APPENDIX H PHASE I ENVIRONMENTAL SITE ASSESSMENT

PHASE I ENVIRONMENTAL SITE ASSESSMENT

JULY 2012

ANTIOCH ANNEX AREA 2B Antioch, California

For: CirclePoint Oakland, California

12307-00.01908

5900 Hollis Street, Suite D • Emeryville, California 94608 • (510) 420-8686

Baselin E ENVIRONMENTAL CONSULTING

10 July 2012 12307-00.01908

Mr. John Cook CirclePoint 1814 Franklin Street, Suite 1000 Oakland, California 94612

Subject: Phase I Environmental Site Assessment, Antioch Annex Area 2B, Antioch, Contra Costa County, California

Dear Mr. Cook:

Please find enclosed our report documenting the activities and findings of a Phase I Environmental Site Assessment performed for proposed Antioch Annex Area 2B located in Antioch, Contra Costa County, California. If you have any questions or comments, please contact us at your convenience.

CHERI Y. PAGE No. 5288

Sincerely,

Cheri Page Senior Geologist

Professional Geologist

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CP:YN:km

Enclosure

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

Antioch Annex Area 2B, Antioch, California

EXECUTIVE SUMMARY

This report presents the activities and findings of a Phase I Environmental Site Assessment ("Phase I ESA") performed by BASELINE Environmental Consulting ("BASELINE") for the Antioch Annex Area 2B property located in Antioch, California ("Site").

The Phase I ESA was performed for CirclePoint on behalf of the City of Antioch in general accordance with *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM International, Method E1527-05. ASTM Method E1527-05 includes provisions designed to meet the requirements of the U.S. Environmental Protection Agency's All Appropriate Inquiry contained in Title 40 of the Code of Federal Regulations Part 312.

The purpose of the Phase I ESA was to determine whether recognized environmental conditions ("RECs") were present at the Site based on current and/or previous land uses, with a focus on identifying sources of chemicals to on-site soil that may be encountered during future utility construction. The scope of work for the Phase I ESA included: 1) a review of historical land use information, including historical topographic maps, aerial photographs, and city directories provided by Environmental Data Resources, Inc. ("EDR"); 2) a review of environmental records from local, state, and federal sources; and 3) a reconnaissance of the Site.

FINDINGS WITHIN THE SITE

- A review of historical land use records identified a cemetery at the Site as early as 1908, the first developed use identified at the Site. Use of the property as a cemetery could have resulted in groundwater contamination due to increased concentrations of naturally occurring organic and inorganic substances and the potential presence of embalming chemicals associated with the presence of human remains. Therefore, the presence of the cemetery is considered an REC for the Site.
- Historical records revealed the Site, with the exception of the cemetery, was used for agricultural purposes until the 1930s and 1940s when residences were constructed along Trembath Lane, Viera Avenue, and Vine Lane. Two commercial uses of the Site were revealed by the historical records. Silva's Memorials was present since at least 1993, and a garden center was present since at least 1994 at the current location of Morgan's Home and Garden Center.
- Local, state, or federal environmental database records identified three properties on the Site. The Almond Orchard at 2101 East 18th Street was evaluated under the jurisdiction of

the California Department of Toxic Substances Control; no chemicals were reported related to historical operations and no further action was required, and the property was certified for future residential use. The Holy Cross Cemetery was listed with an underground storage tank ("UST"), and no release had been reported. The Lauritzen Yacht Harbor/Lloyd's Holiday Harbor was reported with a release of gasoline to soil from a UST, and the case has been closed indicating that remediation was completed or not required. Though this property was mapped within the Site boundaries by EDR and Geotracker, poor address information was provided and the property may not be within the Site boundaries. None of these properties is considered to be an REC based on the regulatory record.

• Observations made during reconnaissance of the Site did not identify any evidence of hazardous material use or release on the Site with the following exceptions: 1) hazardous materials may be present in the cemetery in the form of embalming chemicals; 2) overhead high-voltage electrical power lines cross the Site and power line towers are present on the Site, and 3) asbestos and lead are likely to be present in many of the Site buildings constructed prior to 1980. The presence of the cemetery is considered an REC for the Site, as previously stated. The power lines are considered an REC with regard to the Site due to the age of the power lines and the potential presence of transformers containing polychlorinated biphenyls ("PCBs"). The likely presence of asbestos and lead is not considered an REC for the Site because they are not present under conditions that indicate an existing, past, or material threat of a release to the Site.

FINDINGS WITHIN ONE-QUARTER MILE OF THE SITE

- Historical land use records identified commercial and industrial uses in the vicinity of the Site as early as 1908. Land uses potentially associated with hazardous materials identified in surrounding areas included two cemeteries south and southeast of the Site, industrial buildings associated with a paper mill approximately 650 feet north and 1,300 feet northwest of the Site, an industrial lot associated with the paper mill adjacent and northeast of the Site, and the Antioch Industrial Park buildings located adjacent and north of the Site.
- Local, state, and federal environmental records identified 13 properties with known hazardous materials use within one-quarter mile of the Site. Only five of these properties were reported with a hazardous materials release and only one of those properties was listed as under active regulatory oversight; that property is not adjacent to the Site and is located downgradient of the Site. This release is not considered likely to affect conditions at the Site based on distance from the Site and hydrogeologic conditions. The other four properties reported with a hazardous materials release have been closed or no further action is required by the regulatory agency, indicating remediation has been completed or was not required. Therefore, none of these properties is considered an REC with regard to the Site.
- No evidence of hazardous materials release was observed at the adjoining properties based on observations made from public rights-of-way. However, hazardous materials use was identified due to the presence of construction equipment at three properties southeast of the Site, and vehicle and equipment storage and maintenance north of the Site in the Antioch

Industrial Park and a paving company, also north of the Site. Herbicides may be used near the railroad tracks adjacent to the northern Site boundary. These properties are not considered an REC with regard to the Site due to the absence of evidence of a release.

• The cemeteries south and upgradient of the Site (New Holy Cross Cemetery and Oak View Memorial Park) could have resulted in groundwater contamination due to increased concentrations of naturally occurring organic and inorganic substances and the potential presence of embalming chemicals associated with the presence of human remains. These properties are considered an REC with regard to the Site because they constitute a material threat of a release of chemicals to groundwater below the Site.

CONCLUSIONS

BASELINE has performed a Phase I ESA in general conformance with the scope and limitations of ASTM Standard E1527-05 for the Antioch Annex Area 2B property located in Antioch, California. Any exceptions to or deviations from this standard is described in Section 6 of this report.

This Phase I ESA has revealed evidence of four RECs potentially affecting the Site. These RECs were identified because they constitute a material threat of a release of hazardous substances to Site soil or groundwater: 1) the Holy Cross Cemetery on the Site; 2) the New Holy Cross Cemetery off-site and south of the Holy Cross Cemetery at 2200 East 18th Street; 3) the Oak View Memorial Park south of the Site at 2500 East 18th Street, and 4) the presence of power lines crossing the Site and power line towers on the Site. Additional investigation would be required to evaluate if these known or potential sources of hazardous substances have affected soil or groundwater in the sub-surface of the Site.

RECOMMENDATIONS

Based on the findings of the Phase I ESA, BASELINE recommends additional investigation of soil at the Site if utility construction is planned adjacent to the cemetery or below power lines or towers on the Site. Soil samples should be collected and analyzed for formaldehyde and arsenic near the cemetery, and for PCBs below the power lines to evaluate if these Contaminants of Concern present a risk to human health.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Antioch Annex Area 2B Antioch, California

1. INTRODUCTION

This report presents the activities and findings of a Phase I Environmental Site Assessment ("Phase I ESA") performed by BASELINE Environmental Consulting ("BASELINE") for the proposed Antioch Annex Area 2B property located in Antioch, California ("Site") (Figure 1).

The Site is owned by Contra Costa County and is an irregularly- shaped mixed-use area up to approximately 0.7 miles in length (Figure 2). Current Site uses include residences, commercial properties, and a graveyard. The City of Antioch is proposing to annex several areas including the Site, and requested this Phase I ESA to support future utility infrastructure development plans for Annex Area 2B (Figure 1).

The Phase I ESA was performed in accordance with *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM International, Method E1527-05. ASTM Method E1527-05 includes provisions designed to meet the requirements of the U.S. Environmental Protection Agency's All Appropriate Inquiry contained in Title 40 of the Code of Federal Regulations Part 312.

The purpose of the Phase I ESA was to determine whether recognized environmental conditions ("RECs") were present at the Site based on current and/or previous land uses, with a focus on identifying sources of chemicals to onsite soil that may be encountered during future utility construction. The scope of work for the Phase I ESA included: 1) a review of historical land use information, including historical topographic maps, aerial photographs, and city directories provided by Environmental Data Resources, Inc. ("EDR"); 2) a review of environmental records from local, state, and federal sources; and 3) a reconnaissance of the Site.

