Point Road, trips from SR 12 eastbound to the project site were routed through SR 12 East Ramps/Stony Point Road.
- **Park Lane II Apartments** – 26 multi-family apartment units at 1001 Doubles Drive
- **Air Center East Phase 2** – 133 single family dwelling units at 1301 Ludwig Avenue. Since the project site is south of Stony Point Road/Northpoint Parkway, the assumed 20 percent of trips to and from the south of Northpoint Parkway via Stony Point would not affect any of the study intersections and were therefore not included in the analysis.
- **Golden Gate Court** – 12 single family dwelling units at 1071 Fresno Avenue
- **Smith Village/Pantoja Lane** – Eight single family dwelling units at 3625 Sebastopol Road

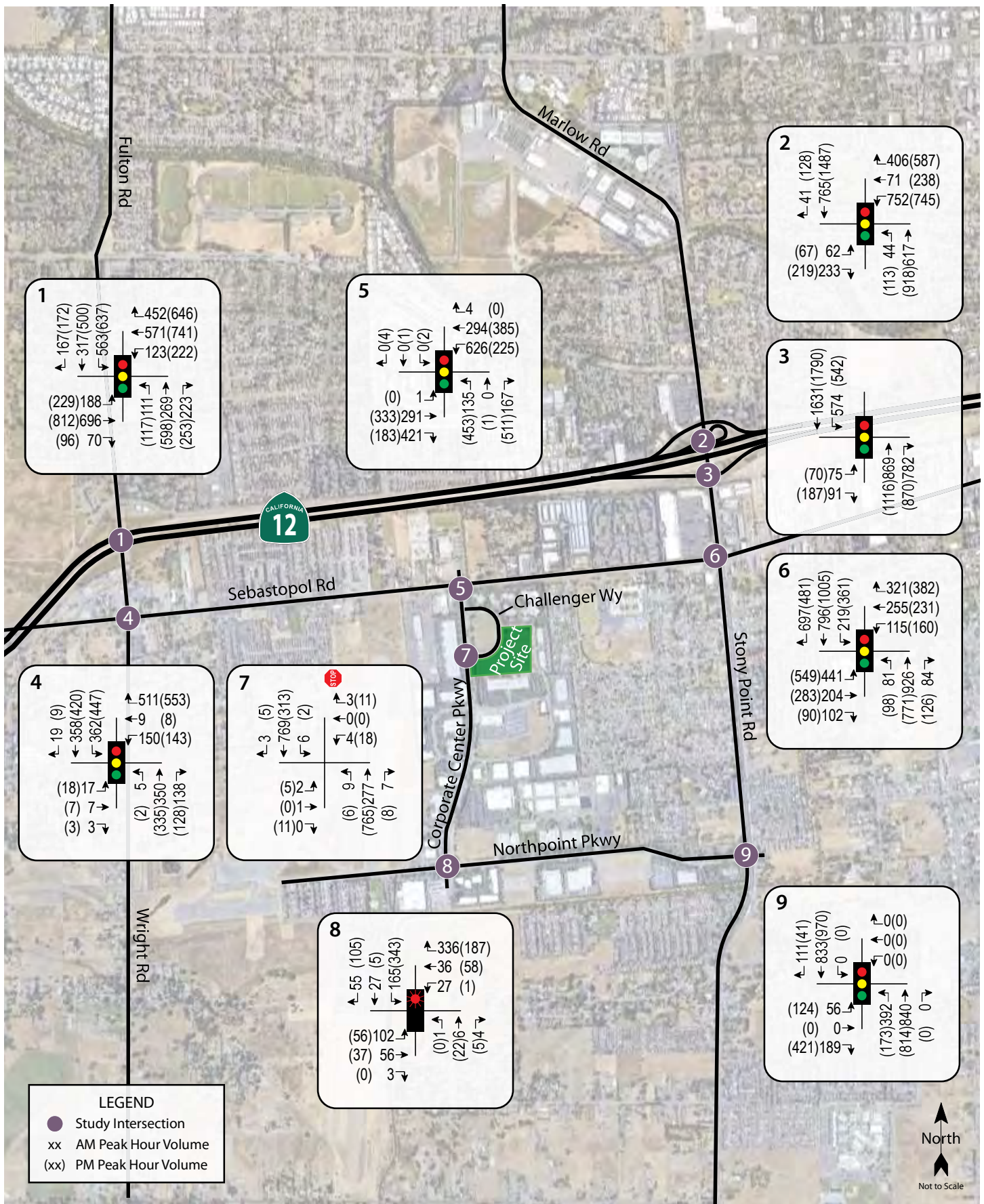
The following two projects had distributions that included 30 percent of their trips to and from north of Hearn Avenue. Since neither of the traffic studies for these projects included any study intersections north of Stony Point Road/Hearn Avenue, 80 percent of these trips were assigned to and from the north via Stony Point Road and 20 percent to and from the west via Northpoint Parkway to SR 12.

- **Stony Village North** – 43 single family dwelling units plus four second dwelling units at 2729 Stony Point Road
- **Grove Village** – 137 single family dwelling units plus 20 second dwelling units at 2880 Stony Point Road

The trip distribution for the following six projects was based on the traffic study for the Dutton Meadows Subdivision. Based on that traffic study, 15 percent of the trips were assumed to travel west of Hearn Avenue/ Dutton Meadows. Of these, 80 percent were distributed to and from the north via Stony Point Road and 20 percent to and from the west via Northpoint Parkway to SR 12.

- **Bellevue Ranch 7** – 30 single family dwelling units at 2903 Dutton Meadow
- **Dutton Meadows Subdivision** – 211 single family dwelling units at 2684 Dutton Meadow
- **Lantana Place Homes** – 48 single family dwelling units at 2979 Dutton Meadow
- **Meadowood Ranch** – 78 single family dwelling units at 2853 Dutton Meadow
- **Somerset Place** – 32 single family dwelling units at 2786 Dutton Meadow
- **Southwest Estates** – 60 single family dwelling units to be located at 533 Bellevue Avenue

Upon adding trips associated with these projects to existing volumes, the study intersections would be expected to operate acceptably at LOS D or better during both peak hours studied. Baseline volumes are shown in Figure 3 and these results are summarized in Table 5.



Traffic Impact Study for the VA Medical Office Building Project
Figure 3 – Baseline Traffic Volumes

Table 5 – Baseline Peak Hour Intersection Levels of Service

Study Intersection Approach	AM Peak		PM Peak	
	Delay	LOS	Delay	LOS
1. SR 12/Fulton Rd-Wright Rd	43.8	D	51.4	D
2. SR 12 W Ramps/Stony Point Rd	34.4	C	51.6	D
3. SR 12 E Ramps/Stony Point Rd	42.2	D	20.0	B
4. Sebastopol Rd/N Wright Rd-S Wright Rd	19.6	B	43.2	D
5. Sebastopol Rd/Corporate Center Pkwy	25.2	C	20.1	C
6. Sebastopol Rd/Stony Point Rd	35.8	D	47.7	D
7. Challenger Way/Corporate Center Pkwy	0.27	A	0.71	A
<i>Eastbound (Challenger Way) Approach</i>	<i>22.0</i>	<i>C</i>	<i>11.7</i>	<i>B</i>
<i>Westbound (Challenger Way) Approach</i>	<i>13.2</i>	<i>B</i>	<i>19.1</i>	<i>C</i>
8. Northpoint Pkwy/Corporate Center Pkwy	11.0	B	12.5	B
9. Northpoint Pkwy/Stony Point Rd	9.8	A	18.7	B

Notes: Delay is measured in average seconds per vehicle; LOS = Level of Service; Results for minor approaches to two-way stop-controlled intersections are indicated in *italics*

Project Description

The project consists of construction of a 60,000 square foot medical office building for outpatient care. There would be four driveways constructed for site access, one on Challenger Way and three on Apollo Way. The driveway on Challenger Way and the northern-most driveway on Apollo Way would provide access for visitors and employees. The two southern driveways on Apollo Way would provide access to the back side of the building for ambulance and service van loading areas. The proposed project site plan is shown in Figure 4.

Trip Generation

The anticipated trip generation for the proposed project was estimated using standard rates published by the Institute of Transportation Engineers (ITE) in *Trip Generation Manual*, 10th Edition, 2017 for Medical Office (ITE Land Use #720). As shown in Table 6 the proposed project is expected to generate an average of 2,088 trips per day, including 167 trips during the a.m. peak hour and 208 during the p.m. peak hour.

Table 6 – Trip Generation Summary

Land Use	Units	Daily		AM Peak Hour				PM Peak Hour			
		Rate	Trips	Rate	Trips	In	Out	Rate	Trips	In	Out
Medical Office Building	60 ksf	34.80	2,088	2.78	167	130	37	3.46	208	58	150

Note: ksf = 1,000 square feet

Trip Distribution

The pattern used to allocate new project trips to the street network was based on the distribution applied in evaluating the Kaiser Permanente Hospital located near the project site. The applied distribution assumptions and resulting trips are shown in Table 7.

Table 7 – Trip Distribution Assumptions

Route	Percent
Fulton Rd north of SR 12	5%
Stony Point Rd north of SR 12	5%
Stony Point Rd south of Northpoint Pkwy	5%
SR 12 east of Stony Point Rd (also to/from US 101)	55%
SR 12 west of Fulton Rd	15%
Hearn Ave (also to/from US 101)	15%
TOTAL	100%

Vehicle Miles Traveled

Senate Bill (SB) 743 established a change in the metric to be applied in determining traffic impacts associated with development projects. Rather than the delay-based criteria associated with a Level of Service analysis, the increase in vehicle-miles-traveled (VMT) as a result of a project will be the basis for determining impacts once this new metric is fully vetted and adopted. The City of Santa Rosa relies on the Office of Planning and Research (OPR) recommendations for VMT thresholds. Per the OPR guidance, a project would have a significant impact if the land use resulted in an increase in VMT of more than 15 percent than the VMT per capita for the County of Sonoma baseline average.

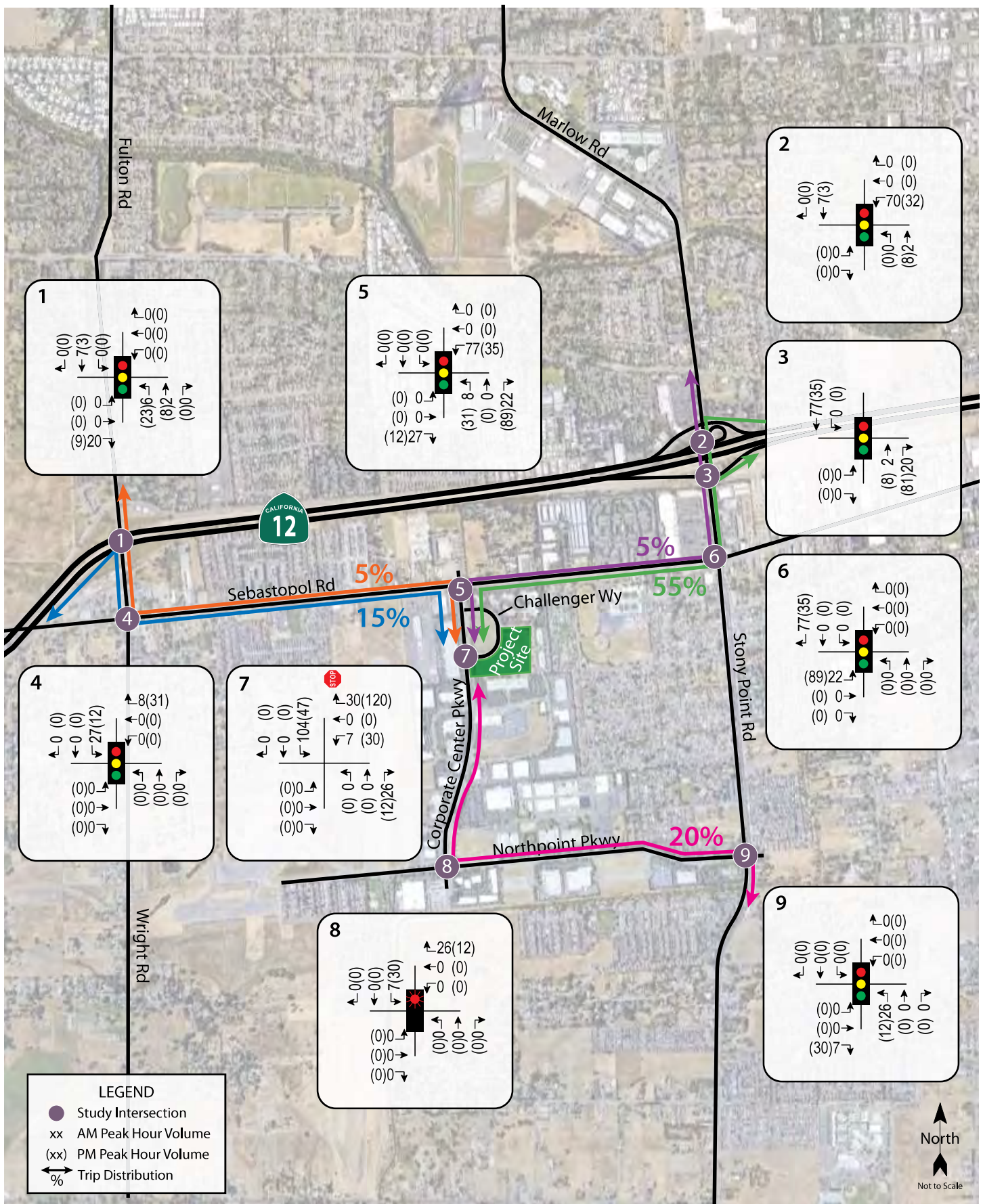
The Sonoma County Transportation Authority (SCTA) has developed a model that estimates traffic and VMT characteristics in specific areas of development within the County, known as Traffic Analysis Zones (TAZs). The proposed project would be located in TAZ 490. The model estimates the employment VMT per capita in this TAZ to be 6.96 miles per day. In comparison, the citywide average employment VMT per capita for Santa Rosa is 9.41 miles per day. Based on this data, the project can be expected to produce a per capita VMT that is approximately 26 percent lower than the citywide average. In terms of total VMT, using the 2,088 daily trips generated, and an average distance of 5.06 miles per daily trip for TAZ 490, the estimated VMT is 10,565 miles.

Finding – The project is anticipated to result in 10,565 daily miles of vehicle travel at a per capita rate that is 26 percent lower than the Santa Rosa citywide average. Since the project would have a VMT per capita rate that is lower than the citywide average, the project is expected to have a less-than-significant impact.

Intersection Operation

Existing plus Project Conditions

Upon the addition of project-related traffic to the Existing volumes, the study intersections are expected to continue operating acceptably at LOS D or better during both peak hours. Project traffic volumes are shown in Figure 5. These results are summarized in Table 8.



Traffic Impact Study for the VA Medical Office Building Project
Figure 5 – Project Traffic Volumes and Trip Distribution

Table 8 – Existing and Existing plus Project Peak Hour Intersection Levels of Service

Study Intersection <i>Approach</i>	Existing Conditions				Existing plus Project			
	AM Peak		PM Peak		AM Peak		PM Peak	
	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS
1. SR 12/Fulton Rd-Wright Rd	43.2	D	51.0	D	43.3	D	51.3	D
2. SR 12 W Ramps/Stony Point Rd	34.5	C	46.0	D	35.0	C	46.7	D
3. SR 12 E Ramps/Stony Point Rd	30.8	C	17.6	B	32.3	C	17.8	B
4. Sebastopol Rd/N Wright Rd-S Wright Rd	28.7	C	36.0	D	30.7	C	43.8	D
5. Sebastopol Rd/Corporate Center Pkwy	24.4	C	19.3	C	35.7	D	21.5	C
6. Sebastopol Rd/Stony Point Rd	28.6	C	33.6	C	29.2	C	35.6	D
7. Challenger Way/Corporate Center Pkwy	0.27	A	0.7	B	1.3	A	3.7	A
<i>Eastbound (Challenger Way) Approach</i>	<i>21.6</i>	<i>C</i>	<i>11.5</i>	<i>B</i>	<i>30.9</i>	<i>D</i>	<i>13.4</i>	<i>B</i>
<i>Westbound (Challenger Way) Approach</i>	<i>13.0</i>	<i>B</i>	<i>18.5</i>	<i>C</i>	<i>13.0</i>	<i>B</i>	<i>23.1</i>	<i>C</i>
8. Northpoint Pkwy/Corporate Center Pkwy	10.7	B	11.9	B	11.2	B	12.8	B
9. Northpoint Pkwy/Stony Point Rd	9.6	A	15.5	B	9.7	A	16.7	B

Notes: Delay is measured in average seconds per vehicle; LOS = Level of Service; Results for minor approaches to two-way stop-controlled intersections are indicated in *italics*

Finding – The study intersections are expected to continue operating acceptably upon the addition of project-generated traffic.

Baseline plus Project Conditions

With project-related traffic added to Baseline volumes, the study intersections are expected to operate acceptably at LOS D or better. These results are summarized in Table 9.

Table 9 – Baseline and Baseline plus Project Peak Hour Intersection Levels of Service

Study Intersection Approach	Baseline Conditions				Baseline plus Project			
	AM Peak		PM Peak		AM Peak		PM Peak	
	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS
1. SR 12/Fulton Rd-Wright Rd	43.8	D	51.4	D	43.9	D	51.9	D
2. SR 12 W Ramps/Stony Point Rd	34.4	C	51.6	D	34.9	C	53.2	D
3. SR 12 E Ramps/Stony Point Rd	42.2	D	20.0	B	43.1	D	20.2	C
4. Sebastopol Rd/N Wright Rd-S Wright Rd	19.6	B	43.9	D	20.5	C	51.5	D
5. Sebastopol Rd/Corporate Center Pkwy	25.2	C	20.1	C	36.3	D	23.4	C
6. Sebastopol Rd/Stony Point Rd	35.8	D	47.7	D	36.6	D	50.0	D
7. Challenger Way/Corporate Center Pkwy	0.27	A	0.71	A	1.3	A	3.8	A
<i>Eastbound (Challenger Way) Approach</i>	22.0	C	11.7	B	31.6	D	13.8	B
<i>Westbound (Challenger Way) Approach</i>	13.2	B	19.1	C	13.2	B	24.2	C
8. Northpoint Pkwy/Corporate Center Pkwy	11.0	B	12.5	B	11.5	B	13.6	B
9. Northpoint Pkwy/Stony Point Rd	9.8	A	18.7	B	9.9	A	20.5	C

Notes: Delay is measured in average seconds per vehicle; LOS = Level of Service; Results for minor approaches to two-way stop-controlled intersections are indicated in *italics*

Finding – The study intersections are expected to continue operating acceptably upon the addition of project-generated traffic.

While the project would not increase delay at SR 12 East Ramps/Stony Point Road by more than five seconds during either peak hour under Existing or Baseline Conditions, so would not have an adverse impact, the project would contribute to the need for improvements. The applicant should therefore contribute a proportional share of the cost for planned future improvements. As calculated by City staff, 9.3 percent of the estimated cost of \$562,000 for the project, as obtained from *the Stony Point Road at Highway 12 Eastbound On-Ramp Dual Left Turns Feasibility Study*, December 18, 2009, Kimley-Horn and Associates, Inc., or \$52,266, would be assigned to the project.

Queuing

Queue lengths in the southbound left-turn pocket at Challenger Way/Corporate Center Parkway were evaluated to ensure that the project would not cause stacking to extend beyond the limits of the turn pocket. The existing left-turn pocket storage is approximately 100 feet, so can accommodate four vehicles at an estimated length of 25 feet each. Southbound left-turn queuing was determined using a methodology contained in “Estimating Maximum Queue Length at Unsignalized Intersections,” John T. Gard, *ITE Journal*, November 2001. Based on average weekday peak hour volumes with nearby approved project traffic, there would be no vehicles queuing in the turn pocket. With proposed project traffic added, the maximum queue was determined to be two vehicles. The Caltrans *Highway Design Manual* specifies that the storage length at unsignalized intersections should be based on the number of turning movements likely to arrive in an average two-minute period during the peak hour. During weekday a.m. peak hour under Baseline plus Project volumes, which represents the worst-case condition evaluated, three to four vehicles would be expected to arrive in an average two-minute period during the peak arrival period. Therefore, the existing southbound left-turn pocket storage length of 100 feet, or four standard vehicles, would accommodate the maximum assumed queue of four vehicles. The spreadsheet used for the maximum queue length analysis are provided in Appendix D.

Finding – The existing southbound left-turn pocket storage length at Challenger Way/Corporate Center Parkway is expected to be adequate to accommodate trips estimated for the highest-volume scenario evaluated, or Baseline plus Project a.m. peak hour volumes.

Alternative Modes

Pedestrian Facilities

Sidewalks are shown on the site plans within the site surrounding the main building and throughout the two parking lots. Continuous paths of sidewalk and crosswalks connecting the parking lots and the main building are proposed. Along the project frontages, sidewalks are proposed which would connect to existing sidewalks south of the project site on Corporate Center Parkway and Apollo Way. Curb ramps would be installed on the project side of Corporate Center Parkway/Challenger Way, Challenger Way/Capricorn Way, and Capricorn Way/Apollo Way, as well as on either side of the four proposed driveways. Additionally, the applicant should work with the City to ensure existing curb ramps along the project frontages at the corners of Challenger Way/Corporate Center Parkway, Challenger Way/Capricorn Way and Capricorn Way/Apollo Way meet City and ADA standards.

Finding – Pedestrian facilities with proposed improvements within the site and along the project frontages would be adequate.

Bicycle Facilities

Existing bicycle facilities, including bike lanes on Corporate Center Parkway, Sebastopol Road and Northpoint Parkway, together with shared use of minor streets would provide adequate access for bicyclists.

Finding – Bicycle facilities serving the project site are adequate.

Transit

Both the Santa Rosa CityBus Route 2 and SCT Route 22 provide connecting service between the project site and the Santa Rosa Transit Mall, where employees or visitors can connect to other regional routes. Existing transit routes are adequate to accommodate project-generated transit trips. Existing stops are within acceptable walking distance of the site.

Finding – Transit facilities serving the project site are adequate.

Access and Circulation

Site Access

As proposed, the project would include construction of four driveways, one off Challenger Way and three off Apollo Way. The two southern driveways on Apollo Way would be one way, with the most southern driveway serving inbound trips only and the middle driveway designated for outbound trips only. These two driveways would be limited to use by police and security, as well as ambulances. The other two driveways would have full ingress and egress and provide access to the site for employees and visitors.

Sight Distance

Sight distances along Challenger Way and Apollo Way at the project driveways were evaluated based on sight distance criteria contained in the *Highway Design Manual* published by Caltrans. The recommended sight distances for minor street approaches that are either a private road or a driveway are based on stopping sight distance, with the approach travel speeds used as the basis for determining the recommended sight distance. Additionally, the stopping sight distance needed for a following driver to stop if there is a vehicle waiting to turn into a side street or driveway is evaluated based on stopping sight distance criterion and the approach speed on the major street.

Sight distance at the proposed driveway at Challenger Way was reviewed. Based on a design speed of 25 mph, the minimum stopping sight distance needed is 150 feet. The proposed driveway would be located on the outside of the curve on Challenger Way, which extends sight lines further than if the driveway were located within the curve. Based on the review performed, sight lines would extend to both of the closest intersections on either side of the driveway, which is more than 150 feet.

Since the southernmost driveway on Apollo Way is an entrance only driveway, sight lines at this location were not reviewed. Sight distance at the northernmost driveway and middle driveway on Apollo Way were reviewed. The two project driveways would have sight lines of at least 150 in each direction. It should be noted that the northernmost driveway on Apollo Way is just 150 feet from the intersection of Capricorn Way/Apollo Way; however a vehicle turning the corner onto Apollo Way would be visible from this driveway, making the sight lines adequate, especially considering that their speed as they turned the corner would be less than 25 mph.

To ensure adequate sight lines are maintained, parking should be prohibited for 25 feet on each side of the project driveways except the southern driveway on Apollo Way since the driveway is an entrance-only driveway. At all four driveways, any planned landscaping or project signage should be placed outside of the driver's vision triangle to maintain adequate sight distance.

Finding – Existing sight lines at the proposed driveways on Challenger Way and Apollo Way are adequate.

Recommendation – Any planned landscaping or project signage at the project driveways should be placed outside of the driver's vision triangle to maintain adequate sight distance. Red curb paint or no parking signage should be installed for 25 feet on both sides of the project driveways with the exception of the southernmost driveway on Apollo Way.

Access Analysis

Left-Turn Lane Warrants

Most project-generated trips would travel to and from the site via Corporate Center Parkway, making the shortest trip one that would result in a right turn into the site. The driveway on Challenger Way would serve the majority of project trips as these would be associated with employees and patients. Since few remaining project trips associated with ambulances and security personnel would use the proposed driveway on Apollo Way, and given the limited volume of traffic on Apollo Way, left-turn lanes are not warranted on Apollo Way.

Finding – Left-turn lanes are not warranted on Challenger Way or Apollo Way at the proposed project driveways.

Emergency Vehicle Access

There are five existing fire hydrants near the project site, including two on Challenger Way, two on Capricorn Way, and one on Apollo Way. Based on the site plan, fire trucks are expected to be able to adequately enter and exit the site via the proposed driveway on Challenger Way. Emergency response vehicles, such as ambulances, would be able to pull into the proposed southern driveway on Apollo Way and exit out of middle driveway on Apollo Way. An AutoTURN exhibit showing fire truck and ambulance circulation is provided in Appendix E.

Traffic Signal Warrants

A signal warrant analysis was performed to determine potential need for a traffic signal at Challenger Way/Corporate Center Parkway.

Chapter 4C of the *California Manual on Uniform Traffic Control Devices* (CA-MUTCD) provides guidance on when a traffic signal should be considered. There are nine different warrants, or criteria, presented, though only Warrant 3, the Peak Hour Volume Warrant, was evaluated. **Warrant 3** is often the first warrant to be met and can be met as a result of traffic associated with a new development. Under the Peak Hour Warrant the need for a traffic control signal shall be considered if an engineering study finds that the criteria in either of the following two categories are met:

- A. If all three of the following conditions exist for the same one hour (any four consecutive 15-minute periods) of an average day:
 1. The total stopped time delay experienced by the traffic on one minor-street approach (one direction only) controlled by a STOP sign equals or exceeds: four vehicle-hours for a one-lane approach; or five vehicle-hours for a two-lane approach, and
 2. The volume on the same minor-street approach (one direction only) equals or exceeds 100 vehicles per hour for one moving lane of traffic or 150 vehicles per hour for two moving lanes, and
 3. The total entering volume serviced during the hour equals or exceeds 650 vehicles per hour for intersections with three approaches or 800 vehicles per hour for intersections with four or more approaches.
- B. The plotted point representing the vehicles per hour on the major street (total of both approaches) and the corresponding vehicles per hour on the higher-volume minor-street approach (one direction only) for one hour (any four consecutive 15-minute periods) of an average day falls above the applicable curve in Figure 4C-3 for the existing combination of approach lanes.

Based on the highest-volume scenario evaluated, Baseline plus Project, a signal is not warranted during either studied peak period at Challenger Way/Corporate Center Parkway.

Parking

The project was analyzed to determine whether the proposed parking supply would be sufficient for the anticipated parking demand. The project site as proposed would provide a total of 420 parking spaces, including 12 ADA parking spaces. Of the total proposed parking spaces, 13 would be motorcycle parking spaces, for a total of 407 vehicle parking spaces. There would be eight parking spaces served by four dual electric vehicle charging stations provided. Of the 420 parking spaces, 149 would be designated for employees, three for police/security staff, and 268 spaces for visitors or other.

Jurisdiction parking supply requirements are based on the *City of Santa Rosa City Code*, Chapter 20-36.040; Number of parking spaces required. Based on the City's requirements rate of 1 space per 200 square feet for doctor's offices, the proposed project would be required to provide at minimum 300 parking spaces. As proposed, the project would provide 120 spaces above the minimum required, so the project parking supply is more than adequate to meet City requirements.

Finding – The proposed parking supply is more than adequate to meet the required parking supply.

Bicycle Parking

The Santa Rosa City Code also stipulates the City's bicycle parking requirements for new developments. According to the Santa Rosa City Code, bicycle parking is required for doctor offices at a ratio of one space per 4,000 square feet. For the proposed project, a minimum of 15 bicycle parking spaces would be required. There are 15 bicycle parking spaces proposed on-site, which would be adequate to meet City requirements.

Conclusions and Recommendations

Conclusions

- The proposed project includes construction of a 60,000 square foot medical office building. Based on ITE standard rates, the proposed project would generate 2,088 trips daily, including 167 during the morning peak hour and 208 during the evening peak hour.
- Based on the project site's location, the project is estimated to have a VMT per capita that is 26 percent lower than the Santa Rosa citywide average. Based on OPR guidelines, the project would therefore have a less-than-significant impact on citywide VMT per capita rates.
- Four of the nine study intersections had a lower collision rate than the statewide average for similar facilities.
- The study intersections are currently operating acceptably at LOS D or better overall during both peak hours. Upon the addition of project-related traffic to the Existing volumes, the study intersections are expected to continue operating acceptably at LOS D or better, so the project's short-term impact would be considered less-than-significant.
- With trips from approved projects within the area added to the Existing volumes, the study intersections would be expected to continue to operate acceptably. With project generated volumes added, the intersections would continue operating acceptably at LOS D or better overall.
- Existing bicycle and transit facilities serving the site are adequate for anticipated demand. The project includes construction of sidewalks along the project frontages connecting to existing sidewalks south of the project site on Corporate Center Parkway and Apollo Way. Along with proposed curb ramps at the project driveways and at corners with surrounding intersections, pedestrian facilities would be adequate.
- Sight distance at the proposed project driveways would be adequate.
- Left-turn pockets are not warranted at any of the site's driveways given the traffic patterns and existing volumes.
- The available stacking length in the existing southbound left-turn pocket at Challenger Way/ Corporate Center Parkway is expected to be adequate to accommodate project turning movements for the highest-volume scenario, which is Baseline plus Project a.m. peak hour.
- On-site circulation for emergency vehicles, such as ambulance vans and fire trucks, is adequate.
- Based on the Baseline plus Project volumes, which is the worst-case scenario, a signal would not be warranted during either studied peak hour at Challenger Way/Corporate Center Parkway.
- The proposed vehicle and bicycle parking supplies would be adequate to meet City requirements.

Recommendations

- As calculated by City staff, the project would be required to contribute 9.3 percent of the total \$562,000 estimate for planned future improvements to SR 12 East Ramps/Stony Point, or \$52,266.

- Any planned landscaping or project signage at the project driveways should be designed outside the driver's vision triangles. Additionally, red painted curbs are recommended on both sides of the driveways, except the southernmost driveway on Apollo Way, to ensure adequate sight lines.

Study Participants and References

Study Participants

Principal in Charge	Dalene J. Whitlock, PE, PTOE
Assistant Planner	Julia Walker
Graphics	Katia Wolfe
Editing/Formatting	Alex Scrobonia
Quality Control	Dalene J. Whitlock, PE, PTOE

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Communications

Email directing the approved projects to include in Baseline scenario; Rob Sprinkle to Julia Walker; January 9, 2020

SRO540





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Appendix A

Collision Rate Calculations



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Intersection Collision Rate Calculations

TIS for the VA Hospital Project

Intersection # 1: SR 12 & Fulton Rd

Date of Count: Thursday, August 9, 2018

Number of Collisions: 14

Number of Injuries: 6

Number of Fatalities: 0

ADT: 49200

Start Date: November 14, 2014

End Date: November 15, 2019

Number of Years: 5

Intersection Type: Four-Legged

Control Type: Signals

Area: Urban

$$\text{collision rate} = \frac{\text{Number of Collisions} \times 1 \text{ Million}}{\text{ADT} \times 365 \text{ Days per Year} \times \text{Number of Years}}$$

$$\text{collision rate} = \frac{14}{49,200} \times \frac{1,000,000}{365 \times 5}$$

	Collision Rate	Fatality Rate	Injury Rate
Study Intersection	0.16 c/mve	0.0%	42.9%
Statewide Average*	0.24 c/mve	0.5%	44.6%

ADT = average daily total vehicles entering intersection

c/mve = collisions per million vehicles entering intersection

* 2013 Collision Data on California State Highways, Caltrans

Intersection # 2: SR 12 W Ramps & Stony Point Rd

Date of Count: Tuesday, May 8, 2018

Number of Collisions: 20

Number of Injuries: 6

Number of Fatalities: 0

ADT: 43100

Start Date: November 14, 2014

End Date: November 15, 2019

Number of Years: 5

Intersection Type: Four-Legged

Control Type: Signals

Area: Urban

$$\text{collision rate} = \frac{\text{Number of Collisions} \times 1 \text{ Million}}{\text{ADT} \times 365 \text{ Days per Year} \times \text{Number of Years}}$$

$$\text{collision rate} = \frac{20}{43,100} \times \frac{1,000,000}{365 \times 5}$$

	Collision Rate	Fatality Rate	Injury Rate
Study Intersection	0.25 c/mve	0.0%	30.0%
Statewide Average*	0.24 c/mve	0.5%	44.6%

ADT = average daily total vehicles entering intersection

c/mve = collisions per million vehicles entering intersection

* 2013 Collision Data on California State Highways, Caltrans

Intersection Collision Rate Calculations

TIS for the VA Hospital Project

Intersection # 3: SR 12 E Ramps & Stony Point Rd

Date of Count: Thursday, August 9, 2018

Number of Collisions: 24

Number of Injuries: 12

Number of Fatalities: 1

ADT: 42100

Start Date: November 14, 2014

End Date: November 15, 2019

Number of Years: 5

Intersection Type: Four-Legged

Control Type: Signals

Area: Urban

$$\text{collision rate} = \frac{\text{Number of Collisions} \times 1 \text{ Million}}{\text{ADT} \times 365 \text{ Days per Year} \times \text{Number of Years}}$$

$$\text{collision rate} = \frac{24}{42,100} \times \frac{1,000,000}{365 \times 5}$$

	Collision Rate	Fatality Rate	Injury Rate
Study Intersection	0.31 c/mve	4.2%	50.0%
Statewide Average*	0.24 c/mve	0.5%	44.6%

ADT = average daily total vehicles entering intersection

c/mve = collisions per million vehicles entering intersection

* 2013 Collision Data on California State Highways, Caltrans

Intersection # 4: Sebastopol Rd & Wright Rd

Date of Count: Tuesday, May 8, 2018

Number of Collisions: 2

Number of Injuries: 0

Number of Fatalities: 0

ADT: 19100

Start Date: November 14, 2014

End Date: November 15, 2019

Number of Years: 5

Intersection Type: Four-Legged

Control Type: Signals

Area: Urban

$$\text{collision rate} = \frac{\text{Number of Collisions} \times 1 \text{ Million}}{\text{ADT} \times 365 \text{ Days per Year} \times \text{Number of Years}}$$

$$\text{collision rate} = \frac{2}{19,100} \times \frac{1,000,000}{365 \times 5}$$

	Collision Rate	Fatality Rate	Injury Rate
Study Intersection	0.06 c/mve	0.0%	0.0%
Statewide Average*	0.24 c/mve	0.5%	44.6%

ADT = average daily total vehicles entering intersection

c/mve = collisions per million vehicles entering intersection

* 2013 Collision Data on California State Highways, Caltrans

Intersection Collision Rate Calculations

TIS for the VA Hospital Project

Intersection # 5: Sebastopol Rd & Corporate Center Pkwy

Date of Count: Tuesday, February 19, 2019

Number of Collisions: 5

Number of Injuries: 0

Number of Fatalities: 0

ADT: 19300

Start Date: September 1, 2017

End Date: August 31, 2019

Number of Years: 2

Intersection Type: Four-Legged

Control Type: Signals

Area: Urban

$$\text{collision rate} = \frac{\text{Number of Collisions} \times 1 \text{ Million}}{\text{ADT} \times 365 \text{ Days per Year} \times \text{Number of Years}}$$

$$\text{collision rate} = \frac{5}{19,300} \times \frac{1,000,000}{365 \times 2}$$

	Collision Rate	Fatality Rate	Injury Rate
Study Intersection	0.35 c/mve	0.0%	0.0%
Statewide Average*	0.24 c/mve	0.5%	44.6%

ADT = average daily total vehicles entering intersection

c/mve = collisions per million vehicles entering intersection

* 2013 Collision Data on California State Highways, Caltrans

Intersection # 6: Sebastopol Rd & Stony Point Rd

Date of Count: Tuesday, September 25, 2018

Number of Collisions: 40

Number of Injuries: 18

Number of Fatalities: 0

ADT: 41000

Start Date: November 14, 2014

End Date: November 15, 2019

Number of Years: 5

Intersection Type: Four-Legged

Control Type: Signals

Area: Urban

$$\text{collision rate} = \frac{\text{Number of Collisions} \times 1 \text{ Million}}{\text{ADT} \times 365 \text{ Days per Year} \times \text{Number of Years}}$$

$$\text{collision rate} = \frac{40}{41,000} \times \frac{1,000,000}{365 \times 5}$$

	Collision Rate	Fatality Rate	Injury Rate
Study Intersection	0.53 c/mve	0.0%	45.0%
Statewide Average*	0.24 c/mve	0.5%	44.6%

ADT = average daily total vehicles entering intersection

c/mve = collisions per million vehicles entering intersection

* 2013 Collision Data on California State Highways, Caltrans

Intersection Collision Rate Calculations

TIS for the VA Hospital Project

Intersection # 7: Challenger Way & Corporate Center Pkwy

Date of Count: Thursday, December 5, 2019

Number of Collisions: 3

Number of Injuries: 1

Number of Fatalities: 0

ADT: 11100

Start Date: November 14, 2014

End Date: November 15, 2019

Number of Years: 5

Intersection Type: Four-Legged

Control Type: Stop & Yield Controls

Area: Urban

$$\text{collision rate} = \frac{\text{Number of Collisions} \times 1 \text{ Million}}{\text{ADT} \times 365 \text{ Days per Year} \times \text{Number of Years}}$$

$$\text{collision rate} = \frac{3}{11,100} \times \frac{1,000,000}{365 \times 5}$$

	Collision Rate	Fatality Rate	Injury Rate
Study Intersection	0.15 c/mve	0.0%	33.3%
Statewide Average*	0.13 c/mve	1.1%	43.8%

ADT = average daily total vehicles entering intersection

c/mve = collisions per million vehicles entering intersection

* 2013 Collision Data on California State Highways, Caltrans

Intersection # 8: Northpoint Pkwy & Corporate Center Pkwy

Date of Count: Tuesday, February 19, 2019

Number of Collisions: 1

Number of Injuries: 1

Number of Fatalities: 0

ADT: 7900

Start Date: November 14, 2014

End Date: November 15, 2019

Number of Years: 5

Intersection Type: Four-Legged

Control Type: 4 Way Flasher

Area: Urban

$$\text{collision rate} = \frac{\text{Number of Collisions} \times 1 \text{ Million}}{\text{ADT} \times 365 \text{ Days per Year} \times \text{Number of Years}}$$

$$\text{collision rate} = \frac{1}{7,900} \times \frac{1,000,000}{365 \times 5}$$

	Collision Rate	Fatality Rate	Injury Rate
Study Intersection	0.07 c/mve	0.0%	100.0%
Statewide Average*	0.22 c/mve	1.0%	34.6%

ADT = average daily total vehicles entering intersection

c/mve = collisions per million vehicles entering intersection

* 2013 Collision Data on California State Highways, Caltrans

Intersection Collision Rate Calculaions

TIS for the VA Hospital Project

Intersection # 9: Northpoint Pkwy & Stony Point Rd

Date of Count: Tuesday, September 25, 2018

Number of Collisions: 10

Number of Injuries: 5

Number of Fatalities: 0

ADT: 23800

Start Date: November 14, 2014

End Date: November 15, 2019

Number of Years: 5

Intersection Type: Four-Legged

Control Type: Signals

Area: Urban

$$\text{collision rate} = \frac{\text{Number of Collisions} \times 1 \text{ Million}}{\text{ADT} \times 365 \text{ Days per Year} \times \text{Number of Years}}$$

$$\text{collision rate} = \frac{10}{23,800} \times \frac{1,000,000}{365 \times 5}$$

	Collision Rate	Fatality Rate	Injury Rate
Study Intersection	0.23 c/mve	0.0%	50.0%
Statewide Average*	0.24 c/mve	0.5%	44.6%

ADT = average daily total vehicles entering intersection

c/mve = collisions per million vehicles entering intersection

* 2013 Collision Data on California State Highways, Caltrans



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Appendix B

Intersection Level of Service Calculations



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Intersection Level Of Service Report

Intersection 1: SR 12/Fulton Rd-Wright Rd

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

43.2
D
0.509

Control Type:
Analysis Method:
Analysis Period:

Signalized
HCM 2010
15 minutes

Intersection Setup

Name	N Wright Rd				Fulton Rd				SR 12			
Approach	Northbound				Southbound				Eastbound			
Lane Configuration	TTL				TTL				TTL			
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	17.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Pocket Length [ft]	200.00	100.00	140.00	180.00	100.00	150.00	160.00	100.00	280.00	110.00	100.00	300.00
Speed [mph]	35.00				45.00				55.00			
Grade [%]	0.00				0.00				0.00			
Crosswalk	No				No				No			

Volumes

Name	N Wright Rd				Fulton Rd				SR 12			
Base Volume Input [veh/h]	63	257	223	563	314	167	188	690	60	123	571	452
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	101	0	0	80	0	0	0	0	0	0
Total Hourly Volume [veh/h]	63	257	122	563	314	87	188	690	60	123	571	452
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	16	64	31	141	79	22	47	173	15	31	143	113
Total Analysis Volume [veh/h]	63	257	122	563	314	87	188	690	60	123	571	452
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0				0				0			
Bicycle Volume [bicyclist/h]	2				1				0			

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	130
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	16.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss
Signal Group	3	8	3	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups	Lag	-	-	Lead	-	-	Lag	-	-	Lead	-	-
Minimum Green [s]	6	10	6	10	10	0	6	15	0	6	15	0
Maximum Green [s]	15	35	15	35	45	0	28	20	0	17	20	0
Amber [s]	3.0	3.9	3.0	3.0	4.3	0.0	3.0	5.8	0.0	3.0	5.8	0.0
All red [s]	0.5	0.5	0.5	0.5	0.5	0.0	1.0	1.5	0.0	0.5	1.5	0.0
Split [s]	11	23	11	44	55	0	23	47	0	17	40	0
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.5	0.0	3.0	5.0	0.0	3.0	5.0	0.0
Walk [s]	0	7	0	0	0	0	0	0	0	0	0	0
Pedestrian Clearance [s]	0	30	0	0	0	0	0	0	0	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
12, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No	No	No	No	No	No	Yes	No	No	Yes	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	R	L	C	R	L	C	L	C
C, Cycle Length [s]		130	130	130	130	130	130	130	130	130	130
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
I1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g, I, Effective Green Time [s]		12	13	13	24	25	25	16	67	10	61
g / C, Green / Cycle		0.09	0.10	0.10	0.18	0.19	0.19	0.12	0.51	0.08	0.47
(v / s), I Volume / Saturation Flow Rate		0.04	0.07	0.08	0.16	0.17	0.05	0.11	0.19	0.07	0.16
s, saturation flow rate [veh/h]		1774	3547	1557	3445	1863	1625	1774	3547	1774	3547
c, Capacity [veh/h]		161	361	158	633	363	316	214	1816	141	1670
d1, Uniform Delay [s]		55.75	56.57	56.93	51.79	50.71	44.54	56.22	19.23	59.16	21.69
k, delay calibration		0.11	0.11	0.11	0.11	0.13	0.13	0.11	0.50	0.11	0.50
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		1.55	2.63	7.68	4.54	7.43	0.56	10.88	0.61	14.69	0.56
d3, Initial Queue Delay [s]		0.41	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.39	0.71	0.77	0.89	0.87	0.27	0.88	0.38	0.87	0.34
d, Delay for Lane Group [s/veh]		57.71	59.19	64.61	56.42	58.14	45.11	67.10	19.83	73.86	22.25
Lane Group LOS		E	E	E	E	E	D	E	B	E	C
Critical Lane Group		No	No	Yes	Yes	No	No	Yes	No	No	Yes
50th-Percentile Queue Length [veh/m]		2.01	4.20	4.22	9.12	10.39	2.40	6.48	5.97	4.38	5.10
50th-Percentile Queue Length [ft/m]		50.30	104.91	105.54	228.03	259.68	59.88	162.01	149.36	109.46	127.57
95th-Percentile Queue Length [veh/m]		3.62	7.55	7.59	14.07	15.67	4.31	10.66	9.98	7.81	8.81
95th-Percentile Queue Length [ft/m]		90.53	188.84	189.79	351.86	391.82	107.79	266.38	249.58	195.25	220.19