2. SITE DESCRIPTION

The Site consists of many contiguous parcels in Contra Costa County that are almost completely surrounded by City of Antioch property. Current Site uses include residences, commercial properties, and a graveyard. The Site is bordered primarily by East 18th Street to the south, and includes parcels on Viera Avenue, Wymore Way, Saint Claire Drive, Trembath Lane, and

¹ RECs are defined in ASTM E1527-05 as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property." According to ASTM E1527-05, the term "REC" is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental authorities.

multiple smaller streets east of Viera Avenue. Railroad tracks are present at the northern Site boundary east of Viera Avenue.

The Site is located in the gently sloping flood plain approximately one-half mile south of the San Joaquin River, and has an elevation of approximately 40 feet above sea level (EDR, 2012). Topography regionally slopes gently toward the northwest, toward the San Joaquin River. The nearest surface water body to the Site, an unnamed creek flowing northwest into Lake Alhambra, is located approximately 250 feet southwest of the Site. Groundwater flow direction is expected to be to the northwest based on surface topography and groundwater investigation results from an adjacent property.²

3. HISTORICAL LAND USES

Historical land uses at the Site and surrounding areas were evaluated to assess potential sources of hazardous materials that could affect soil or groundwater quality beneath the Site. Historical land uses in the vicinity of the Site were determined through review of topographic maps and aerial photographs from 1908 through 2006. Information obtained from these land use records was supplemented by requesting city directory information from 1985 through 2010. Historical fire insurance maps were not available for the Site. Historical land use records reviewed for this Phase I ESA are summarized in Table 1 and included in Appendix A.

3.1. Site

The Site was undeveloped in 1908 with the exception of the Holy Cross Cemetery (Property 3 on Figure 2). The 1939 aerial photograph shows that the entire Site, with the exception of the cemetery, was used as an orchard and one or two homes had been constructed along Trembath Lane. By 1949 Viera Avenue and Vine Lane had been built, and some residences and infill roads had been constructed northeast of their intersection. By 1953 more residences had been built east of Viera Avenue, row crops replaced the orchards in that area, and power lines had been installed north and east of the cemetery. Residences were constructed along St. Claire Drive by 1968, and the row crops east of Viera Avenue had been replaced by additional residential infill by 1978. Residential development along Trembath Lane, St. Claire Drive, and north of Vine Lane increased in the 1990s, and removal of the orchard trees continued. By 2005 and 2006 the last of the orchard trees north and west of the cemetery had been removed, and the parcel at the southeast corner of the Site (Morgan's Home and Garden Center) was in use for commercial purposes.

City directory records from 2010 listed the following commercial uses of the property:

• Catholic Cemeteries Diocese of Oakland, 2200 Athens Lane (based on the Site reconnaissance, the Holy Cross Cemetery is located on-site, and the New Holy Cross Cemetery is located south of and adjacent to the property);

² PES Environmental , Inc., 2011, Final Removal Action Work Plan, PCE Groundwater Plume, East Mill, Former Gaylord Container Corporation Facility, Antioch, California, 27 October.

- Silva's Memorials and Silva's Storage, 2201 Athens Lane (based on the Site reconnaissance, this property is located at the northeast corner of East 18th Street and Wymore Way);
- Bridgehead Café and Bridgehead Cycles, 2415 Viera Avenue;
- Morgan's Home and Garden Center, 2555 Viera Avenue.

City directory records from 2004 listed Bostok Roofing at 2401 Viera Avenue. In 1994, Final Touch Wood was listed with the Antioch Monument Company at 2201 East 18th Street, which appears to be the same location listed as 2201 Athens Lane in 2010. Morgan's Home and Garden Center was listed as All Season Garden in 1994, and Hertz rental and masonry supply businesses were also listed at that location. No other commercial uses of the Site were identified through the city directory listings.

3.2. Surrounding Areas and Adjacent Properties

In 1908, the town of Antioch was located approximately 1.5 miles northwest of the Site. The area surrounding the Site was undeveloped and surrounded by orchards with the exception of the railroad tracks at the northern Site boundary, and a cemetery adjacent to and southeast of the Site. This cemetery was identified as the Community Cemetery in 1953 and 1968, and the Oak View Memorial Park in 1978.

By 1949 industrial buildings were present approximately 650 feet north of the Site (Site No. 14 on Figure 2 and Table 2). This property was identified by EDR as the Gaylord Container Company East Mill facility that manufactured paper. By 1953 additional buildings had been constructed at the paper mill facility, and five oil tanks were present east of the paper mill facility approximately 2000 feet northeast of the Site.

By 1959 the large rectangular building at 2100-2300 Wilbur Lane (Building B of the Antioch Industrial Park) had been constructed. Industrial land uses north of the Site and especially north of the railroad tracks expanded, including development in the Gaylord Container Company West Mill facility area, approximately 1,300 feet north of the Site (Property 15 on Figure 2 and Table 2).

By 1965 the property adjacent to the northern Site boundary, north of the railroad tracks and east of Viera Avenue (Property 10 on Figure 2 and Table 2), had been disturbed and appeared to be used to park cars associated with the paper mill facility to the north. The east and west paper mill facilities continued to develop, and by 1971 several industrial waste ponds were present north of Wilbur Avenue on the east and west paper mill facility properties, approximately 2,000 feet or more north of the Site. These ponds were not apparent in the 1998 photograph, and may have been backfilled.

An aboveground storage tank was installed approximately 300 feet northeast of the Site by 1984, and was removed by 2005 (Property 10 on Figure 2 and Table 2). Residential subdivisions had been constructed northwest, west, and southwest of the Site by 1984.

Two parcels southeast of the Site, (Properties 7 and 8 on Figure 2 and Table 2) were used for commercial purposes by 1993. By 2005, the Cornerstone Christian School had been built adjacent to the Site, west of St. Claire Drive and north of East 18th Street.

4. ENVIRONMENTAL DATABASE REVIEW

BASELINE contacted EDR, a third-party vendor specializing in retrieval of environmental records, to conduct a search of environmental records from federal, state, and local databases pertaining to past and present hazardous materials uses and/or releases at the Site and on properties within the search distance specified by the ASTM Standard.³ Geotracker, the State Water Resources Control Board's web-based database of sites that impact or have the potential to impact groundwater, was also reviewed.⁴ For the purposes of this Phase I ESA, selected sites with known hazardous materials uses and/or releases identified by EDR or listed by Geotracker were evaluated to assess whether they could potentially affect conditions at the Site. All sites listed by EDR within one-quarter mile of the Site were evaluated. Factors used to assess a site's potential effect included: distance from the Site, known or presumed direction of groundwater flow, and type and magnitude of release.

Sixteen sites associated with hazardous materials uses and/or releases were evaluated within one-quarter mile of the Site (Figure 2 and Table 2). Three of these properties were located within the Site boundaries (Properties 1 through 3). Nine of the sixteen properties were adjacent to or upgradient of the Site (Properties 4, 5, 6, 7, 8, 9, 10, 11, and 12). These twelve properties are discussed below. The other four properties were not adjacent to or upgradient of the Site, and therefore are not expected to present an environmental risk to soil or groundwater at the Site (Properties 13, 14, 15, and 16). Details regarding regulatory status for these four properties are presented on Table 2. The environmental database report is included in Appendix B.

4.1. Properties within the Site Associated with Hazardous Materials Use and/or Release

Three properties were identified by EDR within the Site on databases associated with hazardous materials use (Properties 1 through 3). One of those properties, Lauritzen Yacht Harbor/Lloyd's Holiday Harbor, was listed with a hazardous materials release (Property 3).

4.1.1. Property 1, Almond Orchard, 2101 East 18th Street

Property 1 is located within the Site and includes an irregular area west of Wymore Way, east of St. Claire Drive, and north of the Holy Cross Cemetery. The former southern almond orchard is one of nine sites investigated by Gaylord Container Corporation under oversight by the California Department of Toxic Substances Control ("DTSC"). A Preliminary Endangerment Assessment Report ("PEA") was completed in April 2005. Soil samples were collected in January and August 2004 which found that all metals, dioxins/furans, polycyclic aromatic

³ EDR, 2012, *The EDR Radius Map Report with Geocheck, Antioch Annex Area 2B, 2200 East 18th Street, Antioch, CA 94509*, Inquiry Number: 3346200.2s, 18 June.

⁴ State Water Resources Control Board, 2011, Geotracker website. Accessed online at http://geotracker.waterboards.ca.gov/ on 25 June 2012.

hydrocarbons, pesticides, and herbicides were either not detected or were detected at concentrations below residential screening goals. There were no chemicals present in soil that were related to historical operations. The risk evaluation determined that risks from chemicals in soil did not exceed the de minimis risk level under a single family residential use scenario. Therefore, the DTSC determined that no further action was required. No restrictions were required by the DTSC on future land use. A Certificate of Completion was issued in June 2005. A DTSC fact sheets summarizing this property status are included in Appendix C.^{5,6}

4.1.2. Property 2, Holy Cross Cemetery, 2200 East 18th Street

Property 2 is located within the Site near the northeast intersection of Wymore Way and East 18th Street. The Holy Cross Cemetery is listed as having an historic underground storage tank ("UST") for gasoline which was installed in 1979. The Contra Costa County Site List indicated the facility is a hazardous waste generator with a hazardous materials management plan. No unauthorized release has been reported.

4.1.3. Property 3, Lauritzen Yacht Harbor/Lloyd's Holiday Harbor, Route 1

Property 3, consisting of two facilities, was located by EDR and Geotracker on Vine Lane just east of Viera Avenue; however, these facilities were not observed during the field visit, and Route 1 was not identified on or near the Site. Additionally, these facilities were listed on EDR's Orphan Summary, indicating the address information was poor or inadequate. Therefore, these facilities may not be located within the Site. The facilities were reported with a leaking UST for gasoline. The release reportedly affected soil only. The case was opened in December 1987 and closed in December 1997, indicating remediation had been completed or was not required.

4.2. Properties Adjacent to or within One-Quarter Mile Upgradient of the Site and Associated with Hazardous Materials Use and/or Release

Nine properties were identified adjacent to or upgradient of the Site by EDR on databases associated with hazardous materials use and/or release (Properties 4, 5, 6, 7, 8, 9, 10, 11, and 12). Two of those properties were listed with a hazardous materials release; these properties have been closed or no further action is required by the regulatory agency (Properties 10 and 11).

4.2.1. Property 4, James River Corporation, 2200 Wymore Way

Property 4 is located north of the Site and west of Wymore Way. According to a sign at the northwest intersection of Wymore Way and East 18th Street (Figure 3B, Photograph 3), Buildings C and D of the Antioch Industrial Park both have the address of 2200 Wymore Way. This facility was listed by EDR as a hazardous waste generator with a hazardous materials management plan and an aboveground storage tank. The facility has had an inactive status since

⁵ California Department of Toxic Substances Control ("DTSC"), 2005, *Public Involvement Fact Sheet, Cleanup Status at Nine Gaylord Container Corporation Sites*, August. Website accessed 6 July 2012 at http://dtsc.ca.gov/HazardousWaste/Projects/Gaylord Container.cfm

⁶ California Department of Toxic Substances Control ("DTSC"), 2005, *Public Involvement Fact Sheet, DTSC Completes Preliminary Endangerment Assessments for Gaylord Container Corporation*, April. Website accessed 6 July 2012 at http://dtsc.ca.gov/HazardousWaste/Projects/Gaylord Container.cfm

June 1997, and no release was reported. Therefore, this property is not expected to present an environmental risk to the Site.

4.2.2. Property 5, Evangelho Residence, 1840 East 18th Street

Property 5 was located adjacent to and south of the Site in the upgradient direction by EDR. A UST at this property was listed as inactive as of March 2004, and no release has been reported.

4.2.3. Property 6, Oak View Memorial Park, 2500 East 18th Street

Oakview Memorial Park is located adjacent to and southeast of the Site in the upgradient direction. A UST at this property was listed as inactive since 1987, and no release has been reported.

4.2.4. Property 7, Wayne Swisher Cement Contractor, 2620 East 18th Street

Property 7 is located approximately 150 feet southeast of the Site in the upgradient direction. This cement contractor site was listed with six USTs for gasoline, four USTs for diesel, one UST for waste oil, and one 2,000-gallon aboveground tank for an unknown substance. Oil/water separation sludge was discharged to the sewer under a National Pollutant Discharge Elimination System ("NPDES") permit. Organic solids, waste oil, unspecified solvent mixture, and hydrocarbon solvents were disposed of off-site under a hazardous waste manifest in 2009 and 2010. No violations or unauthorized release was reported.

4.2.5. Property 8, Clyde Price et.al., 2800 East 18th Street

Property 8 is located approximately 800 feet southeast of the Site in the upgradient direction. Three USTs for diesel and two USTs for gasoline were listed at this property. No release was reported.

4.2.6. Property 9, William McCullough Co., 2625 East 18th Street

Property 9 is located adjacent to and at the southeast corner of the Site. This property was listed with six USTs for gasoline, four USTs for diesel, one UST for waste oil, and one 2,000-gallon aboveground tank for an unknown substance. Oil/water separation sludge was discharged to the sewer under an NPDES permit. Organic solids, waste oil, unspecified solvent mixture, and hydrocarbon solvents were disposed of off-site under a hazardous waste manifest in 2009 and 2010. No violations or unauthorized releases were reported. This listing appears to be the same as that for Wayne Swisher Cement Contractor at 2620 18th Street. However, this property was listed as inactive as of August 2011.

4.2.7. Property 10, Industrial Lot with Railroad Siding, 2600 Wilbur Avenue

Property 10 is located adjacent to the northeast corner of the Site, north of the railroad tracks. This property was previously used for paper manufacturing. A Voluntary Cleanup Agreement was signed in 2003 with Gaylord Container Corporation, d/b/a Inland Paperboard and Packaging, Antioch Mill. A public Participation Plan was approved for the nine Gaylord Mill and Non-Mill properties, including this industrial lot, in October 2004. An initial soil investigation was conducted in July 2003, and a supplemental soil and groundwater investigation was conducted in August 2004. A PEA was completed in February 2005 under the oversight of the DTSC. The PEA did not identify any unacceptable risks to human health and the environment. In accordance

with the Site Designation Requirements, the site was certified, and no further action was required as of March 2006.⁷

4.2.8. Property 11, Antioch Paving, 2540 Wilbur Avenue

Property 11 is located adjacent to the Site, at the northeast corner of Viera Avenue and the railroad tracks. Four USTs for diesel and three USTs for gasoline were reported on-site. A leaking UST released hydrocarbons to soil only, and groundwater was not affected. The case was closed as of February 2000. Unspecified oil-containing waste was disposed of off-site under a hazardous waste manifest from 2003 to 2010. No violations were reported.

4.2.9. Property 12, JBA Companies, Inc., 2400 Wilbur Avenue

Property 12 is located adjacent to the Site, at the northwest corner of Viera Avenue and the railroad tracks. This facility had an aboveground tank and a hazardous materials management plan which were inactive as of September 2007. No releases were reported.

4.3. Orphan Sites

The EDR report included an orphan summary (Appendix B) listing properties or facilities with known hazardous materials use and release, but with poor or inadequate address information. These properties could affect conditions at the Site depending on the orphan properties' location and nature of contamination. The orphan properties were evaluated to determine whether they could be proximate to the Site and potentially affect conditions at the Site.

Six orphan properties were listed by EDR in Antioch with corresponding address and database information. Two of the properties, Lauritzen Yacht Harbor and Lloyd's Holiday Harbor, were the only properties identified as potentially located within one-quarter mile of the Site. These properties are discussed in Section 4.1.3. The other four properties are not considered to have a potential effect on the Site.

5. CURRENT LAND USES AND SITE RECONNAISSANCE

A BASELINE professional geologist conducted a visual reconnaissance of the Site on 4 July 2012. The reconnaissance of the Site was conducted to document current land use and evidence of storage, generation, release, and disposal of hazardous materials at the Site and adjoining properties. Observations on adjoining properties were made from public rights-of-way. Photographs taken during the reconnaissance of the Site are shown on Figures 3A through 3G. Observations made during the Site reconnaissance are described below.

5.1. Site Reconnaissance

The Site was primarily developed as semi-rural to suburban single-family homes constructed from approximately the 1940s until the present. Commercial uses of the Site were located primarily along East 18th Street and Wymore Way. Current commercial uses of the property included the following:

⁷ California Department of Toxic Substances Control ("DTSC"), 2005, op cit.

- Silva's Memorials and storage yard at the northeast corner of East 18th Street and Wymore Way. Silva's Memorials, a gravestone supply business, was a small, one-story building with some stone storage adjacent to the building. Silva's storage yard, a long, fenced area along the east side of Wymore Way, was vacant at the time of the Site reconnaissance (Figure 3C, Photograph 5). Historical aerial photographs and the current Google Maps aerial photograph show this storage area was in use from at least 1993 until very recently. An overgrown, paved parking area present west of Wymore Way may have been in use in the past by Silva's Memorials (Figure 3B, Photograph 4).
- Holy Cross Cemetery at 2200 East 18th Street. Gravestones indicated the cemetery has been in use from the late nineteenth century until the present (Figure 3C, Photograph 6).
- Bridgehead Café at 2415 East 18th Street. Bridgehead Café was a small café with an asphalt parking lot.
- Morgan's Home and Garden Center at 2555 Viera Avenue. Morgan's Home and Garden Center was a landscape supply company with multiple large bins of soil and gravel. Small front-loaders and several large trucks were present on the property (Figure 3D, Photographs 7 and 8).