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	57.71	59.19	64.61	56.42	58.14	45.11	67.10	19.83	0.00	73.86	22.25	0.00		
Movement LOS	E	E	E	E	E	D	E	B	-	E	C	-		
d, A, Approach Delay [s/veh]	60.48			55.96			29.95			31.40				
Approach LOS	E			E			C			C				
d, I, Intersection Delay [s/veh]	43.24									D				
Intersection LOS	D									0.509				
Intersection V/C	0.509													

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-



Control Type :
Signalized
HCM 2010
Analysis Method:
Analysis Period:
15 minutes

Intersection Level Of Service Report
Intersection 2: Stony Point Rd/SR 12 West Ramps-Occidental Rd
Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):
34.5
C
0.414

Generated with
Version 7.00-05

Generated with
Version 7.00-05

Intersection Setup

Name	Stony Point Rd				Stony Point Rd				Occidental Rd				SR 12 WB Off-Ramp			
Approach	Northbound				Southbound				Eastbound				Westbound			
Lane Configuration	三				三				三				三			
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
Lane Width [ft]	12.00	12.00	16.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	2	0	1	2	0	1	
Pocket Length [ft]	150.00	100.00	100.00	110.00	100.00	100.00	100.00	100.00	100.00	100.00	450.00	100.00	100.00	275.00		
Speed [mph]	35.00				35.00				30.00				30.00			
Grade [%]	0.00				0.00				0.00				0.00			
Crosswalk	No				Yes				Yes				Yes			

Volumes

Name	Stony Point Rd				Stony Point Rd				Occidental Rd				SR 12 WB Off-Ramp			
Base Volume Input [veh/h]	44	550	72	0	744	41	62	0	233	713	71	406				
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	4	0	0	96	0	0	0	226			
Total Hourly Volume [veh/h]	44	550	72	0	744	37	62	0	135	713	71	178				
Peak Hour Factor	1.0000	1.0000	0.8540	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	
Total 15-Minute Volume [veh/h]	11	138	21	0	186	9	16	0	34	178	18	45				
Total Analysis Volume [veh/h]	44	550	84	0	744	37	62	0	135	713	71	178				
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No				
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0				
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0				
Pedestrian Volume [ped/h]	0	0	0	0	0	0	0	0	0	0	0	0				
Bicycle Volume [bicyclsh]	0	0	0	0	5	5	0	0	0	0	2	0				

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Unsignal	Permiss	Permiss	Split	Permiss	Overlap	Split	Split
Signal Group	3	8	0	0	4	0	2	0	2	0
Auxiliary Signal Groups	Lead	-	-	-	-	Lead	-	-	-	-
Minimum Green [s]	5	5	0	0	5	0	5	0	5	0
Maximum Green [s]	30	30	0	0	30	0	30	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0
Split [s]	9	41	0	0	32	0	9	0	9	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0
Walk [s]	0	7	0	0	7	0	0	0	0	0
Pedestrian Clearance [s]	0	14	0	0	21	0	0	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	C	C	L	R	L	C	R
C, Cycle Length [s]		120	120	120	120	120	120	120	120	120
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g, I, Effective Green Time [s]		34	73	34	34	7	45	29	29	29
g / C, Green / Cycle		0.29	0.60	0.29	0.29	0.06	0.37	0.24	0.24	0.24
(v / s), Volume / Saturation Flow Rate		0.02	0.16	0.15	0.14	0.03	0.05	0.21	0.07	0.08
s, saturation flow rate [veh/h]		1774	3547	3547	1809	1774	2803	3445	1723	1567
c, Capacity [veh/h]		506	2140	1011	516	100	1049	829	414	377
d1, Uniform Delay [s]		31.48	11.18	35.99	35.86	55.45	24.69	43.68	37.34	37.62
k, delay calibration		0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11	0.11
l, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.34	0.29	1.87	3.50	6.22	0.05	2.76	0.40	0.51
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

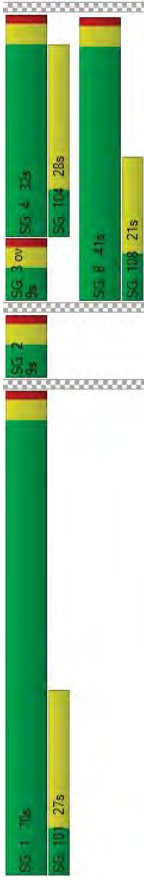
X, volume / capacity		0.09	0.26	0.52	0.50	0.62	0.13	0.86	0.30	0.33
d, Delay for Lane Group [s/veh]		31.82	11.47	37.86	39.37	61.66	24.75	46.44	37.74	38.12
Lane Group LOS		C	B	D	D	E	C	D	D	D
Critical Lane Group		Yes	No	Yes	No	Yes	No	Yes	No	No
50th-Percentile Queue Length [veh/m]		0.98	3.37	6.59	6.80	2.01	1.28	10.41	3.07	3.08
50th-Percentile Queue Length [ft/m]		24.56	84.25	164.63	170.06	50.26	32.09	260.24	76.66	77.04
95th-Percentile Queue Length [veh/m]		1.77	6.07	10.79	11.08	3.62	2.31	15.70	5.52	5.55
95th-Percentile Queue Length [ft/m]		44.21	151.64	269.85	277.00	90.48	57.76	392.52	137.98	138.88

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]		31.82	11.47	0.00	0.00	38.31	39.37	61.66	0.00	24.75	46.44	37.74	38.01
Movement LOS		C	B			D	D	E		C	D	D	D
d, A, Approach Delay [s/veh]			12.98			38.36			36.37			44.24	
Approach LOS			B			D			D			D	
d, I, Intersection Delay [s/veh]							34.49						
Intersection LOS							C						
Intersection V/C							0.414						

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-
Ring 2	-	-	-	8	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 3: Stony Point Rd/SR 12 East Ramps

Control Type: Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes

Delay (sec / veh): 30.8
Level Of Service: C
Volume to Capacity (v/c): 0.774

Intersection Setup

Name	Stony Point Rd Northbound			Stony Point Rd Southbound			SR 12 EB Off-Ramp Eastbound			SR 12 EB On-Ramp Westbound		
Approach												
Lane Configuration	三三三			三三三			rrr					
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	170.00	390.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	35.00			35.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			No			Yes			Yes		

Volumes

Name	Stony Point Rd		Stony Point Rd		SR 12 EB Off-Ramp		SR 12 EB On-Ramp					
	0	802	656	574	1571	0	75	0	85	0	0	0
Base Volume Input [veh/h]	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0
Base Volume Adjustment Factor	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Heavy Vehicles Percentage [%]	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0
Growth Factor	0	0	0	0	0	0	0	0	0	0	0	0
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	43	0	0	0
Total Hourly Volume [veh/h]	0	802	656	574	1571	0	75	0	42	0	0	0
Peak Hour Factor	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0
Other Adjustment Factor	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0
Total 15-Minute Volume [veh/h]	0	201	164	144	393	0	19	0	11	0	0	0
Total Analysis Volume [veh/h]	0	802	656	574	1571	0	75	0	42	0	0	0
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	2	0	0	0	0	0	3	0	0	0	0	0
Bicycle Volume [bicycl/h]	4	0	5	5	0	0	0	0	0	0	0	0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	7	4	0	2	0
Auxiliary Signal Groups	-	-	-	-	-	-	-	-
Lead / Lag	-	-	-	-	-	-	-	-
Minimum Green [s]	0	15	0	5	5	0	5	0
Maximum Green [s]	0	45	0	20	20	0	20	0
Amber [s]	0.0	3.0	0.0	4.1	4.1	0.0	3.9	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0
Split [s]	0	49	0	39	88	0	32	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0
Walk [s]	0	7	0	7	7	0	8	0
Pedestrian Clearance [s]	0	8	0	14	14	0	19	0
Rest In Walk	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	0.0	2.0	0.0	3.1	3.1	0.0	2.9	0.0
Minimum Recall	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		C	R	L	C	L	R
C, Cycle Length [s]		74	74	74	74	74	74
L, Total Lost Time per Cycle [s]		4.00	4.00	5.10	5.10	4.90	4.90
I1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	3.10	3.10	2.90	2.90
g, I, Effective Green Time [s]		35	35	20	59	5	5
g / C, Green / Cycle		0.47	0.47	0.27	0.80	0.07	0.07
(v / s), I Volume / Saturation Flow Rate		0.23	0.42	0.32	0.44	0.02	0.03
s, saturation flow rate [veh/h]		3547	1547	1774	3545	3445	1569
c, Capacity [veh/h]		1676	731	479	2826	235	107
d1, Uniform Delay [s]		13.31	17.88	27.01	2.74	32.85	33.02
k, delay calibration		0.11	0.24	0.50	0.27	0.11	0.11
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.21	8.70	107.65	0.43	0.78	2.33
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

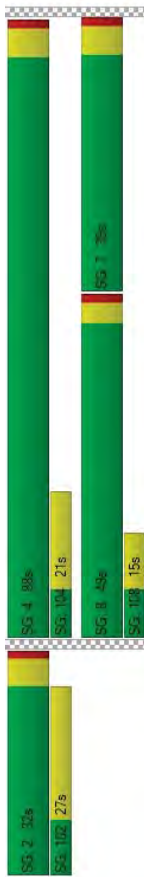
X, volume / capacity	0.48	0.90	1.20	0.56	0.32	0.39
d, Delay for Lane Group [s/veh]	13.52	26.58	134.66	3.18	33.63	35.36
Lane Group LOS	B	C	F	A	C	D
Critical Lane Group	No	Yes	Yes	No	No	Yes
50th-Percentile Queue Length [veh/m]	4.06	10.57	22.13	1.67	0.65	0.77
50th-Percentile Queue Length [ft/m]	101.38	264.32	553.34	41.76	16.22	19.28
95th-Percentile Queue Length [veh/m]	7.30	15.91	33.02	3.01	1.17	1.39
95th-Percentile Queue Length [ft/m]	182.49	397.63	825.45	75.16	29.19	34.70

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	0.00	13.52	26.58	134.66	3.18	0.00	33.63	0.00	35.36	0.00	0.00
Movement LOS		B	C	F	A		C		D		
d, A, Approach Delay [s/veh]		19.40			38.36			34.25			0.00
Approach LOS		B			D			C			A
d, I, Intersection Delay [s/veh]							30.80				
Intersection LOS							C				
Intersection V/C							0.774				

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-
Ring 2	-	-	7	8	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Control Type :
Signalized
HCM 2010
Analysis Method:
Analysis Period:
15 minutes

Intersection 4: Sebastopol Rd/North Wright Rd-South Wright Rd
Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

28.7
C
0.746

Intersection Setup

Name	S Wright Rd			N Wright Rd			Sebastopol Rd		
Approach	Northbound			Southbound			Eastbound		
Lane Configuration	T			T			+		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	20.00	20.00	10.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	1	0
Pocket Length [ft]	40.00	100.00	100.00	150.00	100.00	100.00	100.00	200.00	100.00
Speed [mph]	35.00			35.00			25.00		
Grade [%]	0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes		

Volumes

Name	S Wright Rd			N Wright Rd			Sebastopol Rd		
Base Volume Input [veh/h]	5	335	94	354	353	19	17	7	3
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	14	0	0	3	0	0	0
Total Hourly Volume [veh/h]	5	335	80	354	353	16	17	7	3
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	84	20	89	88	4	4	2	1
Total Analysis Volume [veh/h]	5	335	80	354	353	16	17	7	3
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	0	0	0	0	0
Bicycle Volume [bicyclist/h]	0	0	0	0	2	0	0	1	0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Split	Split	Split	Split	Overlap
Signal Group	3	8	0	7	4	0	0	0	5	0	0	0	6
Auxiliary Signal Groups	Lag	-	-	Lag	-	-	-	-	-	-	-	-	36.7
Lead / Lag	4	4	0	4	4	0	0	0	5	0	0	0	5
Minimum Green [s]	15	30	0	20	30	0	0	25	0	0	0	25	25
Maximum Green [s]	3.1	3.3	0.0	3.1	4.2	0.0	0.0	3.1	0.0	0.0	0.0	3.9	3.9
Amber [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All red [s]	9	27	0	9	27	0	0	27	0	0	0	27	27
Split [s]	2.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	2.0
Vehicle Extension [s]	0	7	0	0	7	0	0	7	0	0	0	7	7
Walk [s]	0	16	0	0	7	0	0	16	0	0	0	16	16
Pedestrian Clearance [s]	Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	2.0
12, Clearance Lost Time [s]	1.1	1.3	0.0	1.1	2.2	0.0	0.0	1.1	0.0	0.0	0.0	1.9	1.9
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	L	C	L	C	L	C	L	C	R
C, Cycle Length [s]	67	67	67	67	67	67	67	67	67	67	67
L, Total Lost Time per Cycle [s]	3.10	3.30	3.10	4.20	4.20	3.10	3.30	3.10	3.30	3.10	3.10
l1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	1.10	1.30	1.10	2.20	2.20	1.10	1.90	1.10	1.90	1.10	1.10
g, I, Effective Green Time [s]	24	17	17	9	9	2	17	65	17	65	65
g / C, Green / Cycle	0.36	0.25	0.26	0.13	0.13	0.03	0.26	0.98	0.26	0.98	0.98
(v / s), Volume / Saturation Flow Rate	0.00	0.22	0.20	0.10	0.10	0.02	0.08	0.24	0.08	0.24	0.24
s, saturation flow rate [veh/h]	1774	1874	1774	1863	1834	1772	1779	1583	1779	1583	1583
c, Capacity [veh/h]	644	471	457	246	243	53	464	1556	464	1556	1556
d1, Uniform Delay [s]	13.58	24.05	23.00	27.94	27.94	31.92	19.87	34.56	19.87	34.56	34.56
k, delay calibration	0.04	0.04	0.16	0.04	0.04	0.04	0.04	0.50	0.04	0.50	0.50
l, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.00	2.19	4.19	1.77	1.81	2.80	0.14	0.38	0.14	0.38	0.38
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.01	0.88	0.77	0.75	0.76	0.51	0.31	0.25	0.31	0.25	0.25
d, Delay for Lane Group [s/veh]	13.59	26.25	27.19	29.72	29.75	34.72	20.01	34.94	20.01	34.94	34.94
Lane Group LOS	B	C	C	C	C	C	C	C	C	C	C
Critical Lane Group	No	Yes	Yes	No	No	Yes	No	Yes	No	Yes	Yes
50th-Percentile Queue Length [veh/m]	0.04	6.02	5.23	2.79	2.76	0.46	1.64	4.45	1.64	4.45	4.45
50th-Percentile Queue Length [ft/m]	1.10	150.46	130.73	69.85	68.92	11.51	40.95	111.14	40.95	111.14	111.14
95th-Percentile Queue Length [veh/m]	0.08	10.04	8.98	5.03	4.96	0.83	2.95	7.90	2.95	7.90	7.90
95th-Percentile Queue Length [ft/m]	1.97	251.04	224.49	125.73	124.05	20.72	73.70	197.59	73.70	197.59	197.59

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	13.59	26.25	27.19	29.73	29.75	34.72	34.72	34.72	34.72	20.01	34.94
Movement LOS	B	C	C	C	C	C	C	C	C	C	C
d, A, Approach Delay [s/veh]	26.10	26.10	26.10	28.49	28.49	34.72	34.72	34.72	34.72	30.86	30.86
Approach LOS	C	C	C	C	C	C	C	C	C	C	C
d, I, Intersection Delay [s/veh]	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73
Intersection LOS	C	C	C	C	C	C	C	C	C	C	C
Intersection V/C	0.746	0.746	0.746	0.746	0.746	0.746	0.746	0.746	0.746	0.746	0.746

Sequence

Ring 1	-	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 5: Corporate Center Pkwy/Sebastopol Rd

Control Type : Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes
Delay (sec / veh): 24.4
Level Of Service: C
Volume to Capacity (v/c): 0.662

Intersection Setup

Name	Corporate Center Pkwy				Corporate Center Pkwy				Sebastopol Rd			
Approach	Northbound				Southbound				Eastbound			
Lane Configuration	T				T				T			
Turning Movement	Left	Thru	Right		Left	Thru	Right		Left	Thru	Right	
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	150.00	100.00	100.00
Speed [mph]	40.00				25.00				40.00			
Grade [%]	0.00				0.00				0.00			
Crosswalk	Yes				Yes				No			

Volumes

Name	Corporate Center Pkwy				Corporate Center Pkwy				Sebastopol Rd			
Base Volume Input [veh/h]	120	0	167	0	0	0	0	0	1	230	414	626
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	120	0	167	0	0	0	0	0	1	230	414	626
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	30	0	42	0	0	0	0	0	0	58	104	157
Total Analysis Volume [veh/h]	120	0	167	0	0	0	0	0	1	230	414	626
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0				0				0			
Bicycle Volume [bicyclsh]	0				0				1			

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	110
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Split	Permiss	Permiss
Signal Group	0	3	0	0	4	0	5	2	0
Auxiliary Signal Groups	-	-	-	-	-	-	-	-	-
Lead / Lag	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	5	0	0	6	0	7	0	6
Maximum Green [s]	0	40	0	0	50	0	30	0	30
Amber [s]	0.0	3.9	0.0	0.0	3.0	0.0	3.9	0.0	3.9
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0
Split [s]	0	35	0	0	10	0	12	35	0
Vehicle Extension [s]	0.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0
Walk [s]	0	7	0	0	0	0	7	0	7
Pedestrian Clearance [s]	0	23	0	0	0	0	23	0	21
Rest In Walk	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0
12, Clearance Lost Time [s]	0.0	2.9	0.0	0.0	2.0	0.0	2.9	0.0	2.9
Minimum Recall	No	No	No	No	No	No	No	Yes	No
Maximum Recall	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C	L	C	C	C	L	C	C
C, Cycle Length [s]	66	66	66	66	66	66	66	66	66	66	66
L, Total Lost Time per Cycle [s]	4.90	4.90	4.00	4.00	4.90	4.90	4.90	4.90	4.90	4.90	4.90
l1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	2.00	0.00	0.00
l2, Clearance Lost Time [s]	2.90	2.90	2.00	2.00	0.00	2.90	2.90	0.00	0.00	2.90	2.90
g, I, Effective Green Time [s]	9	9	0	0	43	20	20	20	43	20	20
g / C, Green / Cycle	0.14	0.14	0.00	0.00	0.65	0.30	0.30	0.65	0.31	0.31	0.31
(v / s), Volume / Saturation Flow Rate	0.07	0.11	0.00	0.00	0.00	0.12	0.26	0.46	0.14	0.14	0.14
s, saturation flow rate [veh/h]	1774	1583	1863	1695	1496	1863	1963	1368	1858	1858	1858
c, Capacity [veh/h]	243	217	0	0	881	566	467	740	577	577	577
d1, Uniform Delay [s]	26.39	27.51	0.00	0.00	7.68	18.54	22.10	15.93	18.15	18.15	18.15
k, delay calibration	0.04	0.04	0.04	0.04	0.04	0.11	0.07	0.43	0.04	0.04	0.04
l, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.58	2.20	0.00	0.00	0.00	0.49	3.90	9.93	0.19	0.19	0.19
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.14
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.49	0.77	0.00	0.00	0.00	0.41	0.89	0.85	0.44		
d, Delay for Lane Group [s/veh]	26.97	29.71	0.00	0.00	7.68	19.03	26.00	25.86	18.49		
Lane Group LOS	C	C	A	A	A	B	C	C	B		
Critical Lane Group	No	Yes	No	No	No	No	Yes	Yes	No		
50th-Percentile Queue Length [veh/m]	1.64	2.46	0.00	0.00	0.00	2.57	5.86	4.94	2.73		
50th-Percentile Queue Length [ft/m]	41.08	61.47	0.00	0.00	0.08	64.24	146.41	123.52	68.21		
95th-Percentile Queue Length [veh/m]	2.96	4.43	0.00	0.00	0.01	4.63	9.83	8.59	4.91		
95th-Percentile Queue Length [ft/m]	73.94	110.65	0.00	0.00	0.14	115.63	245.63	214.65	122.78		

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	26.97	29.71	29.71	0.00	0.00	0.00	7.68	19.03	26.00	25.86	18.49	18.49
Movement LOS	C	C	C	A	A	A	A	B	C	C	B	B
d_A, Approach Delay [s/veh]		26.56			0.00			23.48			23.75	
Approach LOS		C			A			C			C	
d_I, Intersection Delay [s/veh]							24.42					
Intersection LOS							C					
Intersection V/C							0.662					

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection 6: Sebastopol Rd/Stony Point Rd

Signalized

U

Lane Configuration	זוּלָה						זוּרָה						זוּרָה					
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right			
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00			
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	0	1	0	1	1	0	0			
Pocket Length [ft]	170.00	100.00	100.00	200.00	100.00	100.00	300.00	100.00	100.00	50.00	100.00	100.00	105.00	100.00	100.00			
Speed [mph]	35.00			35.00			40.00						30.00					
Grade [%]	0.00			0.00			0.00						0.00					

Base volume input (veh/h)	60	671	76	190	778	678	384	202	100	68	240
Base volume adjustment factor	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Heavy Vehicles Percentage (%)	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
In-Process Volume (veh/h)	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips (veh/h)	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips (veh/h)	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips (veh/h)	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume (veh/h)	0	0	0	0	0	0	0	0	0	0	0
Other Volume (veh/h)	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume (veh/h)	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume (veh/h)	80	871	76	190	778	678	384	202	100	88	240
Peak Hour Factor	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Other Adjustment Factor	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Total 15-Minute Volume (veh/h)	20	218	19	48	195	170	96	51	25	22	60
Total Analysis Volume (veh/h)	80	871	76	190	778	678	384	202	100	88	240
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate (/h)	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate (/h)	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume (ped/h)	6			16				13		3	
Bicycle Volume (bicyc/h)	1			4				0		0	

located

Signal Coordination Group	
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Con

[illegible]

Detection Signal C

Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	C	L	C	R	L	C	R	L	C	R
C, Cycle Length [s]		86	86	86	86	86	86	86	86	86	86	86	86
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
I1, P, Permitted Start-Up Lost Time [s]		2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	0.00	2.00	2.00	2.00	2.00	2.00	0.00
g, I, Effective Green Time [s]		8	25	25	12	29	63	18	27	27	6	15	53
g / C, Green / Cycle		0.09	0.29	0.29	0.14	0.34	0.73	0.21	0.32	0.32	0.07	0.18	0.62
(v / s), Volume / Saturation Flow Rate		0.06	0.26	0.26	0.11	0.22	0.44	0.14	0.11	0.06	0.05	0.12	0.15
s, saturation flow rate [veh/h]		1412	1863	1802	1774	3547	1535	2741	1863	1574	1774	1863	1571
c, Capacity [veh/h]		176	542	524	245	1205	1121	588	595	503	116	329	968
d1, Uniform Delay [s]		39.70	29.06	29.11	35.67	23.93	5.59	33.20	22.26	21.20	39.41	33.13	7.46
k, delay calibration		0.11	0.26	0.26	0.11	0.11	0.50	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		1.82	11.02	11.81	5.24	0.59	2.43	1.23	0.34	0.19	9.80	2.63	0.13
d3, Initial Queue Delay [s]		0.35	0.00	0.00	0.00	0.00	0.01	0.14	0.14	0.14	32.12	3.38	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

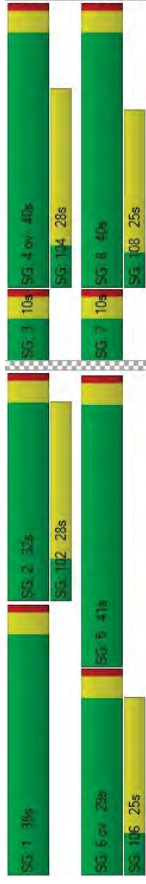
X, volume / capacity		0.45	0.89	0.89	0.78	0.65	0.61	0.65	0.34	0.20	0.76	0.69	0.25
d, Delay for Lane Group [s/veh]		41.88	40.08	40.92	40.92	24.52	8.03	34.57	22.74	21.53	81.34	39.14	7.59
Lane Group LOS		D	D	D	D	C	A	C	C	C	F	D	A
Critical Lane Group		No	No	Yes	Yes	No	Yes	No	No	No	No	No	Yes
50th-Percentile Queue Length [veh/m]		1.71	10.57	10.40	4.06	6.38	4.77	3.69	2.97	1.40	2.11	4.58	1.81
50th-Percentile Queue Length [ft/m]		42.80	264.28	259.99	101.54	159.62	119.31	92.25	74.17	34.97	52.71	114.62	45.17
95th-Percentile Queue Length [veh/m]		3.08	15.90	15.69	7.31	10.53	8.36	6.64	5.34	2.52	3.80	8.10	3.25
95th-Percentile Queue Length [ft/m]		77.05	397.59	392.21	182.77	263.22	208.88	166.06	133.51	62.95	94.88	202.41	81.31

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]		41.88	40.45	40.92	40.92	24.52	8.03	34.57	22.74	21.53	81.34	39.14	7.59
Movement LOS		D	D	D	D	C	A	C	C	C	F	D	A
d, A, Approach Delay [s/veh]			40.60			19.62			29.19		32.20		
Approach LOS			D			B			C		C		
d, I, Intersection Delay [s/veh]							28.59						
Intersection LOS							C						
Intersection V/C							0.776						

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 7: Challenger Way/Corporate Center Pkwy

Two-way stop

HCM 6th Edition
Level Of Service:

Volume to Capacity (v/c):

Intersection Setup

Name	Corporate Center Pkwy			Corporate Center Pkwy			Challenger Way		
Approach	Northbound			Southbound			Eastbound		
Lane Configuration									
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00			40.00			25.00		
Grade [%]	0.00			0.00			0.00		
Crosswalk	No			No			No		

Volumes

Name	Corporate Center Pkwy			Corporate Center Pkwy			Challenger Way			Challenger Way		
Base Volume Input [veh/h]	9	262	7	6	762	3	2	1	0	4	0	3
Base Volume Adjustment Factor	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Heavy Vehicles Percentage [%]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Growth Factor	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	9	262	7	6	762	3	2	1	0	4	0	3
Peak Hour Factor	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Other Adjustment Factor	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Total 15-Minute Volume [veh/h]	2	66	2	2	191	1	1	0	0	1	0	1
Total Analysis Volume [veh/h]	9	262	7	6	762	3	2	1	0	4	0	3
Pedestrian Volume [ped/h]		0		0	0		0	0		0		0

Intersection Settings

	Free	Free	Slop	Slop
Priority Scheme				
Flared Lane			No	No
Storage Area [veh]	0	0	0	0
Two-Stage Gap-Acceptance			No	
Number of Storage Spaces in Median	0	0	0	0

Movement Approach. & Intersection Results

V/C Movement V/C Ratio	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00
d_M, Delay for Movement [s/veh]	9.31	0.00	0.00	7.80	0.00	0.00	0.00	21.53	21.70	11.07	15.92	21.55	9.17	0.00
Movement/LOS	A	A	A	A	A	A	A	C	B	C	A	C	A	A
95th-Percentile Queue Length [veh/ln]	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.04	0.04	0.04	0.05	0.05	0.05	0.00
95th-Percentile Queue Length [ft/ln]	0.81	0.00	0.00	0.35	0.00	0.00	0.00	1.04	1.04	1.04	1.17	1.17	1.17	0.00
d_A, Approach Delay [s/veh]		0.30					0.06		21.59				13.02	
Approach LOS		A				A			C				B	
d_I, Intersection Delay [s/veh]								0.27						
Intersection LOS								C						

Control Type : All-way stop
Analysis Method: HCM 2010
Analysis Period: 15 minutes

Delay (sec / veh): 10.7
Level Of Service: B
Volume to Capacity (v/c): 0.447

Intersection Level Of Service Report

Intersection 8: Corporate Center Pkwy/Northpoint Pkwy

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

Intersection Setup

Name	Corporate Center Pkwy			Corporate Center Pkwy			Northpoint Pkwy			Northpoint Pkwy
Approach	Northbound			Southbound			Eastbound			Westbound
Lane Configuration										
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	1	0	0	1	0	0	1
Pocket Length [ft]	100.00	100.00	100.00	120.00	100.00	100.00	125.00	100.00	100.00	100.00
Speed [mph]	40.00			40.00			40.00			40.00
Grade [%]	0.00			0.00			0.00			0.00
Crosswalk	Yes			Yes			Yes			Yes

Volumes

Name	Corporate Center Pkwy			Corporate Center Pkwy			Northpoint Pkwy			Northpoint Pkwy
Base Volume Input [veh/h]	1	6	4	158	27	55	102	56	3	27
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	1	6	4	158	27	55	102	56	3	27
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	2	1	40	7	14	26	14	1	7
Total Analysis Volume [veh/h]	1	6	4	158	27	55	102	56	3	27
Pedestrian Volume [ped/h]	0			0			0			0



Intersection Settings

Lanes

Capacity per Entry Lane [veh/h]	580	575	623	708	548	594	601	579	629	717
Degree of Utilization, x	0.02	0.27	0.04	0.08	0.19	0.05	0.05	0.05	0.06	0.45

Movement, Approach, & Intersection Results

95th-Percentile Queue Length [veh]	0.06	1.11	0.14	0.25	0.68	0.16	0.15	0.15	0.18	2.32
95th-Percentile Queue Length [ft]	1.45	27.83	3.39	6.30	16.94	3.92	3.87	3.66	4.54	57.97
Approach Delay [s/veh]	9.33		10.32			10.13			11.26	
Approach LOS	A		B			B			B	
Intersection Delay [s/veh]	10.72									
Intersection LOS	B									



Intersection Level Of Service Report
Intersection 9 : Northpoint Pkwy/Stony Point Rd

Control Type : Signalized
Analysis Method : HCM 2010
Analysis Period : 15 minutes
Delay (sec / veh): 9.6
Level Of Service: A
Volume to Capacity (v/c): 0.450

Intersection Setup

Name	Stony Point Rd			Stony Point Rd			Northpoint Pkwy			Northpoint Pkwy		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration	LL			LL			LL			LL		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	300.00	100.00	100.00	120.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00			40.00			40.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			Yes			No		

Volumes

Name	Stony Point Rd			Stony Point Rd			Northpoint Pkwy			Northpoint Pkwy		
Base Volume Input [veh/h]	377	776	0	0	786	111	56	0	182	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	377	776	0	0	786	111	56	0	182	0	0	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	94	194	0	0	197	28	14	0	46	0	0	0
Total Analysis Volume [veh/h]	377	776	0	0	786	111	56	0	182	0	0	0
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0			4			2			0		
Bicycle Volume [bicycles/h]	1			6			3			4		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	ProtPer	Permiss	ProtPer	Permiss	Split	Permiss	Split	Overlap	Split	Split
Signal Group	3	8	0	7	4	0	2	0	3	0
Auxiliary Signal Groups	Lead	-	-	Lead	-	-	Lead	-	-	-
Minimum Green [s]	5	5	0	5	7	0	5	0	5	0
Maximum Green [s]	15	15	0	15	20	0	40	0	15	0
Amber [s]	4.3	3.0	0.0	3.0	4.3	0.0	4.3	0.0	4.3	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	1.0	0.0
Split [s]	56	81	0	9	34	0	30	0	56	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0	3.0	0.0
Walk [s]	0	0	0	0	7	0	0	0	0	0
Pedestrian Clearance [s]	0	0	0	0	21	0	0	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	3.3	2.0	0.0	2.0	3.3	0.0	3.3	0.0	3.3	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	L	R	C
C, Cycle Length [s]	42	42	42	42	5.30	5.30	42	42	42	42	42
L, Total Lost Time per Cycle [s]	4.65	4.00	4.00	5.30	5.30	5.30	5.30	5.30	5.30	5.30	5.30
l1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	2.00
l2, Clearance Lost Time [s]	0.00	2.00	2.00	0.00	3.30	3.30	3.30	0.00	0.00	0.00	3.30
g, I, Effective Green Time [s]	27	23	23	28	13	13	6	18	18	18	6
g / C, Green / Cycle	0.64	0.55	0.55	0.61	0.32	0.32	0.14	0.43	0.43	0.43	0.14
(v / s), Volume / Saturation Flow Rate	0.21	0.21	0.21	0.00	0.25	0.25	0.04	0.12	0.12	0.12	0.00
s, saturation flow rate [veh/h]	1771	1863	1863	1690	1863	1774	1401	1562	1562	1562	1863
c, Capacity [veh/h]	1139	1021	1021	1089	592	564	295	670	670	670	337
d1, Uniform Delay [s]	3.39	5.41	5.41	0.00	12.93	12.96	18.17	7.73	7.73	7.73	0.00
k, delay calibration	0.11	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
l, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.17	0.26	0.26	0.00	2.19	2.36	0.31	0.22	0.22	0.22	0.00
d3, Initial Queue Delay [s]	0.07	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.33	0.38	0.38	0.00	0.77	0.78	0.19	0.27	0.27	0.27	0.00
d, Delay for Lane Group [s/veh]	3.63	5.67	5.67	0.00	15.13	15.31	18.64	7.95	7.95	7.95	0.00
Lane Group LOS	A	A	A	A	B	B	B	A	A	A	A
Critical Lane Group	Yes	No	No	No	No	Yes	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/m]	0.45	1.03	1.03	0.00	3.17	3.06	0.45	0.72	0.72	0.72	0.00
50th-Percentile Queue Length [ft/m]	11.32	25.65	25.65	0.00	79.24	76.58	11.24	18.01	18.01	18.01	0.00
95th-Percentile Queue Length [veh/m]	0.81	1.85	1.85	0.00	5.71	5.51	0.81	1.30	1.30	1.30	0.00
95th-Percentile Queue Length [ft/m]	20.37	46.18	46.18	0.00	142.63	137.85	20.23	32.42	32.42	32.42	0.00

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	3.63	5.67	5.67	0.00	15.21	15.31	18.64	0.00	7.95	0.00	0.00	0.00
Movement LOS	A	A	A	A	B	B	B		A	A	A	A
d, A, Approach Delay [s/veh]			5.00		15.22			10.47				0.00
Approach LOS			A		B			B			A	A
d, I, Intersection Delay [s/veh]					9.57							
Intersection LOS					A							
Intersection V/C					0.450							

Sequence

Ring 1	-	2	3	4	-	-	-	-	-	-	-	-
Ring 2	-	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 1: SR 12/Fulton Rd-Wright Rd

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

51.0
D
0.699

Control Type :
Analysis Method:
Analysis Period:

Signalized
HCM 2010
15 minutes

Intersection Setup

Name	N Wright Rd				Fulton Rd				SR 12			
Approach	Northbound				Southbound				Eastbound			
Lane Configuration	TTL				TTL				TTL			
Turning Movement	Left	Thru	Right		Left	Thru	Right		Left	Thru	Right	
Lane Width [ft]	12.00	12.00	12.00	14.00	12.00	12.00	14.00	16.00	12.00	12.00	17.00	
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Pocket Length [ft]	200.00	100.00	140.00	180.00	100.00	150.00	160.00	100.00	280.00	110.00	100.00	300.00
Speed [mph]	35.00				45.00				55.00			
Grade [%]	0.00				0.00				0.00			
Crosswalk	No				No				No			

Volumes

Name	N Wright Rd				Fulton Rd				SR 12			
Base Volume Input [veh/h]	86	591	253	1,000	637	488	172	229	790	65	222	741
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	70	0	0	86	0	0	0	0	0	0
Total Hourly Volume [veh/h]	86	591	183	637	488	84	229	790	65	222	741	646
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	22	148	46	159	122	21	57	198	16	56	185	162
Total Analysis Volume [veh/h]	86	591	183	637	488	84	229	790	65	222	741	646
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	0	0	0	0	0	0	0	0
Bicycle Volume [bicyclist/h]	2	0	0	0	3	0	0	0	0	0	0	0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	130
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	55.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Unsigna	Protecte	Permiss	Unsigna
Signal Group	3	8	3	7	4	0	5	2	0	1	6	0		
Auxiliary Signal Groups														
Lead / Lag	Lag	-	-	Lead	-	-	Lead	-	-	Lag	-			
Minimum Green [s]	6	10	6	10	10	0	6	15	0	6	15	0		
Maximum Green [s]	15	35	15	35	45	0	28	20	0	17	20	0		
Amber [s]	3.0	3.9	3.0	3.0	4.3	0.0	3.0	5.8	0.0	3.0	5.8	0.0		
All red [s]	0.5	0.5	0.5	0.5	0.5	0.0	1.0	1.5	0.0	0.5	1.5	0.0		
Split [s]	15	25	15	33	43	0	26	45	0	27	46	0		
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.5	0.0	3.0	5.0	0.0	3.0	5.0	0.0		
Walk [s]	0	7	0	0	0	0	0	0	0	0	0	0		
Pedestrian Clearance [s]	0	30	0	0	0	0	0	0	0	0	0	0		
Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No		
11, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0		
12, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0		
Minimum Recall	No	No	No	No	No	No	No	Yes	No	No	Yes	No		
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No		
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No		
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	R	L	C	R	L	C	L	C
C, Cycle Length [s]		130	130	130	130	130	130	130	130	130	130
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
I1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g, I, Effective Green Time [s]		13	24	24	28	37	37	19	47	18	46
g / C, Green / Cycle		0.10	0.18	0.18	0.20	0.29	0.29	0.14	0.36	0.14	0.35
(v / s), I Volume / Saturation Flow Rate		0.05	0.17	0.12	0.18	0.26	0.05	0.13	0.22	0.13	0.21
s, saturation flow rate [veh/h]		1774	3547	1560	3445	1863	1623	1774	3547	1774	3547
c, Capacity [veh/h]		171	646	284	688	532	464	255	1270	243	1245
d1, Uniform Delay [s]		55.79	52.17	49.25	51.08	44.95	34.99	54.72	34.48	55.36	34.60
k, delay calibration		0.11	0.11	0.11	0.11	0.30	0.13	0.15	0.50	0.22	0.50
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		2.28	5.60	2.43	5.96	15.65	0.22	14.55	2.30	21.78	2.10
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.50	0.91	0.64	0.83	0.92	0.18	0.90	0.62	0.91	0.60
d, Delay for Lane Group [s/veh]		58.06	57.77	51.68	57.10	60.60	35.21	69.27	36.78	77.13	36.70
Lane Group LOS		E	E	D	E	E	D	E	D	E	D
Critical Lane Group		No	Yes	No	Yes	No	No	No	Yes	Yes	No
50th-Percentile Queue Length [veh/m]		2.78	9.87	5.67	10.47	17.02	2.00	8.11	10.15	8.24	9.24
50th-Percentile Queue Length [ft/m]		69.39	246.70	141.68	261.78	425.42	49.97	202.63	253.70	206.09	231.09
95th-Percentile Queue Length [veh/m]		5.00	15.02	9.57	15.78	23.78	3.60	12.77	15.37	12.95	14.23
95th-Percentile Queue Length [ft/m]		124.90	375.49	239.29	394.45	594.56	89.94	319.36	384.31	323.81	355.74

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	58.06	57.77	51.68	57.10	60.60	35.21	69.27	36.78	0.00	77.13	36.70	0.00
Movement LOS	E	E	D	E	E	D	E	D		E	D	
d_A, Approach Delay [s/veh]		56.50			56.99			44.08			46.02	
Approach LOS		E			E			D			D	
d_I, Intersection Delay [s/veh]						51.03						
Intersection LOS						D						
Intersection V/C						0.699						

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 2: Stony Point Rd/SR-12 West Ramps-Occidental Rd

Signalized
HCM 2010
Analysis Method:
Analysis Period:
15 minutes
Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):
46.0
D
0.572

Intersection Setup

Name	Stony Point Rd			Stony Point Rd			Occidental Rd			SR-12 WB Off-Ramp		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration	TTL			TTL			TTL			TTL		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	1	2	0	1
Pocket Length [ft]	150.00	100.00	100.00	110.00	100.00	100.00	100.00	100.00	100.00	450.00	100.00	275.00
Speed [mph]	35.00			35.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			Yes			Yes		

Volumes

Name	Stony Point Rd			Stony Point Rd			Occidental Rd			SR-12 WB Off-Ramp		
Base Volume Input [veh/h]	113	876	68	0	1413	128	67	0	219	604	238	587
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	4	0	0	56	0	0	278
Total Hourly Volume [veh/h]	113	876	68	0	1413	124	67	0	163	604	238	309
Peak Hour Factor	1.0000	1.0000	0.8540	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	28	219	20	0	353	31	17	0	41	151	60	77
Total Analysis Volume [veh/h]	113	876	80	0	1413	124	67	0	163	604	238	309
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	5	0	0	0	5	0	3	0
Bicycle Volume [bicycles/h]	11	0	0	0	11	0	0	0	0	0	1	0



Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Unsignal	Permiss	Permiss	Split	Permiss	Overlap	Split	Split
Signal Group	3	8	0	0	4	0	2	0	2	0
Auxiliary Signal Groups	Lead	-	-	-	-	Lead	-	-	-	-
Minimum Green [s]	5	5	0	0	5	0	5	0	5	0
Maximum Green [s]	30	30	0	0	30	0	30	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0
Split [s]	19	77	0	0	58	0	12	0	12	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0
Walk [s]	0	7	0	0	7	0	0	0	0	7
Pedestrian Clearance [s]	0	14	0	0	21	0	0	0	0	20
Rest In Walk	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0



Lane Group Calculations

Lane Group	L	C	C	C	L	R	L	C	R
C, Cycle Length [s]	120	120	120	120	120	120	120	120	120
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g, I, Effective Green Time [s]	36	77	36	36	7	47	25	25	25
g / C, Green / Cycle	0.30	0.64	0.30	0.30	0.06	0.39	0.21	0.21	0.21
(v / s), Volume / Saturation Flow Rate	0.06	0.25	0.29	0.29	0.04	0.06	0.18	0.15	0.18
s, saturation flow rate [veh/h]	1774	3547	1766	1766	1774	2803	3445	1812	1530
c, Capacity [veh/h]	536	2261	1071	533	101	1100	708	372	314
d1, Uniform Delay [s]	31.24	10.48	41.14	41.21	55.50	23.54	45.97	44.65	46.16
k, delay calibration	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.16	0.24
l, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.90	0.50	18.80	30.33	7.17	0.06	3.05	4.15	14.79
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	9.87	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.21	0.39	0.96	0.96	0.66	0.15	0.85	0.73	0.87
d, Delay for Lane Group [s/veh]	32.14	10.98	59.94	71.55	72.54	23.60	49.02	48.80	60.95
Lane Group LOS	C	B	E	E	E	C	D	D	E
Critical Lane Group	Yes	No	No	Yes	No	Yes	No	No	Yes
50th-Percentile Queue Length [veh/m]	2.57	5.36	17.32	19.04	2.19	1.51	8.95	8.04	9.16
50th-Percentile Queue Length [ft/m]	64.13	134.11	432.92	475.97	54.80	37.84	223.74	200.95	228.95
95th-Percentile Queue Length [veh/m]	4.62	9.16	24.14	26.19	3.95	2.72	13.86	12.69	14.12
95th-Percentile Queue Length [ft/m]	115.44	229.07	603.54	654.87	98.64	68.12	346.40	317.19	353.03

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	32.14	10.98	0.00	0.00	63.13	71.55	72.54	0.00	23.60	49.02	48.80	59.55
Movement LOS	C	B				E	E		C	D	D	E
d, A, Approach Delay [s/veh]		13.40			63.81			37.85			51.80	
Approach LOS		B			E			D			D	
d, I, Intersection Delay [s/veh]						45.98						
Intersection LOS						D						
Intersection V/C						0.572						

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	-	-	-	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Control Type :
Analysis Method :
Analysis Period :
Signalized
HCM 2010
15 minutes
Intersection 3: Stony Point Rd/SR 12 East Ramps
Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):
17.6
B
0.667

Intersection Settings	
Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	100
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing										
Control Type	Permiss	Unsigna	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	7	4	0	2	0	0	0
Auxiliary Signal Groups	-	-	-	-	-	-	Lead	-	-	-
Lead / Lag	-	-	Lag	-	-	-	-	-	-	-
Minimum Green [s]	0	15	0	5	5	0	5	0	0	0
Maximum Green [s]	0	45	0	20	20	0	20	0	0	0
Amber [s]	0.0	3.0	0.0	4.1	4.1	0.0	3.9	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0
Split [s]	0	25	0	49	50	0	50	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0	0.0	0.0
Walk [s]	0	7	0	7	7	0	8	0	0	0
Pedestrian Clearance [s]	0	8	0	14	14	0	19	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0	0.0	0.0
12, Clearance Lost Time [s]	0.0	2.0	0.0	3.1	3.1	0.0	2.9	0.0	0.0	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase	
Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Intersection Setup	
Name	Stony Point Rd
Approach	Southbound
Lane Configuration	Left Thru Right
Turning Movement	Left Thru Right
Lane Width [ft]	12.00 12.00 12.00
No. of Lanes in Pocket	0 1 0
Pocket Length [ft]	100.00 100.00 100.00
Speed [mph]	35.00
Grade [%]	0.00
Crosswalk	Yes

Volumes	
Name	Stony Point Rd
Base Volume Input [veh/h]	0 1074 785
Base Volume Adjustment Factor	1.0000 1.0000 1.0000
Heavy Vehicles Percentage [%]	2.00 2.00 2.00
Growth Factor	1.0000 1.0000 1.0000
In-Process Volume [veh/h]	0 0 0
Site-Generated Trips [veh/h]	0 0 0
Diverted Trips [veh/h]	0 0 0
Pass-by Trips [veh/h]	0 0 0
Existing Site Adjustment Volume [veh/h]	0 0 0
Other Volume [veh/h]	0 0 0
Right-Turn on Red Volume [veh/h]	0 0 0
Total Hourly Volume [veh/h]	0 1074 785
Peak Hour Factor	1.0000 1.0000 1.0000
Other Adjustment Factor	1.0000 1.0000 1.0000
Total 15-Minute Volume [veh/h]	0 269 196
Total Analysis Volume [veh/h]	0 1074 785
Presence of On-Street Parking	No No No
On-Street Parking Maneuver Rate [1/h]	0 0 0
Local Bus Stopping Rate [1/h]	0 0 0
Pedestrian Volume [ped/h]	4
Bicycle Volume [bicycles/h]	13

Lane Group Calculations

Lane Group		C	L	C	L	R
C, Cycle Length [s]		64	64	64	64	64
L, Total Lost Time per Cycle [s]		4.00	5.10	5.10	4.90	4.90
I1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	3.10	3.10	2.90	2.90
g, I, Effective Green Time [s]		23	20	47	6	6
g / C, Green / Cycle		0.37	0.31	0.74	0.10	0.10
(v / s), I Volume / Saturation Flow Rate		0.30	0.31	0.44	0.02	0.06
s, saturation flow rate [veh/h]		3547	1774	3547	3445	1564
c, Capacity [veh/h]		1298	556	2633	347	158
d1, Uniform Delay [s]		18.38	21.62	3.81	28.31	27.39
k, delay calibration		0.11	0.38	0.20	0.11	0.11
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		1.41	27.36	0.40	0.28	3.39
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.83	0.97	0.80	0.20	0.58
d, Delay for Lane Group [s/veh]		19.80	48.98	4.21	28.59	30.78
Lane Group LOS		B	D	A	C	C
Critical Lane Group		Yes	Yes	No	No	Yes
50th-Percentile Queue Length [veh/m]		6.50	11.26	2.19	0.48	1.42
50th-Percentile Queue Length [ft/m]		162.46	281.42	54.64	11.96	35.51
95th-Percentile Queue Length [veh/m]		10.68	16.76	3.93	0.86	2.56
95th-Percentile Queue Length [ft/m]		266.68	418.98	98.35	21.53	63.93

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	0.00	19.80	0.00	48.98	4.21	0.00	28.59	0.00	30.78	0.00	0.00	0.00
Movement LOS		B		D	A		C		C			
d, A, Approach Delay [s/veh]		19.80			15.67				28.97		0.00	
Approach LOS		B			B				C		A	
d, I, Intersection Delay [s/veh]						17.63						
Intersection LOS						B						
Intersection V/C						0.667						

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-
Ring 2	-	-	7	8	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-



Control Type :
Signalized
HCM 2010
Analysis Method:
Analysis Period:
15 minutes

Intersection Level Of Service Report

Intersection 4: Sebastopol Rd/North Wright Rd-South Wright Rd

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

36.0
D
0.799

Intersection Setup

Name	S Wright Rd			N Wright Rd			Sebastopol Rd		
Approach	Northbound			Southbound			Eastbound		
Lane Configuration	T			T			+		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	20.00	20.00	10.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	1	0
Pocket Length [ft]	40.00	100.00	100.00	150.00	100.00	100.00	100.00	200.00	100.00
Speed [mph]	35.00			35.00			25.00		
Grade [%]	0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes		

Volumes

Name	S Wright Rd			N Wright Rd			Sebastopol Rd		
Base Volume Input [veh/h]	2	326	99	420	404	9	18	7	3
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	28	0	0	0	0	0	0
Total Hourly Volume [veh/h]	2	326	71	420	404	9	18	7	3
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	82	18	105	101	2	5	2	1
Total Analysis Volume [veh/h]	2	326	71	420	404	9	18	7	3
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	0	0	0	0	1
Bicycle Volume [bicyclist/h]	6	0	0	0	0	0	2	0	8

Intersection Settings									
Located in CBD	No								
Signal Coordination Group	-								
Cycle Length [s]	90								
Coordination Type	Time of Day Pattern Coordinated								
Actuation Type	Fully actuated								
Offset [s]	0.0								
Offset Reference	LeadGreen								
Permissive Mode	SingleBand								
Lost time [s]	0.00								

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Split	Split	Split	Split	Overlap
Signal Group	3	8	0	7	4	0	0	5	0	0	0	6	6
Auxiliary Signal Groups	Lag	-	-	Lag	-	-	-	-	-	-	-	36.7	-
Lead / Lag	4	4	0	4	4	0	0	5	0	0	5	5	5
Minimum Green [s]	15	30	0	20	30	0	0	25	0	0	25	25	25
Maximum Green [s]	3.1	3.3	0.0	3.1	4.2	0.0	0.0	3.1	0.0	0.0	3.9	3.9	3.9
Amber [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All red [s]	16	28	0	8	20	0	0	27	0	0	27	27	27
Split [s]	2.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	2.0	2.0
Vehicle Extension [s]	0	7	0	0	7	0	0	7	0	0	7	7	7
Walk [s]	0	16	0	0	7	0	0	16	0	0	16	16	16
Pedestrian Clearance [s]	Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	2.0	2.0
12, Clearance Lost Time [s]	1.1	1.3	0.0	1.1	2.2	0.0	0.0	1.1	0.0	0.0	1.9	1.9	1.9
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	L	C	L	C	L	C	L	C	R
C, Cycle Length [s]		74	74	74	74	74	74	74	74	74	74	74
L, Total Lost Time per Cycle [s]		3.10	3.30	3.10	4.20	4.20	3.10	3.90	3.10	3.90	3.10	3.10
l1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]		1.10	1.30	1.10	2.20	2.20	1.10	1.90	1.10	1.90	1.10	1.10
g, I, Effective Green Time [s]		26	18	20	10	10	2	21	73	21	73	73
g / C, Green / Cycle		0.36	0.24	0.27	0.14	0.14	0.03	0.28	0.97	0.28	0.97	0.97
(v / s), Volume / Saturation Flow Rate		0.00	0.21	0.24	0.11	0.11	0.02	0.06	0.25	0.06	0.25	0.25
s, saturation flow rate [veh/h]		1774	1871	1774	1863	1848	1772	1781	1561	1781	1561	1561
c, Capacity [veh/h]		629	447	475	261	259	53	505	1521	505	1521	1521
d1, Uniform Delay [s]		15.56	27.43	26.21	31.04	31.04	35.69	20.30	42.23	20.30	42.23	42.23
k, delay calibration		0.04	0.05	0.35	0.04	0.04	0.04	0.04	0.50	0.04	0.50	0.50
l, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.00	2.76	15.56	2.08	2.10	3.02	0.07	0.40	0.07	0.40	0.40
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.00	0.89	0.88	0.79	0.79	0.53	0.20	0.25	0.20	0.25	0.25
d, Delay for Lane Group [s/veh]		15.56	30.20	41.76	33.12	33.14	36.70	20.37	42.64	20.37	42.64	42.64
Lane Group LOS		B	C	D	C	C	D	C	D	C	D	D
Critical Lane Group		No	Yes	Yes	No	No	Yes	No	Yes	No	Yes	Yes
50th-Percentile Queue Length [veh/m]		0.02	6.71	8.67	3.58	3.55	0.54	1.24	5.30	1.24	5.30	5.30
50th-Percentile Queue Length [ft/m]		0.52	167.84	216.71	89.38	88.74	13.49	31.01	132.49	31.01	132.49	132.49
95th-Percentile Queue Length [veh/m]		0.04	10.96	13.50	6.44	6.39	0.97	2.23	9.08	2.23	9.08	9.08
95th-Percentile Queue Length [ft/m]		0.93	274.08	337.42	160.88	159.73	24.29	55.82	226.88	55.82	226.88	226.88

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	15.56	30.20	30.20	41.76	33.13	33.14	38.70	38.70	38.70	20.37	20.37	42.64
Movement LOS	B	C	C	D	C	C	D	D	D	C	C	D
d_A, Approach Delay [s/veh]		30.12			37.48		38.70		38.70			38.02
Approach LOS		C			D		D		D			D
d_I, Intersection Delay [s/veh]						35.97						
Intersection LOS						D						
Intersection V/C						0.799						

Sequence

Ring 1	-	-	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 5: Corporate Center Pkwy/Sebastopol Rd

Control Type : Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes
Delay (sec / veh): 19.2
Level Of Service: B
Volume to Capacity (v/c): 0.506

Intersection Setup

Name	Corporate Center Pkwy			Corporate Center Pkwy			Sebastopol Rd		
Approach	Northbound			Southbound			Eastbound		
Lane Configuration	T			T			T		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	10.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	1	0	1	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	80.00	100.00	100.00
Speed [mph]	40.00			25.00			40.00		
Grade [%]	0.00			0.00			0.00		
Crosswalk	Yes			Yes			No		

Volumes

Name	Corporate Center Pkwy				Corporate Center Pkwy				Sebastopol Rd			
Base Volume Input [veh/h]	441	1	506	2	1	4	0	287	165	221	304	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	441	1	506	2	1	4	0	287	165	221	304	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	110	0	127	1	0	1	0	72	41	55	76	0
Total Analysis Volume [veh/h]	441	1	506	2	1	4	0	287	165	221	304	0
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	0	0	0	0	0	0	0	0
Bicycle Volume [bicyclsh]	0	0	0	0	0	0	0	0	0	0	0	0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Split	Split	Permiss	Permiss
Signal Group	0	3	0	0	4	0	5	2	0	6
Auxiliary Signal Groups	-	-	-	-	-	-	-	-	-	-
Lead / Lag	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	5	0	0	6	0	7	7	0	7
Maximum Green [s]	0	40	0	0	50	0	30	30	0	30
Amber [s]	0.0	3.9	0.0	0.0	3.0	0.0	3.9	3.9	0.0	3.9
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	1.0	1.0	0.0	1.0
Split [s]	0	35	0	0	19	0	12	36	0	30
Vehicle Extension [s]	0.0	2.0	0.0	0.0	2.0	0.0	2.0	2.0	0.0	2.0
Walk [s]	0	7	0	0	0	0	7	7	0	7
Pedestrian Clearance [s]	0	23	0	0	0	0	23	0	0	21
Rest In Walk	No	No	No	No	No	No	No	No	No	No
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	2.0	2.0	0.0	2.0
I2, Clearance Lost Time [s]	0.0	2.9	0.0	0.0	2.0	0.0	2.9	2.9	0.0	2.9
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group												
C, Cycle Length [s]	L	C	C	C	L	C	C	C	L	C	L	C
L, Total Lost Time per Cycle [s]	54	54	54	54	54	54	54	54	54	54	54	54
I1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]	2.90	2.90	2.00	2.00	0.00	2.90	2.90	2.90	0.00	2.90	0.00	2.90
g, I, Effective Green Time [s]	20	20	1	1	20	10	10	10	20	10	20	11
g / C, Green / Cycle	0.36	0.36	0.01	0.01	0.37	0.18	0.18	0.18	0.37	0.20	0.37	0.20
(v / s), Volume / Saturation Flow Rate	0.25	0.32	0.00	0.00	0.00	0.13	0.13	0.13	0.15	0.15	0.15	0.16
s, saturation flow rate [veh/h]	1774	1584	1803	1270	1465	1863	1621	1458	1458	1863	1458	1863
c, Capacity [veh/h]	641	572	20	14	440	331	288	481	481	375	481	375
d1, Uniform Delay [s]	14.79	16.35	26.65	26.69	0.00	21.08	21.23	16.11	16.11	20.76	16.11	20.76
k, delay calibration	0.04	0.04	0.04	0.04	0.04	0.11	0.04	0.04	0.04	0.04	0.04	0.04
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.50	1.90	1.22	3.85	0.00	2.87	1.48	0.26	0.26	1.63	0.26	1.63
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.69	0.89	0.15	0.28	0.00	0.71	0.75	0.46	0.81
d, Delay for Lane Group [s/veh]	15.29	18.25	27.88	30.55	0.00	23.96	22.71	16.37	22.39
Lane Group LOS	B	B	C	C	A	C	C	B	C
Critical Lane Group	No	Yes	No	Yes	No	No	Yes	Yes	No
50th-Percentile Queue Length [veh/m]	3.79	5.01	0.04	0.06	0.00	2.72	2.37	1.57	3.34
50th-Percentile Queue Length [ft/m]	94.78	125.18	1.09	1.61	0.00	68.01	59.36	39.36	83.45
95th-Percentile Queue Length [veh/m]	6.82	8.68	0.08	0.12	0.00	4.90	4.27	2.83	6.01
95th-Percentile Queue Length [ft/m]	170.61	216.93	1.97	2.90	0.00	122.41	106.84	70.85	150.20

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	15.29	18.25	18.25	27.88	27.88	30.55	0.00	23.74	22.71	16.37	22.39	22.39
Movement LOS	B	B	B	C	C	C	A	C	C	B	C	C
d, A, Approach Delay [s/veh]			16.87			29.40		23.36			19.86	
Approach LOS		B			C			C			B	
d, I, Intersection Delay [s/veh]						19.25						
Intersection LOS						B						
Intersection V/C						0.506						

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 6: Sebastopol RdStony Point Rd

Control Type : Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes
Delay (sec / veh): 33.6
Level Of Service: C
Volume to Capacity (v/c): 0.732

Intersection Setup

Name	Stony Point Rd			Stony Point Rd			Sebastopol Rd		
Approach	Northbound			Southbound			Eastbound		
Lane Configuration	3/1/1			3/1/1			3/1/1		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	0	1	0	1	1	0
Pocket Length [ft]	170.00	100.00	100.00	200.00	100.00	100.00	50.00	100.00	100.00
Speed [mph]	35.00			35.00			40.00		
Grade [%]	0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes		

Volumes

Name	Stony Point Rd			Stony Point Rd			Sebastopol Rd		
Base Volume Input [veh/h]	96	736	97	253	943	414	507	276	88
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	96	736	97	253	943	414	507	276	88
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	24	184	24	63	236	104	127	69	22
Total Analysis Volume [veh/h]	96	736	97	253	943	414	507	276	88
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	12			16			19		
Bicycle Volume [bicycles/h]	2			4			6		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	100
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Overlap	Protecte	Permiss	Protecte	Permiss	Overlap
Signal Group	3	8	0	7	4	5	5	2	0	1	6
Auxiliary Signal Groups	Lead	-	-	Lead	-	-	Lag	-	-	Lead	-
Minimum Green [s]	6	6	0	6	6	6	6	6	0	6	6
Maximum Green [s]	30	30	0	30	30	30	30	30	0	30	30
Amber [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0
All red [s]	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0
Split [s]	10	31	0	13	34	20	20	32	0	24	36
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0
Walk [s]	0	5	0	0	6	0	0	6	0	0	6
Pedestrian Clearance [s]	0	20	0	0	22	0	0	22	0	0	19
Rest In Walk	No	No	0.0	2.0	No	No	2.0	No	No	No	No
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	C	L	C	R	L	C	R	L	C	R
C, Cycle Length [s]		96	96	96	96	96	96	96	96	96	96	96	96
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
I1, P, Permitted Start-Up Lost Time [s]		2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	0.00	2.00	2.00	2.00	2.00	2.00	0.00
g, I, Effective Green Time [s]		10	25	25	17	32	72	23	29	29	10	16	63
g / C, Green / Cycle		0.10	0.26	0.26	0.17	0.33	0.75	0.23	0.30	0.30	0.10	0.17	0.66
(v / s), Volume / Saturation Flow Rate		0.07	0.23	0.23	0.14	0.27	0.27	0.18	0.15	0.06	0.08	0.12	0.21
s, saturation flow rate [veh/h]		1412	1863	1756	1774	3547	1529	2741	1863	1539	1774	1863	1551
c, Capacity [veh/h]		189	484	456	308	1173	1147	660	559	462	179	311	1020
d1, Uniform Delay [s]		43.65	34.24	34.42	38.41	29.40	4.13	36.59	27.70	25.03	42.41	37.82	7.20
k, delay calibration		0.11	0.25	0.26	0.11	0.11	0.36	0.11	0.11	0.11	0.11	0.11	0.22
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		2.09	11.40	13.76	5.47	1.34	0.63	1.92	0.68	0.20	8.04	2.75	0.38
d3, Initial Queue Delay [s]		0.00	0.00	0.00	11.55	0.00	0.00	2.64	0.55	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

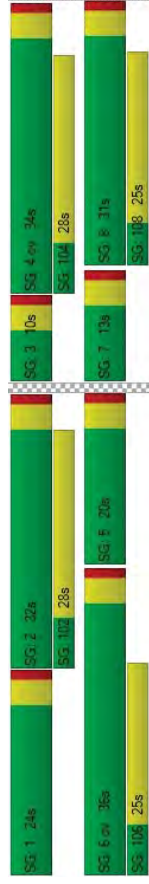
X, volume / capacity		0.51	0.88	0.89	0.82	0.80	0.36	0.77	0.49	0.19	0.80	0.69	0.33
d, Delay for Lane Group [s/veh]		45.74	45.63	48.18	55.42	30.74	4.76	41.16	28.93	25.23	50.45	40.58	7.58
Lane Group LOS		D	D	D	E	C	A	D	C	C	D	D	A
Critical Lane Group		No	No	Yes	Yes	No	No	Yes	No	No	No	No	Yes
50th-Percentile Queue Length [veh/m]		2.32	10.73	10.62	6.08	9.72	2.23	5.68	5.09	1.46	3.69	4.96	2.76
50th-Percentile Queue Length [ft/m]		58.05	268.27	265.50	151.93	243.12	55.72	142.05	127.17	36.51	92.35	123.90	69.00
95th-Percentile Queue Length [veh/m]		4.18	16.10	15.98	10.12	14.84	4.01	9.59	8.79	2.63	6.65	8.61	4.97
95th-Percentile Queue Length [ft/m]		104.49	402.58	399.11	253.00	370.97	100.30	239.78	219.64	65.72	166.23	215.18	124.20

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	45.74	48.71	48.18	55.42	30.74	4.76	41.16	28.93	25.23	50.45	40.58	7.58
Movement LOS	D	D	D	E	C	A	D	C	C	D	D	A
d_A, Approach Delay [s/veh]		46.76			27.94			35.67		26.74		
Approach LOS		D			C			D		C		
d_I, Intersection Delay [s/veh]						33.64						
Intersection LOS						C						
Intersection V/C						0.732						

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 7: Challenger Way/Corporate Center Pkwy

Two-way stop
HCM 6th Edition
15 minutes

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

22.4

C

0.080

Intersection Setup

Name	Corporate Center Pkwy				Challenger Way			
Approach	Northbound		Southbound		Eastbound		Westbound	
Lane Configuration	TTL		TTL		+		+	
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00				25.00			
Grade [%]	0.00				0.00			
Crosswalk	No				No			

Volumes

Name	Corporate Center Pkwy				Challenger Way			
Base Volume Input [veh/h]	6	748	8	2	291	5	0	11
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	6	748	8	2	291	5	0	11
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	2	187	2	1	73	1	0	3
Total Analysis Volume [veh/h]	6	748	8	2	291	5	0	11
Pedestrian Volume [ped/h]	0				0			

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane			No	No
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.01	0.08	0.00	0.02
d, M, Delay for Movement [s/veh]	7.87	0.00	0.00	9.24	0.00	16.18	21.58	9.31	22.38	22.69	12.13
Movement LOS	A	A	A	A	A	C	C	A	C	C	B
95th-Percentile Queue Length [veh]	0.01	0.00	0.00	0.01	0.00	0.00	0.09	0.09	0.32	0.32	0.32
95th-Percentile Queue Length [ft]	0.36	0.00	0.00	0.18	0.00	0.00	2.15	2.15	8.07	8.07	8.07
d, A, Approach Delay [s/veh]	0.06				0.06				11.45		
Approach LOS	A				A				B		
d, I, Intersection Delay [s/veh]									0.71		
Intersection LOS									C		

Intersection Level Of Service Report

Intersection 8: Corporate Center Pkwy/Northpoint Pkwy

All-way stop
HCM 2010
15 minutes
Delay (sec / veh): 11.9
Level Of Service: B
Volume to Capacity (v/c): 0.533

Intersection Setup

Name	Corporate Center Pkwy			Corporate Center Pkwy			Northpoint Pkwy			Northpoint Pkwy
Approach	Northbound			Southbound			Eastbound			Westbound
Lane Configuration	+									
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	1	0	1	0	1	0
Pocket Length [ft]	100.00	100.00	100.00	120.00	100.00	100.00	125.00	100.00	100.00	100.00
Speed [mph]	40.00			40.00			40.00			40.00
Grade [%]	0.00			0.00			0.00			0.00
Crosswalk	Yes			Yes			Yes			Yes

Volumes

Name	Corporate Center Pkwy			Corporate Center Pkwy			Northpoint Pkwy			Northpoint Pkwy
Base Volume Input [veh/h]	0	22	5	324	5	105	56	37	0	1 58 175
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	22	5	324	5	105	56	37	0	1 58 175
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	6	1	81	1	26	14	9	0	15 44
Total Analysis Volume [veh/h]	0	22	5	324	5	105	56	37	0	1 58 175
Pedestrian Volume [ped/h]	0			0			0			0

Intersection Settings

Lanes

Capacity per Entry Lane [veh/h]	569	607	663	760	515	556	556	538	582	656
Degree of Utilization, x	0.05	0.53	0.01	0.14	0.11	0.03	0.03	0.00	0.10	0.27

Movement, Approach, & Intersection Results

95th-Percentile Queue Length [veh]	0.15	3.15	0.02	0.48	0.36	0.10	0.10	0.01	0.33	1.07
95th-Percentile Queue Length [ft]	3.73	78.74	0.57	11.95	9.09	2.58	2.58	0.14	8.27	26.79
Approach Delay [s/veh]	9.65		13.42		10.09				10.02	
Approach LOS	A		B		B				B	
Intersection Delay [s/veh]	11.89									
Intersection LOS	B									

Intersection Level Of Service Report
Intersection 9 : Northpoint Pkwy/Stony Point Rd

Control Type :
Analysis Method :
Analysis Period :
Signalized
HCM 2010
15 minutes
Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):
15.5
B
0.447

Intersection Setup

Name	Stony Point Rd			Stony Point Rd			Northpoint Pkwy			Northpoint Pkwy		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration	TTL			TTL			TTL			TTL		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	300.00	100.00	100.00	120.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00			40.00			40.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			Yes			No		

Volumes

Name	Stony Point Rd			Stony Point Rd			Northpoint Pkwy			Northpoint Pkwy		
Base Volume Input [veh/h]	161	748	0	0	889	41	124	0	402	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	161	748	0	0	889	41	124	0	402	0	0	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	40	187	0	0	222	10	31	0	101	0	0	0
Total Analysis Volume [veh/h]	161	748	0	0	889	41	124	0	402	0	0	0
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0			13			2			0		
Bicycle Volume [bicycles/h]	4			3			0			2		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	100
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	ProtPer	Permiss	ProtPer	Permiss	Split	Permiss	Split	Overlap	Split	Split
Signal Group	3	8	0	7	4	0	2	0	3	0
Auxiliary Signal Groups	Lead	-	-	Lead	-	-	Lead	-	-	-
Minimum Green [s]	5	5	0	5	7	0	5	0	5	0
Maximum Green [s]	15	15	0	15	20	0	40	0	15	0
Amber [s]	4.3	3.0	0.0	3.0	4.3	0.0	4.3	0.0	4.3	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	1.0	0.0
Split [s]	11	48	0	9	46	0	43	0	11	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0	3.0	0.0
Walk [s]	0	0	0	0	7	0	0	0	0	0
Pedestrian Clearance [s]	0	0	0	0	21	0	0	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	3.3	2.0	0.0	2.0	3.3	0.0	3.3	0.0	3.3	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	C	L	C	C	L	C	L	R	C
C, Cycle Length [s]		57	57	57	57	57	57	57	57	57	57	57
L, Total Lost Time per Cycle [s]		4.65	4.00	4.00	5.30	5.30	5.30	5.30	5.30	5.30	5.30	5.30
I1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00
I2, Clearance Lost Time [s]		0.00	2.00	2.00	0.00	3.30	3.30	3.30	3.30	0.00	0.00	3.30
g, I, Effective Green Time [s]		35	31	31	33	17	17	13	29	13	29	13
g / C, Green / Cycle		0.61	0.54	0.54	0.59	0.30	0.30	0.23	0.52	0.23	0.52	0.23
(v / s), Volume / Saturation Flow Rate		0.09	0.20	0.20	0.00	0.25	0.25	0.09	0.25	0.09	0.25	0.00
s, saturation flow rate [veh/h]		1770	1863	1863	774	1863	1831	1389	1583	1389	1583	1863
c, Capacity [veh/h]		1080	1005	1005	563	555	545	394	816	394	816	485
d1, Uniform Delay [s]		4.75	7.54	7.54	0.00	18.71	18.72	20.33	8.93	20.33	8.93	0.00
k, delay calibration		0.11	0.24	0.24	0.11	0.20	0.20	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.06	0.51	0.51	0.00	6.38	6.57	0.45	0.46	0.45	0.46	0.00
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.15	0.37	0.37	0.00	0.85	0.85	0.31	0.49	0.31	0.49	0.00
d, Delay for Lane Group [s/veh]		4.82	8.05	8.05	0.00	25.09	25.29	20.78	9.39	20.78	9.39	0.00
Lane Group LOS		A	A	A	A	C	C	C	A	C	A	A
Critical Lane Group		No	No	No	No	No	Yes	No	Yes	No	Yes	No
50th-Percentile Queue Length [veh/m]		0.52	1.98	1.98	0.00	5.82	5.76	1.33	2.42	1.33	2.42	0.00
50th-Percentile Queue Length [ft/m]		12.90	49.43	49.43	0.00	145.46	143.97	33.16	60.43	33.16	60.43	0.00
95th-Percentile Queue Length [veh/m]		0.93	3.56	3.56	0.00	9.77	9.69	2.39	4.35	2.39	4.35	0.00
95th-Percentile Queue Length [ft/m]		23.23	88.97	88.97	0.00	244.36	242.36	59.69	108.77	59.69	108.77	0.00

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	4.82	8.05	8.05	0.00	25.19	25.29	20.78	0.00	9.39	0.00	0.00	0.00
Movement LOS	A	A	A	A	C	C	C		A	A	A	A
d, A, Approach Delay [s/veh]		7.48			25.19			12.07				0.00
Approach LOS		A			C			B			A	
d, I, Intersection Delay [s/veh]						15.47						
Intersection LOS						B						
Intersection V/C						0.447						

Sequence

Ring 1	-	2	3	4	-	-	-	-	-	-	-	-
Ring 2	-	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 1: SR 12/Fulton Rd-Wright Rd

Delay (sec / veh): 43.8
Level Of Service: D
Volume to Capacity (v/c): 0.509

Control Type: Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes

Intersection Setup

Name	N Wright Rd				Fulton Rd				SR 12			
Approach	Northbound				Southbound				Eastbound			
Lane Configuration	TTLR				TTLR				TTLR			
Turning Movement	Left	Thru	Right		Left	Thru	Right		Left	Thru	Right	
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	17.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Pocket Length [ft]	200.00	100.00	140.00	180.00	100.00	150.00	160.00	100.00	280.00	110.00	100.00	300.00
Speed [mph]	35.00				45.00				55.00			
Grade [%]	0.00				0.00				0.00			
Crosswalk	No				No				No			

Volumes

Name	N Wright Rd				Fulton Rd				SR 12			
Base Volume Input [veh/h]	63	257	223	563	314	167	188	690	60	123	571	452
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	48	12	0	0	3	0	0	6	10	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	101	0	0	80	0	0	0	0	0	0
Total Hourly Volume [veh/h]	111	269	122	563	317	87	188	696	70	123	571	452
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	28	67	31	141	79	22	47	174	18	31	143	113
Total Analysis Volume [veh/h]	111	269	122	563	317	87	188	696	70	123	571	452
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0				0				0			
Bicycle Volume [bicyclist/h]	2				1				0			

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	130
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	16.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss
Signal Group	3	8	3	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups	Lag	-	-	Lead	-	-	Lag	-	-	Lead	-	-
Minimum Green [s]	6	10	6	10	10	0	6	15	0	6	15	0
Maximum Green [s]	15	35	15	35	45	0	28	20	0	17	20	0
Amber [s]	3.0	3.9	3.0	3.0	4.3	0.0	3.0	5.8	0.0	3.0	5.8	0.0
All red [s]	0.5	0.5	0.5	0.5	0.5	0.0	1.0	1.5	0.0	0.5	1.5	0.0
Split [s]	11	23	11	44	55	0	23	47	0	17	40	0
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.5	0.0	3.0	5.0	0.0	3.0	5.0	0.0
Walk [s]	0	7	0	0	0	0	0	0	0	0	0	0
Pedestrian Clearance [s]	0	30	0	0	0	0	0	0	0	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
12, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No	No	No	No	No	No	Yes	No	No	Yes	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	R	L	C	R	L	C	L	C
C, Cycle Length [s]		130	130	130	130	130	130	130	130	130	130
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
I1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g, I, Effective Green Time [s]		12	13	13	24	26	26	16	67	10	61
g / C, Green / Cycle		0.09	0.10	0.10	0.18	0.20	0.20	0.12	0.51	0.08	0.47
(v / s), Volume / Saturation Flow Rate		0.06	0.08	0.08	0.16	0.17	0.05	0.11	0.20	0.07	0.16
s, saturation flow rate [veh/h]		1774	3547	1557	3445	1863	1625	1774	3547	1774	3547
c, Capacity [veh/h]		158	361	159	633	366	319	214	1815	141	1669
d1, Uniform Delay [s]		57.54	56.75	56.90	51.79	50.60	44.37	56.22	19.28	59.16	21.71
k, delay calibration		0.11	0.11	0.11	0.11	0.13	0.13	0.11	0.50	0.11	0.50
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		5.56	3.06	7.61	4.54	7.43	0.55	10.88	0.62	14.69	0.56
d3, Initial Queue Delay [s]		0.41	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.70	0.74	0.77	0.89	0.87	0.27	0.88	0.38	0.87	0.34
d, Delay for Lane Group [s/veh]		63.50	59.81	64.52	56.42	58.03	44.92	67.10	19.90	73.86	22.27
Lane Group LOS		E	E	E	E	E	D	E	B	E	C
Critical Lane Group		No	No	Yes	Yes	No	No	Yes	No	No	Yes
50th-Percentile Queue Length [veh/m]		3.77	4.42	4.22	9.12	10.48	2.39	6.48	6.04	4.38	5.11
50th-Percentile Queue Length [ft/m]		94.29	110.57	105.46	228.03	262.05	59.74	162.01	151.07	109.46	127.63
95th-Percentile Queue Length [veh/m]		6.79	7.87	7.59	14.07	15.79	4.30	10.66	10.07	7.81	8.81
95th-Percentile Queue Length [ft/m]		168.72	196.80	189.67	351.86	394.80	107.53	266.38	251.85	195.25	220.27

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	63.50	59.81	64.52	56.42	58.03	44.92	67.10	19.90	0.00	73.86	22.27	0.00
Movement LOS	E	E	E	E	E	D	E	B		E	C	
d_A, Approach Delay [s/veh]		61.77			55.92			29.94			31.41	
Approach LOS		E			E			C			C	
d_I, Intersection Delay [s/veh]						43.76						
Intersection LOS						D						
Intersection V/C						0.509						

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 2: Stony Point Rd/SR 12 West Ramps-Occidental Rd

Signalized
HCM 2010
Analysis Method:
15 minutes
Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

34.4
C
0.429

Intersection Setup

Name	Stony Point Rd	Stony Point Rd	Stony Point Rd	Occidental Rd	SR 12 WB Off-Ramp
Approach	Northbound	Southbound	Eastbound	Westbound	
Lane Configuration	Left Thru Right	Left Thru Right	Left Thru Right	Left Thru Right	Left Thru Right
Turning Movement	12.00 16.00 12.00	12.00 12.00 12.00	12.00 12.00 12.00	12.00 12.00 12.00	12.00 12.00 12.00
Lane Width [ft]	12.00 16.00 12.00	12.00 12.00 12.00	12.00 12.00 12.00	12.00 12.00 12.00	12.00 12.00 12.00
No. of Lanes in Pocket	1 0 0	1 0 0	1 0 0	1 2 0	1 2 0
Pocket Length [ft]	150.00 100.00 100.00	110.00 100.00 100.00	100.00 100.00 100.00	100.00 450.00 100.00	275.00 100.00 100.00
Speed [mph]	35.00	35.00	30.00	30.00	30.00
Grade [%]	0.00	0.00	0.00	0.00	0.00
Crosswalk	No	Yes	Yes	Yes	Yes

Volumes

Name	Stony Point Rd	Stony Point Rd	Stony Point Rd	Occidental Rd	SR 12 WB Off-Ramp
Base Volume Input [veh/h]	44 550 72	0 744 41	62 0 233	713 71 406	
Base Volume Adjustment Factor	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000
Heavy Vehicles Percentage [%]	2.00 2.00 2.00	2.00 2.00 2.00	2.00 2.00 2.00	2.00 2.00 2.00	2.00 2.00 2.00
Growth Factor	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000
In-Process Volume [veh/h]	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
Site-Generated Trips [veh/h]	0 67 0	0 21 0	0 0 0	39 0 0	0 0 0
Diverted Trips [veh/h]	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
Pass-by Trips [veh/h]	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
Existing Site Adjustment Volume [veh/h]	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
Other Volume [veh/h]	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
Right-Turn on Red Volume [veh/h]	0 0 0	0 0 0	0 0 0	98 0 0	228 0 0
Total Hourly Volume [veh/h]	44 617 72	0 765 37	62 0 135	752 71 178	
Peak Hour Factor	1.0000 1.0000 0.8540	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000
Other Adjustment Factor	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000
Total 15-Minute Volume [veh/h]	11 154 21	0 191 9	16 0 34	188 18 45	
Total Analysis Volume [veh/h]	44 617 84	0 765 37	62 0 135	752 71 178	
Presence of On-Street Parking	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
Local Bus Stopping Rate [1/h]	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
Pedestrian Volume [ped/h]	0 0 0	5 5	0 0	0 0	2 0
Bicycle Volume [bicycles/h]	5 5	5 5	0 0	0 0	0 0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Unsignal	Permiss	Permiss	Split	Permiss	Overlap	Split	Split
Signal Group	3	8	0	0	4	0	2	0	2	0
Auxiliary Signal Groups	Lead	-	-	-	-	Lead	-	-	-	-
Minimum Green [s]	5	5	0	0	5	0	5	0	5	0
Maximum Green [s]	30	30	0	0	30	0	30	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0
Split [s]	9	41	0	0	32	0	9	0	9	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0
Walk [s]	0	7	0	0	7	0	0	0	0	0
Pedestrian Clearance [s]	0	14	0	0	21	0	0	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C	L	R	L	C	R
C, Cycle Length [s]	120	120	120	120	120	120	120	120	120
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g, I, Effective Green Time [s]	34	71	34	34	7	44	30	30	30
g / C, Green / Cycle	0.28	0.59	0.28	0.28	0.06	0.37	0.25	0.25	0.25
(v / s), Volume / Saturation Flow Rate	0.02	0.17	0.15	0.15	0.03	0.05	0.22	0.07	0.08
s, saturation flow rate [veh/h]	1774	3547	1810	1774	1774	2802	3445	1723	1568
c, Capacity [veh/h]	495	2098	990	505	100	1033	870	435	396
d1, Uniform Delay [s]	32.01	12.13	38.75	38.62	55.45	25.16	42.93	36.18	36.46
k, delay calibration	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11	0.11
l, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
gd2, Incremental Delay [s]	0.35	0.36	2.11	3.93	6.22	0.06	2.73	0.36	0.45
gd3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

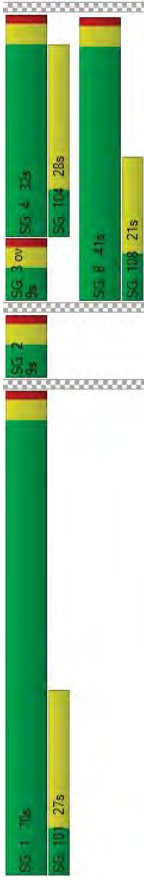
X, volume / capacity	0.09	0.29	0.54	0.53	0.62	0.13	0.86	0.29	0.31
d, Delay for Lane Group [s/veh]	32.36	12.49	38.87	40.55	61.67	25.22	45.67	36.53	36.91
Lane Group LOS	C	B	D	D	E	C	D	D	D
Critical Lane Group	Yes	No	Yes	No	Yes	No	Yes	No	No
50th-Percentile Queue Length [veh/m]	0.99	4.02	6.88	7.11	2.01	1.30	10.94	3.00	3.03
50th-Percentile Queue Length [ft/m]	24.81	100.48	171.88	177.80	50.27	32.44	273.43	75.07	75.80
95th-Percentile Queue Length [veh/m]	1.79	7.23	11.18	11.49	3.62	2.34	16.36	5.40	5.46
95th-Percentile Queue Length [ft/m]	44.66	180.87	279.38	287.14	90.48	58.40	409.02	135.12	136.44

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	32.36	12.49	0.00	0.00	0.00	39.37	40.55	61.67	0.00	25.22	45.67	36.53	36.80
Movement LOS	C	B				D	D	E		C	D	D	D
d, A, Approach Delay [s/veh]		13.81				39.43			36.69			43.44	
Approach LOS		B				D			D			D	
d, I, Intersection Delay [s/veh]							34.37						
Intersection LOS								C					
Intersection V/C							0.429						

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-
Ring 2	-	-	-	8	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 3: Stony Point Rd/SR 12 East Ramps

Control Type: Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes

Delay (sec / veh): 42.2
Level Of Service: D
Volume to Capacity (v/c): 0.860

Intersection Setup

Name	Stony Point Rd	Stony Point Rd	Stony Point Rd	SR 12 EB Off-Ramp	SR 12 EB On-Ramp	
Approach	Northbound	Southbound	Eastbound	Westbound		
Lane Configuration						
Turning Movement	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	170.00	390.00	100.00	100.00
Speed [mph]	35.00			30.00	30.00	
Grade [%]	0.00			0.00	0.00	
Crosswalk	Yes	No	Yes	Yes	Yes	

Volumes

Name	Stony Point Rd			Stony Point Rd			SR 12 EB Off-Ramp			SR 12 EB On-Ramp		
Base Volume Input [veh/h]	0	802	656	574	1571	0	75	0	85	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	67	126	0	60	0	0	0	6	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	43	0	0	0
Total Hourly Volume [veh/h]	0	869	782	574	1631	0	75	0	48	0	0	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	217	196	144	408	0	19	0	12	0	0	0
Total Analysis Volume [veh/h]	0	869	782	574	1631	0	75	0	48	0	0	0
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	2				0				3			0
Bicycle Volume [bicycles/h]	4				5				0			0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	7	4	0	2	0	0
Auxiliary Signal Groups	-	-	-	-	-	-	-	-	-
Lead / Lag	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	15	0	5	5	0	5	0	0
Maximum Green [s]	0	45	0	20	20	0	20	0	0
Amber [s]	0.0	3.0	0.0	4.1	4.1	0.0	3.9	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.0
Split [s]	0	49	0	39	88	0	32	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0	0.0
Walk [s]	0	7	0	7	7	0	8	0	0
Pedestrian Clearance [s]	0	8	0	14	14	0	19	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0	0.0
12, Clearance Lost Time [s]	0.0	2.0	0.0	3.1	3.1	0.0	2.9	0.0	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		C	R	L	C	L	R
C, Cycle Length [s]		83	83	83	83	83	83
L, Total Lost Time per Cycle [s]		4.00	4.00	5.10	4.90	4.90	4.90
I1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	3.10	2.90	2.90	2.90
g, I, Effective Green Time [s]		44	44	20	68	5	5
g / C, Green / Cycle		0.53	0.53	0.24	0.82	0.06	0.06
(v / s), I Volume / Saturation Flow Rate		0.25	0.51	0.32	0.46	0.02	0.03
s, saturation flow rate [veh/h]		3547	1547	1774	3547	3445	1568
c, Capacity [veh/h]		1874	817	428	2895	219	100
d1, Uniform Delay [s]		12.28	18.74	31.65	2.60	37.34	37.68
k, delay calibration		0.11	0.42	0.50	0.37	0.11	0.11
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.18	20.07	171.43	0.59	0.92	3.56
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.46	0.96	1.35	0.56	0.34	0.48
d, Delay for Lane Group [s/veh]	12.46	38.82	203.09	3.19	38.25	41.23
Lane Group LOS	B	D	F	A	D	D
Critical Lane Group	No	Yes	Yes	No	No	Yes
50th-Percentile Queue Length [veh/m]	4.53	16.88	28.38	1.94	0.75	1.03
50th-Percentile Queue Length [ft/m]	113.34	422.11	709.40	48.52	18.68	25.69
95th-Percentile Queue Length [veh/m]	8.03	23.62	43.11	3.49	1.35	1.85
95th-Percentile Queue Length [ft/m]	200.64	590.58	1077.87	87.34	33.63	46.24

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	0.00	12.46	38.82	203.09	3.19	0.00	38.25	0.00	41.23	0.00	0.00	0.00
Movement LOS					A		D		D			
d, A, Approach Delay [s/veh]		24.94		55.22				39.42			0.00	
Approach LOS		C		E				D			A	
d, I, Intersection Delay [s/veh]							42.17					
Intersection LOS							D					
Intersection V/C							0.860					

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-	-
Ring 2	-	-	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Control Type :
Signalized
HCM 2010
Analysis Method:
Analysis Period:
15 minutes

Intersection 4: Sebastopol Rd/North Wright Rd-South Wright Rd
Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

19.6
B
1.077

Intersection Setup

Name	S Wright Rd			N Wright Rd			Sebastopol Rd		
Approach	Northbound			Southbound			Eastbound		
Lane Configuration	T			T			+		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	20.00	20.00	10.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	1	0
Pocket Length [ft]	40.00	100.00	100.00	150.00	100.00	100.00	100.00	200.00	100.00
Speed [mph]	35.00			35.00			25.00		
Grade [%]	0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes		