One former commercial use of the Site was observed during the Site reconnaissance. A neighbor reported that a vacant commercial building at 1633 Viera Avenue was a former grocery store.

Evidence of subsurface vaults was observed on the Silva's storage area (Figure 3C, Photograph 5), the Southern Almond Orchard (Figure 3A, Photographs 1 and 2), and the property at the southeast corner of Viera Avenue and the railroad tracks (Figure 3E, Photograph 9). The purpose of the vaults is not known.

No evidence of hazardous materials use, storage, or release was observed on the Site with the following exceptions.

- Asbestos and lead are likely to be present in many of the Site buildings. Destruction or remodeling of buildings constructed prior to 1980 has the potential to release lead particles or asbestos fibers to the air, where they may be inhaled by construction workers and the general public.
- Hazardous materials may be present in the cemetery in the form of embalming chemicals potentially used to preserve the human remains. In addition, the concentration of human remains, which are composed of naturally-occurring organic and inorganic compounds, in a relatively small area may represent a potential source of groundwater contamination.
- Overhead high-voltage electrical power lines cross the property in multiple locations. Power line towers are present on-site at the northwest intersection of Viera Avenue and East 18th Street. The age of the power lines is not known. Polychlorinated biphenyls

("PCBs") may be present in transformers produced before 1979.⁸ Although the Site was not listed on the PCB Activity Database System list or PCB Transformer Registration Database as reported by EDR, historical records indicated power lines were installed north and east of the cemetery by 1953. Therefore, there may have been some historical use of PCBs in transformers on the Site.

5.2. Properties Adjoining the Site

The Site is bordered to the west and south primarily by residential properties with the following exceptions. The Cornerstone Christian School borders the southern Site boundary west of St. Claire Drive and north of East 18th Street. The New Holy Cross and Oak View Memorial Park cemeteries border the southern Site boundary south of East 18th Street and east of Wymore Way.

Commercial properties present southeast of the Site included Wayne Swisher Cement Contractor, Inc. (Property 7 on Figure 2) and William McCullough Company (Property 9). Both of these properties stored construction equipment. Property 9 stored rows of large earth-moving equipment along the southeastern Site boundary (Figure 3F, Photograph 11).

Agricultural land was present directly east of the Site, and railroad tracks formed the northern Site boundary in the Viera Avenue area. Utility pipelines containing oxygen, nitrogen, and natural gas appeared to be present within the railroad right-of-way at this property boundary (Figure 3E, Photograph 10). Antioch Paving (Property 11), JBA Companies, Inc. (Property 12) and a vacant lot (Property 10) were present north of the railroad tracks.

A portion of the Antioch Industrial Park formed the northern Site boundary in the Wymore Way area. A sign at the intersection of Wymore Way and East 18th Street listed the occupants of the Antioch Industrial Park (Figure 3B, Photograph 3). The occupants listed for the two buildings closest to the Site, Buildings C and D located west of Wymore Way, were Drill Tech Drilling and Shoring, Inc.; an office; a shop; and Hustler Hydraulics. Stored machinery and parts were observed in this location (Figure 3G, Photograph 13).

B.R. Tow, a car towing company, was located at the northern property boundary east of Wymore Way. Cars in disrepair and car parts were stored on this property. (Figure 3F, Photograph 12).

West of St. Claire Drive residences were present at the northern, western, and southern Site boundaries with one exception. The Cornerstone Christian School was present west of St. Claire Drive and north of East 18th Street.

No evidence of hazardous materials release was observed at the adjoining properties. However, many of these properties store and maintain vehicles and machinery, indicating the use of petroleum products and the possible use of solvents. Based on the absence of vegetation near the railroad tracks adjacent to the northern Site boundary, herbicides may be used in this area.

-9-

⁸ U.S. Environmental Protection Agency, 2012, *Polychlorinated Biphenyls (PCB's), Basic Information*. Accessed online 7/9/12 at http://www.epa.gov/epawaste/hazard/tsd/pcbs/pubs/about.htm

6. ASTM E1527-05 DEVIATIONS

This Phase I ESA deviated from ASTM Standard E1527-05 in the following ways:

- Environmental liens were not researched because the property consists of many parcels. A
 search for environmental liens can be conducted for specific parcels in the future, if
 required or requested.
- Interview and user questionnaires were not conducted or completed for this scope of work
 because an appropriate County of Contra Costa or City of Antioch contact was not
 identified and therefore could not be contacted within the time frame required for
 completion of this assessment.

7. DATA GAPS

The ASTM Standard Method E1527-05 requires the identification of data gaps and a discussion of the significance of the identified data gaps. Information sources with intervals greater than five years between sources from the present to 1940 or the first developed land use, whichever is earlier, can be considered a data gap. In addition, the inability to obtain information required by the ASTM Standard (i.e., site reconnaissance or interview with the owner/key site manager) may constitute a data gap.

Historical land use records for the Site were available from 1908 through 2006 (Table 1 and Appendix A). The first developed use of the Site was identified in 1908. Between 1908 and 2012 (the year when the land use records were searched), historical land use records were not available at intervals equal to or less than five years. Historical records had intervals of up to 21 years. Although this may constitute a data gap, it is not considered significant because the Site land use can reasonably be inferred in the intervening years, based on the historical resources available.

An interview with the owner (Contra Costa County) and a User Questionnaire were not conducted or completed for this scope of work, as discussed in Section 6. The absence of this information constitutes a data gap for this Phase I ESA. No other data gaps were identified from information obtained for this Phase I ESA.

8. FINDINGS

A summary of environmental findings within the Site and within one-quarter mile of the Site are presented below.

8.1. Findings within the Site

• A review of historical land use records identified a cemetery at the Site as early as 1908, the first developed use identified at the Site. Use of the property as a cemetery could have resulted in groundwater contamination due to increased concentrations of naturally occurring organic and inorganic substances and the potential presence of embalming chemicals associated with the presence of human remains. Therefore, the presence of the cemetery is considered an REC for the Site.

- Historical records revealed the Site, with the exception of the cemetery, was used for agricultural purposes until the 1930s and 1940s when residences were constructed along Trembath Lane, Viera Avenue, and Vine Lane. Two commercial uses of the Site were revealed by the historical records. Silva's Memorials was present since at least 1993, and a garden center was present since at least 1994 at the current location of Morgan's Home and Garden Center.
- Local, state, or federal environmental database records identified three properties on the Site. The Almond Orchard at 2101 East 18th Street was evaluated under the jurisdiction of the California Department of Toxic Substances Control; no chemicals were reported related to historical operations and no further action was required, and the property was certified for future residential use. The Holy Cross Cemetery was listed with an underground storage tank ("UST"), and no release had been reported. The Lauritzen Yacht Harbor/Lloyd's Holiday Harbor was reported with a release of gasoline to soil from a UST, and the case has been closed indicating that remediation was completed or not required. Though this property was mapped within the Site boundaries by EDR and Geotracker, poor address information was provided and the property may not be within the Site boundaries. None of these properties is considered to be an REC based on the regulatory record.
- Observations made during reconnaissance of the Site did not identify any evidence of hazardous material use or release on the Site with the following exceptions: 1) hazardous materials may be present in the cemetery in the form of embalming chemicals, 2) overhead high-voltage electrical power lines cross the Site and power line towers are present on the Site, and 3) asbestos and lead are likely to be present in many of the Site buildings constructed prior to 1980. The presence of the cemetery is considered an REC for the Site, as previously stated. The power lines are considered an REC with regard to the Site due to the age of the power lines and the potential presence of transformers containing PCBs. The likely presence of asbestos and lead is not considered an REC for the Site because they are not present under conditions that indicate an existing, past, or material threat of a release to the Site.

8.2. Findings within One-Quarter Mile of the Site

- Historical land use records identified commercial and industrial uses in the vicinity of the
 Site as early as 1908. Land uses potentially associated with hazardous materials identified
 in surrounding areas included two cemeteries south and southeast of the Site, industrial
 buildings associated with a paper mill approximately 650 feet north and 1300 feet
 northwest of the Site, an industrial lot associated with the paper mill adjacent and northeast
 of the Site, and the Antioch Industrial Park buildings located adjacent and north of the Site.
- Local, state, and federal environmental records identified 13 properties with known hazardous materials use within one-quarter mile of the Site. Only five of these properties were reported with a hazardous materials release and only one of those properties was listed as under active regulatory oversight; that property is not adjacent to the Site and is located downgradient of the Site. This release is not considered likely to affect conditions at the Site based on distance from the Site and hydrogeologic conditions. The other four

properties reported with a hazardous materials release have been closed or no further action is required by the regulatory agency, indicating remediation has been completed or was not required. Therefore, none of these properties is considered an REC with regard to the Site.

- No evidence of hazardous materials release was observed at the adjoining properties based on observations made from public rights-of-way. However, hazardous materials use was identified due to the presence of construction equipment at three properties southeast of the Site, and vehicle and equipment storage and maintenance north of the Site in the Antioch Industrial Park and a paving company, also north of the Site. Herbicides may be used near the railroad tracks adjacent to the northern Site boundary. These properties are not considered an REC with regard to the Site due to the absence of evidence of a release.
- The cemeteries south and upgradient of the Site (New Holy Cross Cemetery and Oak View Memorial Park) could have resulted in groundwater contamination due to increased concentrations of naturally occurring organic and inorganic substances and the potential presence of embalming chemicals associated with the presence of human remains. These properties are considered an REC with regard to the Site because they constitute a material threat of a release of chemicals to groundwater below the Site.

9. CONCLUSIONS

BASELINE has performed a Phase I ESA in general conformance with the scope and limitations of ASTM Standard E1527-05 for the Antioch Annex Area 2B property located in Antioch, California. Any exceptions to or deviations from this standard is described in Section 6 of this report.

This Phase I ESA has revealed evidence of four RECs potentially affecting the Site. These RECs were identified because they constitute a material threat of a release of hazardous substances to Site soil or groundwater: 1) the Holy Cross Cemetery on the Site; 2) the New Holy Cross Cemetery offsite and south of the Holy Cross Cemetery at 2200 East 18th Street; 3) the Oak View Memorial Park south of the Site at 2500 East 18th Street, and 4) the presence of power lines crossing the Site and power line towers on the Site. Additional investigation would be required to evaluate if these known or potential sources of hazardous substances have affected soil or groundwater in the sub-surface of the Site.

10. RECOMMENDATIONS

Based on the findings of the Phase I ESA, BASELINE recommends additional investigation of soil at the Site if utility construction is planned adjacent to the cemetery or below power lines or towers on the Site. Soil samples should be collected and analyzed for formaldehyde and arsenic near the cemetery, and for PCBs below the power lines to evaluate if these Contaminants of Concern present a risk to human health.

11. ENVIRONMENTAL PROFESSIONAL STATEMENT

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in 40 CFR Part 312 and we have the specific

qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. The qualifications of the document preparers are provided in Appendix D.

12. LIMITATIONS

This Phase I ESA was performed to provide an understanding of the current environmental conditions at the Site. BASELINE's interpretations and conclusions regarding this information and presented in this report are based on the expertise and experience of BASELINE in conducting similar assessments and current local, state, and federal regulations and standards.

BASELINE's objective is to perform our work with care, exercising the customary thoroughness and competence of earth science, environmental, and engineering consulting professionals, in accordance with the standard for professional services for a consulting firm at the time these services were provided. It is important to recognize that even the most comprehensive scope of services may fail to detect environmental conditions and potential liability at a particular site. Therefore, BASELINE cannot act as insurers and cannot "certify or underwrite" that a site is free of environmental contamination, and no expressed or implied representation or warranty is included or intended in this report except that the work was performed within the limits prescribed with the customary thoroughness and competence of our profession.

The passage of time, manifestation of latent conditions, or occurrence of future events may require further exploration at the Site, analysis of the data, and re-evaluation of the findings, observations, conclusions, and recommendations expressed in this report.

The findings, observations, conclusions, and recommendations expressed by BASELINE in this report are limited by the scope of services and should not be considered an opinion concerning the compliance of any past or current owner or operator of the Site with any federal, state, or local law or regulation. No warranty or guarantee, whether expressed or implied, is made with respect to the data reported or findings, observations, conclusions, and recommendations expressed in this report.

FIGURES





Legend

(5)

Property on Regulatory List or Database See Table 2 for Property Description



Property Under Active Regulatory Oversight See Table 2 for Property Description



Antioch Annex Area 2B

Approximate One-Quarter Mile Radius
Antioch Annex Area 2B

Antioch, California



PHOTOGRAPHS FROM SITE RECONNAISSANCE, Figure 3A 4 July 2012



Photograph 1: Former Almond Orchard Property Looking North.



Photograph 2: Buried Vaults, West Boundary of Former Almond Orchard, Looking North.

PHOTOGRAPHS FROM SITE RECONNAISSANCE, Figure 3B 4 July 2012



Photograph 3: Sign for Antioch Industrial Park at Wymore Way.



Photograph 4: Former Parking Area and Almond Orchard at Wymore Way.

PHOTOGRAPHS FROM SITE RECONNAISSANCE, Figure 3C 4 July 2012



Photograph 5: Underground Vault on Silva's Memorials Storage Yard on Wymore way.



Photograph 6: Holy Cross Cemetery.

PHOTOGRAPHS FROM SITE RECONNAISSANCE, Figure 3D 4 July 2012



Photograph 7: Morgan's Home and Garden Center Looking Northeast.



Photograph 8: Overhead Power Lines near Viera Ave and E. 18th St, Looking Northwest.

Antioch Annex Area 2B Antioch, California

 $B^{\underline{\mathsf{ASELIN}}}E$

PHOTOGRAPHS FROM SITE RECONNAISSANCE, Figure 3E 4 July 2012



Photograph 9: Pipes Buried in Ground at SE corner of Viera and Railroad Tracks.



Photograph 10: Utility Pipes along Railroad Tracks at Viera Avenue and Northern Site Boundary.

Antioch Annex Area 2B Antioch, California

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PHOTOGRAPHS FROM SITE RECONNAISSANCE, Figure 3F 4 July 2012



Photograph 11: Construction Equipment adjacent to Site at 2625 18th St.



Photograph 12: Car Storage at Adjacent Property to North on Wymore Way.

PHOTOGRAPHS FROM SITE RECONNAISSANCE, Figure 3G 4 July 2012



Photograph 13: Equipment Storage on Adjacent Property to North on Wymore Way.

TABLES

TABLE 2: Properties With Known Hazardous Materials Use or Release within One-Quarter Mile of the Site Antioch Annex Area 2B, Antioch, California

| Property Number | EDR Site Number | Property Name | Address | Database | Status and Description | |
|--------------------|--|---|------------------------|---|--|--|
| Properties | Properties Within Project Site Boundaries: | | | | | |
| 1 | 6 | ALMOND ORCHARD | 2101 E. 18TH STREET | ENVIROSTOR, VCP | No Further Action. A Preliminary Endangerment Assessment Report was completed in April 2005. Soil samples were collected in January and August 2004 which found that all metals, dioxans/furans, PAHs, pesticides, and herbicides were either not detected or were detected at concentrations below residential screening goals. The risk evaluation determined that risks from chemicals in soil did not exceed the de minimis risk level under a single family residential use scenario. Therefore, the DTSC determined that no further action was required. | |
| 2 | 1 | HOLY CROSS CEMETERY | 2200 E 18TH ST | CONTRA COSTA CO. SITE LIST, HIST UST, CA FID, NPDES, CA FID UST, SWEEPS UST | No Release Reported. The Holy Cross cemetery is listed as having an historic UST for gasoline which was installed in 1979. The Contra Costa County Site List indicated the facility is a hazardous waste generator with a hazardous materials management plan. | |
| 3 | | LAURITZEN YACHT HARBOR/ LLOYD'S HOLIDAY HARBOR | RTE 1 | HIST CORTESE, LUST, | Case Closed. EDR and Geotracker located this property on Vine Lane just east of Viera Avenue; however, this facility was not observed during the field visit, and Route 1 was not identified on or near the Site. The property had a former leaking underground storage tank for gasoline. The release reportedly affected soil only. The case was opened in December 1987 and closed in December 1997. | |
| Properties | s Outside | of Project Site Boundaries and | Within One-Quarte | r Mile of Project Site: | | |
| 4 | 13 | JAMES RIVER CORP | 2200 WYMORE WAY | CONTRA COSTA CO. SITE LIST, EMI | No Release Reported. This facility was listed as a hazardous waste generator with a hazardous materials management plan and an aboveground storage tank, with an inactive status since June 1997. | |
| 5 | 7 | EVANGELHO RESIDENCE | 1840 18TH ST E | CONTRA COSTA CO. SITE LIST | No release reported. A UST at this site was listed as inactive as of March 2004. No further information was available. | |
| 6 | 5 | OAK VIEW MEMORIAL PARK | 2500 18TH ST E | CONTRA COSTA CO. SITE LIST | No Release Reported. Oakview Memorial Park is listed on the Contra Costa County Site List with a UST that has been inactive since 1987. | |
| 7 | B 11 | WAYNE E SWISHER CEMENT CONTRACTOR INC | 2620 E 18TH ST | CA FID UST, CONTRA COSTA CO SITE LIST, HAZNET, SWEEPS UST | No Unauthorized Release Reported. This cement contractor site was listed with six USTs for gasoline, four USTs for diesel, one UST for waste oil, and one 2000-gallon aboveground tank for an unknown substance. Oil/water separation sludge was discharged to the sewer under an NPDES permit. Organic solids, waste oil, unspecified solvent mixture, and hydrocarbon solvents were disposed of off-site under a hazardous waste manifest in 2009 and 2010. No violations were reported. | |