Volumes

Name	S Wright Rd			N Wright Rd			Sebastopol Rd		
Base Volume Input [veh/h]	5	335	94	354	353	19	17	7	3
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	15	44	8	5	0	0	0	15
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	14	0	0	3	0	0	0
Total Hourly Volume [veh/h]	5	350	124	362	358	16	17	7	3
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	88	31	91	90	4	4	2	1
Total Analysis Volume [veh/h]	5	350	124	362	358	16	17	7	3
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	0	0	0	0	0
Bicycle Volume [bicyclist/h]	0	0	0	0	2	0	0	1	0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Split	Split	Split	Split	Overlap
Signal Group	3	8	0	7	4	0	0	0	5	0	0	0	6
Auxiliary Signal Groups	Lag	-	-	Lag	-	-	-	-	-	-	-	-	36.7
Lead / Lag	4	4	0	4	4	0	0	0	5	0	0	0	5
Minimum Green [s]	15	30	0	20	30	0	0	25	0	0	0	25	25
Maximum Green [s]	3.1	3.3	0.0	3.1	4.2	0.0	0.0	3.1	0.0	0.0	0.0	3.9	3.9
Amber [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All red [s]	9	27	0	9	27	0	0	27	0	0	0	27	27
Split [s]	2.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	2.0
Vehicle Extension [s]	0	7	0	0	7	0	0	7	0	0	0	7	7
Walk [s]	0	16	0	0	7	0	0	16	0	0	0	16	16
Pedestrian Clearance [s]	Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	2.0
12, Clearance Lost Time [s]	1.1	1.3	0.0	1.1	2.2	0.0	0.0	1.1	0.0	0.0	0.0	1.9	1.9
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	L	C	C	C	C	R
C, Cycle Length [s]	49	49	49	49	49	49	49	49
L, Total Lost Time per Cycle [s]	3.10	3.30	3.10	4.20	4.20	3.10	3.30	3.10
I1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00
I2, Clearance Lost Time [s]	1.10	1.30	1.10	2.20	2.20	1.10	1.90	0.00
g, I, Effective Green Time [s]	19	14	12	7	7	2	7	46
g / C, Green / Cycle	0.38	0.29	0.25	0.14	0.14	0.04	0.14	0.94
(v / s), I Volume / Saturation Flow Rate	0.00	0.26	0.20	0.10	0.10	0.43	0.09	0.27
s, saturation flow rate [veh/h]	1774	1852	1774	1863	1835	63	1779	1583
c, Capacity [veh/h]	677	546	442	268	263	122	256	1489
d1, Uniform Delay [s]	9.41	16.42	17.38	20.03	20.03	24.54	19.75	19.42
k, delay calibration	0.04	0.04	0.04	0.04	0.04	0.32	0.04	0.34
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.00	1.71	1.45	1.27	1.30	2.66	0.92	0.33
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.01	0.87	0.82	0.70	0.70	0.22	0.62	0.29
d, Delay for Lane Group [s/veh]	9.41	18.12	18.84	21.30	21.32	27.20	20.67	19.76
Lane Group LOS	A	B	B	C	C	C	C	B
Critical Lane Group	No	Yes	No	No	No	Yes	Yes	Yes
50th-Percentile Queue Length [veh/m]	0.03	4.38	3.40	1.88	1.86	0.39	1.51	3.12
50th-Percentile Queue Length [ft/m]	0.67	109.62	85.12	47.02	46.40	9.76	37.84	77.98
95th-Percentile Queue Length [veh/m]	0.05	7.82	6.13	3.39	3.34	0.70	2.72	5.61
95th-Percentile Queue Length [ft/m]	1.21	195.47	153.21	84.64	83.52	17.56	68.11	140.37

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	9.41	18.12	18.12	18.84	21.31	21.32	27.20	27.20	27.20	20.67	20.67	19.76
Movement LOS	A	B	B	B	C	C	C	C	C	C	C	B
d, A, Approach Delay [s/veh]		18.03			20.10							20.00
Approach LOS		B			C				C			C
d, I, Intersection Delay [s/veh]							19.63					
Intersection LOS							B					
Intersection V/C							1.077					

Sequence

Ring 1	-	-	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 5: Corporate Center Pkwy/Sebastopol Rd

Control Type: Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes
Delay (sec / veh): 25.2
Level Of Service: C
Volume to Capacity (v/c): 0.668

Intersection Setup

Name	Corporate Center Pkwy		Corporate Center Pkwy		Sebastopol Rd	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	80.00	100.00	100.00
Speed [mph]	40.00		25.00		40.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		Yes		No	

Volumes

Name	Corporate Center Pkwy		Corporate Center Pkwy		Sebastopol Rd	
Base Volume Input [veh/h]	120	0	167	0	1	230
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	15	0	0	0	0	61
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	135	0	167	0	1	291
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	34	0	42	0	0	73
Total Analysis Volume [veh/h]	135	0	167	0	1	291
Presence of On-Street Parking	No	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	0	0
Bicycle Volume [bicyclsh]	0	0	0	0	1	0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	110
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Permiss	Permiss
Signal Group	0	3	0	4	0	5	2	0
Auxiliary Signal Groups	-	-	-	-	-	-	-	-
Lead / Lag	0	5	0	6	0	7	0	6
Minimum Green [s]	0	40	0	50	0	30	30	0
Maximum Green [s]	0.0	3.9	0.0	3.0	0.0	3.9	0.0	3.9
Amber [s]	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0
All red [s]	0	35	0	10	0	12	35	0
Split [s]	0.0	2.0	0.0	2.0	0.0	2.0	0.0	2.0
Vehicle Extension [s]	0	7	0	0	0	0	7	0
Walk [s]	0	23	0	0	0	23	0	21
Pedestrian Clearance [s]	No	No	No	No	No	No	No	No
Rest In Walk	0.0	2.0	0.0	2.0	0.0	2.0	0.0	2.0
11, Start-Up Lost Time [s]	0.0	2.9	0.0	2.0	0.0	2.9	0.0	2.9
12, Clearance Lost Time [s]	No	No	No	No	No	No	No	No
Minimum Recall	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No
Pedestrian Recall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C	L	C	C	C	L	C	C	C
C, Cycle Length [s]	67	67	67	67	67	67	67	67	67	67	67	67
L, Total Lost Time per Cycle [s]	4.90	4.90	4.00	4.00	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90
I1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]	2.90	2.90	2.00	2.00	0.00	2.90	2.90	2.90	0.00	2.90	2.90	2.90
g, I, Effective Green Time [s]	9	9	0	0	44	20	20	20	44	21	21	21
g / C, Green / Cycle	0.14	0.14	0.00	0.00	0.66	0.30	0.30	0.30	0.66	0.32	0.32	0.32
(v / s), I Volume / Saturation Flow Rate	0.08	0.11	0.00	0.00	0.00	0.16	0.27	0.27	0.47	0.16	0.16	0.16
s, saturation flow rate [veh/h]	1774	1583	1863	1695	1470	1863	1963	1342	1858	1858	1858	1858
c, Capacity [veh/h]	242	216	0	0	852	565	474	738	589	589	589	589
d1, Uniform Delay [s]	27.23	28.12	0.00	0.00	8.42	19.40	22.40	16.38	18.73	18.73	18.73	18.73
k, delay calibration	0.04	0.04	0.04	0.04	0.04	0.11	0.09	0.46	0.04	0.04	0.04	0.04
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.75	2.23	0.00	0.00	0.00	0.73	4.83	10.86	0.25	0.25	0.25	0.25
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.14
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.56	0.77	0.00	0.00	0.00	0.51	0.89	0.85	0.51			
d, Delay for Lane Group [s/veh]	27.98	30.35	0.00	0.00	8.42	20.13	27.23	27.24	19.12			
Lane Group LOS	C	C	A	A	A	C	C	C	B			
Critical Lane Group	No	Yes	No	No	No	No	Yes	Yes	No			
50th-Percentile Queue Length [veh/m]	1.92	2.53	0.00	0.00	0.00	3.46	6.22	5.17	3.39			
50th-Percentile Queue Length [ft/m]	48.06	63.13	0.00	0.00	0.08	86.41	155.49	129.31	84.79			
95th-Percentile Queue Length [veh/m]	3.46	4.55	0.00	0.00	0.01	6.22	10.31	8.90	6.11			
95th-Percentile Queue Length [ft/m]	86.50	113.63	0.00	0.00	0.14	155.53	257.74	222.55	152.63			

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	27.98	30.35	30.35	0.00	0.00	0.00	8.42	20.13	27.23	27.24	19.12	19.12
Movement LOS	C	C	C	A	A	A	A	C	C	C	B	B
d, A, Approach Delay [s/veh]			29.29			0.00		24.31			24.62	
Approach LOS			C		A			C			C	
d, I, Intersection Delay [s/veh]							25.23					
Intersection LOS							C					
Intersection V/C							0.668					

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 6: Sebastopol RdStony Point Rd

Control Type :
Signalized
HCM 2010
Analysis Method:
Analysis Period:
15 minutes

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

35.8
D
0.852

Intersection Setup

Name	Stony Point Rd			Stony Point Rd			Sebastopol Rd		
Approach	Northbound			Southbound			Eastbound		
Lane Configuration	🚗🚗🚗			🚗🚗🚗			🚗🚗🚗		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	0
Pocket Length [ft]	170.00	100.00	100.00	200.00	100.00	100.00	300.00	100.00	50.00
Speed [mph]	35.00			35.00			40.00		
Grade [%]	0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes		

Volumes

Name	Stony Point Rd			Stony Point Rd			Sebastopol Rd		
Base Volume Input [veh/h]	80	871	76	190	778	678	384	202	100
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	1	55	8	29	18	19	57	2	2
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	81	926	84	219	796	697	441	204	102
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	20	232	21	55	199	174	110	51	26
Total Analysis Volume [veh/h]	81	926	84	219	796	697	441	204	102
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	6			16			13		
Bicycle Volume [bicyclesh/h]	1			4			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Overlap	Protecte	Permiss	Protecte	Permiss	Overlap
Signal Group	3	8	0	7	4	5	5	2	0	1
Auxiliary Signal Groups	Lead	-	-	Lead	-	Lag	-	-	-	6.7
Lead / Lag	6	6	0	6	6	6	6	6	6	6
Minimum Green [s]	30	30	0	30	30	30	30	0	30	30
Maximum Green [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0
Amber [s]	1.0	1.0	0.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0
All red [s]	10	40	0	10	40	41	32	0	38	29
Split [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0
Vehicle Extension [s]	0	5	0	0	6	0	0	6	0	0
Walk [s]	0	20	0	0	22	0	0	22	0	19
Pedestrian Clearance [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Rest In Walk	No	No	No	No	No	No	No	No	No	No
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	C	L	C	R	L	C	R	L	C	R
C, Cycle Length [s]		101	101	101	101	101	101	101	101	101	101	101	101
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
I1, P, Permitted Start-Up Lost Time [s]		2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	0.00	2.00	2.00	2.00	2.00	2.00	0.00
g, I, Effective Green Time [s]		9	30	30	15	38	75	22	32	32	8	18	64
g / C, Green / Cycle		0.09	0.29	0.29	0.15	0.36	0.74	0.22	0.32	0.32	0.08	0.18	0.63
(v / s), I Volume / Saturation Flow Rate		0.06	0.28	0.28	0.12	0.22	0.45	0.16	0.11	0.06	0.06	0.14	0.20
s, saturation flow rate [veh/h]		1412	1863	1800	1774	3547	1535	2741	1863	1574	1774	1863	1571
c, Capacity [veh/h]		167	545	527	269	1265	1136	608	587	496	146	336	987
d1, Uniform Delay [s]		46.60	34.86	34.94	41.46	26.96	6.24	38.93	26.62	25.35	45.51	39.32	8.78
k, delay calibration		0.11	0.40	0.40	0.11	0.11	0.50	0.11	0.11	0.11	0.11	0.11	0.22
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		2.19	22.40	23.95	5.85	0.52	2.48	1.66	0.35	0.20	9.13	3.53	0.39
d3, Initial Queue Delay [s]		0.35	0.00	0.00	0.00	0.00	0.01	0.14	0.14	0.14	32.12	3.38	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

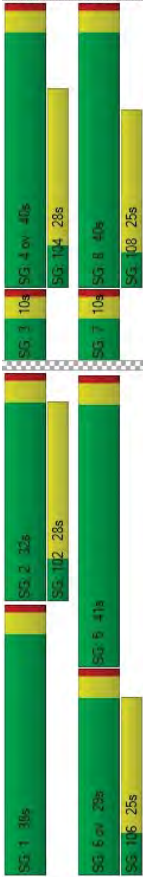
X, volume / capacity		0.49	0.94	0.95	0.81	0.63	0.61	0.73	0.35	0.21	0.79	0.76	0.33
d, Delay for Lane Group [s/veh]		49.14	57.26	58.88	47.30	27.48	8.72	40.73	27.11	25.69	86.76	46.22	9.17
Lane Group LOS		D	E	E	D	C	A	D	C	C	F	D	A
Critical Lane Group		No	No	Yes	Yes	No	Yes	No	No	No	No	No	Yes
50th-Percentile Queue Length [veh/m]		2.08	15.23	15.03	5.61	7.77	6.11	5.20	3.70	1.76	3.19	6.28	3.15
50th-Percentile Queue Length [ft/m]		52.11	380.84	375.80	140.31	194.23	152.83	128.88	92.46	44.03	79.63	156.96	78.85
95th-Percentile Queue Length [veh/m]		3.75	21.63	21.39	9.50	12.34	10.17	8.93	6.66	3.17	5.73	10.39	5.68
95th-Percentile Queue Length [ft/m]		93.79	540.87	534.76	237.44	308.52	254.20	223.34	166.42	79.26	143.33	259.70	141.94

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]		49.14	57.99	58.88	47.30	27.48	8.72	40.73	27.11	25.69	86.76	46.22	9.17
Movement LOS		D	E	E	D	C	A	D	C	C	F	D	A
d, A, Approach Delay [s/veh]			57.40			22.38			34.96			35.75	
Approach LOS			E			C			C			D	
d, I, Intersection Delay [s/veh]							35.78						
Intersection LOS							D						
Intersection V/C							0.852						

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 7: Challenger Way/Corporate Center Pkwy

Two-way stop
Delay (sec / veh):

Level Of Service:

15 minutes

Intersection Setup

Name	Corporate Center Pkwy				Corporate Center Pkwy				Challenger Way			
Approach	Northbound				Southbound				Eastbound			
Lane Configuration	TTLT				TTLT				TTLT			
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00				40.00				25.00			
Grade [%]	0.00				0.00				0.00			
Crosswalk	No				No				No			

Volumes

[illegible]

Intersection Settings

Priority Scheme	Free	Free	Free	Stop	Stop
Flared Lane				No	No
Storage Area [veh]	0	0	0	0	0
Two-Stage Gap Acceptance				No	No
Number of Storage Spaces in Median	0	0	0	0	0

Movement Approach. & Intersection Results

V/C Movement V/C Ratio	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00
d _M Delay for Movement [s/veh]	9.34	0.00	0.00	7.84	0.00	21.95	22.21	11.12	16.28	22.06	9.22			
Intersection LOS	A	A	A	A	A	C	C	B	C	C	A			
95th-Percentile Queue Length [veh/in]	0.03	0.00	0.00	0.01	0.00	0.04	0.04	0.04	0.05	0.05	0.05			
95th-Percentile Queue Length [ft/in]	0.81	0.00	0.00	0.35	0.00	1.06	1.06	1.06	1.20	1.20	1.20			
d _A Approach Delay [s/veh]	0.29					22.04			13.24					
Approach LOS	A	A	A			C			B					
d _I Intersection Delay [s/veh]						0.27								
Intersection LOS						C								

Intersection Level Of Service Report

Intersection 8: Corporate Center Pkwy/Northpoint Pkwy

All-way stop
HCM 2010
15 minutes
Delay (sec / veh): 11.0
Level Of Service: B
Volume to Capacity (v/c): 0.471

Intersection Setup

Name	Corporate Center Pkwy			Corporate Center Pkwy			Northpoint Pkwy			Northpoint Pkwy
Approach	Northbound			Southbound			Eastbound			Westbound
Lane Configuration	+									
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	1	0	1	0	1	0
Pocket Length [ft]	100.00	100.00	100.00	120.00	100.00	100.00	125.00	100.00	100.00	100.00
Speed [mph]	40.00			40.00			40.00			40.00
Grade [%]	0.00			0.00			0.00			0.00
Crosswalk	Yes			Yes			Yes			Yes

Volumes

Name	Corporate Center Pkwy			Corporate Center Pkwy			Northpoint Pkwy			Northpoint Pkwy
Base Volume Input [veh/h]	1	6	4	158	27	55	102	56	3	27
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	7	0	0	0	0	0	15
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	1	6	4	165	27	55	102	56	3	27
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	2	1	41	7	14	26	14	1	7
Total Analysis Volume [veh/h]	1	6	4	165	27	55	102	56	3	27
Pedestrian Volume [ped/h]	0			0			0			0

Intersection Settings

Lanes

Capacity per Entry Lane [veh/h]	574	572	619	702	543	587	594	577	626	714
Degree of Utilization, x	0.02	0.29	0.04	0.08	0.19	0.05	0.05	0.05	0.06	0.47

Movement, Approach, & Intersection Results

95th-Percentile Queue Length [veh]	0.06	1.19	0.14	0.25	0.69	0.16	0.16	0.15	0.18	2.54
95th-Percentile Queue Length [ft]	1.46	29.76	3.41	6.35	17.13	3.96	3.91	3.68	4.56	63.38
Approach Delay [s/veh]	9.39		10.51			10.22			11.66	
Approach LOS	A		B			B			B	
Intersection Delay [s/veh]	11.00									
Intersection LOS	B									

Intersection Level Of Service Report
Intersection 9 : Northpoint Pkwy/Stony Point Rd

Control Type : Signalized
Analysis Method : HCM 2010
Analysis Period : 15 minutes
Delay (sec / veh): 9.8
Level Of Service: A
Volume to Capacity (v/c): 0.471

Intersection Setup

Name	Stony Point Rd			Stony Point Rd			Northpoint Pkwy			Northpoint Pkwy
Approach	Northbound			Southbound			Eastbound			Westbound
Lane Configuration	三三			三三			三三			+
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	0
Pocket Length [ft]	300.00	100.00	100.00	120.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00			40.00			40.00			25.00
Grade [%]	0.00			0.00			0.00			0.00
Crosswalk	No			Yes			Yes			No

Volumes

Name	Stony Point Rd			Stony Point Rd			Northpoint Pkwy			Northpoint Pkwy
Base Volume Input [veh/h]	377	776	0	0	786	111	56	0	182	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	15	64	0	0	47	0	0	0	7	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	392	840	0	0	833	111	56	0	189	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	98	210	0	0	208	28	14	0	47	0
Total Analysis Volume [veh/h]	392	840	0	0	833	111	56	0	189	0
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0			4			2			0
Bicycle Volume [bicycles/h]	1			6			3			4



Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	ProtPer	Permiss	ProtPer	Permiss	Split	Permiss	Split	Overlap	Split	Split
Signal Group	3	8	0	7	4	0	2	0	3	0
Auxiliary Signal Groups	Lead	-	-	Lead	-	-	Lead	-	-	-
Minimum Green [s]	5	5	0	5	7	0	5	0	5	0
Maximum Green [s]	15	15	0	15	20	0	40	0	15	0
Amber [s]	4.3	3.0	0.0	3.0	4.3	0.0	4.3	0.0	4.3	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	1.0	0.0
Split [s]	56	81	0	9	34	0	30	0	56	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0	3.0	0.0
Walk [s]	0	0	0	0	7	0	0	0	0	0
Pedestrian Clearance [s]	0	0	0	0	21	0	0	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	3.3	2.0	0.0	2.0	3.3	0.0	3.3	0.0	3.3	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0



Lane Group Calculations

Lane Group		L	C	C	L	C	L	C	L	R	C
C, Cycle Length [s]		43	43	43	43	43	43	43	43	43	43
L, Total Lost Time per Cycle [s]		4.65	4.00	4.00	5.30	5.30	5.30	5.30	5.30	5.30	5.30
I1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00
I2, Clearance Lost Time [s]		0.00	2.00	2.00	0.00	3.30	3.30	3.30	0.00	0.00	3.30
g, I, Effective Green Time [s]		28	24	24	27	14	14	14	6	19	6
g / C, Green / Cycle		0.65	0.56	0.56	0.62	0.33	0.33	0.33	0.13	0.43	0.13
(v / s), I Volume / Saturation Flow Rate		0.22	0.23	0.23	0.00	0.26	0.26	0.26	0.04	0.12	0.00
s, saturation flow rate [veh/h]		1771	1863	1863	1691	1863	1778	1401	1562	1562	1863
c, Capacity [veh/h]		1153	1041	1041	1104	611	584	293	667	667	333
d1, Uniform Delay [s]		3.39	5.45	5.45	0.00	13.19	13.21	18.68	8.09	8.09	0.00
k, delay calibration		0.13	0.17	0.17	0.11	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.20	0.39	0.39	0.00	2.31	2.47	0.31	0.23	0.23	0.00
d3, Initial Queue Delay [s]		0.07	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.34	0.40	0.40	0.00	0.79	0.79	0.19	0.28	0.28	0.00
d, Delay for Lane Group [s/veh]		3.66	5.84	5.84	0.00	15.50	15.69	19.15	8.32	8.32	0.00
Lane Group LOS		A	A	A	A	B	B	B	A	A	A
Critical Lane Group		Yes	No	No	No	No	Yes	No	Yes	Yes	No
50th-Percentile Queue Length [veh/m]		12.55	1.19	1.19	0.00	3.48	3.37	0.47	0.80	0.80	0.00
50th-Percentile Queue Length [ft/m]		0.50	29.65	29.65	0.00	86.92	84.13	11.71	20.10	20.10	0.00
95th-Percentile Queue Length [veh/m]		0.90	2.13	2.13	0.00	6.26	6.06	0.84	1.45	1.45	0.00
95th-Percentile Queue Length [ft/m]		22.60	53.36	53.36	0.00	156.46	151.43	21.07	36.18	36.18	0.00

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]		3.66	5.84	5.84	0.00	15.58	15.69	19.15	0.00	8.32	0.00	0.00
Movement LOS		A	A	A	A	B	B	B	A	A	A	A
d, A, Approach Delay [s/veh]			5.15			15.59		10.79				0.00
Approach LOS			A			B		B			A	
d, I, Intersection Delay [s/veh]						9.79						
Intersection LOS						A						
Intersection V/C						0.471						

Sequence

Ring 1	-	2	3	4	-	-	-	-	-	-	-	-
Ring 2	-	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 1: SR 12/Fulton Rd-Wright Rd

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

51.4
D
0.708

Control Type :
Analysis Method:
Analysis Period:

Signalized
HCM 2010
15 minutes

Intersection Setup

Name	N Wright Rd				Fulton Rd				SR 12			
Approach	Northbound				Southbound				Eastbound			
Lane Configuration	TTL				TTL				TTL			
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	14.00	12.00	12.00	16.00	12.00	12.00	17.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Pocket Length [ft]	200.00	100.00	140.00	180.00	100.00	150.00	160.00	100.00	280.00	110.00	100.00	300.00
Speed [mph]	35.00				45.00				55.00			
Grade [%]	0.00				0.00				0.00			
Crosswalk	No				No				No			

Volumes

Name	N Wright Rd				Fulton Rd				SR 12			
Base Volume Input [veh/h]	86	591	253	637	488	172	229	790	65	222	741	646
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	31	7	0	0	12	0	0	22	31	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	70	0	0	86	0	0	0	0	0	0
Total Hourly Volume [veh/h]	117	598	183	637	500	84	229	812	96	222	741	646
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	29	150	46	159	125	21	57	203	24	56	185	162
Total Analysis Volume [veh/h]	117	598	183	637	500	84	229	812	96	222	741	646
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	0	0	0	0	0	0	0	0
Bicycle Volume [bicyclist/h]	2	0	0	0	3	0	0	0	0	0	0	0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	130
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	55.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss
Signal Group	3	8	3	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups	Lag	-	-	Lead	-	-	Lead	-	-	Lag	-	-
Minimum Green [s]	6	10	6	10	10	0	6	15	0	6	15	0
Maximum Green [s]	15	35	15	35	45	0	28	20	0	17	20	0
Amber [s]	3.0	3.9	3.0	3.0	4.3	0.0	3.0	5.8	0.0	3.0	5.8	0.0
All red [s]	0.5	0.5	0.5	0.5	0.5	0.0	1.0	1.5	0.0	0.5	1.5	0.0
Split [s]	15	25	15	33	43	0	26	45	0	27	46	0
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.5	0.0	3.0	5.0	0.0	3.0	5.0	0.0
Walk [s]	0	7	0	0	0	0	0	0	0	0	0	0
Pedestrian Clearance [s]	0	30	0	0	0	0	0	0	0	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No
I1, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No	No	No	No	No	No	Yes	No	No	Yes	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	R	L	C	R	L	C	R	L	C
C, Cycle Length [s]	130	130	130	130	130	130	130	130	130	130	130
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g, I, Effective Green Time [s]	12	24	24	28	38	38	19	46	18	45	45
g / C, Green / Cycle	0.09	0.18	0.18	0.20	0.29	0.29	0.14	0.36	0.14	0.35	0.35
(v / s), I Volume / Saturation Flow Rate	0.07	0.17	0.12	0.18	0.27	0.05	0.13	0.23	0.13	0.13	0.21
s, saturation flow rate [veh/h]	1774	3547	1560	3445	1863	1623	1774	3547	1774	3547	3547
c, Capacity [veh/h]	163	651	286	688	543	473	255	1265	243	1241	1241
d1, Uniform Delay [s]	57.43	52.13	49.10	51.08	44.59	34.40	54.72	34.89	55.38	34.74	34.74
k, delay calibration	0.11	0.11	0.11	0.11	0.31	0.13	0.15	0.50	0.22	0.50	0.50
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	5.87	5.83	2.37	5.96	16.30	0.21	14.55	2.51	21.78	2.13	2.13
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.72	0.92	0.64	0.93	0.92	0.18	0.90	0.64	0.91	0.60	0.60
d, Delay for Lane Group [s/veh]	63.30	57.96	51.47	57.10	60.89	34.62	69.27	37.40	77.13	36.86	36.86
Lane Group LOS	E	E	D	E	E	C	E	D	E	D	D
Critical Lane Group	No	Yes	No	Yes	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/m]	3.98	10.01	5.65	10.47	17.51	1.98	8.11	10.56	8.24	9.27	9.27
50th-Percentile Queue Length [ft/m]	99.57	250.19	141.34	261.78	437.75	49.47	202.63	264.01	206.09	231.74	231.74
95th-Percentile Queue Length [veh/m]	7.17	15.20	9.55	15.78	24.37	3.56	12.77	15.89	12.95	14.28	14.28
95th-Percentile Queue Length [ft/m]	179.23	379.90	238.83	394.45	609.31	89.04	319.36	397.24	323.81	356.57	356.57

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	63.30	57.96	51.47	57.10	60.89	34.62	69.27	37.40	0.00	77.13	36.86	0.00
Movement LOS	E	E	D	E	E	C	E	D		E	D	
d_A, Approach Delay [s/veh]		57.33		57.11			44.41			46.15		
Approach LOS		E		E			D			D		
d_I, Intersection Delay [s/veh]						51.39						
Intersection LOS						D						
Intersection V/C						0.708						

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 2: Stony Point Rd/SR-12 West Ramps-Occidental Rd

Control Type :
Signalized
HCM 2010
Analysis Method:
Analysis Period:
15 minutes
Delay (sec / veh):
51.6
D
Level Of Service:
D
Volume to Capacity (v/c):
0.623

Intersection Setup

Name	Stony Point Rd	Northbound	Stony Point Rd	Southbound	Occidental Rd	Eastbound	SR-12 WB Off-Ramp	Westbound
Approach								
Lane Configuration								
Turning Movement								
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	0	1	0	2	0
Pocket Length [ft]	150.00	100.00	100.00	100.00	100.00	100.00	450.00	100.00
Speed [mph]	35.00				30.00		30.00	
Grade [%]	0.00				0.00		0.00	
Crosswalk	No		Yes		Yes		Yes	

Volumes

Name	Stony Point Rd	Stony Point Rd	Stony Point Rd	Stony Point Rd	Occidental Rd	Occidental Rd	SR-12 WB Off-Ramp
Base Volume Input [veh/h]	113	876	68	0	1413	67	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	42	0	0	74	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	113	918	68	0	1487	124	67
Peak Hour Factor	1.0000	1.0000	0.8540	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	28	230	20	0	372	31	17
Total Analysis Volume [veh/h]	113	918	60	0	1487	124	67
Presence of On-Street Parking	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	0	0	0
Bicycle Volume [bicycles/h]	11	0	5	11	0	0	3

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Unsignal	Permiss	Permiss	Split	Permiss	Overlap	Split	Split
Signal Group	3	8	0	0	4	0	2	0	2	0
Auxiliary Signal Groups	Lead	-	-	-	-	Lead	-	-	-	-
Minimum Green [s]	5	5	0	0	5	0	5	0	5	0
Maximum Green [s]	30	30	0	0	30	0	30	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0
Split [s]	23	80	0	0	57	0	9	0	9	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0
Walk [s]	0	7	0	0	7	0	0	0	0	0
Pedestrian Clearance [s]	0	14	0	0	21	0	0	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C	L	R	L	C	R
C, Cycle Length [s]	120	120	120	120	120	120	120	120	120
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g, I, Effective Green Time [s]	36	76	36	36	5	45	27	27	27
g / C, Green / Cycle	0.30	0.63	0.30	0.30	0.04	0.38	0.22	0.22	0.22
(v / s), Volume / Saturation Flow Rate	0.06	0.26	0.30	0.30	0.04	0.06	0.22	0.15	0.18
s, saturation flow rate [veh/h]	1774	3547	3547	1770	1774	2803	3445	1812	1532
c, Capacity [veh/h]	532	2244	1063	531	75	1052	775	408	345
d1, Uniform Delay [s]	31.49	10.94	42.10	42.10	57.29	24.90	46.09	42.54	43.97
k, delay calibration	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.16	0.24
l, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.91	0.55	30.13	42.16	26.85	0.07	8.42	2.84	8.88
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	9.87	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.21	0.41	1.01	1.01	0.89	0.15	0.96	0.67	0.79
d, Delay for Lane Group [s/veh]	32.40	11.49	72.23	84.27	94.01	24.96	54.51	45.38	52.86
Lane Group LOS	C	B	F	F	F	C	D	D	D
Critical Lane Group	Yes	No	No	Yes	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/m]	2.58	5.82	19.82	21.55	2.59	1.56	11.83	7.72	8.50
50th-Percentile Queue Length [ft/m]	64.45	145.62	495.50	538.83	64.69	39.11	295.67	193.08	212.51
95th-Percentile Queue Length [veh/m]	4.64	9.78	27.30	29.40	4.66	2.82	17.47	12.28	13.28
95th-Percentile Queue Length [ft/m]	116.02	244.57	682.56	735.09	116.43	70.40	436.67	307.02	332.05

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	32.40	11.49	0.00	0.00	75.57	84.27	94.01	0.00	24.96	54.51	45.38	52.00
Movement LOS	C	B			E	F	F		C	D	D	D
d, A, Approach Delay [s/veh]		13.78			76.24			45.08				52.23
Approach LOS		B			E			D				D
d, I, Intersection Delay [s/veh]					51.60							
Intersection LOS					D							
Intersection V/C					0.623							

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	-	-	-	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Control Type :
Analysis Method:
Analysis Period:

Signalized
HCM 2010
15 minutes

Intersection Level Of Service Report
Intersection 3: Stony Point Rd/SR 12 East Ramps

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

20.0
C
0.693

Intersection Settings	
Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	100
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing											
Control Type	Permiss	Permiss	Unsigna	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	7	4	0	2	0	0	0	0
Auxiliary Signal Groups											
Lead / Lag	-	-	-	Lag	-	-	Lead	-	-	-	-
Minimum Green [s]	0	15	0	5	5	0	5	0	0	0	0
Maximum Green [s]	0	45	0	20	20	0	20	0	0	0	0
Amber [s]	0.0	3.0	0.0	4.1	4.1	0.0	3.9	0.0	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
Split [s]	0	25	0	49	50	0	50	0	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0	0.0	0.0	0.0
Walk [s]	0	7	0	7	7	0	8	0	0	0	0
Pedestrian Clearance [s]	0	8	0	14	14	0	19	0	0	0	0
Rest In Walk		No		No	No		No				
11, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0
12, Clearance Lost Time [s]	0.0	2.0	0.0	3.1	3.1	0.0	2.9	0.0	0.0	0.0	0.0
Minimum Recall		No		No	No		No				
Maximum Recall		No		No	No		No				
Pedestrian Recall		No		No	No		No				
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase	
Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Intersection Setup													
Name		Stony Point Rd Northbound			Stony Point Rd Southbound			SR 12 EB Off-Ramp Eastbound			SR 12 EB On-Ramp Westbound		
Approach													
Lane Configuration		11R			11L			77R					
Turning Movement		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]		12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket		0	0	1	1	0	0	0	0	0	0	0	0
Pocket Length [ft]		100.00	100.00	170.00	390.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]		35.00			35.00			30.00			30.00		
Grade [%]		0.00			0.00			0.00			0.00		
Crosswalk		Yes			No			Yes			Yes		

Volumes												
Name		Stony Point Rd			Stony Point Rd			SR 12 EB Off-Ramp			SR 12 EB On-Ramp	
Other Adjustment Factor	Base Volume Input [veh/h]	0	1074	785	542	1575	0	70	0	165	0	0
	Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
	Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0
	Site-Generated Trips [veh/h]	0	42	85	0	215	0	0	0	22	0	0
	Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0
	Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0
	Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0
	Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0
Peak Hour Factor	Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	73	0	0
	Total Hourly Volume [veh/h]	0	1116	870	542	1790	0	70	0	114	0	0
	Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	Total 15-Minute Volume [veh/h]	0	279	218	136	448	0	18	0	29	0	0
	Total Analysis Volume [veh/h]	0	1116	870	542	1790	0	70	0	114	0	0
	Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No
	On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0	0	0	0	0	0	0
	Local Bus Stopping Rate [1/h]	0	0	0	0	0	0	0	0	0	0	0
	Pedestrian Volume [ped/h]	4								3		0
Bicycle Volume [bicycles/h]		13					8		0		0	

Lane Group Calculations

Lane Group		C	L	C	L	R
C, Cycle Length [s]	67	67	67	67	67	67
L, Total Lost Time per Cycle [s]	4.00	5.10	5.10	4.90	4.90	
I1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	
I2, Clearance Lost Time [s]	2.00	3.10	3.10	2.90	2.90	
g, I, Effective Green Time [s]	25	20	49	8	8	
g / C, Green / Cycle	0.38	0.30	0.74	0.11	0.11	
(v / s), I Volume / Saturation Flow Rate	0.31	0.31	0.50	0.02	0.07	
s, saturation flow rate [veh/h]	3547	1774	3547	3445	1567	
c, Capacity [veh/h]	1336	531	2610	393	179	
d1, Uniform Delay [s]	18.93	23.38	4.70	26.74	28.25	
k, delay calibration	0.11	0.41	0.29	0.11	0.11	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	1.45	40.40	0.86	0.21	3.73	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.84	1.02	0.69	0.18	0.64
d, Delay for Lane Group [s/veh]	20.38	63.79	5.56	26.95	31.98
Lane Group LOS	C	F	A	C	C
Critical Lane Group	Yes	Yes	No	No	Yes
50th-Percentile Queue Length [veh/m]	7.14	13.43	3.51	0.49	1.85
50th-Percentile Queue Length [ft/m]	178.51	335.74	87.87	12.37	46.19
95th-Percentile Queue Length [veh/m]	11.52	19.68	6.33	0.89	3.33
95th-Percentile Queue Length [ft/m]	288.06	491.96	158.16	22.26	83.14

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	0.00	20.38	63.79	5.56	0.00	28.95	0.00	31.98	0.00	0.00	0.00
Movement LOS		C	F	A		C		C			
d_A, Approach Delay [s/veh]		20.38		19.09			30.07			0.00	
Approach LOS		C		B			C			A	
d_I, Intersection Delay [s/veh]						20.04					
Intersection LOS						C					
Intersection V/C						0.693					

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-
Ring 2	-	-	7	8	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-



Control Type :
Signalized
HCM 2010
Analysis Method:
Analysis Period:
15 minutes

Intersection Level Of Service Report

Intersection 4: Sebastopol Rd/North Wright Rd-South Wright Rd

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

43.9
D
0.855

Intersection Setup

Name	S Wright Rd			N Wright Rd			Sebastopol Rd		
Approach	Northbound			Southbound			Eastbound		
Lane Configuration	T			T			+		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	20.00	20.00	10.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	1	0
Pocket Length [ft]	40.00	100.00	100.00	150.00	100.00	100.00	100.00	200.00	100.00
Speed [mph]	35.00			35.00			25.00		
Grade [%]	0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes		

Volumes

Name	S Wright Rd			N Wright Rd			Sebastopol Rd		
Base Volume Input [veh/h]	2	326	99	420	404	9	18	7	3
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	9	29	27	16	0	0	0	50
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	28	0	0	0	0	0	0
Total Hourly Volume [veh/h]	2	335	100	447	420	9	18	7	3
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	84	25	112	105	2	5	2	1
Total Analysis Volume [veh/h]	2	335	100	447	420	9	18	7	3
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	0	0	0	0	1
Bicycle Volume [bicyclist/h]	6	0	0	0	0	2	0	0	8

Intersection Settings									
Located in CBD	No								
Signal Coordination Group	-								
Cycle Length [s]	90								
Coordination Type	Time of Day Pattern Coordinated								
Actuation Type	Fully actuated								
Offset [s]	0.0								
Offset Reference	LeadGreen								
Permissive Mode	SingleBand								
Lost time [s]	0.00								

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Split	Split	Split	Split	Overlap
Signal Group	3	8	0	7	4	0	0	5	0	0	0	6	6
Auxiliary Signal Groups	Lag	-	-	Lag	-	-	-	-	-	-	-	36.7	-
Lead / Lag	4	4	0	4	4	0	0	5	0	0	5	5	5
Minimum Green [s]	15	30	0	20	30	0	0	25	0	0	25	25	25
Maximum Green [s]	3.1	3.3	0.0	3.1	4.2	0.0	0.0	3.1	0.0	0.0	3.9	3.9	3.9
Amber [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All red [s]	16	28	0	8	20	0	0	27	0	0	27	27	27
Split [s]	2.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	2.0	2.0
Vehicle Extension [s]	0	7	0	0	7	0	0	7	0	0	7	7	7
Walk [s]	0	16	0	0	7	0	0	16	0	0	16	16	16
Pedestrian Clearance [s]	Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	2.0	2.0
12, Clearance Lost Time [s]	1.1	1.3	0.0	1.1	2.2	0.0	0.0	1.1	0.0	0.0	1.9	1.9	1.9
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

[illegible]

Lane Group Results

X, volume / capacity d, Delay [for Lane Group [s/veh]]	Lane Group LOS				Critical Lane Group				0.54	0.29	0.27
	B	D	E	D	No	Yes	No	Yes			
50th-Percentile Queue Length [veh/ln]	0.00	0.91	1.00	0.81	0.81	0.81	0.58	2.04	8.82		
50th-Percentile Queue Length [ft/ln]	16.29	35.95	68.50	35.06	35.07	40.99	14.38	50.96	220.62		
95th-Percentile Queue Length [veh/ln]	0.04	13.25	18.64	7.16	7.11	1.04	3.67	13.70	342.41		
95th-Percentile Queue Length [ft/ln]	0.99	331.29	466.09	179.08	177.83	25.88	91.72	342.41			

Movement, Approach, & Intersection Results

[illegible]

Sequence

[illegible]

Intersection Level Of Service Report				
Intersection 5: Corporate Center Pkwy/Sebastopol Rd				
Control Type :	Signalized	Delay (sec / veh):	20.1	
Analysis Method:	HCM 2010	Level Of Service:	C	
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.533	

Intersection Setup

Name	Corporate Center Pkwy			Corporate Center Pkwy			Sebastopol Rd		
Approach	Northbound			Southbound			Eastbound		
Lane Configuration	T			T			T		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	1	0	1	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	80.00	100.00	100.00
Speed [mph]	40.00			25.00			40.00		
Grade [%]	0.00			0.00			0.00		
Crosswalk	Yes			Yes			No		

Volumes

Name	Corporate Center Pkwy			Corporate Center Pkwy			Sebastopol Rd		
Base Volume Input [veh/h]	441	1	506	2	1	4	0	287	165
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	12	0	5	0	0	0	0	46	18
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	453	1	511	2	1	4	0	333	183
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	113	0	128	1	0	1	0	83	46
Total Analysis Volume [veh/h]	453	1	511	2	1	4	0	333	183
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	0	0	0	0	0
Bicycle Volume [bicyclsh]	0	0	0	0	0	0	0	0	0

Intersection Settings									
Located in CBD	No								
Signal Coordination Group	-								
Cycle Length [s]	120								
Coordination Type	Time of Day Pattern Coordinated								
Actuation Type	Fully actuated								
Offset [s]	0.0								
Offset Reference	LeadGreen								
Permissive Mode	SingleBand								
Lost time [s]	0.00								

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Split	Split	Permiss
Signal Group	0	3	0	0	4	0	5	2	0
Auxiliary Signal Groups	-	-	-	-	-	-	-	-	-
Lead / Lag	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	5	0	0	6	0	7	0	0
Maximum Green [s]	0	40	0	0	50	0	30	0	30
Amber [s]	0.0	3.9	0.0	0.0	3.0	0.0	3.9	0.0	3.9
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0
Split [s]	0	35	0	0	19	0	12	36	0
Vehicle Extension [s]	0.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	3.0
Walk [s]	0	7	0	0	0	0	0	7	0
Pedestrian Clearance [s]	0	23	0	0	0	0	23	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0
I2, Clearance Lost Time [s]	0.0	2.9	0.0	0.0	2.0	0.0	2.9	0.0	2.9
Minimum Recall	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

[illegible]

Lane Group Results

	X, volume / capacity	0.70	0.89	0.15	0.28	0.00	0.75	0.77	0.49	0.85
d, Delay [or Lane Group] [s/veh]	B	A	C	D	E	F	G	H	I	J
Lane Group LOS	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
Critical Lane Group										
50th-Percentile Queue Length [veh/in]	4.18	5.40	0.05	0.07	0.00	3.27	2.84	1.68	4.39	
50th-Percentile Queue Length [ft/in]	104.53	134.94	1.14	1.68	0.00	81.82	71.06	42.06	109.76	
95th-Percentile Queue Length [veh/in]	7.53	9.21	0.08	0.12	0.00	5.89	5.12	3.03	7.83	
95th-Percentile Queue Length [ft/in]	188.16	230.19	2.06	3.03	0.00	147.28	127.90	75.71	195.66	

Movement, Approach, & Intersection Results

[illegible]

Sequence

[illegible]

Lane Group Calculations

Lane Group		L	C	C	L	C	R	L	C	R	L	C	R
C, Cycle Length [s]		121	121	121	121	121	121	121	121	121	121	121	121
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
I1, P, Permitted Start-Up Lost Time [s]		2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	0.00	2.00	2.00	2.00	2.00	2.00	0.00
g, I, Effective Green Time [s]		12	30	30	27	45	93	28	35	35	13	20	83
g / C, Green / Cycle		0.10	0.25	0.25	0.22	0.37	0.77	0.23	0.29	0.29	0.11	0.16	0.69
(v / s), Volume / Saturation Flow Rate		0.07	0.25	0.25	0.20	0.28	0.31	0.20	0.15	0.06	0.09	0.12	0.25
s, saturation flow rate [veh/h]		1412	1863	1734	1774	3547	1630	2741	1863	1538	1774	1863	1551
c, Capacity [veh/h]		175	462	431	396	1320	1161	658	538	444	190	301	1064
d1, Uniform Delay [s]		54.73	45.32	45.42	45.77	33.22	4.58	46.18	36.02	32.45	52.93	48.45	7.93
k, delay calibration		0.11	0.45	0.46	0.32	0.14	0.50	0.11	0.17	0.11	0.11	0.11	0.44
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		279	38.05	45.77	19.91	1.17	1.04	2.87	1.22	0.22	9.68	4.07	0.84
d3, Initial Queue Delay [s]		0.00	0.00	0.00	11.55	0.00	0.00	2.64	0.55	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.56	0.99	1.02	0.91	0.91	0.76	0.41	0.63	0.53	0.20	0.84	0.77	0.36
d, Delay for Lane Group [s/veh]		57.52	83.38	91.19	77.22	34.39	5.63	51.69	37.79	32.67	62.52	52.52	8.77	8.77
Lane Group LOS		E	F	F	E	C	A	D	D	D	C	E	D	A
Critical Lane Group		No	No	Yes	Yes	No	No	Yes	No	No	No	No	No	Yes
50th-Percentile Queue Length [veh/m]		3.05	18.38	18.14	12.60	12.81	3.53	8.12	7.03	1.99	5.27	7.00	4.14	4.14
50th-Percentile Queue Length [ft/m]		76.30	459.58	453.54	314.91	320.35	88.21	203.04	175.77	49.73	131.71	174.96	103.41	103.41
95th-Percentile Queue Length [veh/m]		5.49	25.41	25.37	18.42	18.68	6.35	12.80	11.38	3.58	9.03	11.34	7.45	7.45
95th-Percentile Queue Length [ft/m]		137.33	635.36	634.21	460.42	467.12	158.77	319.88	284.49	89.52	225.82	283.43	186.13	186.13