TABLE 1: Summary of Historical Land Uses at the Site and Surrounding Properties Antioch Annex 2B Antioch, California

| Historical Resource | Site | Surrounding Areas |
|------------------------|---|---|
| 1908 Topographic Map | The Site appeared to be undeveloped with the exception of the cemetery. There was a dirt road leading from the cemetery northeast to Marsh Landing on | The town of Antioch was located approximately 1.5 miles northwest of the Site. There was a cemetery adjacent and southeast of the Site, and the railroad tracks just north of the Site were present. |
| 1918 Topographic Map | the San Joaquin River. No significant changes apparent since | No significant changes apparent since 1908. |
| | 1908. | |
| 1939 Aerial Photograph | The Site, with the exception of the cemetery, was used as an orchard. One or two homes appear to have been constructed along Trembath Lane. | The Site was surrounded by orchards. |
| 1949 Aerial Photograph | Viera Avenue and Vine Lane had been built, and some residential homes and infill roads were present northeast of their intersection. | Industrial buildings were present approximately 650 feet north of the Site at the paper mill property (the future location of the Gaylord Container Corporation East Mill facility). |
| 1953 Topographic Map | West of Viera Avenue (with the exception of the cemetery and a few homes along Trembath Lane) the Site was used as an orchard, and east of Viera Avenue it was used for residences and row crops. The cemetery is labeled "Holy Cross Cemetery". Power lines had been installed north and east of the cemetery. | |
| 1959 Aerial Photograph | No significant changes apparent since 1953. | The Antioch Industrial Park just north of the Site at 2100-2300 Wilbur Lane and 2200 Wymore Way had been constructed. Industrial land uses north of the Site and especially north of the railroad tracks expanded, including development in the "West Mill" portion of the paper mill, approximately 1300 feet north of the Site. |
| 1965 Aerial Photograph | Some additional construction was evident along Trembath Lane. Otherwise, no significant changes were noted since 1959. | The property adjacent to the northern Site boundary, north of the railroad tracks and east of Viera Avenue, had been disturbed and may have been used for industrial purposes. Automobiles appeared to park at this location for the paper mill plant to the north. |
| 1968 Topographic Map | Several residences are shown along St. Claire Drive. Otherwise, no significant changes were noted since 1965. | No significant changes apparent since 1965. |

TABLE 1: Summary of Historical Land Uses at the Site and Surrounding Properties Antioch Annex 2B Antioch, California

| Historical Resource | Site | Surrounding Areas |
|------------------------|--|--|
| 1971 Aerial Photograph | No significant changes since 1968. | The East and West Mill properties to continued to develop. A waste pond was evident in the southeast corner of the East Mill property, approximately 600 feet northeast of the Site. |
| 1978 Topographic Map | Most of the Site east of Viera Avenue is no longer shown as row crops, with residential uses as the primary use. | Industrial waste ponds were present approximately 2000 feet north of the Site. Surrounding land uses to the east, west, and south were agricultural or residential. The "Community Cemetery" had been renamed as the "Oak View Memorial Park". |
| 1984 Aerial Photograph | No significant changes noted since 1978. | Residential subdivisions had been constructed northwest, west and southwest of the Site. An aboveground tank had been installed approximately 300 feet northeast of the Site and north of the railroad tracks. |
| 1993 Aerial Photograph | Residential development along Trembath Lane and St. Claire increased, and the orchard trees were significantly reduced in number. Infill residential development continued east of Viera Avenue, especially north of Vine Lane. Silva's Memorials was present and the storage yard was in use. | Two parcels southeast of the Site near Willow Avenue appear to be used for rural commercial purposes. |
| 1998 Aerial Photograph | Residential infill and removal of trees continued. | No significant changes noted since 1993. |
| 2005 Aerial Photograph | Parcel at southeast corner of the Site, south of the overhead line right-of-way, appeared to be used for rural commercial purposes. | Cornerstone Christian School had been built west of St. Claire Drive and north of East 18th Street, adjacent to the Site. The aboveground storage tank northeast of the Site noted in 1984 had been removed. |
| 2006 Aerial Photograph | Trees had been removed north and west of cemetery. | No significant changes since 2005. |

Notes:

See Figure 2 for Site map.

Historical land use resources are included in Appendix A.

TABLE 2: Properties With Known Hazardous Materials Use or Release within One-Quarter Mile of the Site Antioch Annex Area 2B, Antioch, California

| Property Number | EDR Site Number | Property Name | Address | Database | Status and Description |
|--------------------|--------------------|---|-----------------------|--|--|
| 8 | G28,G29 ,G30 | Clyde Price DBA J Price Trucking, Redding Petroleum Inc., Rhuddan Balnchett | 2800 E 18TH ST | CA FID UST, HAZNET, HWT, SWEEPS UST, RCRA-NonGen, CONTRA COSTA CO. SITE LIST, UST | No release reported. Three USTs for diesel, two USTs for gasoline. |
| 9 | 2 and B9 | WILLIAM G MCCULLOUGH CO | 2625 18TH ST E | CONTRA COSTA CO. SITE LIST, CA FID UST, HAZNET, SWEEPS UST | Inactive, No Unauthorized Release Reported. This property was listed with six USTs for gasoline, four USTs for diesel, one UST for waste oil, and one 2000-gallon aboveground tank for an unknown substance. Oil/water separation sludge was discharged to the sewer under an NPDES permit. Organic solids, waste oil, unspecified solvent mixture, and hydrocarbon solvents were disposed of off-site under a hazardous waste manifest in 2009 and 2010. No violations were reported. This listing appears to be the same as that for Wayne Swisher Cement Contractor at 2620 18th Street. However, this property was listed as inactive as of August 2011. |
| 10 | 111 1/1 | INDUSTRIAL LOT WITH RAILROAD SIDING | 2600 WILBUR AVENUE | ENVIROSTOR, VCP | No Further Action Required. This property was previously used for paper manufacturing. A Voluntary Cleanup Agreement was signed in 2003 with Gaylord Container Corporation, d/b/a Inland Paperboard and Packaging, Antioch Mill. A public Participation Plan was approved for the nine Gaylord Mill and Non-Mill properties, including this industrial lot, in October 2004. An initial soil investigation was conducted in July 2003, and a supplemental soil and groundwater investigation was conducted in August 2004. A PEA was completed in February 2005 under the oversight of the DTSC. The PEA did not identify any unacceptable risks to human health and the environment. In accordance with the Site Designation Requirements, the site was certified, and no further action was required as of March 2006. |
| 11 | 111 15 | ANTIOCH PAVING / Antioch Paving Co. Yard | 2540 WILBUR AVE | CONTRA COSTA CO. SITE LIST, HAZNET, HIST CORTESE, LUST, CA FID UST, SWEEPS UST, HIST UST | Case Closed. Four USTs for diesel and three USTs for gasoline were reported on-site. A leaking UST released hydrocarbons to soil only. The case was closed as of February 2000. Unspecified oil-containing waste was disposed of off-site under a hazardous waste manifest from 2003 to 2010. No violations were reported. |