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]		57.52	86.53	91.19	77.22	34.39	5.63	51.69	37.79	32.67	62.52	52.52	8.77	8.77
Movement LOS		E	F	F	E	C	A	D	D	C	E	D	A	A
d_A, Approach Delay [s/veh]			84.26			35.27			45.57				32.97	
Approach LOS			F			D			D				C	
d_I, Intersection Delay [s/veh]							47.72							
Intersection LOS							D							
Intersection V/C							0.843							

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 8: Corporate Center Pkwy/Northpoint Pkwy

All-way stop
HCM 2010
15 minutes
Delay (sec / veh): 12.5
Level Of Service: B
Volume to Capacity (v/c): 0.569

Intersection Setup

Name	Corporate Center Pkwy			Corporate Center Pkwy			Northpoint Pkwy			Northpoint Pkwy
Approach	Northbound			Southbound			Eastbound			Westbound
Lane Configuration	+									
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	1	0	1	0	1	0
Pocket Length [ft]	100.00	100.00	100.00	120.00	100.00	100.00	125.00	100.00	100.00	100.00
Speed [mph]	40.00			40.00			40.00			40.00
Grade [%]	0.00			0.00			0.00			0.00
Crosswalk	Yes			Yes			Yes			Yes

Volumes

Name	Corporate Center Pkwy			Corporate Center Pkwy			Northpoint Pkwy			Northpoint Pkwy
Base Volume Input [veh/h]	0	22	5	324	5	105	56	37	0	1
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	19	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	22	5	343	5	105	56	37	0	1
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	6	1	86	1	26	14	9	0	0
Total Analysis Volume [veh/h]	0	22	5	343	5	105	56	37	0	1
Pedestrian Volume [ped/h]	0			0			0			0

Intersection Settings

Lanes

Capacity per Entry Lane [veh/h]	560	603	658	754	508	547	547	532	575	648
Degree of Utilization, x	0.05	0.57	0.01	0.14	0.11	0.03	0.03	0.00	0.10	0.29

Movement, Approach, & Intersection Results

95th-Percentile Queue Length [veh]	0.15	3.56	0.02	0.48	0.37	0.10	0.10	0.01	0.34	1.19
95th-Percentile Queue Length [ft]	3.79	89.07	0.57	12.07	9.24	2.62	2.62	0.14	8.38	29.82
Approach Delay [s/veh]	9.75		14.30			10.21			10.30	
Approach LOS	A		B			B			B	
Intersection Delay [s/veh]	12.48									
Intersection LOS	B									

Intersection Level Of Service Report
Intersection 9 : Northpoint Pkwy/Stony Point Rd

Control Type : Signalized
Analysis Method : HCM 2010
Analysis Period : 15 minutes
Delay (sec / veh): 18.6
Level Of Service: B
Volume to Capacity (v/c): 0.477

Intersection Setup

Name	Stony Point Rd			Stony Point Rd			Northpoint Pkwy			Northpoint Pkwy		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration	LL			LL			LL			LL		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	300.00	100.00	100.00	120.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00			40.00			40.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			Yes			No		

Volumes

Name	Stony Point Rd			Stony Point Rd			Northpoint Pkwy			Northpoint Pkwy		
Base Volume Input [veh/h]	161	748	0	0	889	41	124	0	402	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	12	66	0	0	81	0	0	0	19	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	173	814	0	0	970	41	124	0	421	0	0	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	43	204	0	0	243	10	31	0	105	0	0	0
Total Analysis Volume [veh/h]	173	814	0	0	970	41	124	0	421	0	0	0
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0			13			2			0		
Bicycle Volume [bicycles/h]	4			3			0			2		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	100
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	ProtPer	Permiss	ProtPer	Permiss	Split	Permiss	Split	Overlap	Split	Split
Signal Group	3	8	0	7	4	0	2	0	3	0
Auxiliary Signal Groups	Lead	-	-	Lead	-	-	Lead	-	-	-
Minimum Green [s]	5	5	0	5	7	0	5	0	5	0
Maximum Green [s]	15	15	0	15	20	0	40	0	15	0
Amber [s]	4.3	3.0	0.0	3.0	4.3	0.0	4.3	0.0	4.3	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	1.0	0.0
Split [s]	11	48	0	9	46	0	43	0	11	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0	3.0	0.0
Walk [s]	0	0	0	0	7	0	0	0	0	7
Pedestrian Clearance [s]	0	0	0	0	21	0	0	0	0	17
Rest In Walk	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	3.3	2.0	0.0	2.0	3.3	0.0	3.3	0.0	3.3	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	R	C
C, Cycle Length [s]	62	62	62	62	62	62	62	62	62
L, Total Lost Time per Cycle [s]	4.65	4.00	4.00	5.30	5.30	5.30	5.30	5.30	5.30
I1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00
I2, Clearance Lost Time [s]	0.00	2.00	2.00	0.00	3.30	3.30	3.30	0.00	3.30
g, I, Effective Green Time [s]	38	34	34	37	19	19	14	32	14
g / C, Green / Cycle	0.62	0.55	0.55	0.60	0.31	0.31	0.23	0.52	0.23
(v / s), I Volume / Saturation Flow Rate	0.10	0.22	0.22	0.00	0.27	0.27	0.09	0.27	0.00
s, saturation flow rate [veh/h]	1771	1863	1863	728	1863	1833	1389	1583	1863
c, Capacity [veh/h]	1095	1031	1031	525	574	565	397	825	489
d1, Uniform Delay [s]	5.00	7.90	7.90	0.00	20.43	20.44	21.67	9.69	0.00
k, delay calibration	0.11	0.34	0.34	0.11	0.29	0.29	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.07	0.77	0.77	0.00	11.51	11.81	0.44	0.49	0.00
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.16	0.39	0.39	0.00	0.89	0.89	0.31	0.51	0.00
d, Delay for Lane Group [s/veh]	5.07	8.68	8.68	0.00	31.94	32.25	22.11	10.18	0.00
Lane Group LOS	A	A	A	A	C	C	C	B	A
Critical Lane Group	No	No	No	No	No	Yes	No	Yes	No
50th-Percentile Queue Length [veh/m]	0.64	2.48	2.48	0.00	7.83	7.76	1.46	2.92	0.00
50th-Percentile Queue Length [ft/m]	15.94	61.95	61.95	0.00	195.68	194.10	36.54	73.01	0.00
95th-Percentile Queue Length [veh/m]	1.15	4.46	4.46	0.00	12.42	12.33	2.63	5.26	0.00
95th-Percentile Queue Length [ft/m]	28.69	111.51	111.51	0.00	310.39	308.35	65.77	131.42	0.00

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	5.07	8.68	8.68	0.00	32.09	32.25	22.11	10.18	0.00	0.00	0.00	0.00
Movement LOS	A	A	A	A	C	C	C	B	A	A	A	A
d, A, Approach Delay [s/veh]			8.04		32.10			12.89			0.00	
Approach LOS			A		C			B			A	
d, I, Intersection Delay [s/veh]						18.65						
Intersection LOS						B						
Intersection V/C						0.477						

Sequence

Ring 1	-	2	3	4	-	-	-	-	-	-	-	-
Ring 2	-	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 1: SR 12/Fulton Rd-Wright Rd

Control Type: Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes
Delay (sec / veh): 43.3
D
Level Of Service: D
Volume to Capacity (v/c): 0.509

Intersection Setup

Name	N Wright Rd				Fulton Rd				SR 12			
Approach	Northbound				Southbound				Eastbound			
Lane Configuration	TTL				TTL				TTL			
Turning Movement	Left	Thru	Right		Left	Thru	Right		Left	Thru	Right	
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	17.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Pocket Length [ft]	200.00	100.00	140.00	180.00	100.00	150.00	160.00	100.00	280.00	110.00	100.00	300.00
Speed [mph]	35.00				45.00				55.00			
Grade [%]	0.00				0.00				0.00			
Crosswalk	No				No				No			

Volumes

Name	N Wright Rd				Fulton Rd				SR 12			
Base Volume Input [veh/h]	63	257	223	563	314	167	188	690	60	123	571	452
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	6	2	0	0	7	0	0	0	20	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	101	0	0	80	0	0	0	0	0	0
Total Hourly Volume [veh/h]	69	259	122	563	321	87	188	690	80	123	571	452
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	17	65	31	141	80	22	47	173	20	31	143	113
Total Analysis Volume [veh/h]	69	259	122	563	321	87	188	690	80	123	571	452
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0				0				0			
Bicycle Volume [bicycles/h]	2				1				0			



Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	130
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	16.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Unsigna
Signal Group	3	8	3	7	4	0	5	2	0	1	6	0	0
Auxiliary Signal Groups	Lag	-	-	Lead	-	-	Lag	-	-	Lead	-	-	-
Minimum Green [s]	6	10	6	10	10	0	6	15	0	6	15	0	0
Maximum Green [s]	15	35	15	35	45	0	28	20	0	17	20	0	0
Amber [s]	3.0	3.9	3.0	3.0	4.3	0.0	3.0	5.8	0.0	3.0	5.8	0.0	0.0
All red [s]	0.5	0.5	0.5	0.5	0.5	0.0	1.0	1.5	0.0	0.5	1.5	0.0	0.0
Split [s]	11	23	11	44	55	0	23	47	0	17	40	0	0
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.5	0.0	3.0	5.0	0.0	3.0	5.0	0.0	0.0
Walk [s]	0	7	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Clearance [s]	0	30	0	0	0	0	0	0	0	0	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	0.0
12, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	0.0
Minimum Recall	No	No	No	No	No	No	No	Yes	No	No	Yes	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0



Lane Group Calculations

Lane Group		L	C	R	L	C	R	L	C	L	C
C, Cycle Length [s]		130	130	130	130	130	130	130	130	130	130
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
I1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g, I, Effective Green Time [s]		11	13	13	24	26	26	16	67	10	61
g / C, Green / Cycle		0.09	0.10	0.10	0.18	0.20	0.20	0.12	0.51	0.08	0.47
(v / s), I Volume / Saturation Flow Rate		0.04	0.07	0.08	0.16	0.17	0.05	0.11	0.19	0.07	0.16
s, saturation flow rate [veh/h]		1774	3547	1557	3445	1863	1625	1774	3547	1774	3547
c, Capacity [veh/h]		154	361	158	633	370	323	214	1816	141	1670
d1, Uniform Delay [s]		56.41	56.60	56.92	51.79	50.46	44.13	56.22	19.23	59.16	21.70
k, delay calibration		0.11	0.11	0.11	0.11	0.13	0.13	0.11	0.50	0.11	0.50
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		2.03	2.69	7.67	4.54	7.43	0.54	10.88	0.61	14.69	0.56
d3, Initial Queue Delay [s]		0.41	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.45	0.72	0.77	0.89	0.87	0.27	0.88	0.38	0.87	0.34
d, Delay for Lane Group [s/veh]		56.85	59.29	64.60	56.42	57.89	44.66	67.10	19.84	73.86	22.25
Lane Group LOS		E	E	E	E	E	D	E	B	E	C
Critical Lane Group		No	No	Yes	Yes	No	No	Yes	No	No	Yes
50th-Percentile Queue Length [veh/m]		2.23	4.23	4.22	9.12	10.61	2.38	6.48	5.97	4.38	5.10
50th-Percentile Queue Length [ft/m]		55.79	105.84	105.53	228.03	265.22	59.54	162.01	149.37	109.46	127.58
95th-Percentile Queue Length [veh/m]		4.02	7.61	7.59	14.07	15.95	4.29	10.66	9.98	7.81	8.81
95th-Percentile Queue Length [ft/m]		100.43	190.20	189.77	351.86	398.76	107.17	266.38	249.59	195.25	220.20

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	56.85	59.29	64.60	56.42	57.89	44.66	67.10	19.84	0.00	73.86	22.25	0.00
Movement LOS	E	E	E	E	E	D	E	B		E	C	
d_A, Approach Delay [s/veh]		60.66			56.86			29.96			31.40	
Approach LOS		E			E			C			C	
d_I, Intersection Delay [s/veh]						43.31						
Intersection LOS						D						
Intersection V/C						0.509						

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Control Type :
Signalized
HCM 2010
Analysis Method:
Analysis Period:
15 minutes

Intersection Level Of Service Report
Intersection 2: Stony Point Rd/SR 12 West Ramps-Occidental Rd
Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):
35.0
C
0.435

Located in CBD
Signal Coordination Group
Cycle Length [s]
Coordination Type
Actuation Type
Offset [s]
Offset Reference
Permissive Mode
Lost time [s]

No
-
120
Time of Day Pattern Coordinated
Fully actuated
0.0
LeadGreen
SingleBand
0.00

Intersection Setup

Name	Stony Point Rd	Stony Point Rd	Occidental Rd	SR 12 WB Off-Ramp
Approach	Northbound	Southbound	Eastbound	Westbound
Lane Configuration	LeftThruRight	LeftThruRight	LeftThruRight	LeftThruRight
Turning Movement	LeftThruRight	LeftThruRight	LeftThruRight	LeftThruRight
Lane Width [ft]	12.0016.0012.00	12.0012.0012.00	12.0012.0012.00	12.0012.0012.00
No. of Lanes in Pocket	100010000	100010000	100010000	10000275.00
Pocket Length [ft]	150.00100.00100.00	110.00100.00100.00	100.00100.00100.00	100.00100.00275.00
Speed [mph]	35.00	35.00	30.00	30.00
Grade [%]	0.00	0.00	0.00	0.00
Crosswalk	No	Yes	Yes	Yes

Volumes

Name	Stony Point Rd	Stony Point Rd	Occidental Rd	SR 12 WB Off-Ramp
Base Volume Input [veh/h]	4455072	074441	620233	71371406
Base Volume Adjustment Factor	1.00001.00001.0000	1.00001.00001.0000	1.00001.00001.0000	1.00001.00001.0000
Heavy Vehicles Percentage [%]	2.002.002.00	2.002.002.00	2.002.002.00	2.002.002.00
Growth Factor	1.00001.00001.0000	1.00001.00001.0000	1.00001.00001.0000	1.00001.00001.0000
In-Process Volume [veh/h]	000000	000000	000000	000000
Site-Generated Trips [veh/h]	020000	700000	000000	700000
Diverted Trips [veh/h]	000000	000000	000000	000000
Pass-by Trips [veh/h]	000000	000000	000000	000000
Existing Site Adjustment Volume [veh/h]	000000	000000	000000	000000
Other Volume [veh/h]	000000	000000	000000	000000
Right-Turn on Red Volume [veh/h]	000000	000000	000000	000000
Total Hourly Volume [veh/h]	4455272	075137	620135	78371178
Peak Hour Factor	1.00001.00000.8540	1.00001.00001.0000	1.00001.00001.0000	1.00001.00001.0000
Other Adjustment Factor	1.00001.00001.0000	1.00001.00001.0000	1.00001.00001.0000	1.00001.00001.0000
Total 15-Minute Volume [veh/h]	1113821	01889	16034	1961845
Total Analysis Volume [veh/h]	4455284	075137	620135	78371178
Presence of On-Street Parking	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	000000	000000	000000	000000
Local Bus Stopping Rate [1/h]	000000	000000	000000	000000
Pedestrian Volume [ped/h]	000000	500000	000000	200000
Bicycle Volume [bicycles/h]	500000	500000	000000	000000

Lane Group Calculations

Lane Group		L	C	C	C	L	R	L	C	R
C, Cycle Length [s]		120	120	120	120	120	120	120	120	120
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
I1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g, I, Effective Green Time [s]		33	70	33	33	7	44	31	31	31
g / C, Green / Cycle		0.27	0.58	0.27	0.27	0.06	0.36	0.26	0.26	0.26
(v / s), Volume / Saturation Flow Rate		0.02	0.16	0.15	0.15	0.03	0.05	0.23	0.07	0.08
s, saturation flow rate [veh/h]		1774	3547	1810	1774	1774	2803	3445	1724	1568
c, Capacity [veh/h]		487	2065	973	487	100	1020	902	461	411
d1, Uniform Delay [s]		32.43	12.42	37.12	38.99	55.45	25.54	42.35	35.27	35.54
k, delay calibration		0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.37	0.32	2.15	4.00	6.23	0.06	2.71	0.33	0.41
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

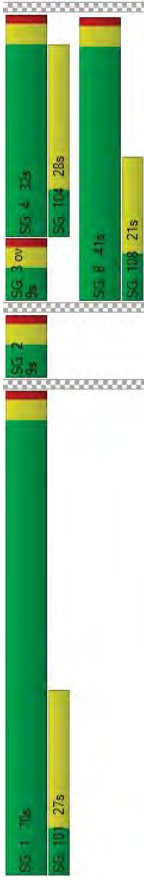
X, volume / capacity		0.09	0.27	0.54	0.53	0.62	0.13	0.87	0.28	0.30
d, Delay for Lane Group [s/veh]		32.79	12.74	39.27	40.99	61.68	25.60	45.05	35.60	35.96
Lane Group LOS		C	B	D	D	E	C	D	D	D
Critical Lane Group		Yes	No	Yes	No	Yes	No	Yes	No	No
50th-Percentile Queue Length [veh/m]		1.00	3.62	6.79	7.03	2.01	1.31	11.35	2.96	2.99
50th-Percentile Queue Length [ft/m]		25.01	90.52	169.71	175.67	50.27	32.73	283.82	73.95	74.67
95th-Percentile Queue Length [veh/m]		1.80	6.52	11.06	11.37	3.62	2.36	16.88	5.32	5.38
95th-Percentile Queue Length [ft/m]		45.02	162.93	276.53	284.35	90.49	58.91	421.96	133.12	134.40

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	32.79	12.74	0.00	0.00	39.78	40.99	61.68	0.00	25.60	45.05	35.60	35.85
Movement LOS	C	B			D	D	E		C	D	D	D
d, A, Approach Delay [s/veh]		14.22			39.84			36.95			42.81	
Approach LOS		B			D			D			D	
d, I, Intersection Delay [s/veh]						34.95						
Intersection LOS						C						
Intersection V/C						0.435						

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	-	-	-	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 3: Stony Point Rd/SR 12 East Ramps

Control Type: Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes
Delay (sec / veh): 32.3
Level Of Service: C
Volume to Capacity (v/c): 0.767

Intersection Setup

Name	Stony Point Rd	Stony Point Rd	Stony Point Rd	SR 12 EB Off-Ramp	SR 12 EB On-Ramp	
Approach	Northbound	Southbound	Eastbound	Westbound		
Lane Configuration	III		rrr			
Turning Movement	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	35.00	35.00	30.00	30.00	30.00	
Grade [%]	0.00	0.00	0.00	0.00	0.00	
Crosswalk	Yes	No	Yes	Yes	Yes	

Volumes

Name	Stony Point Rd		Stony Point Rd		SR 12 EB Off-Ramp		SR 12 EB On-Ramp					
Base Volume Input [veh/h]	0	802	656	574	1571	0	75	0	85	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	2	20	0	77	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	43	0	0	0
Total Hourly Volume [veh/h]	0	804	676	574	1648	0	75	0	42	0	0	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	201	169	144	412	0	19	0	11	0	0	0
Total Analysis Volume [veh/h]	0	804	676	574	1648	0	75	0	42	0	0	0
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	2	0	0	0	0	0	0	0	0	0	0	0
Bicycle Volume [bicycles/h]	4	0	5	0	0	0	3	0	0	0	0	0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	7	4	0	2	0
Auxiliary Signal Groups	-	-	-	-	-	-	-	-
Lead / Lag	-	-	-	-	-	-	-	-
Minimum Green [s]	0	15	0	5	5	0	5	0
Maximum Green [s]	0	45	0	20	20	0	20	0
Amber [s]	0.0	3.0	0.0	4.1	4.1	0.0	3.9	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0
Split [s]	0	49	0	39	88	0	32	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0
Walk [s]	0	7	0	7	7	0	8	0
Pedestrian Clearance [s]	0	8	0	14	14	0	19	0
Rest In Walk	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	0.0	2.0	0.0	3.1	3.1	0.0	2.9	0.0
Minimum Recall	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		C	R	L	C	L	R
C, Cycle Length [s]		76	76	76	76	76	76
L, Total Lost Time per Cycle [s]		4.00	4.00	5.10	5.10	4.90	4.90
I1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	3.10	3.10	2.90	2.90
g, I, Effective Green Time [s]		36	36	20	60	5	5
g / C, Green / Cycle		0.48	0.48	0.26	0.80	0.07	0.07
(v / s), Volume / Saturation Flow Rate		0.23	0.44	0.32	0.46	0.02	0.03
s, saturation flow rate [veh/h]		3547	1547	1774	3547	3445	1569
c, Capacity [veh/h]		1714	747	469	2839	232	106
d1, Uniform Delay [s]		13.06	17.94	27.83	2.81	33.63	33.81
k, delay calibration		0.11	0.27	0.50	0.31	0.11	0.11
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.20	9.91	118.57	0.55	0.80	2.41
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.47	0.90	1.22	0.58	0.32	0.40
d, Delay for Lane Group [s/veh]	13.26	27.85	146.40	3.36	34.43	36.21
Lane Group LOS	B	C	F	A	C	D
Critical Lane Group	No	Yes	Yes	No	No	Yes
50th-Percentile Queue Length [veh/m]	4.07	11.35	23.30	1.87	0.67	0.79
50th-Percentile Queue Length [ft/m]	101.81	283.85	582.46	46.79	16.64	19.77
95th-Percentile Queue Length [veh/m]	7.33	16.88	34.88	3.37	1.20	1.42
95th-Percentile Queue Length [ft/m]	183.27	422.01	871.98	84.22	29.94	35.58

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	0.00	13.26	27.85	146.40	3.36	0.00	34.43	0.00	36.21	0.00	0.00	0.00
Movement LOS		B	C	F	A		C		D			
d, A, Approach Delay [s/veh]		19.93			40.31				35.07		0.00	
Approach LOS		B			D				D		A	
d, I, Intersection Delay [s/veh]							32.25					
Intersection LOS							C					
Intersection V/C							0.787					

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-	-
Ring 2	-	-	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Control Type :
Signalized
HCM 2010
Analysis Method:
Analysis Period:
15 minutes

Intersection Level Of Service Report

Intersection 4: Sebastopol Rd/North Wright Rd-South Wright Rd

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

30.6
C
0.769

Intersection Setup

Name	S Wright Rd			N Wright Rd			Sebastopol Rd		
Approach	Northbound			Southbound			Eastbound		
Lane Configuration	T			T			+		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	20.00	20.00	10.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	1	0
Pocket Length [ft]	40.00	100.00	100.00	150.00	100.00	100.00	100.00	200.00	100.00
Speed [mph]	35.00			35.00			25.00		
Grade [%]	0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes		

Volumes

Name	S Wright Rd			N Wright Rd			Sebastopol Rd		
Base Volume Input [veh/h]	5	335	94	354	353	19	17	7	3
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	27	0	0	0	0	8
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	14	0	0	3	0	0	0
Total Hourly Volume [veh/h]	5	335	80	381	353	16	17	7	3
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	84	20	95	88	4	4	2	1
Total Analysis Volume [veh/h]	5	335	80	381	353	16	17	7	3
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	0	0	0	0	0
Bicycle Volume [bicyclsh]	0	0	0	0	2	0	0	1	0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Split	Split	Split	Split	Overlap
Signal Group	3	8	0	7	4	0	0	0	5	0	0	0	6
Auxiliary Signal Groups	Lag	-	-	Lag	-	-	-	-	-	-	-	-	36.7
Lead / Lag	4	4	0	4	4	0	0	0	5	0	0	0	5
Minimum Green [s]	15	30	0	20	30	0	0	25	0	0	0	25	25
Maximum Green [s]	3.1	3.3	0.0	3.1	4.2	0.0	0.0	3.1	0.0	0.0	0.0	3.9	3.9
Amber [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All red [s]	9	27	0	9	27	0	0	27	0	0	0	27	27
Split [s]	2.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	2.0
Vehicle Extension [s]	0	7	0	0	7	0	0	7	0	0	0	7	7
Walk [s]	0	16	0	0	7	0	0	16	0	0	0	16	16
Pedestrian Clearance [s]	Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	2.0
12, Clearance Lost Time [s]	1.1	1.3	0.0	1.1	2.2	0.0	0.0	1.1	0.0	0.0	0.0	1.9	1.9
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	L	C	C	C	C	R
C, Cycle Length [s]		69	69	69	69	69	69	69	69
L, Total Lost Time per Cycle [s]		3.10	3.30	3.10	4.20	3.10	3.30	3.10	
l1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]		1.10	1.30	1.10	2.20	1.10	1.90	1.10	
g, I, Effective Green Time [s]		25	17	18	9	2	18	68	
g / C, Green / Cycle		0.37	0.25	0.26	0.13	0.03	0.27	0.99	
(v / s), Volume / Saturation Flow Rate		0.00	0.22	0.21	0.10	0.02	0.08	0.25	
s, saturation flow rate [veh/h]		1774	1874	1774	1863	1834	1772	1779	1583
c, Capacity [veh/h]		653	488	465	244	240	52	473	1563
d1, Uniform Delay [s]		13.91	25.11	24.08	29.15	29.15	33.22	20.38	38.01
k, delay calibration		0.04	0.04	0.23	0.04	0.04	0.04	0.04	0.50
l, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.00	2.30	7.43	1.87	1.91	2.89	0.13	0.38
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.01	0.89	0.82	0.76	0.76	0.52	0.30	0.25
d, Delay for Lane Group [s/veh]		13.91	27.41	31.53	31.02	31.08	36.11	20.52	36.40
Lane Group LOS		B	C	C	C	C	D	C	D
Critical Lane Group		No	Yes	Yes	No	No	Yes	No	Yes
50th-Percentile Queue Length [veh/m]		0.05	6.34	6.34	2.94	2.90	0.48	1.71	4.77
50th-Percentile Queue Length [ft/m]		1.14	158.56	158.52	73.46	72.47	12.03	42.72	119.14
95th-Percentile Queue Length [veh/m]		0.08	10.47	10.47	5.29	5.22	0.87	3.08	8.35
95th-Percentile Queue Length [ft/m]		2.06	261.82	261.76	132.23	130.44	21.66	76.90	208.65

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	13.91	27.41	27.41	31.53	31.04	31.06	36.11	36.11	36.11	20.52	20.52	36.40
Movement LOS	B	C	C	C	C	C	D	D	D	C	C	D
d_A, Approach Delay [s/veh]	27.25	31.29	36.11							32.13		
Approach LOS	C	C	D							C		
d_I, Intersection Delay [s/veh]						30.65						
Intersection LOS						C						
Intersection V/C						0.769						

Sequence

Ring 1	-	3	4	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Control Type : Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes

Intersection Level Of Service Report
Intersection 5: Corporate Center Pkwy/Sebastopol Rd
Delay (sec / veh): 35.6
Level Of Service: D
Volume to Capacity (v/c): 0.751

Intersection Setup

Name	Corporate Center Pkwy				Corporate Center Pkwy				Sebastopol Rd			
Approach	Northbound				Southbound				Eastbound			
Lane Configuration	T				T				T			
Turning Movement	Left	Thru	Right		Left	Thru	Right		Left	Thru	Right	
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	80.00	100.00	150.00	100.00
Speed [mph]	40.00				25.00				40.00			
Grade [%]	0.00				0.00				0.00			
Crosswalk	Yes				Yes				No			

Volumes

Name	Corporate Center Pkwy				Corporate Center Pkwy				Sebastopol Rd			
Base Volume Input [veh/h]	120	0	167	0	0	0	0	0	1	230	414	247
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	8	0	22	0	0	0	0	0	0	27	77	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	128	0	189	0	0	0	0	1	230	441	703	247
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	32	0	47	0	0	0	0	0	58	110	176	62
Total Analysis Volume [veh/h]	128	0	189	0	0	0	0	1	230	441	703	247
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0				0				0			
Bicycle Volume [bicyclsh]	0				0				1			

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	110
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Split	Permiss	Permiss
Signal Group	0	3	0	0	4	0	5	2	0
Auxiliary Signal Groups	-	-	-	-	-	-	-	-	-
Lead / Lag	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	5	0	0	6	0	7	0	0
Maximum Green [s]	0	40	0	0	50	0	30	0	30
Amber [s]	0.0	3.9	0.0	0.0	3.0	0.0	3.9	0.0	3.9
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0
Split [s]	0	35	0	0	10	0	12	35	0
Vehicle Extension [s]	0.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0
Walk [s]	0	7	0	0	0	0	7	0	0
Pedestrian Clearance [s]	0	23	0	0	0	0	23	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0
12, Clearance Lost Time [s]	0.0	2.9	0.0	0.0	2.0	0.0	2.9	0.0	2.9
Minimum Recall	No	No	No	No	No	No	No	Yes	No
Maximum Recall	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	C	C	L	C	C	C	L	C	L	C
C, Cycle Length [s]		86	86	86	86	86	86	86	86	86	86	86	86
L, Total Lost Time per Cycle [s]		4.90	4.90	4.00	4.00	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90
l1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]		2.90	2.90	2.00	2.00	2.00	2.90	2.90	2.90	0.00	2.90	0.00	2.90
g, I, Effective Green Time [s]		12	12	0	0	60	26	26	26	60	60	27	27
g / C, Green / Cycle		0.14	0.14	0.00	0.00	0.70	0.30	0.30	0.30	0.70	0.70	0.31	0.31
(v / s), Volume / Saturation Flow Rate		0.07	0.12	0.00	0.00	0.00	0.12	0.28	0.28	0.52	0.52	0.14	0.14
s, saturation flow rate [veh/h]		1774	1583	1863	1695	1503	1863	1963	1963	1365	1365	1858	1858
c, Capacity [veh/h]		255	228	0	0	943	568	477	777	777	777	581	581
d1, Uniform Delay [s]		34.03	35.86	0.00	0.00	8.10	23.74	28.99	20.94	20.94	23.51	23.51	23.51
k, delay calibration		0.04	0.04	0.04	0.04	0.04	0.11	0.26	0.50	0.50	0.04	0.04	0.04
l, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.57	2.98	0.00	0.00	0.00	0.47	16.32	15.98	15.98	0.19	0.19	0.19
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.14
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.50	0.83	0.00	0.00	0.00	0.40	0.93	0.90	0.90	0.43		
d, Delay for Lane Group [s/veh]		34.60	38.84	0.00	0.00	8.10	24.21	45.31	36.92	36.92	23.84		
Lane Group LOS		C	D	A	A	A	C	D	D	D	C		
Critical Lane Group		No	Yes	No	No	No	No	Yes	Yes	Yes	No		
50th-Percentile Queue Length [veh/m]		2.40	3.86	0.00	0.00	0.00	3.55	10.31	8.02	8.02	3.83		
50th-Percentile Queue Length [ft/m]		60.02	96.53	0.00	0.00	0.10	88.85	257.75	200.62	200.62	95.66		
95th-Percentile Queue Length [veh/m]		4.32	6.95	0.00	0.00	0.01	6.40	15.58	12.67	12.67	6.89		
95th-Percentile Queue Length [ft/m]		109.04	173.75	0.00	0.00	0.18	159.93	389.40	316.77	316.77	172.19		

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	34.60	38.84	38.84	0.00	0.00	0.00	8.10	24.21	45.31	36.92	23.84	23.84
Movement LOS	C	D	D	A	A	A	A	C	D	D	C	C
d_A, Approach Delay [s/veh]		37.13			0.00			38.03			33.48	
Approach LOS		D		A				D			C	
d_I, Intersection Delay [s/veh]						35.65						
Intersection LOS						D						
Intersection V/C						0.751						

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection 6: Sebastopol Rd/Stony Point Rd

Intersection 6: Sebastopol Rd/Stony Point Rd

Organization	Year	Level Of Service:	Level Of Service:
...	...	...	...

Organization	Year	Level Of Service:	Level Of Service:
...	...	...	...

(2.10) *Conclusions*

Lane Configuration	لار			لار			لار			لار		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Turning Movement	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
Lane Width [ft]	1	0	0	1	0	0	1	0	1	1	0	0
No. of Lanes in Pocket	170.00	100.00	100.00	200.00	100.00	100.00	300.00	100.00	50.00	105.00	100.00	100.00
Pocket Length [ft]												
Speed [mph]	35.00			35.00			40.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		

[illegible]

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signal Coordination Group	
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

C&A

[illegible]

Continued on next page

Pedestrian walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group															
C, Cycle Length [s]	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1, P, Permitted Start-Up Lost Time [s]	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	0.00
g, l, Effective Green Time [s]	8	25	25	12	30	65	19	29	29	6	15	55			
g / C, Green / Cycle	0.09	0.29	0.29	0.14	0.34	0.73	0.22	0.33	0.33	0.07	0.18	0.62			
(v / s), Volume / Saturation Flow Rate	0.06	0.26	0.26	0.11	0.22	0.49	0.15	0.11	0.06	0.05	0.12	0.15			
s, saturation flow rate [veh/h]	1412	1863	1802	1774	3547	1535	2741	1863	1575	1774	1863	1571			
c, Capacity [veh/h]	175	540	522	244	1201	1126	610	606	513	116	327	973			
d1, Uniform Delay [s]	40.71	29.93	29.98	36.68	24.67	6.15	33.70	22.47	21.39	40.48	34.12	7.53			
k, delay calibration	0.11	0.27	0.28	0.11	0.11	0.50	0.11	0.11	0.11	0.11	0.11	0.11			
l, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
d2, Incremental Delay [s]	1.85	11.82	12.66	5.30	0.59	3.18	1.26	0.32	0.18	9.70	2.69	0.13			
d3, Initial Queue Delay [s]	0.35	0.00	0.00	0.00	0.00	0.01	0.14	0.14	0.14	32.12	3.38	0.00			
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			

Lane Group Results

X, volume / capacity	0.46	0.89	0.89	0.78	0.67	0.67	0.67	0.33	0.20	0.76	0.70	0.25			
d, Delay for Lane Group [s/veh]	42.91	41.75	42.65	41.98	25.26	9.34	35.10	22.93	21.71	82.29	40.19	7.66			
Lane Group LOS	D	D	D	D	C	A	D	C	C	F	D	A			
Critical Lane Group	No	No	Yes	Yes	No	Yes	No	No	No	No	No	Yes			
50th-Percentile Queue Length [veh/m]	1.76	11.00	10.82	4.18	6.61	6.04	4.01	3.03	1.43	2.16	4.73	1.85			
50th-Percentile Queue Length [ft/m]	44.06	274.99	270.56	104.62	165.30	150.89	100.21	75.69	35.69	54.03	118.34	46.27			
95th-Percentile Queue Length [veh/m]	3.17	16.44	16.22	7.53	10.83	10.06	7.21	5.45	2.57	3.89	8.30	3.33			
95th-Percentile Queue Length [ft/m]	79.31	410.97	405.44	188.31	270.73	251.61	180.37	136.24	64.25	97.25	207.54	83.28			

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	42.91	42.15	42.65	41.98	25.26	9.34	35.10	22.93	21.71	82.29	40.19	7.66			
Movement LOS	D	D	D	D	C	A	D	C	C	F	D	A			
d, A, Approach Delay [s/veh]		42.25			20.13			29.74				32.81			
Approach LOS		D			C			C			C				
d, I, Intersection Delay [s/veh]						29.24									
Intersection LOS						C									
Intersection V/C						0.809									

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 8: Corporate Center Pkwy/Northpoint Pkwy

All-way stop
HCM 2010
15 minutes
Delay (sec / veh): 11.2
Level Of Service: B
Volume to Capacity (v/c): 0.487

Intersection Setup

Name	Corporate Center Pkwy			Corporate Center Pkwy			Northpoint Pkwy			Northpoint Pkwy
Approach	Northbound			Southbound			Eastbound			Westbound
Lane Configuration	+									
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	1	0	1	0	1	0
Pocket Length [ft]	100.00	100.00	100.00	120.00	100.00	100.00	125.00	100.00	100.00	100.00
Speed [mph]	40.00			40.00			40.00			40.00
Grade [%]	0.00			0.00			0.00			0.00
Crosswalk	Yes			Yes			Yes			Yes

Volumes

Name	Corporate Center Pkwy			Corporate Center Pkwy			Northpoint Pkwy			Northpoint Pkwy
Base Volume Input [veh/h]	1	6	4	158	27	55	102	56	3	27
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	7	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	1	6	4	165	27	55	102	56	3	27
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	2	1	41	7	14	26	14	1	7
Total Analysis Volume [veh/h]	1	6	4	165	27	55	102	56	3	27
Pedestrian Volume [ped/h]	0			0			0			0

Intersection Settings

Lanes

Capacity per Entry Lane [veh/h]	571	570	617	699	541	585	592	576	626	712
Degree of Utilization, x	0.02	0.29	0.04	0.08	0.19	0.05	0.05	0.05	0.06	0.49

Movement, Approach, & Intersection Results

95th-Percentile Queue Length [veh]	0.06	1.20	0.14	0.26	0.69	0.16	0.16	0.15	0.18	2.69
95th-Percentile Queue Length [ft]	1.47	29.91	3.43	6.38	17.21	3.97	3.93	3.68	4.56	67.21
Approach Delay [s/veh]	9.43		10.55			10.25			11.92	
Approach LOS	A		B		B				B	
Intersection Delay [s/veh]				11.15						
Intersection LOS				B						

Intersection Level Of Service Report
Intersection 9 : Northpoint Pkwy/Stony Point Rd

Control Type : Signalized
Analysis Method : HCM 2010
Analysis Period : 15 minutes
Delay (sec / veh): 9.7
Level Of Service: A
Volume to Capacity (v/c): 0.459

Intersection Setup

Name	Stony Point Rd			Stony Point Rd			Northpoint Pkwy			Northpoint Pkwy		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration	三三			三三			三三			三三		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	300.00	100.00	100.00	120.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00			40.00			40.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			Yes			No		

Volumes

Name	Stony Point Rd			Stony Point Rd			Northpoint Pkwy			Northpoint Pkwy		
Base Volume Input [veh/h]	377	776	0	0	786	111	56	0	182	0	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	26	0	0	0	0	0	0	0	7	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	403	776	0	0	786	111	56	0	189	0	0	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	101	194	0	0	197	28	14	0	47	0	0	0
Total Analysis Volume [veh/h]	403	776	0	0	786	111	56	0	189	0	0	0
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0			4			2			0		
Bicycle Volume [bicyclesh/h]	1			6			3			4		



Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	ProtPer	Permiss	ProtPer	Permiss	Split	Permiss	Split	Overlap	Split	Split
Signal Group	3	8	0	7	4	0	2	0	3	0
Auxiliary Signal Groups	Lead	-	-	Lead	-	-	Lead	-	-	-
Minimum Green [s]	5	5	0	5	7	0	5	0	5	0
Maximum Green [s]	15	15	0	15	20	0	40	0	15	0
Amber [s]	4.3	3.0	0.0	3.0	4.3	0.0	4.3	0.0	4.3	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	1.0	0.0
Split [s]	56	81	0	9	34	0	30	0	56	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0	3.0	0.0
Walk [s]	0	0	0	0	7	0	0	0	0	0
Pedestrian Clearance [s]	0	0	0	0	21	0	0	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	3.3	2.0	0.0	2.0	3.3	0.0	3.3	0.0	3.3	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0



Lane Group Calculations

Lane Group		L	C	C	L	C	C	L	R	C
C, Cycle Length [s]		43	43	43	43	43	43	43	43	43
L, Total Lost Time per Cycle [s]		4.65	4.00	4.00	5.30	5.30	5.30	5.30	5.30	5.30
I1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00
I2, Clearance Lost Time [s]		0.00	2.00	2.00	0.00	3.30	3.30	3.30	0.00	3.30
g, I, Effective Green Time [s]		28	24	24	28	13	13	6	19	6
g / C, Green / Cycle		0.65	0.55	0.55	0.62	0.32	0.32	0.14	0.44	0.14
(v / s), I Volume / Saturation Flow Rate		0.23	0.21	0.21	0.00	0.25	0.25	0.04	0.12	0.00
s, saturation flow rate [veh/h]		1771	1863	1863	1692	1774	1774	1401	1562	1863
c, Capacity [veh/h]		1147	1032	1032	1097	590	562	294	680	335
d1, Uniform Delay [s]		3.44	5.37	5.37	0.00	13.23	13.25	18.45	7.76	0.00
k, delay calibration		0.13	0.13	0.13	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.23	0.27	0.27	0.00	2.24	2.40	0.31	0.22	0.00
d3, Initial Queue Delay [s]		0.07	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.35	0.38	0.38	0.00	0.78	0.78	0.19	0.28	0.00
d, Delay for Lane Group [s/veh]		3.73	5.64	5.64	0.00	15.47	15.66	18.92	7.98	0.00
Lane Group LOS		A	A	A	A	B	B	B	A	A
Critical Lane Group		Yes	No	No	No	No	Yes	No	Yes	No
50th-Percentile Queue Length [veh/m]		0.52	1.04	1.04	0.00	3.27	3.16	0.46	0.76	0.00
50th-Percentile Queue Length [ft/m]		12.98	26.03	26.03	0.00	81.77	79.02	11.50	19.08	0.00
95th-Percentile Queue Length [veh/m]		0.93	1.87	1.87	0.00	5.89	5.69	0.83	1.37	0.00
95th-Percentile Queue Length [ft/m]		23.36	46.85	46.85	0.00	147.19	142.24	20.70	34.34	0.00

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]		3.73	5.64	5.64	0.00	15.55	15.66	18.92	0.00	7.98	0.00	0.00
Movement LOS		A	A	A	A	B	B	B	A	A	A	A
d, A, Approach Delay [s/veh]			4.99			15.56			10.48			0.00
Approach LOS			A			B			B			A
d, I, Intersection Delay [s/veh]						9.65						
Intersection LOS						A						
Intersection V/C						0.459						

Sequence

Ring 1	-	2	3	4	-	-	-	-	-	-	-	-
Ring 2	-	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 1: SR 12/Fulton Rd-Wright Rd

Delay (sec / veh): 51.3
Level Of Service: D
Volume to Capacity (v/c): 0.702

Control Type: Signalized
HCM 2010
Analysis Method: 15 minutes

Intersection Setup

Name	N Wright Rd				Fulton Rd				SR 12			
Approach	Northbound				Southbound				Eastbound			
Lane Configuration	TTLR				TTLR				TTLR			
Turning Movement	Left	Thru	Right		Left	Thru	Right		Left	Thru	Right	
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	17.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Pocket Length [ft]	200.00	100.00	140.00	180.00	100.00	150.00	160.00	100.00	280.00	110.00	100.00	300.00
Speed [mph]	35.00				45.00				55.00			
Grade [%]	0.00				0.00				0.00			
Crosswalk	No				No				No			

Volumes

Name	N Wright Rd				Fulton Rd				SR 12			
Base Volume Input [veh/h]	86	591	253	1,000	637	488	172	229	790	65	222	741
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	23	8	0	0	3	0	0	0	0	9	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	70	0	0	86	0	0	0	0	0	0
Total Hourly Volume [veh/h]	109	599	183	637	491	84	229	790	74	222	741	646
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	27	150	46	159	123	21	57	198	19	56	185	162
Total Analysis Volume [veh/h]	109	599	183	637	491	84	229	790	74	222	741	646
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	0	0	0	0	0	0	0	0
Bicycle Volume [bicycles/h]	2	0	0	0	3	0	0	0	0	0	0	0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	130
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	55.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Unsigna
Signal Group	3	8	3	7	4	0	5	2	0	1	6	0	0
Auxiliary Signal Groups	Lag	-	-	Lead	-	-	Lead	-	-	Lag	-	-	-
Minimum Green [s]	6	10	6	10	10	0	6	15	0	6	15	0	0
Maximum Green [s]	15	35	15	35	45	0	28	20	0	17	20	0	0
Amber [s]	3.0	3.9	3.0	3.0	4.3	0.0	3.0	5.8	0.0	3.0	5.8	0.0	0.0
All red [s]	0.5	0.5	0.5	0.5	0.5	0.0	1.0	1.5	0.0	0.5	1.5	0.0	0.0
Split [s]	15	25	15	33	43	0	26	45	0	27	46	0	0
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.5	0.0	3.0	5.0	0.0	3.0	5.0	0.0	0.0
Walk [s]	0	7	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Clearance [s]	0	30	0	0	0	0	0	0	0	0	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	0.0
12, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	0.0
Minimum Recall	No	No	No	No	No	No	No	Yes	No	No	Yes	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	R	L	C	R	L	C	L	C
C, Cycle Length [s]		130	130	130	130	130	130	130	130	130	130
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
I1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g, I, Effective Green Time [s]		13	24	24	28	37	37	19	46	18	45
g / C, Green / Cycle		0.10	0.18	0.18	0.20	0.29	0.29	0.14	0.36	0.14	0.35
(v / s), I Volume / Saturation Flow Rate		0.06	0.17	0.12	0.18	0.26	0.05	0.13	0.22	0.13	0.21
s, saturation flow rate [veh/h]		1774	3547	1560	3445	1863	1623	1774	3547	1774	3547
c, Capacity [veh/h]		171	651	286	688	535	466	255	1265	243	1241
d1, Uniform Delay [s]		56.59	52.15	49.10	51.08	44.86	34.84	54.72	34.61	55.36	34.73
k, delay calibration		0.11	0.11	0.11	0.11	0.30	0.13	0.15	0.50	0.22	0.50
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		3.95	5.93	2.37	5.96	15.81	0.22	14.55	2.33	21.78	2.13
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.64	0.92	0.64	0.93	0.92	0.18	0.90	0.62	0.91	0.60
d, Delay for Lane Group [s/veh]		60.54	58.08	51.47	57.10	60.67	35.06	69.27	36.94	77.13	36.86
Lane Group LOS		E	E	D	E	E	D	E	D	E	D
Critical Lane Group		No	Yes	No	Yes	No	No	No	Yes	Yes	No
50th-Percentile Queue Length [veh/m]		3.61	10.03	5.65	10.47	17.14	1.99	8.11	10.18	8.24	9.27
50th-Percentile Queue Length [ft/m]		90.36	250.87	141.33	261.78	428.49	49.84	202.63	254.46	206.09	231.78
95th-Percentile Queue Length [veh/m]		6.51	15.23	9.55	15.78	23.93	3.59	12.77	15.41	12.95	14.28
95th-Percentile Queue Length [ft/m]		162.66	380.75	238.81	394.45	598.23	89.72	319.36	385.26	323.81	356.62

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]		60.54	58.08	51.47	57.10	60.67	35.06	69.27	36.94	0.00	77.13	36.86	0.00
Movement LOS		E	E	D	E	E	D	E	D		E	D	
d_A, Approach Delay [s/veh]			57.03			57.02			44.21			46.14	
Approach LOS			E			E			D			D	
d_I, Intersection Delay [s/veh]							51.26						
Intersection LOS							D						
Intersection V/C							0.702						

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 2: Stony Point Rd/SR-12 West Ramps-Occidental Rd
Signalized
HCM 2010
Analysis Method:
Analysis Period:
15 minutes
Control Type :
Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):
46.7
D
0.579

Intersection Setup

Name	Stony Point Rd			Stony Point Rd			Occidental Rd			SR-12 WB Off-Ramp		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration	TTL			TTL			TTL			TTL		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	1	2	0	1
Pocket Length [ft]	150.00	100.00	100.00	110.00	100.00	100.00	100.00	100.00	100.00	450.00	100.00	275.00
Speed [mph]	35.00			35.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			Yes			Yes		

Volumes

Name	Stony Point Rd			Stony Point Rd			Occidental Rd			SR-12 WB Off-Ramp		
Base Volume Input [veh/h]	113	876	68	0	1413	128	67	0	219	604	238	587
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	8	0	0	3	0	0	0	0	32	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	4	0	0	56	0	0	278
Total Hourly Volume [veh/h]	113	884	68	0	1416	124	67	0	163	636	238	309
Peak Hour Factor	1.0000	1.0000	0.8540	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	28	221	20	0	354	31	17	0	41	159	60	77
Total Analysis Volume [veh/h]	113	884	80	0	1416	124	67	0	163	636	238	309
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	5	0	0	0	0	0	3	0
Bicycle Volume [bicycles/h]	11	0	0	0	11	0	0	0	0	0	1	0



Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Unsignal	Permiss	Permiss	Split	Permiss	Overlap	Split	Split
Signal Group	3	8	0	0	4	0	2	0	2	0
Auxiliary Signal Groups	Lead	-	-	-	-	Lead	-	-	-	-
Minimum Green [s]	5	5	0	0	5	0	5	0	5	0
Maximum Green [s]	30	30	0	0	30	0	30	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0
Split [s]	19	77	0	0	58	0	12	0	12	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0
Walk [s]	0	7	0	0	7	0	0	0	0	7
Pedestrian Clearance [s]	0	14	0	0	21	0	0	0	0	20
Rest In Walk	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0



Lane Group Calculations

Lane Group	L	C	C	C	L	R	L	C	R
C, Cycle Length [s]	120	120	120	120	120	120	120	120	120
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	0.00	2.00	2.00	2.00
g, I, Effective Green Time [s]	36	76	36	36	7	47	25	25	25
g / C, Green / Cycle	0.30	0.63	0.30	0.30	0.06	0.39	0.21	0.21	0.21
(v / s), Volume / Saturation Flow Rate	0.06	0.25	0.29	0.29	0.04	0.06	0.18	0.15	0.18
s, saturation flow rate [veh/h]	1774	3547	1766	1774	2803	3445	1812	1530	1530
c, Capacity [veh/h]	532	2246	1064	530	101	1094	722	380	321
d1, Uniform Delay [s]	31.43	10.75	41.42	41.49	55.50	23.70	46.01	44.18	45.68
k, delay calibration	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.16	0.24
l, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.91	0.52	20.31	32.14	7.20	0.06	3.70	3.79	13.08
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	9.87	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.21	0.39	0.96	0.97	0.66	0.15	0.88	0.72	0.85
d, Delay for Lane Group [s/veh]	32.34	11.27	61.73	73.63	72.57	23.76	49.71	47.97	58.75
Lane Group LOS	C	B	E	E	E	C	D	D	E
Critical Lane Group	Yes	No	No	Yes	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/m]	2.57	5.51	17.61	19.36	2.19	1.52	9.53	7.96	8.99
50th-Percentile Queue Length [ft/m]	64.37	137.83	440.27	484.10	54.82	38.00	238.23	199.10	224.63
95th-Percentile Queue Length [veh/m]	4.63	9.36	24.49	28.58	3.95	2.74	14.59	12.59	13.90
95th-Percentile Queue Length [ft/m]	115.86	234.10	612.32	664.52	98.67	68.39	364.79	314.80	347.53

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	32.34	11.27	0.00	0.00	65.00	73.63	72.57	0.00	23.76	49.71	47.97	57.52
Movement LOS	C	B			E	E	E		C	D	D	E
d, A, Approach Delay [s/veh]		13.66			65.70			37.98			51.40	
Approach LOS		B			E			D			D	
d, I, Intersection Delay [s/veh]							46.67					
Intersection LOS							D					
Intersection V/C							0.579					

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	-	-	-	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 3: Stony Point Rd/SR 12 East Ramps

Control Type: Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes
Delay (sec / veh): 17.8
Level Of Service: B
Volume to Capacity (v/c): 0.669

Intersection Setup

Name	Stony Point Rd	Stony Point Rd	Stony Point Rd	SR 12 EB Off-Ramp	SR 12 EB On-Ramp
Approach	Northbound	Southbound	Eastbound	Westbound	
Lane Configuration	11R		11R		
Turning Movement	Left	Thru	Right	Left	Thru
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00
Speed [mph]	35.00	35.00	30.00	30.00	30.00
Grade [%]	0.00	0.00	0.00	0.00	0.00
Crosswalk	Yes	No	Yes	Yes	Yes

Volumes

Name	Stony Point Rd	Stony Point Rd	Stony Point Rd	SR 12 EB Off-Ramp	SR 12 EB On-Ramp
Base Volume Input [veh/h]	0	1074	785	542	1675
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0
Site-Generated Trips [veh/h]	0	8	81	0	35
Diverted Trips [veh/h]	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	73
Total Hourly Volume [veh/h]	0	1082	866	542	1610
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	271	217	136	403
Total Analysis Volume [veh/h]	0	1082	866	542	1610
Presence of On-Street Parking	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0
Pedestrian Volume [ped/h]	4	0	0	3	0
Bicycle Volume [bicycles/h]	13	0	8	0	0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	100
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Unsigna	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	7	4	0	2	0
Auxiliary Signal Groups	-	-	-	-	-	-	-	-
Lead / Lag	-	-	-	-	-	-	-	-
Minimum Green [s]	0	15	0	5	5	0	5	0
Maximum Green [s]	0	45	0	20	20	0	20	0
Amber [s]	0.0	3.0	0.0	4.1	4.1	0.0	3.9	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0
Split [s]	0	25	0	49	50	0	50	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0
Walk [s]	0	7	0	7	7	0	8	0
Pedestrian Clearance [s]	0	8	0	14	14	0	19	0
Rest In Walk	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	0.0	2.0	0.0	3.1	3.1	0.0	2.9	0.0
Minimum Recall	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		C	L	C	L	R
C, Cycle Length [s]	64		64	64	64	64
L, Total Lost Time per Cycle [s]	4.00	5.10	4.90	4.90	4.90	
I1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	
I2, Clearance Lost Time [s]	2.00	3.10	2.90	2.90	2.90	
g, I, Effective Green Time [s]	23	20	47	6	6	
g / C, Green / Cycle	0.37	0.31	0.74	0.10	0.10	
(v / s), I Volume / Saturation Flow Rate	0.31	0.31	0.45	0.02	0.06	
s, saturation flow rate [veh/h]	3547	1774	3547	3445	1564	
c, Capacity [veh/h]	1306	554	2636	347	158	
d1, Uniform Delay [s]	18.39	21.80	3.87	28.43	27.51	
k, delay calibration	0.11	0.38	0.21	0.11	0.11	
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]	1.41	28.39	0.45	0.28	3.40	
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	
PF, progression factor	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity	0.83	0.98	0.61	0.20	0.58
d, Delay for Lane Group [s/veh]	19.80	50.19	4.32	28.71	30.91
Lane Group LOS	B	D	A	C	C
Critical Lane Group	Yes	Yes	No	No	Yes
50th-Percentile Queue Length [veh/m]	6.57	11.46	2.29	0.48	1.43
50th-Percentile Queue Length [ft/m]	164.29	286.41	57.37	12.03	35.69
95th-Percentile Queue Length [veh/m]	10.78	17.01	4.13	0.87	2.57
95th-Percentile Queue Length [ft/m]	269.39	425.18	103.27	21.65	64.25

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	0.00	19.80	0.00	50.19	4.32	0.00	28.71	0.00	30.91	0.00	0.00	0.00
Movement LOS		B		D	A		C		C			
d, A, Approach Delay [s/veh]		19.80			15.87				29.09		0.00	
Approach LOS		B			B				C		A	
d, I, Intersection Delay [s/veh]						17.75						
Intersection LOS						B						
Intersection V/C						0.669						

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-	-
Ring 2	-	-	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Control Type :
Signalized
HCM 2010
Analysis Method:
Analysis Period:
15 minutes

Intersection Level Of Service Report

Intersection 4: Sebastopol Rd/North Wright Rd-South Wright Rd

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

43.8
D
0.500

Intersection Setup

Name	S Wright Rd			N Wright Rd			Sebastopol Rd		
Approach	Northbound			Southbound			Eastbound		
Lane Configuration	T			T			+		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	20.00	20.00	10.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	1	0
Pocket Length [ft]	40.00	100.00	100.00	150.00	100.00	100.00	100.00	200.00	100.00
Speed [mph]	35.00			35.00			25.00		
Grade [%]	0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes		

Volumes

Name	S Wright Rd			N Wright Rd			Sebastopol Rd		
Base Volume Input [veh/h]	2	326	99	420	404	9	18	7	3
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	12	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	28	0	0	0	0	0	0
Total Hourly Volume [veh/h]	2	326	71	432	404	9	18	7	3
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	82	18	108	101	2	5	2	1
Total Analysis Volume [veh/h]	2	326	71	432	404	9	18	7	3
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	0	0	0	0	1
Bicycle Volume [bicycles/h]	6	0	0	0	0	0	2	0	8

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Split	Split	Split	Split	Overlap
Signal Group	3	8	0	7	4	0	0	5	0	0	0	0	0	6	6
Auxiliary Signal Groups	Lag	-	-	Lag	-	-	-	-	-	-	-	-	-	-	36.7
Lead / Lag	4	4	0	4	4	0	0	25	0	0	0	0	0	5	5
Minimum Green [s]	15	30	0	20	30	0	0	25	0	0	0	0	0	25	25
Maximum Green [s]	3.1	3.3	0.0	3.1	4.2	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	3.9	3.9
Amber [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All red [s]	16	28	0	8	20	0	0	27	0	0	0	0	0	27	27
Split [s]	2.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
Vehicle Extension [s]	0	7	0	0	7	0	0	7	0	0	0	0	0	7	7
Walk [s]	0	16	0	0	7	0	0	16	0	0	0	0	0	16	16
Pedestrian Clearance [s]	Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
12, Clearance Lost Time [s]	1.1	1.3	0.0	1.1	2.2	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	1.9	1.9
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	L	C	C	C	C	R
C, Cycle Length [s]		79	79	79	79	79	79	79	79
L, Total Lost Time per Cycle [s]		3.10	3.30	3.10	4.20	3.10	3.90	3.10	
l1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]		1.10	1.30	1.10	2.20	1.10	1.90	1.10	
g, I, Effective Green Time [s]		27	19	20	11	2	25	78	
g / C, Green / Cycle		0.34	0.24	0.25	0.14	0.03	0.31	0.98	
(v / s), Volume / Saturation Flow Rate		0.00	0.21	0.24	0.11	0.02	0.06	0.27	
s, saturation flow rate [veh/h]		1774	1871	1774	1863	1848	1772	1781	1561
c, Capacity [veh/h]		588	444	444	259	56	556	1526	
d1, Uniform Delay [s]		17.51	29.39	29.57	33.20	37.96	19.96	47.48	
k, delay calibration		0.04	0.08	0.43	0.04	0.04	0.04	0.50	
l, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]		0.00	4.77	33.07	2.16	2.58	0.06	0.44	
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity		0.00	0.89	0.97	0.80	0.80	0.50	0.18	0.27
d, Delay for Lane Group [s/veh]		17.51	34.16	62.64	35.35	35.37	40.54	20.02	47.92
Lane Group LOS		B	C	E	D	D	D	C	D
Critical Lane Group		No	No	No	No	Yes	Yes	No	Yes
50th-Percentile Queue Length [veh/m]		0.02	7.51	11.74	3.86	3.84	0.57	1.28	9.21
50th-Percentile Queue Length [ft/m]		0.58	187.65	293.46	96.59	95.89	14.33	31.89	230.30
95th-Percentile Queue Length [veh/m]		0.04	12.00	17.36	6.95	6.90	1.03	2.30	14.19
95th-Percentile Queue Length [ft/m]		1.04	299.98	433.93	173.86	172.61	25.79	57.41	354.74

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	17.51	34.16	34.16	62.64	35.36	35.37	40.54	40.54	40.54	20.02	47.92
Movement LOS	B	C	C	E	D	D	D	D	D	C	D
d_A, Approach Delay [s/veh]		34.08			49.31		40.54			42.48	
Approach LOS		C			D		D			D	
d_I, Intersection Delay [s/veh]						43.80					
Intersection LOS						D					
Intersection V/C						0.500					

Sequence

Ring 1	-	-	3	4	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-



Control Type : Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes

Intersection Level Of Service Report
Intersection 5: Corporate Center Pkwy/Sebastopol Rd
Delay (sec / veh): 21.5
Level Of Service: C
Volume to Capacity (v/c): 0.595

Intersection Setup

Name	Corporate Center Pkwy				Corporate Center Pkwy				Sebastopol Rd			
Approach	Northbound				Southbound				Eastbound			
Lane Configuration	T				T				T			
Turning Movement	Left	Thru	Right		Left	Thru	Right		Left	Thru	Right	
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	10.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	1	0	0	1	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	80.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00				25.00				40.00			
Grade [%]	0.00				0.00				0.00			
Crosswalk	Yes				Yes				No			

Volumes

Name	Corporate Center Pkwy				Corporate Center Pkwy				Sebastopol Rd			
Base Volume Input [veh/h]	441	1	506	2	1	4	0	287	165	221	304	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	31	0	89	0	0	0	0	0	12	35	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	472	1	595	2	1	4	0	287	177	256	304	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	118	0	149	1	0	1	0	72	44	64	76	0
Total Analysis Volume [veh/h]	472	1	595	2	1	4	0	287	177	256	304	0
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0				0				0			
Bicycle Volume [bicyclsh]	0				3				3			

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Split	Permiss	Permiss
Signal Group	0	3	0	0	4	0	5	2	0
Auxiliary Signal Groups	-	-	-	-	-	-	-	-	-
Lead / Lag	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	5	0	0	6	0	7	0	6
Maximum Green [s]	0	40	0	0	50	0	30	0	30
Amber [s]	0.0	3.9	0.0	0.0	3.0	0.0	3.9	0.0	3.9
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0
Split [s]	0	35	0	0	19	0	12	36	0
Vehicle Extension [s]	0.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0
Walk [s]	0	7	0	0	0	0	7	0	7
Pedestrian Clearance [s]	0	23	0	0	0	0	23	0	21
Rest In Walk	No	No	No	No	No	No	No	No	No
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0
I2, Clearance Lost Time [s]	0.0	2.9	0.0	0.0	2.0	0.0	2.9	0.0	2.9
Minimum Recall	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group													
C, Cycle Length [s]	61	61	61	61	61	61	61	61	61	61	61	61	61
L, Total Lost Time per Cycle [s]	4.90	4.90	4.00	4.00	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90
l1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.90	2.90	2.00	2.00	2.00	2.00	2.90	2.90	0.00	2.90	0.00	2.90	2.90
g, I, Effective Green Time [s]	25	25	1	1	22	11	11	11	22	22	12	12	12
g / C, Green / Cycle	0.41	0.41	0.01	0.01	0.35	0.18	0.18	0.18	0.35	0.35	0.20	0.20	0.20
(v / s), Volume / Saturation Flow Rate	0.27	0.38	0.00	0.00	0.00	0.13	0.14	0.14	0.18	0.18	0.16	0.16	0.16
s, saturation flow rate [veh/h]	1774	1584	1803	1268	1446	1863	1610	1428	1428	1863	1863	1863	1863
c, Capacity [veh/h]	729	651	20	14	394	329	284	431	368	368	368	368	368
d1, Uniform Delay [s]	14.50	17.07	30.06	30.11	0.00	23.94	24.12	19.77	23.63	23.63	23.63	23.63	23.63
k, delay calibration	0.04	0.08	0.04	0.04	0.04	0.11	0.04	0.04	0.04	0.04	0.04	0.04	0.04
l, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.36	4.08	1.27	4.02	0.00	3.28	1.73	0.49	1.83	1.83	1.83	1.83	1.83
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.65	0.92	0.15	0.28	0.00	0.74	0.78	0.59	0.83	0.83	0.83	0.83	0.83
d, Delay for Lane Group [s/veh]	14.87	21.15	31.33	34.13	0.00	27.22	25.85	20.26	25.46	25.46	25.46	25.46	25.46
Lane Group LOS	B	C	C	C	A	C	C	C	C	C	C	C	C
Critical Lane Group	No	Yes	No	Yes	No	No	Yes	Yes	No	Yes	No	No	No
50th-Percentile Queue Length [veh/m]	4.38	7.13	0.05	0.07	0.00	3.29	2.87	2.35	3.94	3.94	3.94	3.94	3.94
50th-Percentile Queue Length [ft/m]	109.42	176.33	1.24	1.81	0.00	82.23	71.70	58.85	98.47	98.47	98.47	98.47	98.47
95th-Percentile Queue Length [veh/m]	7.81	11.51	0.09	0.13	0.00	5.92	5.16	4.24	7.09	7.09	7.09	7.09	7.09
95th-Percentile Queue Length [ft/m]	195.20	287.84	2.23	3.27	0.00	148.01	129.05	105.93	177.24	177.24	177.24	177.24	177.24

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	14.87	21.15	21.15	31.33	31.33	31.33	34.13	0.00	27.01	25.85	20.26	25.46	25.46
Movement LOS	B	C	C	C	C	C	C	A	C	C	C	C	C
d, A, Approach Delay [s/veh]		18.37		32.93		26.57						23.08	
Approach LOS		B		C		C						C	
d, I, Intersection Delay [s/veh]						21.49							
Intersection LOS						C							
Intersection V/C						0.595							

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 6: Sebastopol RdStony Point Rd

Control Type : Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes
Delay (sec / veh): 35.6
Level Of Service: D
Volume to Capacity (v/c): 0.737

Intersection Setup

Name	Stony Point Rd			Stony Point Rd			Sebastopol Rd		
Approach	Northbound			Southbound			Eastbound		
Lane Configuration	🚗🚗🚗			🚗🚗🚗			🚗🚗🚗		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	0	1	0	1	1	0
Pocket Length [ft]	170.00	100.00	100.00	200.00	100.00	100.00	300.00	100.00	100.00
Speed [mph]	35.00			35.00			40.00		
Grade [%]	0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes		

Volumes

Name	Stony Point Rd			Stony Point Rd			Sebastopol Rd		
Base Volume Input [veh/h]	96	736	97	253	943	414	507	276	88
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	35	89	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	96	736	97	253	943	449	596	276	88
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	24	184	24	63	236	112	149	69	22
Total Analysis Volume [veh/h]	96	736	97	253	943	449	596	276	88
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	12			16			19		
Bicycle Volume [bicycles/h]	2			4			6		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	100
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Overlap	Protecte	Permiss	Protecte	Overlap	Permiss	Protecte	Permiss	Overlap
Signal Group	3	8	0	7	4	5	5	2	0	1	6	7		
Auxiliary Signal Groups	Lead	-	-	Lead	-	-	Lag	-	-	Lead	-	-		
Lead / Lag	6	6	0	6	6	6	6	6	0	6	6	6		
Minimum Green [s]	30	30	0	30	30	30	30	30	0	30	30	30		
Maximum Green [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0		
Amber [s]	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0		
All red [s]	10	31	0	13	34	20	20	32	0	24	36	13		
Split [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0		
Vehicle Extension [s]	0	5	0	0	6	0	0	6	0	0	6	0		
Walk [s]	0	20	0	0	22	0	0	22	0	0	19	0		
Pedestrian Clearance [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0		
Rest In Walk	No	No		No	No	No	No	No		No	No	No		
11, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0		
12, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0		
Minimum Recall	No	No		No	No	No	No	No		No	No	No		
Maximum Recall	No	No		No	No	No	No	No		No	No	No		
Pedestrian Recall	No	No		No	No	No	No	No		No	No	No		
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	C	L	C	R	L	C	R	L	C	R
C, Cycle Length [s]		100	100	100	100	100	100	100	100	100	100	100	100
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
I1, P, Permitted Start-Up Lost Time [s]		2.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	0.00	2.00	2.00	2.00	2.00	2.00	0.00
g, I, Effective Green Time [s]		10	26	26	17	33	75	24	30	30	10	17	66
g / C, Green / Cycle		0.10	0.26	0.26	0.17	0.33	0.75	0.24	0.30	0.30	0.10	0.17	0.66
(v / s), Volume / Saturation Flow Rate		0.07	0.23	0.23	0.14	0.27	0.29	0.17	0.15	0.06	0.08	0.12	0.21
s, saturation flow rate [veh/h]		1412	1863	1756	1774	3547	1529	3445	1863	1541	1774	1863	1551
c, Capacity [veh/h]		183	471	444	300	1143	1162	896	602	498	174	301	1026
d1, Uniform Delay [s]		46.39	36.93	37.13	41.13	31.94	4.16	33.81	27.44	24.79	45.17	40.58	7.44
k, delay calibration		0.11	0.29	0.30	0.11	0.11	0.45	0.11	0.11	0.11	0.11	0.11	0.25
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		2.31	15.10	18.24	6.44	1.57	0.88	0.86	0.54	0.17	9.22	3.15	0.42
d3, Initial Queue Delay [s]		0.00	0.00	0.00	11.55	0.00	0.00	2.64	0.55	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

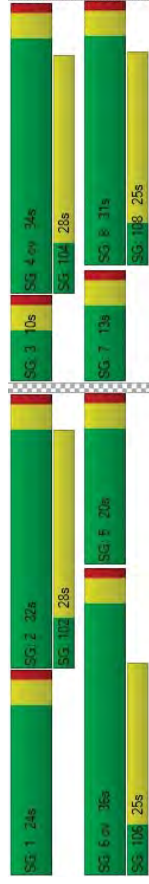
X, volume / capacity		0.52	0.90	0.92	0.84	0.82	0.39	0.67	0.46	0.18	0.82	0.71	0.32
d, Delay for Lane Group [s/veh]		48.70	52.04	55.37	59.12	33.50	5.04	37.31	28.53	24.96	54.39	43.73	7.86
Lane Group LOS		D	D	E	E	C	A	D	C	C	D	D	A
Critical Lane Group		No	No	Yes	Yes	No	Yes	No	No	No	No	No	Yes
50th-Percentile Queue Length [veh/m]		2.41	11.52	11.46	6.36	10.10	2.85	6.88	5.27	1.51	3.86	5.17	2.90
50th-Percentile Queue Length [ft/m]		60.29	287.69	286.38	158.92	252.40	66.21	171.89	131.64	37.84	96.60	129.16	72.38
95th-Percentile Queue Length [veh/m]		4.34	17.08	17.01	10.49	15.31	4.77	11.18	9.03	2.72	6.96	8.89	5.21
95th-Percentile Queue Length [ft/m]		108.52	427.03	425.14	262.30	392.68	119.17	279.40	225.72	68.11	173.88	222.35	130.28

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	48.70	53.45	55.37	59.12	33.50	5.04	37.31	28.53	24.96	54.39	43.73	7.86
Movement LOS	D	D	E	E	C	A	D	C	C	D	D	A
d_A, Approach Delay [s/veh]	33.65											
Approach LOS	C											
d_I, Intersection Delay [s/veh]	35.58											
Intersection LOS	D											
Intersection V/C	0.737											

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 7: Challenger Way/Corporate Center Pkwy

Control Type: Two-way stop
Analysis Method: HCM 6th Edition
Analysis Period: 15 minutes
Delay (sec / veh): 33.3
Level Of Service: D
Volume to Capacity (v/c): 0.265

Intersection Setup

Name	Corporate Center Pkwy				Corporate Center Pkwy				Challenger Way			
Approach	Northbound				Southbound				Eastbound			
Lane Configuration	T T T				T T T				T T T			
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00				40.00				25.00			
Grade [%]	0.00				0.00				0.00			
Crosswalk	No				No				No			

Volumes

Name	Corporate Center Pkwy				Corporate Center Pkwy				Challenger Way			
Base Volume Input [veh/h]	6	748	8	2	291	5	5	0	11	18	0	11
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	12	47	0	0	0	0	0	30	0	120
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	6	748	20	49	291	5	5	0	11	48	0	131
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	2	187	5	12	73	1	1	0	3	12	0	33
Total Analysis Volume [veh/h]	6	748	20	49	291	5	5	0	11	48	0	131
Pedestrian Volume [ped/h]	0				0				0			

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane			No	No
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.01	0.00	0.06	0.00	0.00	0.02	0.00	0.01	0.26	0.00	0.21
d_M, Delay for Movement [s/veh]	7.87	0.00	0.00	9.54	0.00	0.00	22.07	25.40	9.43	33.34	33.38	19.35
Movement LOS	A	A	A	A	A	A	C	D	A	D	D	C
95th-Percentile Queue Length [veh/ln]	0.01	0.00	0.00	0.19	0.00	0.00	0.11	0.11	0.11	2.49	2.49	2.49
95th-Percentile Queue Length [ft/ln]	0.36	0.00	0.00	4.63	0.00	0.00	2.79	2.79	2.79	62.30	62.30	62.30
d_A, Approach Delay [s/veh]		0.06			1.36							23.10
Approach LOS		A			A			B		C		
d_I, Intersection Delay [s/veh]							3.70					
Intersection LOS							D					

Control Type :
Analysis Method:
Analysis Period:

All-way stop
HCM 2010
15 minutes

Intersection Level Of Service Report

Intersection 8: Corporate Center Pkwy/Northpoint Pkwy

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

12.8
B
0.587

Intersection Setup

Name	Corporate Center Pkwy			Corporate Center Pkwy			Northpoint Pkwy			Northpoint Pkwy
Approach	Northbound			Southbound			Eastbound			Westbound
Lane Configuration	+									
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	1	0	1	0	1	0
Pocket Length [ft]	100.00	100.00	100.00	120.00	100.00	100.00	125.00	100.00	100.00	100.00
Speed [mph]	40.00			40.00			40.00			40.00
Grade [%]	0.00			0.00			0.00			0.00
Crosswalk	Yes			Yes			Yes			Yes

Volumes

Name	Corporate Center Pkwy			Corporate Center Pkwy			Northpoint Pkwy			Northpoint Pkwy
Base Volume Input [veh/h]	0	22	5	324	5	105	56	37	0	1
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	30	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	22	5	354	5	105	56	37	0	1
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	6	1	89	1	26	14	9	0	0
Total Analysis Volume [veh/h]	0	22	5	354	5	105	56	37	0	1
Pedestrian Volume [ped/h]	0			0			0			0



Intersection Settings

Lanes

Capacity per Entry Lane [veh/h]	557	603	657	753	504	543	529	571	643
Degree of Utilization, x	0.05	0.59	0.01	0.14	0.11	0.03	0.03	0.10	0.29

Movement, Approach, & Intersection Results

95th-Percentile Queue Length [veh]	0.15	3.80	0.02	0.48	0.37	0.11	0.11	0.01	0.34
95th-Percentile Queue Length [ft]	3.81	95.10	0.57	12.09	9.30	2.64	2.64	0.14	8.43
Approach Delay [s/veh]	14.79								
Approach LOS	A	B							B
Intersection Delay [s/veh]	12.81								
Intersection LOS	B								



Intersection Level Of Service Report

Intersection Settings

Control Type :
Analysis Method :
Analysis Period :
Signalized
HCM 2010
15 minutes
Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):
16.7
B
0.459

Located in CBD

Signal Coordination Group

Cycle Length [s]

Coordination Type

Actuation Type

Offset [s]

Offset Reference

Permissive Mode

Lost time [s]

Time of Day Pattern Coordinated

Fully actuated

Lead/Green

SingleBand

0.00

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Intersection Level Of Service Report

Intersection Settings

Control Type :
Analysis Method :
Analysis Period :
Signalized
HCM 2010
15 minutes
Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):
16.7
B
0.459

Located in CBD

Signal Coordination Group

Cycle Length [s]

Coordination Type

Actuation Type

Offset [s]

Offset Reference

Permissive Mode

Lost time [s]

Time of Day Pattern Coordinated

Fully actuated

Lead/Green

SingleBand

0.00

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Intersection Level Of Service Report

Intersection Settings

Control Type :
Analysis Method :
Analysis Period :
Signalized
HCM 2010
15 minutes
Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):
16.7
B
0.459

Located in CBD

Signal Coordination Group

Cycle Length [s]

Coordination Type

Actuation Type

Offset [s]

Offset Reference

Permissive Mode

Lost time [s]

Time of Day Pattern Coordinated

Fully actuated

Lead/Green

SingleBand

0.00

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Intersection Level Of Service Report

Intersection Settings

Control Type :
Analysis Method :
Analysis Period :
Signalized
HCM 2010
15 minutes
Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):
16.7
B
0.459

Located in CBD

Signal Coordination Group

Cycle Length [s]

Coordination Type

Actuation Type

Offset [s]

Offset Reference

Permissive Mode

Lost time [s]

Time of Day Pattern Coordinated

Fully actuated

Lead/Green

SingleBand

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Intersection Level Of Service Report

Intersection Settings

Control Type :
Analysis Method :
Analysis Period :
Signalized
HCM 2010
15 minutes
Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):
16.7
B
0.459

Located in CBD

Signal Coordination Group

Cycle Length [s]

Coordination Type

Actuation Type

Offset [s]

Offset Reference

Permissive Mode

Lost time [s]

Time of Day Pattern Coordinated

Fully actuated

Lead/Green

SingleBand

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Lane Group Calculations

Lane Group		L	C	C	L	C	C	L	R	C
C, Cycle Length [s]		60	60	60	60	60	60	60	60	60
L, Total Lost Time per Cycle [s]		4.65	4.00	4.00	5.30	5.30	5.30	5.30	5.30	5.30
l1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00
l2, Clearance Lost Time [s]		0.00	2.00	2.00	0.00	3.30	3.30	3.30	0.00	3.30
g, l, Effective Green Time [s]		37	33	33	35	18	18	14	32	14
g / C, Green / Cycle		0.61	0.54	0.54	0.59	0.29	0.29	0.24	0.53	0.24
(v / s), Volume / Saturation Flow Rate		0.10	0.20	0.20	0.00	0.25	0.25	0.09	0.27	0.00
s, saturation flow rate [veh/h]		1770	1863	1863	771	1863	1831	1390	1583	1863
c, Capacity [veh/h]		1079	1012	1012	551	546	537	404	841	499
d1, Uniform Delay [s]		5.09	7.87	7.87	0.00	20.11	20.12	20.92	9.11	0.00
k, delay calibration		0.11	0.27	0.27	0.11	0.23	0.23	0.11	0.11	0.11
l, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.07	0.57	0.57	0.00	8.02	8.25	0.43	0.49	0.00
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.16	0.37	0.37	0.00	0.86	0.86	0.31	0.51	0.00
d, Delay for Lane Group [s/veh]		5.16	8.44	8.44	0.00	28.13	28.37	21.35	9.60	0.00
Lane Group LOS		A	A	A	A	C	C	C	A	A
Critical Lane Group		No	No	No	No	No	Yes	No	Yes	No
50th-Percentile Queue Length [veh/m]		0.63	2.17	2.17	0.00	6.52	6.45	1.40	2.79	0.00
50th-Percentile Queue Length [ft/m]		15.77	54.25	54.25	0.00	162.94	161.33	35.05	69.65	0.00
95th-Percentile Queue Length [veh/m]		1.14	3.91	3.91	0.00	10.70	10.62	2.52	5.01	0.00
95th-Percentile Queue Length [ft/m]		28.39	97.65	97.65	0.00	267.61	265.49	63.09	125.36	0.00

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]		5.16	8.44	8.44	0.00	28.24	28.37	21.35	0.00	9.60	0.00	0.00
Movement LOS		A	A	A	A	C	C	C	A	A	A	A
d, A, Approach Delay [s/veh]				7.82		28.25			12.22			0.00
Approach LOS			A			C			B		A	
d, I, Intersection Delay [s/veh]							16.73					
Intersection LOS							B					
Intersection V/C							0.459					

Sequence

Ring 1	-	2	3	4	-	-	-	-	-	-	-	-
Ring 2	-	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 1: SR 12/Fulton Rd-Wright Rd

Delay (sec / veh): 43.9
Level Of Service: D
Volume to Capacity (v/c): 0.509

Control Type: Signalized
HCM 2010
Analysis Method:
Analysis Period: 15 minutes

Intersection Setup

Name	N Wright Rd				Fulton Rd				SR 12			
Approach	Northbound				Southbound				Eastbound			
Lane Configuration	🚗🚗🚗				🚗🚗🚗				🚗🚗🚗			
Turning Movement	Left	Thru	Right		Left	Thru	Right		Left	Thru	Right	
Lane Width [ft]	12.00	12.00	12.00	14.00	12.00	12.00	14.00	16.00	12.00	10.00	12.00	17.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	1	1	0	1
Pocket Length [ft]	200.00	100.00	140.00	180.00	100.00	150.00	160.00	100.00	280.00	110.00	100.00	300.00
Speed [mph]	35.00				45.00				55.00			
Grade [%]	0.00				0.00				0.00			
Crosswalk	No				No				No			

Volumes

Name	N Wright Rd				Fulton Rd				SR 12			
Base Volume Input [veh/h]	63	257	223	563	314	167	188	690	60	123	571	452
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	54	14	0	0	10	0	0	6	30	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	101	0	0	80	0	0	0	0	0	0
Total Hourly Volume [veh/h]	117	271	122	563	324	87	188	696	90	123	571	452
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	29	68	31	141	81	22	47	174	23	31	143	113
Total Analysis Volume [veh/h]	117	271	122	563	324	87	188	696	90	123	571	452
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0				0				0			
Bicycle Volume [bicycles/h]	2				1				0			



Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	130
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	16.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss
Signal Group	3	8	3	7	4	0	5	2	0	1	6	0
Auxiliary Signal Groups	Lag	-	-	Lead	-	-	Lag	-	-	Lead	-	-
Minimum Green [s]	6	10	6	10	10	0	6	15	0	6	15	0
Maximum Green [s]	15	35	15	35	45	0	28	20	0	17	20	0
Amber [s]	3.0	3.9	3.0	3.0	4.3	0.0	3.0	5.8	0.0	3.0	5.8	0.0
All red [s]	0.5	0.5	0.5	0.5	0.5	0.0	1.0	1.5	0.0	0.5	1.5	0.0
Split [s]	11	23	11	44	55	0	23	47	0	17	40	0
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.5	0.0	3.0	5.0	0.0	3.0	5.0	0.0
Walk [s]	0	7	0	0	0	0	0	0	0	0	0	0
Pedestrian Clearance [s]	0	30	0	0	0	0	0	0	0	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
12, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
Minimum Recall	No	No	No	No	No	No	No	Yes	No	No	Yes	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0



Lane Group Calculations

Lane Group	L	C	R	L	C	R	L	C	L	C
C, Cycle Length [s]	130	130	130	130	130	130	130	130	130	130
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g, I, Effective Green Time [s]	11	13	13	24	26	26	16	67	10	61
g / C, Green / Cycle	0.09	0.10	0.10	0.18	0.20	0.20	0.12	0.51	0.08	0.47
(v / s), I Volume / Saturation Flow Rate	0.07	0.08	0.08	0.16	0.17	0.05	0.11	0.20	0.07	0.16
s, saturation flow rate [veh/h]	1774	3547	1557	3445	1863	1625	1774	3547	1774	3547
c, Capacity [veh/h]	152	361	159	633	373	325	214	1815	141	1669
d1, Uniform Delay [s]	58.22	56.78	56.90	51.79	50.36	43.95	56.22	19.29	59.16	21.71
k, delay calibration	0.11	0.11	0.11	0.11	0.13	0.13	0.11	0.50	0.11	0.50
l, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	8.06	3.14	7.60	4.54	7.43	0.53	10.88	0.62	14.69	0.56
d3, Initial Queue Delay [s]	0.41	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.77	0.75	0.77	0.89	0.87	0.27	0.88	0.38	0.87	0.34
d, Delay for Lane Group [s/veh]	66.69	59.92	64.50	56.42	57.79	44.48	67.10	19.90	73.86	22.27
Lane Group LOS	E	E	E	E	E	D	E	B	E	C
Critical Lane Group	No	No	Yes	Yes	No	No	Yes	No	No	Yes
50th-Percentile Queue Length [veh/m]	4.09	4.46	4.22	9.12	10.70	2.38	6.48	6.04	4.38	5.11
50th-Percentile Queue Length [ft/m]	102.20	111.53	105.45	228.03	267.58	59.39	162.01	151.08	109.46	127.64
95th-Percentile Queue Length [veh/m]	7.36	7.93	7.59	14.07	16.07	4.28	10.66	10.07	7.81	8.81
95th-Percentile Queue Length [ft/m]	183.96	198.13	189.65	351.86	401.72	106.90	266.38	251.87	195.25	220.29

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	66.69	59.92	64.50	56.42	57.79	44.48	67.10	19.90	0.00	73.86	22.27	0.00
Movement LOS	E	E	E	E	E	D	E	B	-	E	C	-
d, A, Approach Delay [s/veh]	62.57	-	-	-	56.81	-	29.94	-	-	-	31.41	-
Approach LOS	E	-	-	-	E	-	C	-	-	C	-	-
d, I, Intersection Delay [s/veh]	-	-	-	-	-	43.94	-	-	-	-	-	-
Intersection LOS	-	-	-	-	-	D	-	-	-	-	-	-
Intersection V/C	-	-	-	-	-	0.509	-	-	-	-	-	-

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 2: Stony Point Rd/SR 12 West Ramps-Occidental Rd
Signalized
HCM 2010
Analysis Method:
Analysis Period: 15 minutes
Delay (sec / veh): 34.9
Level Of Service: C
Volume to Capacity (v/c): 0.450

Intersection Setup

Name	Stony Point Rd	Stony Point Rd	Stony Point Rd	Occidental Rd	Westbound
Approach	Northbound	Southbound	Eastbound	Westbound	
Lane Configuration	Left Thru Right	Left Thru Right	Left Thru Right	Left Thru Right	Left Thru Right
Turning Movement	12.00 16.00 12.00	12.00 12.00 12.00	12.00 12.00 12.00	12.00 12.00 12.00	12.00 12.00 12.00
Lane Width [ft]	12.00 16.00 12.00	12.00 12.00 12.00	12.00 12.00 12.00	12.00 12.00 12.00	12.00 12.00 12.00
No. of Lanes in Pocket	1 0 0	1 0 0	1 0 0	1 2 0	1 2 0
Pocket Length [ft]	150.00 100.00 100.00	110.00 100.00 100.00	100.00 100.00 100.00	100.00 450.00 100.00	100.00 275.00 100.00
Speed [mph]	35.00	35.00	30.00	30.00	30.00
Grade [%]	0.00	0.00	0.00	0.00	0.00
Crosswalk	No	Yes	Yes	Yes	Yes

Volumes

Name	Stony Point Rd	Stony Point Rd	Stony Point Rd	Occidental Rd	SR 12 WB Off-Ramp
Base Volume Input [veh/h]	44	550	72	0	744
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0
Site-Generated Trips [veh/h]	0	68	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0
Total Hourly Volume [veh/h]	44	619	72	62	822
Peak Hour Factor	1.0000	0.8540	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	155	21	16	34
Total Analysis Volume [veh/h]	44	619	84	772	37
Presence of On-Street Parking	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	0
Bicycle Volume [bicyclesh]	5	5	5	0	0



Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Unsigna	Permiss	Permiss	Split	Permiss	Overlap	Split	Split
Signal Group	3	8	0	0	4	0	2	0	2	0
Auxiliary Signal Groups	Lead	-	-	-	-	Lead	-	-	-	-
Minimum Green [s]	5	5	0	0	5	0	5	0	5	0
Maximum Green [s]	30	30	0	0	30	0	30	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0
Split [s]	9	41	0	0	32	0	9	0	9	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0
Walk [s]	0	7	0	0	7	0	0	0	0	0
Pedestrian Clearance [s]	0	14	0	0	21	0	0	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0



Lane Group Calculations

Lane Group		L	C	C	C	L	R	L	C	R
C, Cycle Length [s]		120	120	120	120	120	120	120	120	120
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g, I, Effective Green Time [s]		32	69	32	32	7	43	33	33	33
g / C, Green / Cycle		0.27	0.57	0.27	0.27	0.06	0.36	0.27	0.27	0.27
(v / s), I Volume / Saturation Flow Rate		0.02	0.17	0.15	0.15	0.03	0.05	0.24	0.07	0.08
s, saturation flow rate [veh/h]		1774	3547	1811	1774	1774	2803	3445	1724	1569
c, Capacity [veh/h]		476	2023	952	486	99	1003	943	472	429
d1, Uniform Delay [s]		32.96	13.43	37.90	37.76	55.45	26.02	41.61	34.15	34.41
k, delay calibration		0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11	0.11
l, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.38	0.39	2.44	4.51	6.23	0.06	2.68	0.30	0.37
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

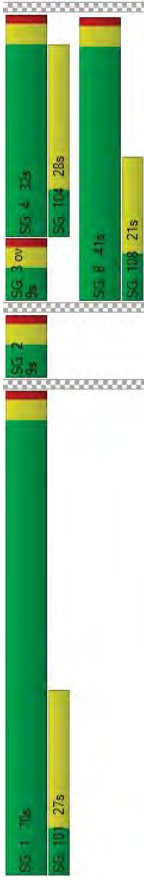
X, volume / capacity		0.09	0.31	0.57	0.55	0.62	0.13	0.87	0.26	0.29
d, Delay for Lane Group [s/veh]		33.34	13.83	40.34	42.27	61.69	26.08	44.29	34.44	34.78
Lane Group LOS		C	B	D	D	E	C	D	C	C
Critical Lane Group		Yes	No	Yes	No	Yes	No	Yes	No	No
50th-Percentile Queue Length [veh/m]		1.01	4.31	7.09	7.35	2.01	1.32	11.87	2.90	2.93
50th-Percentile Queue Length [ft/m]		25.26	107.66	177.19	183.72	50.27	33.08	296.78	72.57	73.26
95th-Percentile Queue Length [veh/m]		1.82	7.71	11.45	11.79	3.62	2.38	17.52	5.22	5.27
95th-Percentile Queue Length [ft/m]		45.48	192.75	286.34	294.87	90.49	59.55	438.05	130.62	131.86

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	33.34	13.83	0.00	0.00	40.92	42.27	61.69	0.00	26.08	44.29	34.44	34.68
Movement LOS	C	B			D	D	E		C	D	C	C
d, A, Approach Delay [s/veh]		15.12			40.98		37.28				42.04	
Approach LOS		B			D		D				D	
d, I, Intersection Delay [s/veh]							34.87					
Intersection LOS							C					
Intersection V/C							0.450					

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	-	-	-	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Control Type :
Analysis Method:
Analysis Period:

Signalized
HCM 2010
15 minutes

Intersection Level Of Service Report
Intersection 3: Stony Point Rd/SR 12 East Ramps

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

43.1
D
0.872

Intersection Settings	
Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing										
Control Type	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	7	4	0	2	0	0	0
Auxiliary Signal Groups										
Lead / Lag	-	-	-	Lag	-	-	Lead	-	-	-
Minimum Green [s]	0	15	0	5	5	0	5	0	0	0
Maximum Green [s]	0	45	0	20	20	0	20	0	0	0
Amber [s]	0.0	3.0	0.0	4.1	4.1	0.0	3.9	0.0	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0
Split [s]	0	49	0	39	88	0	32	0	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0	0.0	0.0
Walk [s]	0	7	0	7	7	0	8	0	0	0
Pedestrian Clearance [s]	0	8	0	14	14	0	19	0	0	0
Rest In Walk		No		No	No		No			
11, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0	0.0	0.0
12, Clearance Lost Time [s]	0.0	2.0	0.0	3.1	3.1	0.0	2.9	0.0	0.0	0.0
Minimum Recall		No		No	No		No			
Maximum Recall		No		No	No		No			
Pedestrian Recall		No		No	No		No			
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase	
Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Intersection Setup													
Name		Stony Point Rd Northbound			Stony Point Rd Southbound			SR 12 EB Off-Ramp Eastbound			SR 12 EB On-Ramp Westbound		
Approach													
Lane Configuration		三			三			三					
Turning Movement		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]		12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket		0	0	1	1	0	0	0	0	0	0	0	0
Pocket Length [ft]		100.00	100.00	170.00	390.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]		35.00			35.00			30.00			30.00		
Grade [%]		0.00			0.00			0.00			0.00		
Crosswalk		Yes			No			Yes			Yes		

Volumes									
Name		Stony Point Rd		Stony Point Rd		SR 12 EB Off-Ramp		SR 12 EB On-Ramp	
Base Volume Input [veh/h]	0	802	656	574	1571	0	75	0	86
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	69	146	0	137	0	0	6	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	871	802	574	1708	0	75	0	43
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	218	201	144	427	0	19	0	12
Total Analysis Volume [veh/h]	0	871	802	574	1708	0	75	0	48
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	2	0	0	0	0	0	0	0	0
Bicycle Volume [bicyclsh]	4	5	0	0	0	3	0	0	0

Lane Group Calculations

Lane Group		C	R	L	C	L	R
C, Cycle Length [s]		84	84	84	84	84	84
L, Total Lost Time per Cycle [s]		4.00	4.00	5.10	5.10	4.90	4.90
I1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	3.10	3.10	2.90	2.90
g, I, Effective Green Time [s]		45	45	20	69	5	5
g / C, Green / Cycle		0.53	0.53	0.24	0.82	0.06	0.06
(v / s), I Volume / Saturation Flow Rate		0.25	0.52	0.32	0.48	0.02	0.03
s, saturation flow rate [veh/h]		3547	1547	1774	3547	3445	1568
c, Capacity [veh/h]		1890	825	422	2901	217	99
d1, Uniform Delay [s]		12.17	19.06	32.08	2.69	37.76	38.10
k, delay calibration		0.11	0.44	0.50	0.40	0.11	0.11
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.18	23.60	177.43	0.71	0.94	3.65
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.46	0.97	1.36	0.59	0.35	0.49
d, Delay for Lane Group [s/veh]	12.34	42.66	209.52	3.40	38.70	41.75
Lane Group LOS	B	D	F	A	D	D
Critical Lane Group	No	Yes	Yes	No	No	Yes
50th-Percentile Queue Length [veh/m]	4.55	18.39	28.90	2.15	0.76	1.04
50th-Percentile Queue Length [ft/m]	113.71	459.82	722.58	53.85	18.93	26.03
95th-Percentile Queue Length [veh/m]	8.05	25.43	43.98	3.88	1.36	1.87
95th-Percentile Queue Length [ft/m]	201.15	635.65	1099.45	96.92	34.07	46.86

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	0.00	12.34	42.66	209.52	3.40	0.00	38.70	0.00	41.75	0.00	0.00	0.00
Movement LOS					A		D		D			
d, A, Approach Delay [s/veh]			26.88		55.25				39.89		0.00	
Approach LOS			C		E				D		A	
d, I, Intersection Delay [s/veh]							43.14					
Intersection LOS							D					
Intersection V/C							0.872					

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-	-
Ring 2	-	-	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Lane Group Calculations

Lane Group	L	C	L	C	C	C	C	R
C, Cycle Length [s]	51	51	51	51	51	51	51	51
L, Total Lost Time per Cycle [s]	3.10	3.30	3.10	4.20	4.20	3.10	3.30	3.10
l1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00
l2, Clearance Lost Time [s]	1.10	1.30	1.10	2.20	2.20	1.10	1.90	0.00
g, I, Effective Green Time [s]	20	15	13	7	7	2	7	49
g / C, Green / Cycle	0.39	0.29	0.26	0.14	0.14	0.04	0.14	0.96
(v / s), I Volume / Saturation Flow Rate	0.00	0.26	0.22	0.10	0.10	0.48	0.09	0.28
s, saturation flow rate [veh/h]	1774	1852	1774	1863	1835	56	1779	1583
c, Capacity [veh/h]	701	542	465	265	261	117	253	1522
d1, Uniform Delay [s]	9.38	17.18	17.82	20.93	20.93	25.55	20.65	19.55
k, delay calibration	0.04	0.04	0.07	0.04	0.04	0.45	0.04	0.39
l, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.00	1.80	2.63	1.33	1.36	4.07	0.96	0.37
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.01	0.87	0.84	0.71	0.71	0.23	0.63	0.29
d, Delay for Lane Group [s/veh]	9.38	18.98	20.46	22.26	22.29	29.62	21.62	19.92
Lane Group LOS	A	B	C	C	C	C	C	B
Critical Lane Group	No	Yes	No	No	No	Yes	Yes	Yes
50th-Percentile Queue Length [veh/m]	0.03	4.67	4.00	1.99	1.97	0.45	1.61	3.31
50th-Percentile Queue Length [ft/m]	0.69	116.84	99.99	49.82	49.16	11.20	40.17	82.87
95th-Percentile Queue Length [veh/m]	0.05	8.22	7.20	3.59	3.54	0.81	2.89	5.97
95th-Percentile Queue Length [ft/m]	1.25	205.47	179.98	89.68	88.48	20.17	72.30	149.16

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	9.38	18.98	18.98	20.46	22.27	22.29	29.62	29.62	21.62	21.62	19.92
Movement LOS	A	B	B	C	C	C	C	C	C	C	B
d, A, Approach Delay [s/veh]		18.88			21.35		29.62				20.37
Approach LOS		B			C		C			C	
d, I, Intersection Delay [s/veh]					20.52						
Intersection LOS					C						
Intersection V/C					1.136						

Sequence

Ring 1	-	-	3	4	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 5: Corporate Center Pkwy/Sebastopol Rd

Control Type : Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes
Delay (sec / veh): 36.3
Level Of Service: D
Volume to Capacity (v/c): 0.756

Intersection Setup

Name	Corporate Center Pkwy			Corporate Center Pkwy			Sebastopol Rd		
Approach	Northbound			Southbound			Eastbound		
Lane Configuration	T			T			T		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	1	0	1	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	80.00	100.00	100.00
Speed [mph]	40.00			25.00			40.00		
Grade [%]	0.00			0.00			0.00		
Crosswalk	Yes			Yes			No		

Volumes

Name	Corporate Center Pkwy			Corporate Center Pkwy			Sebastopol Rd		
Base Volume Input [veh/h]	120	0	167	0	0	0	1	230	414
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	23	0	22	0	0	0	0	61	34
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	143	0	189	0	0	0	1	291	448
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	36	0	47	0	0	0	0	73	112
Total Analysis Volume [veh/h]	143	0	189	0	0	0	1	291	448
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0			0			0		
Bicycle Volume [bicyclsh]	0			0			1		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	110
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Split	Permiss	Permiss
Signal Group	0	3	0	0	4	0	5	2	0
Auxiliary Signal Groups	-	-	-	-	-	-	-	-	-
Lead / Lag	0	5	0	0	6	0	7	0	6
Minimum Green [s]	0	40	0	0	50	0	30	0	30
Maximum Green [s]	0.0	3.9	0.0	0.0	3.0	0.0	3.9	0.0	3.9
Amber [s]	0.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0
All red [s]	0	35	0	0	10	0	12	35	0
Split [s]	0.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0
Vehicle Extension [s]	0	7	0	0	0	0	7	0	7
Walk [s]	0	23	0	0	0	0	23	0	21
Pedestrian Clearance [s]	No	No	0.0	0.0	No	No	No	No	No
Rest In Walk	0.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0
11, Start-Up Lost Time [s]	0.0	2.9	0.0	0.0	2.0	0.0	2.9	0.0	2.9
12, Clearance Lost Time [s]	No	No	No	No	No	No	No	No	No
Minimum Recall	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No
Pedestrian Recall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	C	C	L	C	C	L	C	L	C
C, Cycle Length [s]		88	88	88	88	88	88	88	88	88	88	88
L, Total Lost Time per Cycle [s]		4.90	4.90	4.00	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90
l1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	2.00	0.00	0.00	2.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]		2.90	2.90	2.00	2.00	0.00	2.90	2.90	0.00	2.90	0.00	2.90
g, I, Effective Green Time [s]		13	13	0	0	61	27	27	61	27	61	28
g / C, Green / Cycle		0.14	0.14	0.00	0.00	0.70	0.31	0.31	0.70	0.31	0.70	0.32
(v / s), Volume / Saturation Flow Rate		0.08	0.12	0.00	0.00	0.00	0.16	0.29	0.52	0.16	0.52	0.16
s, saturation flow rate [veh/h]		1774	1583	1863	1695	1481	1863	1963	1341	1863	1341	1858
c, Capacity [veh/h]		255	227	0	0	914	575	483	775	588	775	588
d1, Uniform Delay [s]		35.07	36.61	0.00	0.00	9.02	24.88	29.43	21.51	24.45	21.51	24.45
k, delay calibration		0.04	0.04	0.04	0.04	0.04	0.11	0.28	0.50	0.04	0.50	0.04
l, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.72	3.02	0.00	0.00	0.00	0.69	17.67	16.34	0.25	16.34	0.25
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.56	0.83	0.00	0.00	0.00	0.51	0.93	0.91	0.51	0.91	0.51
d, Delay for Lane Group [s/veh]		35.79	39.63	0.00	0.00	9.02	25.57	47.11	37.85	24.84	37.85	24.84
Lane Group LOS		D	D	A	A	A	C	D	D	C	D	C
Critical Lane Group		No	Yes	No	No	No	No	Yes	Yes	No	Yes	No
50th-Percentile Queue Length [veh/m]		2.78	3.95	0.00	0.00	0.00	4.77	10.85	8.17	4.77	10.85	8.17
50th-Percentile Queue Length [ft/m]		69.46	98.84	0.00	0.00	0.10	119.21	271.31	204.17	119.26	271.31	204.17
95th-Percentile Queue Length [veh/m]		5.00	7.12	0.00	0.00	0.01	8.35	16.25	12.85	8.35	16.25	12.85
95th-Percentile Queue Length [ft/m]		125.03	177.92	0.00	0.00	0.18	208.74	406.37	321.33	208.81	406.37	321.33

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	35.79	39.63	39.63	0.00	0.00	0.00	9.02	25.57	47.11	37.85	24.84	24.84
Movement LOS	D	D	D	A	A	A	C	D	D	C	C	C
d_A, Approach Delay [s/veh]	37.98	39.63	39.63	0.00	0.00	0.00	38.59	38.59	38.59	38.59	33.98	33.98
Approach LOS	D	D	D	A	A	A	D	D	D	C	C	C
d_I, Intersection Delay [s/veh]							36.26	36.26	36.26	36.26	36.26	36.26
Intersection LOS							D	D	D	D	D	D
Intersection V/C							0.756	0.756	0.756	0.756	0.756	0.756

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 6: Sebastopol RdStony Point Rd

Control Type :
Signalized
HCM 2010
Analysis Method:
Analysis Period:
15 minutes

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

36.6
D
0.885

Intersection Setup

Name	Stony Point Rd			Stony Point Rd			Sebastopol Rd			Sebastopol Rd
Approach	Northbound			Southbound			Eastbound			Westbound
Lane Configuration	3L			3L			3L			3L
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	0
Pocket Length [ft]	170.00	100.00	100.00	200.00	100.00	100.00	300.00	100.00	50.00	100.00
Speed [mph]	35.00			35.00			40.00			30.00
Grade [%]	0.00			0.00			0.00			0.00
Crosswalk	Yes			Yes			Yes			Yes

Volumes

Name	Stony Point Rd			Stony Point Rd			Sebastopol Rd			Sebastopol Rd
Base Volume Input [veh/h]	80	871	76	190	778	678	384	202	100	88
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	1	55	8	29	18	96	79	2	2	27
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	81	926	84	219	796	774	483	204	102	115
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	20	232	21	55	199	194	116	51	26	29
Total Analysis Volume [veh/h]	81	926	84	219	796	774	483	204	102	115
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	6			16			13			3
Bicycle Volume [bicyclsh]	1			4			0			0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Overlap	Protecte	Permiss	Protecte	Permiss	Overlap	Protecte	Permiss	Protecte	Permiss	Overlap	Protecte	Permiss	Overlap
Signal Group	3	8	0	7	4	5	5	2	0	1	6	7																		
Auxiliary Signal Groups	Lead	-	-	Lead	-	Lag	-	-	-	Lead	-	-																		
Lead / Lag	6	6	0	6	6	6	6	6	6	6	6	6																		
Minimum Green [s]	30	30	0	30	30	30	30	30	30	30	30	30																		
Maximum Green [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0																		
Amber [s]	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0																		
All red [s]	10	40	0	10	40	41	41	32	0	38	29	10																		
Split [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0																		
Vehicle Extension [s]	0	5	0	0	6	0	0	6	0	0	6	0																		
Walk [s]	0	20	0	0	22	0	0	22	0	0	19	0																		
Pedestrian Clearance [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0																		
Rest In Walk	No	No	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0																		
11, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0																		
12, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0																		
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No																		
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No																		
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No																		
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00																		

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	C	L	C	R	L	C	R	L	C	R
C, Cycle Length [s]		103	103	103	103	103	103	103	103	103	103	103	103
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
I1, P, Permitted Start-Up Lost Time [s]		2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	0.00
g, I, Effective Green Time [s]		9	30	30	16	37	77	23	33	33	8	18	65
g / C, Green / Cycle		0.09	0.29	0.29	0.15	0.35	0.74	0.22	0.32	0.32	0.08	0.18	0.63
(v / s), I Volume / Saturation Flow Rate		0.06	0.28	0.28	0.12	0.22	0.50	0.17	0.11	0.06	0.06	0.14	0.20
s, saturation flow rate [veh/h]		1412	1863	1799	1774	3547	1535	2741	1863	1574	1774	1863	1571
c, Capacity [veh/h]		166	541	523	269	1257	1141	628	598	505	145	334	993
d1, Uniform Delay [s]		47.54	35.80	35.88	42.36	27.71	6.87	39.35	25.71	25.44	46.47	40.24	8.78
k, delay calibration		0.11	0.41	0.41	0.11	0.11	0.50	0.11	0.11	0.11	0.11	0.11	0.23
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		2.22	24.14	25.77	5.96	0.53	3.26	1.71	0.34	0.19	9.19	3.63	0.40
d3, Initial Queue Delay [s]		0.35	0.00	0.00	0.00	0.00	0.01	0.14	0.14	0.14	32.12	3.38	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

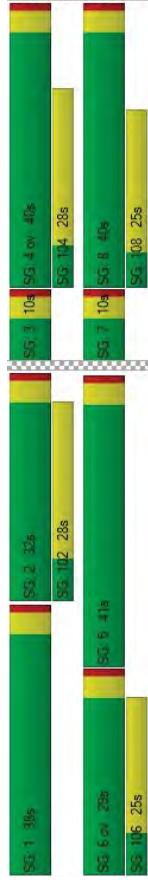
X, volume / capacity		0.49	0.95	0.95	0.82	0.63	0.68	0.74	0.34	0.20	0.79	0.76	0.32
d, Delay for Lane Group [s/veh]		50.11	59.94	61.65	48.32	28.24	10.14	41.20	27.19	25.77	87.79	47.25	9.19
Lane Group LOS		D	E	E	D	C	B	D	C	C	F	D	A
Critical Lane Group		No	No	Yes	Yes	No	Yes	No	No	No	No	No	Yes
50th-Percentile Queue Length [veh/m]		2.13	15.81	15.61	5.75	8.00	7.67	5.68	3.75	1.79	3.25	6.44	3.20
50th-Percentile Queue Length [ft/m]		53.31	395.31	390.13	143.72	200.03	191.67	139.38	93.73	44.64	81.37	160.99	80.08
95th-Percentile Queue Length [veh/m]		3.84	22.33	22.08	9.68	12.64	12.21	9.45	6.75	3.21	5.86	10.60	5.77
95th-Percentile Queue Length [ft/m]		95.96	558.35	552.09	242.02	316.00	305.20	236.18	168.71	80.35	146.46	265.04	144.15

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	50.11	60.70	61.65	48.32	28.24	10.14	41.20	27.19	25.77	87.79	47.25	9.19
Movement LOS	D	E	E	D	C	B	D	C	C	F	D	A
d, A, Approach Delay [s/veh]	59.99											
d, A, Approach Delay [s/veh]	35.44											
Approach LOS	E											
d, I, Intersection Delay [s/veh]	36.57											
Intersection LOS	D											
Intersection V/C	0.885											

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 7: Challenger Way/Corporate Center Pkwy

Two-way stop
HCM 6th Edition
15 minutes

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

31.9
D
0.015

Intersection Setup

Name	Corporate Center Pkwy				Challenger Way			
Approach	Northbound				Eastbound			
Lane Configuration	TTL				TTL			
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00				25.00			
Grade [%]	0.00				0.00			
Crosswalk	No				No			

Volumes

Name	Corporate Center Pkwy						Challenger Way					
Base Volume Input [veh/h]	9	262	7	6	762	3	2	1	0	4	0	3
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	15	26	104	7	0	0	0	0	7	0	30
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	9	277	33	110	769	3	2	1	0	11	0	33
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	2	69	8	28	192	1	1	0	0	3	0	8
Total Analysis Volume [veh/h]	9	277	33	110	769	3	2	1	0	11	0	33
Pedestrian Volume [ped/h]	0						0					

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane			No	No
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.00	0.00	0.01	0.01	0.00	0.05	0.00	0.04
d, M, Delay for Movement [s/veh]	9.34	0.00	0.00	8.17	0.00	0.00	11.46	22.97	9.91
Movement LOS	A	A	A	A	A	A	D	C	D
95th-Percentile Queue Length [veh]	0.03	0.00	0.00	0.29	0.00	0.00	0.07	0.30	0.30
95th-Percentile Queue Length [ft]	0.81	0.00	0.00	7.24	0.00	0.00	1.66	7.46	7.46
d, A, Approach Delay [s/veh]		0.26			1.02		31.63		13.18
Approach LOS		A			A		D		B
d, I, Intersection Delay [s/veh]					1.33				
Intersection LOS					D				

Control Type :
Analysis Method:
Analysis Period:

All-way stop
HCM 2010
15 minutes

Intersection Level Of Service Report

Intersection 8: Corporate Center Pkwy/Northpoint Pkwy

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

11.5
B
0.511

Intersection Setup

Name	Corporate Center Pkwy			Corporate Center Pkwy			Northpoint Pkwy			Northpoint Pkwy
Approach	Northbound			Southbound			Eastbound			Westbound
Lane Configuration	+									
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	1	0	1	0	1	0
Pocket Length [ft]	100.00	100.00	100.00	120.00	100.00	100.00	125.00	100.00	100.00	100.00
Speed [mph]	40.00			40.00			40.00			40.00
Grade [%]	0.00			0.00			0.00			0.00
Crosswalk	Yes			Yes			Yes			Yes

Volumes

Name	Corporate Center Pkwy			Corporate Center Pkwy			Northpoint Pkwy			Northpoint Pkwy
Base Volume Input [veh/h]	1	6	4	158	27	55	102	56	3	27
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	14	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	1	6	4	172	27	55	102	56	3	27
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	2	1	43	7	14	26	14	1	7
Total Analysis Volume [veh/h]	1	6	4	172	27	55	102	56	3	27
Pedestrian Volume [ped/h]	0			0			0			0



Intersection Settings

Lanes

Capacity per Entry Lane [veh/h]	566	566	613	694	536	579	585	574	623	706
Degree of Utilization, x	0.02	0.30	0.04	0.08	0.19	0.05	0.05	0.05	0.06	0.51

Movement, Approach, & Intersection Results

95th-Percentile Queue Length [veh]	0.06	1.28	0.14	0.26	0.70	0.16	0.16	0.15	0.18	2.94
95th-Percentile Queue Length [ft]	1.49	31.94	3.45	6.44	17.40	4.02	3.97	3.70	4.59	73.41
Approach Delay [s/veh]	9.49		10.75			10.34			12.39	
Approach LOS	A		B			B			B	
Intersection Delay [s/veh]				11.47						
Intersection LOS				B						



Intersection Level Of Service Report				
Intersection 9 : Northpoint Pkwy/Stony Point Rd				
Control Type :	Signalized	Delay (sec / veh):	9.9	
Analysis Method:	HCM 2010	Level Of Service:	A	
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.480	

Intersection Setup

Name	Stony Point Rd Northbound			Stony Point Rd Southbound			Northpoint Pkwy Eastbound			Northpoint Pkwy Westbound		
Approach	TTL			TTL			TTL			TTL		
Lane Configuration										+		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	300.00	100.00	100.00	120.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00			40.00			40.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			Yes			No		

Volumes

Name	Stony Point Rd		Stony Point Rd		Northpoint Pkwy		Northpoint Pkwy	
Base Volume Input [veh/h]	377	776	0	0	786	111	56	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	41	64	0	0	47	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	418	840	0	0	833	111	56	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	105	210	0	0	208	28	14	0
Total Analysis Volume [veh/h]	418	840	0	0	833	111	56	0
Presence of On-Street Parking	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0		4		2		0	
Bicycle Volume [bicycles/h]	1		6		3		4	

Intersection Settings				
Located in CBD	No			
Signal Coordination Group	-			
Cycle Length [s]	120			
Coordination Type	Time of Day Pattern Coordinated			
Actuation Type	Fully actuated			
Offset [s]	0.0			
Offset Reference	LeadGreen			
Permissive Mode	SingleBand			
Lost time [s]	0.00			

Phasing & Timing

Control Type	ProtPer	Permiss	ProtPer	Permiss	Split	Permiss	Split	Overlap	Split	Split
Signal Group	3	8	0	7	4	0	2	0	3	0
Auxiliary Signal Groups	Lead	-	-	Lead	-	-	Lead	-	-	-
Minimum Green [s]	5	5	0	5	7	0	5	0	5	0
Maximum Green [s]	15	15	0	15	20	0	40	0	15	0
Amber [s]	4.3	3.0	0.0	3.0	4.3	0.0	4.3	0.0	4.3	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	1.0	0.0
Split [s]	56	81	0	9	34	0	30	0	56	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0	3.0	0.0
Walk [s]	0	0	0	0	7	0	0	0	0	0
Pedestrian Clearance [s]	0	0	0	0	21	0	0	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	3.3	2.0	0.0	2.0	3.3	0.0	3.3	0.0	3.3	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	L	R	C
C, Cycle Length [s]	44	44	44	44	44	44	44	44	44	44	44
L, Total Lost Time per Cycle [s]	4.65	4.00	4.00	5.30	5.30	5.30	5.30	5.30	5.30	5.30	5.30
I1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00
I2, Clearance Lost Time [s]	0.00	2.00	2.00	0.00	3.30	3.30	3.30	3.30	0.00	0.00	3.30
g, I, Effective Green Time [s]	29	25	25	28	14	14	6	19	6	19	6
g / C, Green / Cycle	0.65	0.56	0.56	0.62	0.33	0.33	0.14	0.43	0.14	0.43	0.14
(v / s), I Volume / Saturation Flow Rate	0.24	0.23	0.23	0.00	0.26	0.26	0.04	0.13	0.04	0.13	0.00
s, saturation flow rate [veh/h]	1771	1863	1863	1693	1778	1778	1401	1562	1401	1562	1863
c, Capacity [veh/h]	1158	1050	1050	1110	608	580	293	678	293	678	335
d1, Uniform Delay [s]	3.47	5.45	5.45	0.00	13.56	13.56	18.96	8.10	18.96	8.10	0.00
k, delay calibration	0.16	0.18	0.18	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.29	0.40	0.40	0.00	2.38	2.55	0.31	0.23	0.31	0.23	0.00
d3, Initial Queue Delay [s]	0.07	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.16	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.36	0.40	0.40	0.00	0.79	0.80	0.19	0.29	0.19	0.29	0.00
d, Delay for Lane Group [s/veh]	3.83	5.85	5.85	0.00	15.94	16.13	19.44	8.34	19.44	8.34	0.00
Lane Group LOS	A	A	A	A	B	B	B	A	B	A	A
Critical Lane Group	Yes	No	No	No	No	Yes	No	Yes	No	Yes	No
50th-Percentile Queue Length [veh/m]	0.59	1.21	1.21	0.00	3.61	3.49	0.48	0.85	0.48	0.85	0.00
50th-Percentile Queue Length [ft/m]	14.78	30.37	30.37	0.00	90.18	87.28	12.00	21.30	12.00	21.30	0.00
95th-Percentile Queue Length [veh/m]	1.06	2.19	2.19	0.00	6.49	6.28	0.86	1.53	0.86	1.53	0.00
95th-Percentile Queue Length [ft/m]	26.60	54.66	54.66	0.00	162.33	157.11	21.60	38.33	21.60	38.33	0.00

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	3.83	5.85	5.85	0.00	16.02	16.13	19.44	0.00	8.34	0.00	0.00
Movement LOS	A	A	A	A	B	B	B	A	A	A	A
d, A, Approach Delay [s/veh]	5.18	5.18	5.18	16.03	16.03	16.03	10.80	0.00	0.00	0.00	0.00
Approach LOS	A	A	A	B	B	B	B	A	A	A	A
d, I, Intersection Delay [s/veh]	9.93	9.93	9.93	9.93	9.93	9.93	9.93	9.93	9.93	9.93	9.93
Intersection LOS	A	A	A	A	A	A	A	A	A	A	A
Intersection V/C	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480

Sequence

Ring 1	-	2	3	4	-	-	-	-	-	-	-
Ring 2	-	6	7	8	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-



Control Type : Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes

Intersection Level Of Service Report
Intersection 1: SR 12/Fulton Rd-Wright Rd

Delay (sec / veh): 51.9
Level Of Service: D
Volume to Capacity (v/c): 0.710

Intersection Setup

Name	N Wright Rd			Fulton Rd			SR 12			SR 12
Approach	Northbound			Southbound			Eastbound			Westbound
Lane Configuration	🚗🚗🚗			🚗🚗🚗			🚗🚗🚗			🚗🚗🚗
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	14.00	12.00	12.00	16.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	1	1
Pocket Length [ft]	200.00	100.00	140.00	180.00	100.00	150.00	160.00	100.00	280.00	110.00
Speed [mph]	35.00			45.00			55.00			65.00
Grade [%]	0.00			0.00			0.00			0.00
Crosswalk	No			No			No			Yes

Volumes

Name	N Wright Rd			Fulton Rd			SR 12			SR 12
Base Volume Input [veh/h]	86	591	253	637	488	172	229	790	65	222
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	54	15	0	0	15	0	0	22	40	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	70	0	0	88	0	0	0	0
Total Hourly Volume [veh/h]	140	606	183	637	503	84	229	812	105	222
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	35	152	46	159	126	21	57	203	26	56
Total Analysis Volume [veh/h]	140	606	183	637	503	84	229	812	105	222
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0			0			0			0
Bicycle Volume [bicycles/h]	2			3			0			0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	130
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	55.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Unsigna
Signal Group	3	8	3	7	4	0	5	2	0	1	6
Auxiliary Signal Groups	Lag	-	-	Lead	-	-	Lead	-	-	Lag	-
Minimum Green [s]	6	10	6	10	10	0	6	15	0	6	15
Maximum Green [s]	15	35	15	35	45	0	28	20	0	17	20
Amber [s]	3.0	3.9	3.0	3.0	4.3	0.0	3.0	5.8	0.0	3.0	5.8
All red [s]	0.5	0.5	0.5	0.5	0.5	0.0	1.0	1.5	0.0	0.5	1.5
Split [s]	15	25	15	33	43	0	26	45	0	27	46
Vehicle Extension [s]	3.0	3.0	3.0	3.0	3.5	0.0	3.0	5.0	0.0	3.0	5.0
Walk [s]	0	7	0	0	0	0	0	0	0	0	0
Pedestrian Clearance [s]	0	30	0	0	0	0	0	0	0	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No	No
I1, Start-Up Lost Time [s]	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0
Minimum Recall	No	No	No	No	No	No	No	Yes	No	No	Yes
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	R	L	C	R	L	C	R	L	C	L	C
C, Cycle Length [s]		400	130	130	130	4.00	4.00	4.00	4.00	4.00	4.00	4.00	130	130
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
I1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g, I, Effective Green Time [s]		12	24	24	28	38	38	19	46	18	45	45	18	45
g / C, Green / Cycle		0.09	0.18	0.18	0.20	0.29	0.29	0.14	0.36	0.14	0.35	0.35	0.14	0.35
(v / s), I Volume / Saturation Flow Rate		0.08	0.17	0.12	0.18	0.27	0.05	0.13	0.23	0.13	0.13	0.21	0.13	0.21
s, saturation flow rate [veh/h]		1774	3547	1561	3445	1863	1623	1774	3547	1774	3547	3547	1774	3547
c, Capacity [veh/h]		161	653	287	689	546	476	256	1262	243	1237	1237	243	1237
d1, Uniform Delay [s]		55.36	52.21	49.04	51.06	44.49	34.25	54.71	35.01	55.34	34.85	34.85	55.34	34.85
k, delay calibration		0.13	0.11	0.11	0.11	0.31	0.13	0.15	0.50	0.22	0.50	0.50	0.22	0.50
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		15.10	6.41	2.34	5.90	16.40	0.21	14.39	2.54	21.54	2.15	2.15	21.54	2.15
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.87	0.93	0.64	0.92	0.92	0.18	0.90	0.64	0.91	0.60	0.60
d, Delay for Lane Group [s/veh]		73.46	58.61	51.38	57.02	60.88	34.46	69.10	37.55	76.87	37.00	37.00
Lane Group LOS		E	E	E	E	E	C	E	D	E	D	D
Critical Lane Group		No	Yes	No	Yes	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/m]		5.19	10.21	5.65	10.47	17.62	1.97	8.10	10.58	8.23	9.28	9.28
50th-Percentile Queue Length [ft/m]		129.83	255.26	141.24	261.63	440.61	49.34	202.39	264.43	205.75	232.10	232.10
95th-Percentile Queue Length [veh/m]		8.93	15.45	9.55	15.77	24.51	3.55	12.76	15.91	12.93	14.28	14.28
95th-Percentile Queue Length [ft/m]		223.26	386.27	238.69	394.26	612.73	88.82	319.05	397.77	323.37	357.02	357.02

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]		73.46	58.61	51.38	57.02	60.88	34.46	69.10	37.55	76.87	37.00	37.00	0.00
Movement LOS		E	E	D	E	E	C	E	D	E	D	D	-
d, A, Approach Delay [s/veh]		59.43	59.43	59.43	57.06	57.06	44.49	44.49	44.49	46.19	46.19	46.19	-
Approach LOS		E	E	E	E	E	D	D	D	D	D	D	-
d, I, Intersection Delay [s/veh]							51.92						-
Intersection LOS							D						-
Intersection V/C							0.710						-

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 2: Stony Point Rd/SR-12 West Ramps-Occidental Rd

Signalized
HCM 2010
Analysis Method:
15 minutes
Delay (sec / veh): 53.2
Level Of Service: D
Volume to Capacity (v/c): 0.633

Intersection Setup

Name	Stony Point Rd			Stony Point Rd			Occidental Rd			SR-12 WB Off-Ramp		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration	TTL			TTL			TTL			TTL		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	1	2	0	1
Pocket Length [ft]	150.00	100.00	100.00	110.00	100.00	100.00	100.00	100.00	100.00	450.00	100.00	275.00
Speed [mph]	35.00			35.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			Yes			Yes		

Volumes

Name	Stony Point Rd			Stony Point Rd			Occidental Rd			SR-12 WB Off-Ramp		
Base Volume Input [veh/h]	113	876	68	0	1413	128	67	0	219	604	238	587
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	50	0	0	77	0	0	0	0	173	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	4	0	0	56	0	0	278
Total Hourly Volume [veh/h]	113	926	68	0	1490	124	67	0	163	777	238	309
Peak Hour Factor	1.0000	1.0000	0.8540	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	28	232	20	0	373	31	17	0	41	194	60	77
Total Analysis Volume [veh/h]	113	926	80	0	1490	124	67	0	163	777	238	309
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0			5			5			3		
Bicycle Volume [bicycles/h]	11			11			0			1		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Unsignal	Permiss	Permiss	Split	Permiss	Overlap	Split	Split
Signal Group	3	8	0	0	4	0	2	0	2	0
Auxiliary Signal Groups	Lead	-	-	-	-	Lead	-	-	-	-
Minimum Green [s]	5	5	0	0	5	0	5	0	5	0
Maximum Green [s]	30	30	0	0	30	0	30	0	30	0
Amber [s]	3.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0
Split [s]	23	80	0	0	57	0	9	0	9	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0
Walk [s]	0	7	0	0	7	0	0	0	0	7
Pedestrian Clearance [s]	0	14	0	0	21	0	0	0	0	20
Rest In Walk	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	C	C	L	R	L	C	R
C, Cycle Length [s]		120	120	120	120	120	120	120	120	120
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g, I, Effective Green Time [s]		36	76	36	36	5	45	27	27	27
g / C, Green / Cycle		0.30	0.63	0.30	0.30	0.04	0.38	0.22	0.22	0.22
(v / s), Volume / Saturation Flow Rate		0.06	0.26	0.30	0.30	0.04	0.06	0.23	0.15	0.18
s, saturation flow rate [veh/h]		1774	3547	3547	1770	1774	2803	3445	1812	1532
c, Capacity [veh/h]		532	2244	1063	531	75	1052	775	408	345
d1, Uniform Delay [s]		31.49	10.97	42.10	42.10	57.29	24.90	46.60	42.54	43.97
k, delay calibration		0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.16	0.24
l, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.91	0.56	30.62	42.63	26.85	0.07	15.67	2.84	8.88
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	9.87	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.21	0.41	1.01	1.01	0.89	0.15	1.00	0.67	0.79
d, Delay for Lane Group [s/veh]		32.40	11.53	72.72	84.73	94.01	24.96	62.27	45.38	52.86
Lane Group LOS		C	B	F	F	F	C	F	D	D
Critical Lane Group		Yes	No	No	Yes	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/m]		2.58	5.89	19.89	21.62	2.59	1.56	13.17	7.72	8.50
50th-Percentile Queue Length [ft/m]		64.45	147.35	497.29	540.60	64.69	39.11	329.32	193.08	212.51
95th-Percentile Queue Length [veh/m]		4.64	9.88	27.42	29.52	4.66	2.82	19.15	12.28	13.28
95th-Percentile Queue Length [ft/m]		116.02	246.89	685.54	738.05	116.43	70.40	478.86	307.02	332.05

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	32.40	11.53	0.00	0.00	0.00	76.06	84.73	94.01	0.00	24.96	62.27	45.38	52.00
Movement LOS	C	B				E	F	F		C	F	D	D
d, A, Approach Delay [s/veh]		13.80				76.72			45.08			56.84	
Approach LOS		B				E			D			E	
d, I, Intersection Delay [s/veh]							53.20						
Intersection LOS							D						
Intersection V/C							0.633						

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-
Ring 2	-	-	-	8	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-



Control Type :
Analysis Method :
Analysis Period :
Signalized
HCM 2010
15 minutes
Intersection Level Of Service Report
Intersection 3: Stony Point Rd/SR 12 East Ramps
Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):
20.2
C
0.695

Control Type :
Analysis Method :
Analysis Period :
Signalized
HCM 2010
15 minutes
Intersection Level Of Service Report
Intersection 3: Stony Point Rd/SR 12 East Ramps
Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):
20.2
C
0.695

Intersection Setup

Name	Stony Point Rd	Stony Point Rd	Stony Point Rd	SR 12 EB Off-Ramp	SR 12 EB On-Ramp
Approach	Northbound	Southbound	Eastbound	Westbound	
Lane Configuration	Left	Thru	Right	Left	Thru
Turning Movement	Left	Thru	Right	Left	Thru
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00
Speed [mph]	35.00	35.00	30.00	30.00	30.00
Grade [%]	0.00	0.00	0.00	0.00	0.00
Crosswalk	Yes	No	Yes	Yes	Yes

Volumes

Name	Stony Point Rd	Stony Point Rd	Stony Point Rd	SR 12 EB Off-Ramp	SR 12 EB On-Ramp
Base Volume Input [veh/h]	0	1074	785	542	1675
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0
Site-Generated Trips [veh/h]	0	50	166	0	250
Diverted Trips [veh/h]	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	73
Total Hourly Volume [veh/h]	0	1124	951	542	1825
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	281	238	136	456
Total Analysis Volume [veh/h]	0	1124	951	542	1825
Presence of On-Street Parking	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0
Pedestrian Volume [ped/h]	4	0	0	3	0
Bicycle Volume [bicycles/h]	13	0	8	0	0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	100
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Unsigna	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	7	4	0	2	0	0
Auxiliary Signal Groups	-	-	-	-	-	-	-	-	-
Lead / Lag	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	15	0	5	5	0	5	0	0
Maximum Green [s]	0	45	0	20	20	0	20	0	0
Amber [s]	0.0	3.0	0.0	4.1	4.1	0.0	3.9	0.0	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.0
Split [s]	0	25	0	49	50	0	50	0	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0	0.0
Walk [s]	0	7	0	7	7	0	8	0	0
Pedestrian Clearance [s]	0	8	0	14	14	0	19	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0	0.0
12, Clearance Lost Time [s]	0.0	2.0	0.0	3.1	3.1	0.0	2.9	0.0	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		C	L	C	L	R
C, Cycle Length [s]		67	67	67	67	67
L, Total Lost Time per Cycle [s]		4.00	5.10	5.10	4.90	4.90
l1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]		2.00	3.10	3.10	2.90	2.90
g, l, Effective Green Time [s]		25	20	49	8	8
g / C, Green / Cycle		0.38	0.30	0.74	0.11	0.11
(v / s), Volume / Saturation Flow Rate		0.32	0.31	0.51	0.02	0.07
s, saturation flow rate [veh/h]		3547	1774	3547	3445	1567
c, Capacity [veh/h]		1344	529	2613	393	179
d1, Uniform Delay [s]		18.94	23.53	4.78	26.86	28.38
k, delay calibration		0.11	0.41	0.30	0.11	0.11
l, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		1.45	41.82	0.96	0.21	3.75
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.84	1.02	0.70	0.18	0.64
d, Delay for Lane Group [s/veh]		20.39	65.35	5.74	27.08	32.13
Lane Group LOS		C	F	A	C	C
Critical Lane Group		Yes	Yes	No	No	Yes
50th-Percentile Queue Length [veh/in]		7.22	13.63	3.69	0.50	1.86
50th-Percentile Queue Length [ft/in]		180.49	340.69	92.29	12.43	46.43
95th-Percentile Queue Length [veh/in]		11.63	19.98	6.64	0.90	3.34
95th-Percentile Queue Length [ft/in]		290.66	499.39	166.11	22.38	83.57

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	0.00	20.39	65.35	5.74	0.00	27.08	0.00	32.13	0.00	0.00	0.00
Movement LOS		C	F	A		C		C			
d, A, Approach Delay [s/veh]		20.39		19.39				30.21		0.00	
Approach LOS		C		B				C		A	
d, I, Intersection Delay [s/veh]						20.24					
Intersection LOS						C					
Intersection V/C						0.695					

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-
Ring 2	-	-	7	8	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-



Control Type :
Signalized
HCM 2010
Analysis Method:
Analysis Period:
15 minutes

Located in CBD
Signal Coordination Group
Cycle Length [s]
Coordination Type
Actuation Type
Offset [s]
Offset Reference
Permissive Mode
Lost time [s]

Intersection Setup													
Name	S Wright Rd			N Wright Rd			Sebastopol Rd			Sebastopol Rd			
Approach	Northbound			Southbound			Eastbound			Westbound			
Lane Configuration	Left Thru Right			Left Thru Right			Left Thru Right			Left Thru Right			
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
Lane Width [ft]	12.00	20.00	20.00	10.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	1	0	0	
Pocket Length [ft]	40.00	100.00	100.00	150.00	100.00	100.00	100.00	100.00	100.00	200.00	100.00	100.00	
Speed [mph]	35.00			35.00			25.00			40.00			
Grade [%]	0.00			0.00			0.00			0.00			
Crosswalk	Yes			Yes			Yes			Yes			

Volumes													
Name	S Wright Rd			N Wright Rd			Sebastopol Rd			Sebastopol Rd			
Base Volume Input [veh/h]	2	326	99	420	404	9	18	7	3	93	8	524	
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	
Site-Generated Trips [veh/h]	0	9	29	39	16	0	0	0	0	50	0	60	
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	
Right-Turn on Red Volume [veh/h]	0	0	28	0	0	0	0	0	0	0	0	138	
Total Hourly Volume [veh/h]	2	335	100	459	420	9	18	7	3	143	8	446	
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	
Total 15-Minute Volume [veh/h]	1	84	25	115	105	2	5	2	1	36	2	112	
Total Analysis Volume [veh/h]	2	335	100	459	420	9	18	7	3	143	8	446	
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No	
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0	
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0	
Pedestrian Volume [ped/h]	0	0	0	0	0	0	0	0	0	0	0	0	
Bicycle Volume [bicycles/h]	6	0	0	0	0	0	0	0	2	0	0	8	

Intersection Level Of Service Report

Intersection Settings			
Located in CBD	No		
Signal Coordination Group	-		
Cycle Length [s]	90		
Coordination Type	Time of Day Pattern Coordinated		
Actuation Type	Fully actuated		
Offset [s]	0.0		
Offset Reference	LeadGreen		
Permissive Mode	SingleBand		
Lost time [s]	0.00		

Phasing & Timing													
Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Protecte	Permiss	Overlap
Signal Group	3	8	0	7	4	0	0	5	0	0	5	0	6
Auxiliary Signal Groups	Lag	-	-	Lag	-	-	-	-	-	-	-	-	36.7
Lead / Lag	4	4	0	4	4	0	0	25	0	0	25	0	5
Minimum Green [s]	15	30	0	20	30	0	0	25	0	0	25	0	25
Maximum Green [s]	3.1	3.3	0.0	3.1	4.2	0.0	0.0	3.1	0.0	0.0	3.9	0.0	3.9
Amber [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All red [s]	16	28	0	8	20	0	0	27	0	0	27	0	27
Split [s]	2.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	2.0
Vehicle Extension [s]	0	7	0	0	7	0	0	7	0	0	7	0	7
Walk [s]	0	16	0	0	7	0	0	16	0	0	16	0	16
Pedestrian Clearance [s]	Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	2.0
12, Clearance Lost Time [s]	1.1	1.3	0.0	1.1	2.2	0.0	0.0	1.1	0.0	0.0	1.9	0.0	1.9
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	L	C	C	C	C	R
C, Cycle Length [s]	82	82	82	82	82	82	82	82
L, Total Lost Time per Cycle [s]	3.10	3.30	3.10	4.20	4.20	3.10	3.30	3.10
l1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	1.10	1.30	1.10	2.20	2.20	1.10	1.90	1.10
g, I, Effective Green Time [s]	29	21	20	12	12	2	25	82
g / C, Green / Cycle	0.35	0.26	0.24	0.14	0.03	0.30	1.00	1.00
(v / s), I Volume / Saturation Flow Rate	0.00	0.23	0.26	0.12	0.02	0.08	0.29	0.29
s, saturation flow rate [veh/h]	1774	1853	1774	1863	1849	1772	1779	1562
c, Capacity [veh/h]	618	479	432	266	264	55	540	1559
d1, Uniform Delay [s]	17.45	29.47	31.06	34.09	34.09	39.13	21.74	47.10
k, delay calibration	0.04	0.15	0.50	0.04	0.04	0.04	0.04	0.50
l, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.00	8.91	61.26	2.25	2.26	2.66	0.10	0.46
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.00	0.91	1.06	0.81	0.81	0.51	0.28	0.29
d, Delay for Lane Group [s/veh]	17.46	38.38	92.29	36.34	36.35	41.80	21.84	47.56
Lane Group LOS	B	D	F	D	D	D	C	D
Critical Lane Group	No	No	No	No	Yes	Yes	No	Yes
50th-Percentile Queue Length [veh/m]	0.02	9.02	15.38	4.16	4.13	0.59	2.08	10.25
50th-Percentile Queue Length [ft/m]	0.59	225.46	384.51	104.05	103.32	14.83	51.90	256.27
95th-Percentile Queue Length [veh/m]	0.04	13.94	22.59	7.49	7.44	1.07	3.74	15.50
95th-Percentile Queue Length [ft/m]	1.06	348.58	564.80	187.30	185.98	26.70	93.43	387.54

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	17.46	38.38	38.38	92.29	36.34	36.35	41.80	41.80	41.80	21.84	21.84	47.56
Movement LOS	B	D	D	F	D	D	D	D	D	C	C	D
d_A, Approach Delay [s/veh]		38.29			66.26		41.80					41.05
Approach LOS		D			E		D			D		D
d_I, Intersection Delay [s/veh]					51.47							
Intersection LOS					D							
Intersection V/C					0.521							

Sequence

Ring 1	-	-	3	4	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-



Control Type : Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes

Intersection Level Of Service Report
Intersection 5: Corporate Center Pkwy/Sebastopol Rd
Delay (sec / veh): 23.4
Level Of Service: C
Volume to Capacity (v/c): 0.622

Intersection Setup

Name	Corporate Center Pkwy				Corporate Center Pkwy				Sebastopol Rd			
Approach	Northbound				Southbound				Eastbound			
Lane Configuration	T				T				T			
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	10.00	12.00	10.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	80.00	100.00	100.00	150.00	100.00	100.00
Speed [mph]	40.00				25.00				40.00			
Grade [%]	0.00				0.00				0.00			
Crosswalk	Yes				Yes				No			

Volumes

Name	Corporate Center Pkwy				Corporate Center Pkwy				Sebastopol Rd			
Base Volume Input [veh/h]	441	1	506	2	1	4	0	287	165	221	304	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	43	0	94	0	0	0	0	46	30	39	81	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	484	1	600	2	1	4	0	333	195	260	385	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	121	0	150	1	0	1	0	83	49	65	96	0
Total Analysis Volume [veh/h]	484	1	600	2	1	4	0	333	195	260	385	0
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0	0	0	0	0	0	0	0	0	0	0	0
Bicycle Volume [bicyclsh]	0	0	0	0	0	0	0	0	0	0	0	0

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	120
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Split	Split	Permiss	Permiss	PerPer	Permiss	Permiss
Signal Group	0	3	0	0	4	0	0	5	2	0	1	6	0
Auxiliary Signal Groups													
Lead / Lag	-	-	-	-	-	-	-	Lag	-	-	Lag	-	-
Minimum Green [s]	0	5	0	0	6	0	7	7	0	6	7	0	0
Maximum Green [s]	0	40	0	0	50	0	30	30	30	0	30	30	0
Amber [s]	0.0	3.9	0.0	0.0	3.0	0.0	3.9	3.9	0.0	3.9	3.9	0.0	0.0
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	0.0
Split [s]	0	35	0	0	19	0	12	36	0	30	54	0	0
Vehicle Extension [s]	0.0	2.0	0.0	0.0	2.0	0.0	2.0	2.0	0.0	3.0	2.0	0.0	0.0
Walk [s]	0	7	0	0	0	0	0	7	0	0	7	0	0
Pedestrian Clearance [s]	0	23	0	0	0	0	0	23	0	0	21	0	0
Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No	No
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	0.0
I2, Clearance Lost Time [s]	0.0	2.9	0.0	0.0	2.0	0.0	2.9	2.9	0.0	2.9	2.9	0.0	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group													
C, Cycle Length [s]	65	65	65	65	65	65	65	65	65	65	65	65	65
L, Total Lost Time per Cycle [s]	4.90	4.90	4.00	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90
I1, P, Permitted Start-Up Lost Time [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]	2.90	2.90	2.00	2.00	2.00	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90
g, I, Effective Green Time [s]	27	27	1	1	1	24	13	13	13	24	24	16	16
g / C, Green / Cycle	0.41	0.41	0.01	0.01	0.01	0.37	0.19	0.19	0.37	0.37	0.24	0.24	0.24
(v / s), I Volume / Saturation Flow Rate	0.27	0.38	0.00	0.00	0.00	0.00	0.15	0.15	0.15	0.19	0.19	0.21	0.21
s, saturation flow rate [veh/h]	1774	1584	1803	1267	1330	1863	1617	1375	1375	1863	1863	1863	1863
c, Capacity [veh/h]	731	653	20	14	336	359	311	418	418	445	445	445	445
d1, Uniform Delay [s]	15.55	18.22	32.04	32.09	0.00	25.06	25.23	21.51	21.51	23.89	23.89	23.89	23.89
k, delay calibration	0.04	0.11	0.04	0.04	0.04	0.11	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.39	6.15	1.28	4.08	0.00	3.59	1.86	0.57	0.57	2.03	2.03	2.03	2.03
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.66	0.92	0.15	0.29	0.00	0.77	0.80	0.80	0.82	0.87	0.87	0.87	0.87
d, Delay for Lane Group [s/veh]	15.93	24.37	33.33	36.17	0.00	26.64	27.09	22.08	22.08	25.92	25.92	25.92	25.92
Lane Group LOS	B	C	C	D	A	C	C	C	C	C	C	C	C
Critical Lane Group	No	Yes	No	Yes	No	No	Yes	Yes	Yes	No	No	No	No
50th-Percentile Queue Length [veh/m]	4.95	8.21	0.05	0.08	0.00	4.04	3.51	2.55	2.55	5.33	5.33	5.33	5.33
50th-Percentile Queue Length [ft/m]	123.82	205.22	1.32	1.93	0.00	101.10	87.73	63.81	63.81	133.22	133.22	133.22	133.22
95th-Percentile Queue Length [veh/m]	8.60	12.91	0.10	0.14	0.00	7.28	6.32	4.59	4.59	9.11	9.11	9.11	9.11
95th-Percentile Queue Length [ft/m]	215.07	322.69	2.38	3.47	0.00	181.98	157.92	114.85	114.85	227.86	227.86	227.86	227.86

Movement, Approach, & Intersection Results

d, M, Delay for Movement [s/veh]	15.93	24.37	24.37	33.33	33.33	33.33	36.17	0.00	28.39	27.09	22.08	25.92	25.92
Movement LOS	B	C	C	C	C	C	D	A	C	C	C	C	C
d, A, Approach Delay [s/veh]		20.61		34.95	34.95	34.95			27.91		24.37	24.37	24.37
Approach LOS		C		C	C	C			C		C	C	C
d, I, Intersection Delay [s/veh]							23.42						
Intersection LOS							C						
Intersection V/C							0.622						

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 6: Sebastopol RdStony Point Rd

Control Type : Signalized
Analysis Method: HCM 2010
Analysis Period: 15 minutes
Delay (sec / veh): 50.0
Level Of Service: D
Volume to Capacity (v/c): 0.876

Intersection Setup

Name	Stony Point Rd			Stony Point Rd			Sebastopol Rd			Sebastopol Rd
Approach	Northbound			Southbound			Eastbound			Westbound
Lane Configuration	TWO			TWO			TWO			TWO
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	0
Pocket Length [ft]	170.00	100.00	100.00	200.00	100.00	100.00	300.00	100.00	50.00	100.00
Speed [mph]	35.00			35.00			40.00			30.00
Grade [%]	0.00			0.00			0.00			0.00
Crosswalk	Yes			Yes			Yes			Yes

Volumes

Name	Stony Point Rd			Stony Point Rd			Sebastopol Rd			Sebastopol Rd
Base Volume Input [veh/h]	96	736	97	253	943	414	507	276	88	143
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	2	35	29	108	62	102	131	7	2	17
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	98	771	126	361	1005	516	638	283	90	160
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	25	193	32	90	251	129	160	71	23	40
Total Analysis Volume [veh/h]	98	771	126	361	1005	516	638	283	90	160
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	12			16			19			21
Bicycle Volume [bicyclsh]	2			4			6			4

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	100
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Protecte	Permiss	Protecte	Permiss	Protecte	Overlap	Protecte	Permiss	Protecte	Permiss	Overlap
Signal Group	3	8	0	7	4	5	5	2	0	1	6
Auxiliary Signal Groups	Lead	-	-	Lead	-	-	Lag	-	-	Lead	-
Minimum Green [s]	6	6	0	6	6	6	6	6	0	6	6
Maximum Green [s]	30	30	0	30	30	30	30	30	0	30	30
Amber [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0
All red [s]	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0
Split [s]	10	31	0	13	34	20	20	32	0	24	36
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0
Walk [s]	0	5	0	0	6	0	0	6	0	0	6
Pedestrian Clearance [s]	0	20	0	0	22	0	0	22	0	0	19
Rest In Walk	No	No	0.0	2.0	No	No	2.0	No	0.0	No	No
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0
I2, Clearance Lost Time [s]	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	L	C	L	C	L	C	L	C	L	C	R
C, Cycle Length [s]		123	123	123	123	123	123	123	123	123	123	123	123	123
L, Total Lost Time per Cycle [s]		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
I1, P, Permitted Start-Up Lost Time [s]		2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2, Clearance Lost Time [s]		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	0.00
g, I, Effective Green Time [s]		11	30	30	27	46	95	30	37	37	13	20	85	
g / C, Green / Cycle		0.09	0.24	0.24	0.22	0.37	0.77	0.24	0.30	0.30	0.11	0.16	0.69	
(v / s), Volume / Saturation Flow Rate		0.07	0.25	0.25	0.20	0.28	0.34	0.23	0.15	0.06	0.09	0.12	0.25	
s, saturation flow rate [veh/h]		1412	1863	1734	1774	3547	1530	1863	1539	1774	1863	1863	1552	
c, Capacity [veh/h]		174	455	423	392	1322	1185	677	564	458	189	299	1072	
d1, Uniform Delay [s]		55.60	46.40	46.40	46.75	33.70	4.72	47.98	35.72	32.17	53.64	49.38	7.79	
k, delay calibration		0.11	0.46	0.47	0.33	0.14	0.50	0.11	0.17	0.11	0.11	0.11	0.46	
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
d2, Incremental Delay [s]		2.82	43.06	51.47	21.61	1.21	1.17	7.35	1.17	0.21	9.80	4.25	0.85	
d3, Initial Queue Delay [s]		0.00	0.00	0.00	11.55	0.00	0.00	2.64	0.55	0.00	0.00	0.00	0.00	
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	

Lane Group Results

X, volume / capacity		0.56	1.01	1.03	0.92	0.76	0.44	0.94	0.51	0.20	0.84	0.77	0.36	
d, Delay for Lane Group [s/veh]		58.42	89.47	97.87	79.90	34.91	5.88	57.97	37.44	32.38	63.64	53.64	8.64	
Lane Group LOS		E	F	F	E	C	A	E	D	C	E	D	A	
Critical Lane Group		No	No	Yes	Yes	No	No	Yes	No	No	No	No	Yes	
50th-Percentile Queue Length [veh/m]		3.11	19.10	18.77	12.99	13.06	3.36	10.30	7.07	2.00	5.37	7.15	4.14	
50th-Percentile Queue Length [ft/m]		77.73	477.53	469.16	324.80	326.47	98.97	257.45	176.71	50.00	134.31	178.78	103.46	
95th-Percentile Queue Length [veh/m]		5.60	26.44	28.38	18.90	18.99	7.13	15.56	11.43	3.60	9.17	11.54	7.45	
95th-Percentile Queue Length [ft/m]		139.92	680.96	659.58	472.58	474.63	178.14	389.03	285.72	89.99	229.35	288.43	186.22	

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]		58.42	92.86	97.87	79.90	34.91	5.88	57.97	37.44	32.38	63.64	53.64	8.64	
Movement LOS		E	F	F	E	C	A	E	D	C	E	D	A	
d_A, Approach Delay [s/veh]			90.10			35.58		49.94				33.47		
Approach LOS			F			D		D				C		
d_I, Intersection Delay [s/veh]							49.99							
Intersection LOS							D							
Intersection V/C							0.876							

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	7	8	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report

Intersection 7: Challenger Way/Corporate Center Pkwy

Two-way stop
Intersection of Chandler way, Corporate center rd
Delay (sec / veh):

two-way stop
HCM 6th Edition

15 minutes

Volume to Capacity (v/c):

Intersection Setup

Name		Corporate Center Pkwy	Corporate Center Pkwy	Challenger Way	Challenger Way		
Approach		Northbound	Southbound	Eastbound	Westbound		
Lane Configuration							
Turning Movement		Left	Thru	Right	Left	Thru	Right
Lane Width [ft]		12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket		1	0	0	0	0	0
Pocket Length [ft]		100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]		40.00		25.00		25.00	
Grade [%]		0.00		0.00		0.00	
Crosswalk		No	No	No	No	No	

Volumes

[illegible]

Intersection Settings

Priority Scheme	Free	Free	Free	Stop	Stop
Flared Lane				No	No
Storage Area [veh]	0	0	0	0	0
Two-Stage Gap-Acceptance				No	No
Number of Storage Spaces in Median	0	0	0	0	0
Movement Approach, & Intersection Results					
V/C Movement V/C Ratio	0.00	0.01	0.00	0.00	0.00
d_M Delay for Movement [s/veh]	7.92	0.00	9.61	0.00	0.01
Movement LOS	A	A	A	A	C
95th-Percentile Queue Length [veh/ln]	0.01	0.00	0.19	0.00	0.12
95th-Percentile Queue Length [ft/ln]	0.36	0.00	0.70	0.00	0.12
d_A Approach Delay [s/veh]		0.06	1.28	13.75	24.23
Approach LOS		A	A	B	C
d_I Intersection Delay [s/veh]				3.75	
Intersection LOS				E	

Control Type :
Analysis Method:
Analysis Period:

All-way stop
HCM 2010
15 minutes

Intersection Level Of Service Report

Intersection 8: Corporate Center Pkwy/Northpoint Pkwy

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

13.6
B
0.623

Intersection Setup

Name	Corporate Center Pkwy				Corporate Center Pkwy				Northpoint Pkwy			
Approach	Northbound				Southbound				Eastbound			
Lane Configuration	+											
Turning Movement	Left	Thru	Right		Left	Thru	Right		Left	Thru	Right	
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	1	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	120.00	100.00	100.00	100.00	100.00	70.00	100.00	100.00
Speed [mph]	40.00				40.00				40.00			
Grade [%]	0.00				0.00				0.00			
Crosswalk	Yes				Yes				Yes			

Volumes

Name	Corporate Center Pkwy				Corporate Center Pkwy				Northpoint Pkwy			
Base Volume Input [veh/h]	0	22	5	324	5	105	56	37	0	1	58	175
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	49	0	0	0	0	0	0	0	24
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	22	5	373	5	105	56	37	0	1	58	199
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	6	1	93	1	26	14	9	0	0	15	50
Total Analysis Volume [veh/h]	0	22	5	373	5	105	56	37	0	1	58	199
Pedestrian Volume [ped/h]	0				0				0			



Intersection Settings

Lanes

Capacity per Entry Lane [veh/h]	549	599	652	746	487	535	523	564	635
Degree of Utilization, x	0.05	0.62	0.01	0.14	0.11	0.03	0.03	0.10	0.31

Movement, Approach, & Intersection Results

95th-Percentile Queue Length [veh]	0.15	4.30	0.02	0.49	0.38	0.11	0.11	0.01	1.34
95th-Percentile Queue Length [ft]	3.87	107.59	0.56	12.21	9.46	2.69	2.69	0.14	33.44
Approach Delay [s/veh]	9.90	15.90			10.39				10.68
Approach LOS	A		C		B				B
Intersection Delay [s/veh]	13.55								
Intersection LOS	B								



Intersection Level Of Service Report
Intersection 9 : Northpoint Pkwy/Stony Point Rd

Delay (sec / veh):
Level Of Service:
Volume to Capacity (v/c):

20.4
C
0.489

Control Type :
Analysis Method:
Analysis Period:

Signalized
HCM 2010
15 minutes

Intersection Setup

Name	Stony Point Rd			Stony Point Rd			Northpoint Pkwy			Northpoint Pkwy
Approach	Northbound			Southbound			Eastbound			Westbound
Lane Configuration	TTL			TTL			TTL			TTL
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	0
Pocket Length [ft]	300.00	100.00	100.00	120.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00			40.00			40.00			25.00
Grade [%]	0.00			0.00			0.00			0.00
Crosswalk	No			Yes			Yes			No

Volumes

Name	Stony Point Rd			Stony Point Rd			Northpoint Pkwy			Northpoint Pkwy
Base Volume Input [veh/h]	161	748	0	0	889	41	124	0	402	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	24	66	0	0	81	0	0	0	49	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	185	814	0	0	970	41	124	0	451	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	46	204	0	0	243	10	31	0	113	0
Total Analysis Volume [veh/h]	185	814	0	0	970	41	124	0	451	0
Presence of On-Street Parking	No	No	No	No	No	No	No	No	No	No
On-Street Parking Maneuver Rate [1/h]	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [1/h]	0	0	0	0	0	0	0	0	0	0
Pedestrian Volume [ped/h]	0			13			2			0
Bicycle Volume [bicycles/h]	4			3			0			2

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	100
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	LeadGreen
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	ProtPer	Permiss	ProtPer	Permiss	Split	Permiss	Split	Overlap	Split	Split
Signal Group	3	8	0	7	4	0	2	0	3	0
Auxiliary Signal Groups	Lead	-	-	Lead	-	-	Lead	-	-	-
Minimum Green [s]	5	5	0	5	7	0	5	0	5	0
Maximum Green [s]	15	15	0	15	20	0	40	0	15	0
Amber [s]	4.3	3.0	0.0	3.0	4.3	0.0	4.3	0.0	4.3	0.0
All red [s]	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	1.0	0.0
Split [s]	11	48	0	9	46	0	43	0	11	0
Vehicle Extension [s]	3.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0	3.0	0.0
Walk [s]	0	0	0	0	7	0	0	0	0	7
Pedestrian Clearance [s]	0	0	0	0	21	0	0	0	0	17
Rest In Walk	No	No	No	No	No	No	No	No	No	No
11, Start-Up Lost Time [s]	2.0	2.0	0.0	2.0	2.0	0.0	2.0	0.0	2.0	0.0
12, Clearance Lost Time [s]	3.3	2.0	0.0	2.0	3.3	0.0	3.3	0.0	3.3	0.0
Minimum Recall	No	No	No	No	No	No	No	No	No	No
Maximum Recall	No	No	No	No	No	No	No	No	No	No
Pedestrian Recall	No	No	No	No	No	No	No	No	No	No
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group		L	C	C	L	C	L	C	L	R	C
C, Cycle Length [s]		65	65	65	65	65	65	65	65	65	65
L, Total Lost Time per Cycle [s]		4.65	4.00	4.00	5.30	5.30	5.30	5.30	5.30	5.30	5.30
I1, P, Permitted Start-Up Lost Time [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00
I2, Clearance Lost Time [s]		0.00	2.00	2.00	0.00	3.30	3.30	3.30	0.00	0.00	3.30
g, I, Effective Green Time [s]		40	36	36	39	20	20	20	16	35	16
g / C, Green / Cycle		0.62	0.55	0.55	0.60	0.30	0.30	0.24	0.24	0.54	0.24
(v / s), I Volume / Saturation Flow Rate		0.10	0.22	0.22	0.00	0.27	0.27	0.09	0.28	0.00	0.00
s, saturation flow rate [veh/h]		1771	1863	1863	726	1863	1833	1390	1583	1863	1863
c, Capacity [veh/h]		1090	1031	1031	509	563	554	413	848	507	507
d1, Uniform Delay [s]		5.41	8.35	8.35	0.00	21.93	21.94	21.99	9.87	0.00	0.00
k, delay calibration		0.11	0.38	0.38	0.11	0.32	0.32	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]		0.07	0.85	0.85	0.00	14.37	14.73	0.40	0.52	0.00	0.00
d3, Initial Queue Delay [s]		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity		0.17	0.39	0.39	0.00	0.90	0.91	0.30	0.53	0.00	0.00
d, Delay for Lane Group [s/veh]		5.48	9.20	9.20	0.00	36.30	36.68	22.40	10.39	0.00	0.00
Lane Group LOS		A	A	A	A	D	D	C	B	A	A
Critical Lane Group		No	No	No	No	No	Yes	No	Yes	No	No
50th-Percentile Queue Length [veh/m]		0.77	2.72	2.72	0.00	8.78	8.71	1.53	3.33	0.00	0.00
50th-Percentile Queue Length [ft/m]		19.31	67.97	67.97	0.00	219.41	217.71	38.13	83.31	0.00	0.00
95th-Percentile Queue Length [veh/m]		1.39	4.89	4.89	0.00	13.63	13.55	2.75	6.00	0.00	0.00
95th-Percentile Queue Length [ft/m]		34.76	122.34	122.34	0.00	340.87	338.70	68.64	149.95	0.00	0.00

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	5.48	9.20	9.20	0.00	36.48	36.68	22.40	0.00	10.39	0.00	0.00
Movement LOS	A	A	A	A	D	D	C		B	A	A
d_A, Approach Delay [s/veh]	8.51				36.48			12.98			0.00
Approach LOS	A				D			B		A	
d_I, Intersection Delay [s/veh]					20.45						
Intersection LOS					C						
Intersection V/C					0.489						

Sequence

Ring 1	-	2	3	4	-	-	-	-	-	-	-
Ring 2	-	6	7	8	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-



Appendix C

Baseline Trip Generation



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Baseline Project Land Uses	Daily (Weekday)	AM PEAK On a Weekday			PM PEAK On a Weekday		
	Total Trips	Number of Trips	In (Trips)	Out (Trips)	Number of Trips	In (Trips)	Out (Trips)
Same Distribution as Project							
Santa Rosa Skilled Nursing Facility							
37,900 square foot nursing home with 59 beds	242	13	7	6	15	7	8
Burbank Ave Subdivision							
64 multi family and 74 single family	1158	83	21	62	108	68	40
Sebastopol Road Townhomes (formerly the Villas)							
197 multifamily units	1145	87	15	72	102	68	34
4.5 ksf retail	170	4	3	1	17	8	9
Park Lane II							
26 multifamily units	190	12	3	9	15	9	6
Smith Village/Pantoja Lane							
8 single family units	76	6	1	5	8	5	3
Golden Gate Court							
12 single family units	113	9	2	7	12	7	5
Air Center East Phase II							
133 single family units	1256	98	25	73	132	83	49
Total	4350	312	77	235	409	255	154

Route 15 Percent of Trips-split 20 percent turning onto Northpoint Parkway and 80 percent straight north on Stony Point Road							
Dutton Meadows Sudivision							
211 single family plus accessory dwellings	1801	132	33	99	172	109	63
Somerset Place							
32 single family units	302	24	6	18	32	20	12
Meadowood Ranch							
78 single family units	736	58	14	44	77	49	28
Bellevue Ranch 7							
30 single family units	283	22	6	16	30	19	11
Lantana Homes							
48 single family du	453	36	9	27	48	30	18
Southwest Estates							
60 single family units	566	44	11	33	59	37	22
15 percent of Sub-Total	621	47	12	36	63	40	23
Route 30 Percent of Trips-split 20 percent turning onto Northpoint Parkway and 80 percent straight north on Stony Point Road							
Stony Village North							
47 single family du plus accessory dwellings	436	34	8	26	45	29	16
Grove Village (formerly known as Stony Village South)							
137 single family with 20 additional granny units	1437	113	28	85	149	94	55
30 percent of Sub-Total	562	44	11	33	58	37	21
Total split 20 percent turning onto Northpoint Parkway and 80 percent straight north on Stony Point Road	1183	91	23	69	121	77	44



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Appendix D

Maximum Queue Lengths Spreadsheets



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Maximum Queue Length Two-Way Stop-Controlled Intersections

Through Street: Corporate Center Parkway
Side Street: Challenger Way

Scenario: Baseline AM Peak
Stop Controlled Legs: East/West

Volume Inputs (veh/hr)		Corporate Center Parkway		Uncontrolled Legs Speed Limit: <u>40 mph</u> # Lanes on Uncontrolled Legs: <u>2 Lanes</u>		
Southbound		3	769	6	Westbound	
Challenger Way	2 STOP 1 STOP 0 STOP	Corporate Center Parkway		Northbound 		
Eastbound		9	277	7	Challenger Way	
Maximum Queues (veh)		Corporate Center Parkway		Westbound 		
Southbound		-	-	0	Challenger Way	
Challenger Way	1 3 -	Corporate Center Parkway		Northbound 		
Eastbound		1	-	-	Challenger Way	

Source: John T. Gard, ITE Journal, November 2001, "Estimating Maximum Queue Length at Unsignalized Intersections"

Maximum Queue Length Two-Way Stop-Controlled Intersections

Through Street: Corportate Center Parkway
Side Street: Challenger Way

Scenario: Baseline AM Peak plus Projec
Stop Controlled Legs: East/West

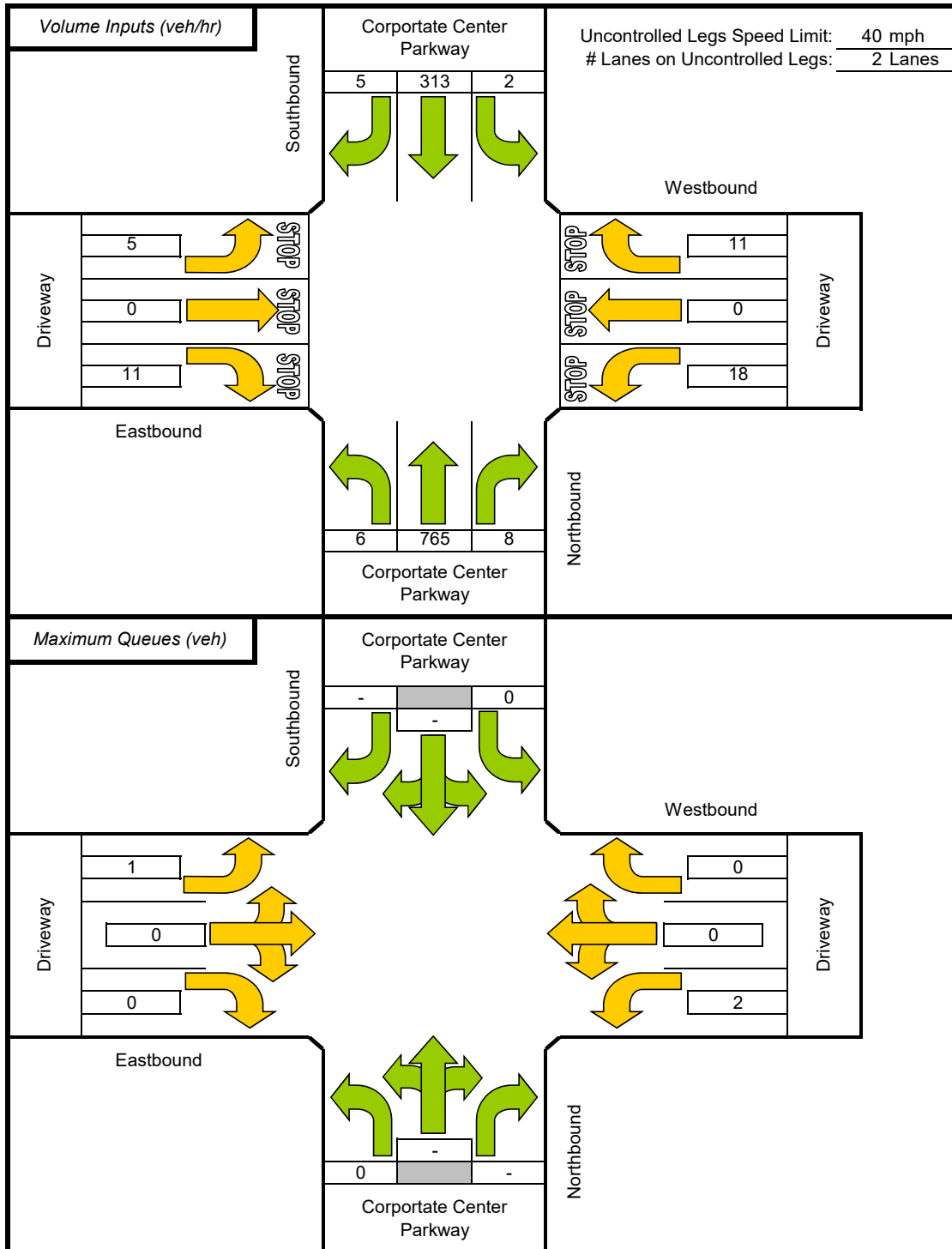
Volume Inputs (veh/hr)		Corportate Center Parkway		Uncontrolled Legs Speed Limit: <u>40 mph</u> # Lanes on Uncontrolled Legs: <u>2 Lanes</u>		
Southbound		3	769	110	Westbound	
Challenger Way		2			Challenger Way	
		1				
		0				
Eastbound		9	277	33	Northbound	
		Corportate Center Parkway				
Maximum Queues (veh)		Corportate Center Parkway				
Southbound		-	-	2	Westbound	
Challenger Way		1			Challenger Way	
		3				
		-				
Eastbound		1	-	-	Northbound	
		Corportate Center Parkway				

Source: John T. Gard, ITE Journal, November 2001, "Estimating Maximum Queue Length at Unsignalized Intersections"

Maximum Queue Length Two-Way Stop-Controlled Intersections

Through Street: Corportate Center Parkway
Side Street: Challenger Way

Scenario: Baseline PM Peak
Stop Controlled Legs: East/West

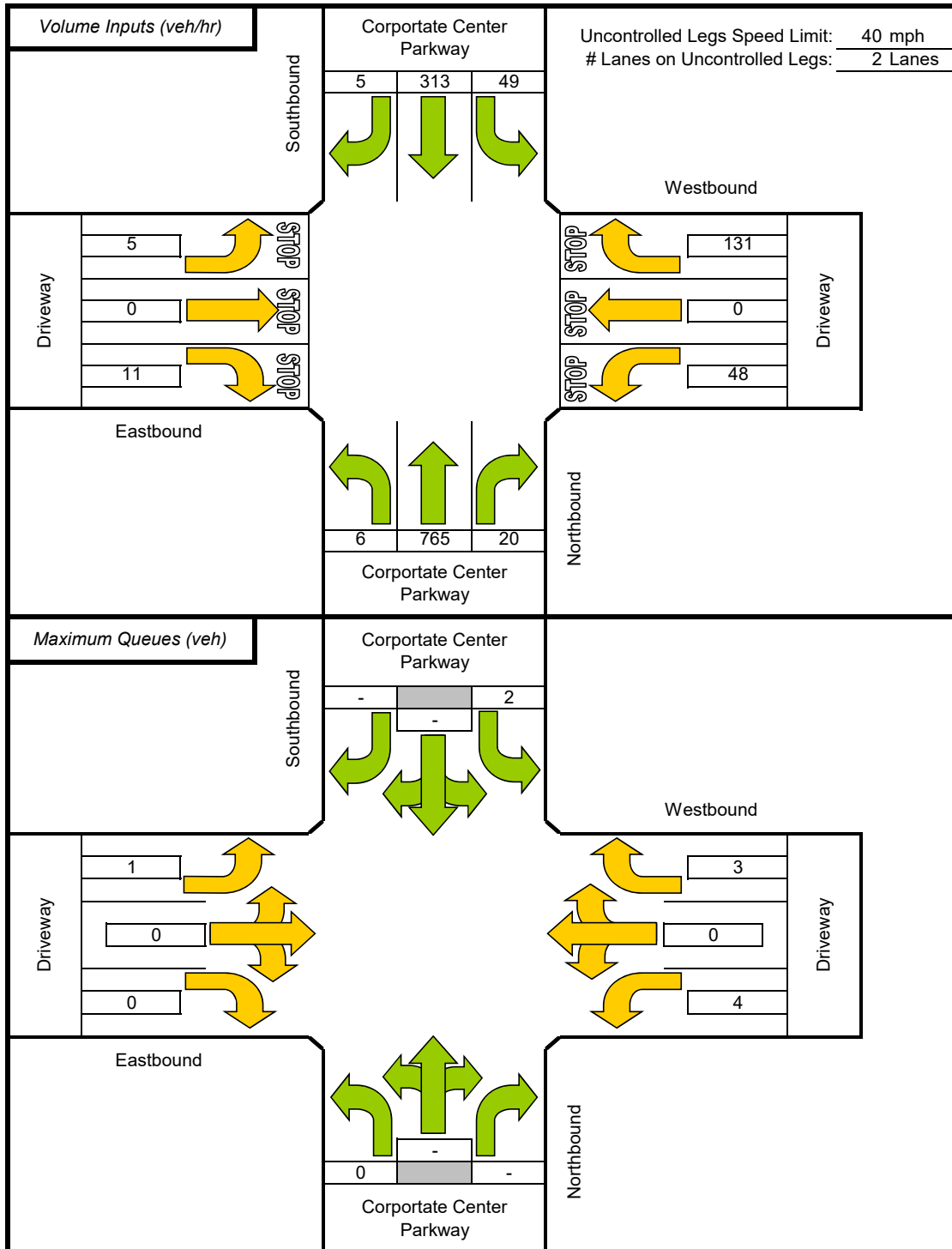


Source: John T. Gard, ITE Journal, November 2001, "Estimating Maximum Queue Length at Unsignalized Intersections"

Maximum Queue Length Two-Way Stop-Controlled Intersections

Through Street: Corporate Center Parkway
Side Street: Challenger Way

Scenario: Baseline PM Peak plus Projec
Stop Controlled Legs: East/West



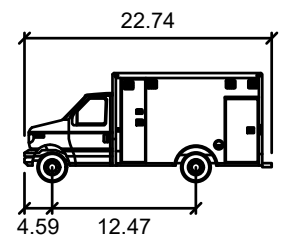
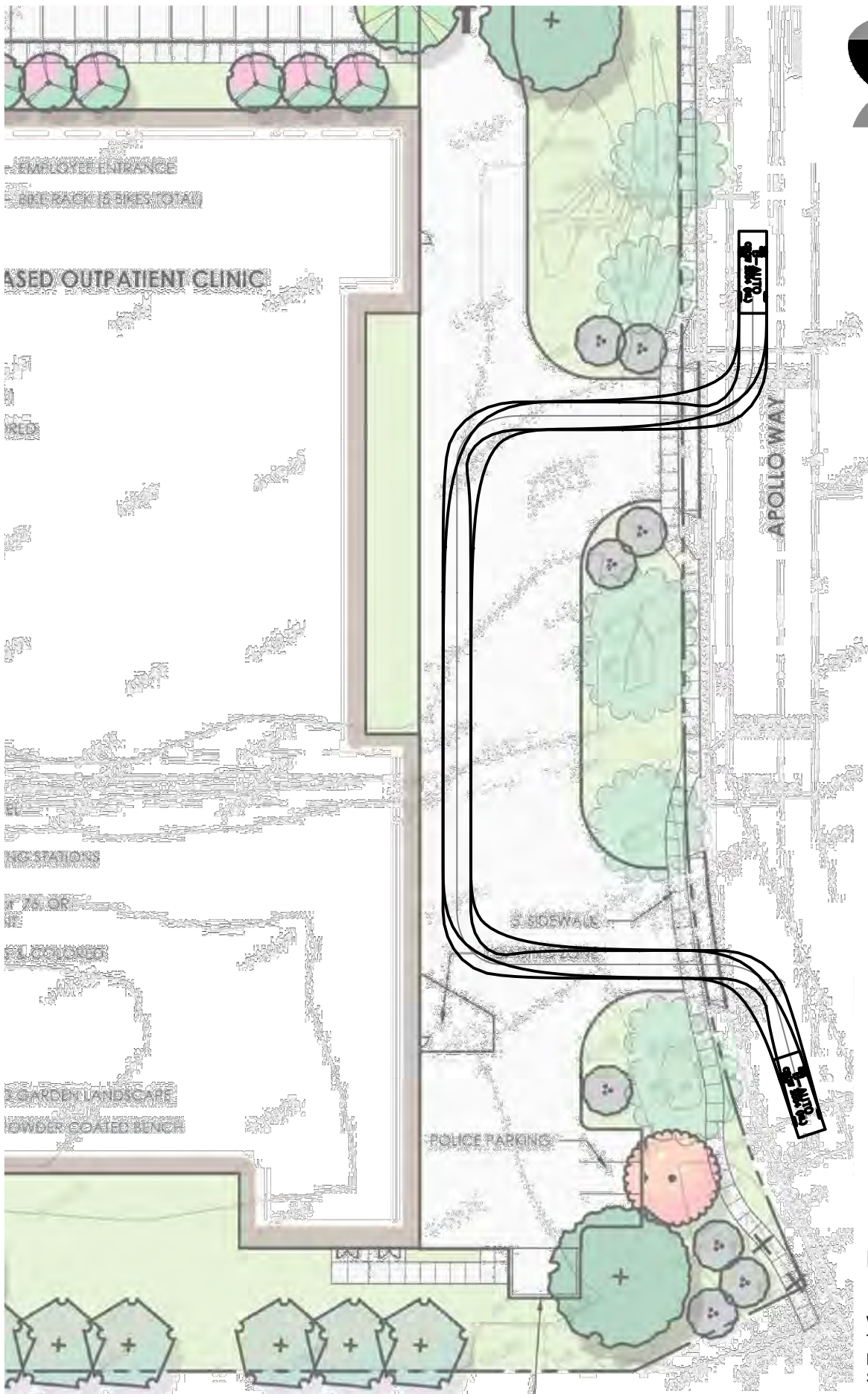
Source: John T. Gard, ITE Journal, November 2001, "Estimating Maximum Queue Length at Unsignalized Intersections"

Appendix E

Auto-Turn Exhibits



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B-AUTO

	feet
Width	: 7.71
Track	: 7.71
Lock to Lock Time	: 6.0
Steering Angle	: 47.8

D
MOVED
IN

ID	SYMBOL NAME	QUANTITY	SIZE	QTY	COMMENTS

ARINA STRAWBERRY TREE	L	24 BOX	24		MULTI TRUNK FORM MATCHED HEIGHT
WESTERN REDBUD	Y	24 BOX	24		MULTI TRUNK FORM MATCHED HEIGHT
SENTRY / PRINCE OF SENTRY MAIDEN HAIR	M	24 BOX	24		STANDARD TREE FORM MATCHED HEIGHT
ANCHOR / COMANQUE CRAFT MYRTLE	L	24 BOX	24		STANDARD TREE FORM MATCHED HEIGHT
SHINGE PISTACHE	L	24 BOX	24		STANDARD TREE FORM MATCHED HEIGHT
WEE OAK	L	15 GAL	15		STANDARD TREE FORM MATCHED HEIGHT
E EVERGREEN ELM	L	24 BOX	24		STANDARD TREE FORM MATCHED HEIGHT

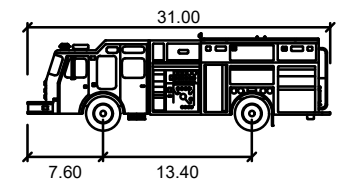
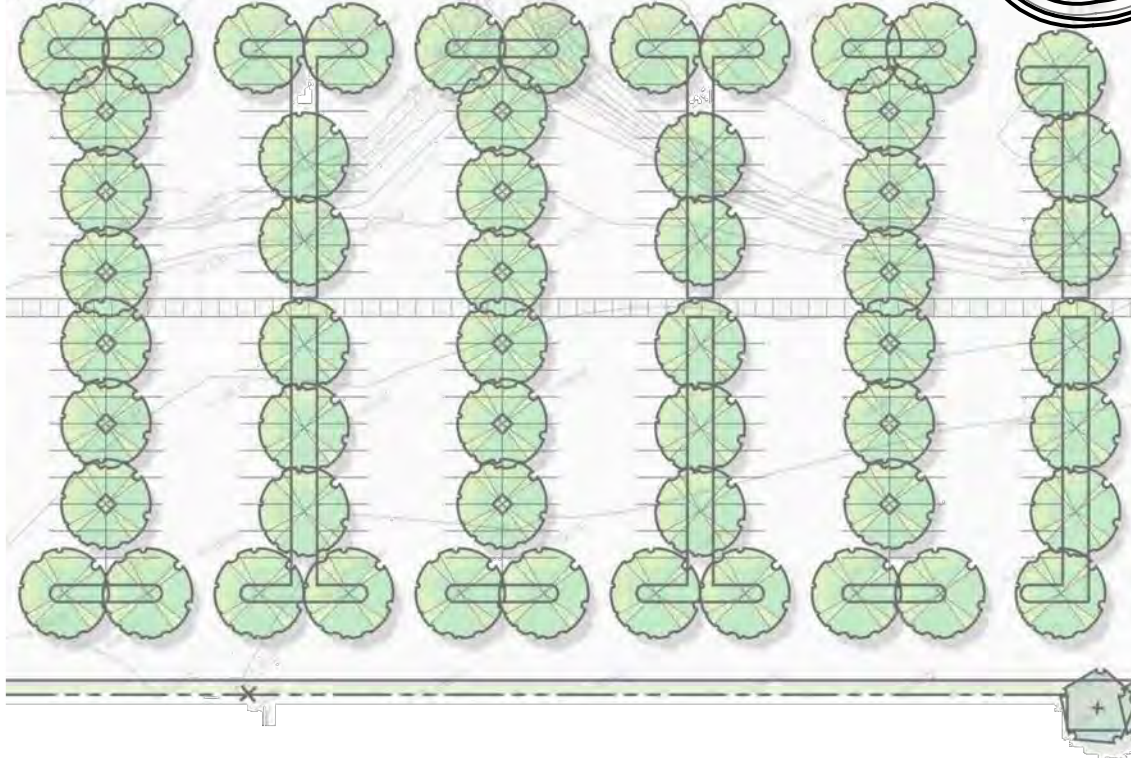
WARD MONIKY / MANJANICA	L	1 GAL	1		1" O.C. 5 SPACING
ONYX YANKEE POST CA LILAC	L	1 GAL	1		1" O.C. 5 SPACING
D'Z MURSTHEAD LAVENDER	L	1 GAL	1		1" O.C. 5 SPACING
DIAMOND / LINGER FLOWER	L	1 GAL	1		1" O.C. 5 SPACING
LAPEL HEAVENLY BAMBOO	L	1 GAL	1		1" O.C. 5 SPACING
DEEP FLAX	L	1 GAL	1		1" O.C. 5 SPACING
DEEN MAORI MAIDEN FLAX	L	1 GAL	1		1" O.C. 5 SPACING
PSTICK SAGE	L	1 GAL	1		1" O.C. 5 SPACING

PERENNIALS					
RAID CARPET / PROSTRATE MANJANICA	L	1 GAL	1		1" O.C. 5 SPACING
NE CREEPING BARBERS	L	1 GAL	1		1" O.C. 5 SPACING
SPESQUE	L	1 GAL	1		1" O.C. 5 SPACING
DES	L	1 GAL	1		1" O.C. 5 SPACING
157 GERMANICER	L	1 GAL	1		1" O.C. 5 SPACING

PROVED PLANT MATERIALS THESE PLANTS
ARE THE RENOVATED STREET LANDSCAPE

EXISTING TREE TO REMAIN AND BE
PROTECTED TYPICAL
EXISTING TREE TO BE REMOVED TYPICAL

US PARKING



FT-PUMPER

	feet
Width	: 8.20
Track	: 8.20
Lock to Lock Time	: 6.0
Steering Angle	: 26.4