TABLE 2: Properties With Known Hazardous Materials Use or Release within One-Quarter Mile of the Site Antioch Annex Area 2B, Antioch, California

| Property Number | EDR Site Number | Property Name | Address | Database | Status and Description |
|--------------------|--------------------|--|-----------------|--|--|
| 12 | C 16 | JBA COMPANIES, INC | 2400 WILBUR AVE | CONTRA COSTA CO. SITE LIST | Inactive. A hazardous materials management plan and aboveground tank were listed as inactive as of September 2007 by the Contra Costa County Site List. |
| 13 | C 12 | GENESIS MFG CO | 2275 WILBUR LN | CONTRA COSTA CO. SITE LIST | Inactive, No Release Reported. The Contra Costa County Site List shows this site had an inactive hazardous materials management plan as of November 1994. |
| 14 | 111 12 | GAYLORD CONTAINER CORPORATION-EAST MILL / LOUISIANA PACIFIC CORP SAN JOAQUIN MILL | 2603 WILBUR AVE | ENVIROSTOR, NPDES, SLIC, FINDS, RCRA-SQG | Open-Remediation. A focused Remedial Investigation/ Feasibility Study was approved by the DTSC in August 2004 and a Remedial Action Plan ("RAP") was approved in November 2004 for the Black Liquor Pond area of the site. The pond, an area about 125 by 450 feet, with a maximum depth of 25 feet, was located on the southeast corner of the site. It was used to store black liquor, a byproduct of the paper mill operation, from the early 1950s until about 1970, and was later backfilled with soil and wood chips. Soil samples showed higher than usual amounts of lead, nickel, and dioxans/furans, and contaminants were generally limited to the pond boundaries. The pond was removed in 2004 and 2005 in accordance with the RAP, and the area has been backfilled and revegetated. Site investigations including groundwater sampling continue in accordance with the Remedial Investigation Workplan to determine if further cleanup activities are necessary. Tetrachloroethylene ("PCE") was reported in groundwater, and was limited to the northeast corner of the property, approximately 1300 feet north of the project Site. Groundwater flow direction in the upper and lower groundwater zones is reported to be to the north-northwest, toward the San Joaquin River. A Remedial Action Workplan ("RAW") for the PCE plume was submitted in October 2011. |

TABLE 2: Properties With Known Hazardous Materials Use or Release within One-Quarter Mile of the Site Antioch Annex Area 2B, Antioch, California

| Property Number | EDR Site Number | Property Name | Address | Database | Status and Description |
|--------------------|--------------------|---|-----------------|--|--|
| 15 | H 31 | GAYLORD CONTAINER CORPORATION (WEST MILL)/FORESTAR USA REAL ESTATE GROUP, INC. | 2301 WILBUR AVE | CONTRA COSTA CO. SITE LIST, ENF, ENVIROSTOR, HAZNET, NPDES, VCP, CA FID UST, SWEEPS UST, CERC-NFRAP, PADS, RCRA-SQG, WDS | No Further Investigation Required. The West Mill portion of the Gaylord Container Corporation was a former paper manufacturing mill with a steam power plant, waste treatment tanks, and underground fuel pipelines. A release of polychlorinated biphenols ("PCBs") to soil only was reported; groundwater was not impacted. NPDES permit violations due to metals in effluent to the San Joaquin River were reported from 2001 to 2006. Demolition of West Mill structures was initiated in 2004 under the jurisdiction of the DTSC. The final RAW was approved in 2010, and remediation was completed in December 2010. The Remedial Action Completion Report documenting cleanup of PCBs in soil was submitted to the DTSC on 6/14/2011. The site was cleaned up to unrestricted standards and was certified by the DTSC.No further investigation is required. Hazardous materials disposal permits were issued in 2007 and 2008 for waste oil, mixed oil, and other inorganic solid waste. ³ |
| 16 | II 41 | GWF POWER PLANT - ANTIOCH | | AST, CONTRA COSTA CO SITE LIST, SLIC | No Further Action Required. This site is an active steam electrical power generation facility that produces electricity from combustion of petroleum coke, a byproduct of petroleum refining. A diesel spill from a leak in buried piping was reported in 1992. Groundwater monitoring for diesel was conducted between 1993 and 1998, and additional monitoring and soil sampling was required by the Water Board as of June 2008. Groundwater flow was reported to be to the north, away from the Site. A Water Board letter dated 5/23/2012 indicated no further action was required (Appendix C). |

TABLE 2: Properties With Known Hazardous Materials Use or Release within One-Quarter Mile of the Site Antioch Annex Area 2B, Antioch, California

Notes:

See Figure 2 for property locations.

The EDR Radius Map Report is included in Appendix B.

¹ DTSC, 2004, Fact Sheet, Gaylord Container Corporation Proposes Cleanup at East Mill Site, September. Accessed online 7 July 2012 at http://dtsc.ca.gov/HazardousWaste/Projects/Gaylord_Container.cfm and included in Appendix C.

² PES Environmental, Inc., 2011, op. cit.

³ DTSC, 2010, Fact Sheet, Draft Cleanup Document for the Former Gaylord Container Corporation - West Mill Antioch Site Available for Public Review and Comment, September. Accessed online 9 July 2012 at http://dtsc.ca.gov/HazardousWaste/Projects/Gaylord_Container.cfm and included in Appendix C.

AST = a State Water Resources Control Board database of aboveground petroleum storage tanks.

CA FID UST = a State Water Resources Control Board database of facilities that contain active and inactive underground storage tank locations. The database was last updated in 1994.

CERC-NFRAP = No Further Remedial Action Planned sites; these sites have been archived from the CERCLIS inventory

Contra Costa County Site List = lists includes sites from the Underground Tank Program, Hazardous Waste Generator Program, and Business Plan 12185 Program.

EMI = the California Air Resouces Board "Emissions Inventory Data" of air pollution emissions.

ENF = Enforcement Action Listing, a State Water Resources Control Board listing of enforcement actions.

ENVIROSTOR = a DTSC list of sites that have known contamination or sites for which there may be reasons to investigate further.

FINDS = a comprehensive EPA database ("Facility Index System") listing facilities regulated under a variety of EPA programs.

HAZNET = a DTSC database of sites that generate hazardous waste manifests to track disposal of hazardous waste.

HIST CORTESE = a listing of "hazardous waste and substances sites" designated by the State Water Resources Control Board, the Integrated Waste Board, and the DTSC. This listing is no longer updated.

HIST UST = a State Water Resources Control Board historical database of USTs. The data is from a one-time survey of UST owners, collected before California's regulatory program was implemented.

HWT= Registered Hazardous Waste Transporter database, a DTSC listing of hazardous waste transporters in California.

LUST = state database of leaking petroleum underground storage tank sites.

NPDES = a State Water Resources Control Board listing of sites with NPDES permits for discharge to surface water, including stormwater.

PADS = PCB Activity Database System, an EPA listing of generators, transporters, commercial storers and/or brokers, and disposers of polychlorinated biphenyls ("PCBs").

RCRA SQG - EPA list of small quantity hazardous waste generators who generate between 100 to 1,000 kilograms of hazardous waste per month.

RCRA-NonGen = a federal database of facilities that generate, transport, store, treat, and/or dispose of hazardous waste as defined by RCRA, and do not generate hazardous waste.

SLIC = a database of sites under the State Water Resources Control Board's Spills, Leaks, Investigations, and Cleanup program.

SWEEPS UST = a State Water Resources Control Board database of underground storage tanks. The database was last updated in the early 1980s.

UST = a State Water Resources Control database of sites that contains registered Underground Storage Tanks. The database was last updated in October 2010.

VCP = cleanup of low-threat sites under the DTSC's Voluntary Cleanup Program.

WDS = a State Water Resources Control Board list of all regulated waste discharge facilities.

APPENDICES

APPENDIX A HISTORICAL LAND USE RECORDS

Antioch Annex Area 2B

2200 East 18th Street Antioch, CA 94509

Inquiry Number: 3346200.5

June 27, 2012

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

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.

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Date EDR Searched Historical Sources:

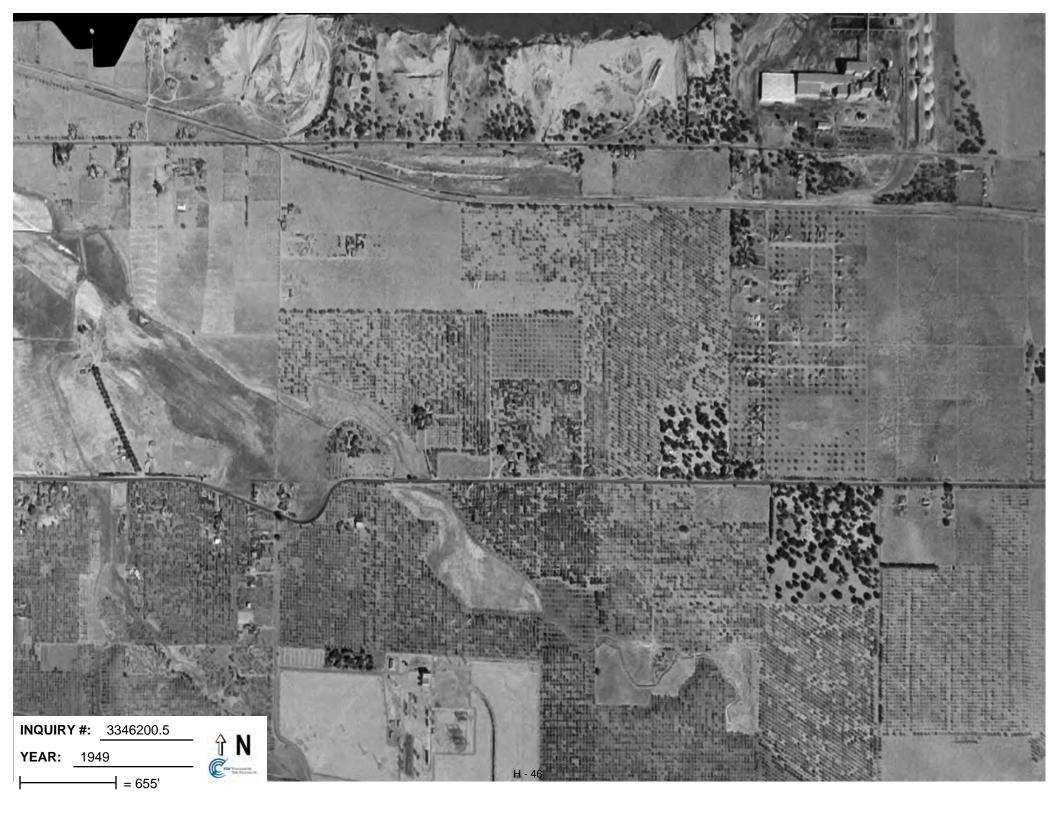
Aerial Photography June 27, 2012

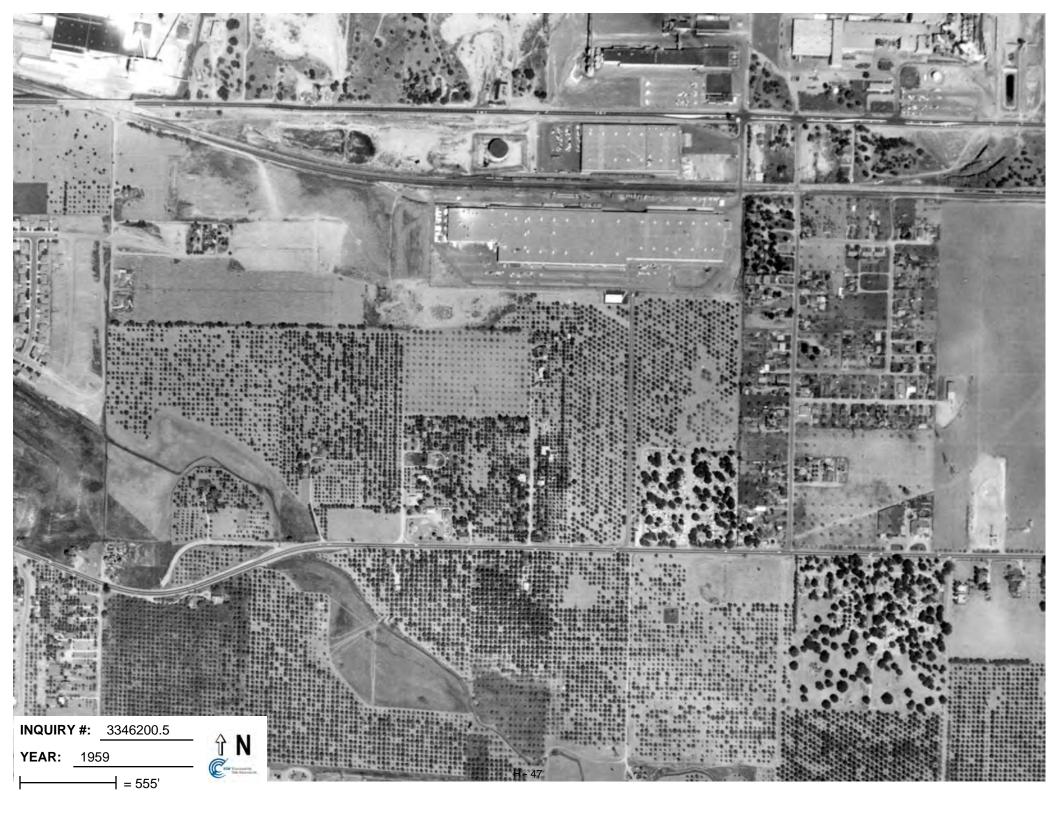
Target Property:

2200 East 18th Street Antioch, CA 94509

| <u>Year</u> | <u>Scale</u> | <u>Details</u> | <u>Source</u> |
|-------------|-----------------------------------|---|---------------|
| 1939 | Aerial Photograph. Scale: 1"=555' | Flight Year: 1939 | Fairchild |
| 1949 | Aerial Photograph. Scale: 1"=655' | Flight Year: 1949 | USGS |
| 1959 | Aerial Photograph. Scale: 1"=555' | Flight Year: 1959 | Cartwright |
| 1965 | Aerial Photograph. Scale: 1"=555' | Flight Year: 1965 | Cartwright |
| 1971 | Aerial Photograph. Scale: 1"=555' | Flight Year: 1971 | Cartwright |
| 1971 | Aerial Photograph. Scale: 1"=555' | Flight Year: 1971 | Cartwright |
| 1993 | Aerial Photograph. Scale: 1"=500' | /Composite DOQQ - acquisition dates: 1993 | EDR |
| 1993 | Aerial Photograph. Scale: 1"=666' | Flight Year: 1993 | USGS |
| 1998 | Aerial Photograph. Scale: 1"=666' | Flight Year: 1998 | USGS |
| 2005 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2005 | EDR |
| 2006 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2006 | EDR |























Antioch Annex Area 2B

2200 East 18th Street Antioch, CA 94509

Inquiry Number: 3346200.6

June 22, 2012

The EDR-City Directory Image Report



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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 Report 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 Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

| <u>Year</u> | Target Street | Cross Street | <u>Source</u> |
|-------------|-------------------------|--------------|------------------------------|
| 2010 | $\overline{\checkmark}$ | | Haines Criss-Cross Directory |
| 2004 | $\overline{\checkmark}$ | | Haines Criss-Cross Directory |
| 1999 | $\overline{\checkmark}$ | | Haines Criss-Cross Directory |
| 1994 | $\overline{\checkmark}$ | | Haines Criss-Cross Directory |
| 1989 | $\overline{\checkmark}$ | | Haines Criss-Cross Directory |
| 1985 | $\overline{\checkmark}$ | | Haines Criss-Cross Directory |
| 1980 | $\overline{\checkmark}$ | | Haines Criss-Cross Directory |
| 1975 | | | Haines Criss-Cross Directory |

RECORD SOURCES

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FINDINGS

TARGET PROPERTY STREET

2200 East 18th Street Antioch, CA 94509

| <u>Year</u> | <u>CD Image</u> | Source | |
|-------------|-----------------|------------------------------|---|
| East 18th | <u>Street</u> | | |
| 2010 | pg A1 | Haines Criss-Cross Directory | |
| 2004 | pg A2 | Haines Criss-Cross Directory | |
| 2004 | pg A3 | Haines Criss-Cross Directory | |
| 1999 | pg A4 | Haines Criss-Cross Directory | |
| 1994 | pg A5 | Haines Criss-Cross Directory | |
| 1989 | pg A6 | Haines Criss-Cross Directory | |
| 1985 | pg A7 | Haines Criss-Cross Directory | |
| 1980 | pg A8 | Haines Criss-Cross Directory | |
| 1975 | - | Haines Criss-Cross Directory | Target and Adjoining not listed in Source |

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street Cross Street

<u>Source</u> Haines Criss-Cross Directory

East 18th Street 2010

| | East four Street | 2010 |
|------|--------------------------------------|----------------|
| X | TREMBATH | LN |
| 1715 | XXXX | 00 |
| 1745 | * CORNERSTONE CHRISTIAN CENTER | 925-779-2000 3 |
| 1820 | BIAS James | 00 |
| 1840 | XXXX | 00 |
| X | HARGROV | EST |
| 1860 | CAMPBELL Kendell | 925-757-0740 |
| X | ST CLAIRE | DR |
| X | ATHENS LI | V |
| 2200 | * CATHOLIC CMTRS DCSE OF OKLND | 925-757-0658 8 |
| 2201 | * SILVA'S MEMORIALS | 925-754-7040 |
| | * SILVA'S STORAGE | 925-754-6429 |
| 2401 | XXXX | 00 |
| X | VIERA AVE | |
| 2415 | * BRIDGEHD CAFE | 925-757-4774 |
| | * BRIDGEHD CYCLES | 925-753-0200 |
| | HARDING Lonnie | 925-777-9092 4 |
| 2500 | * OAK VIEW MONUMENT COMPANY | 925-757-4500 |
| 2555 | MORGAN'S HOME & GARDEN CENTER | 925-755-7600 |
| X | WILLOW A | VE |

Target Street

Cross Street

<u>Source</u>

- Haines Criss-Cross Directory

East 18th Street

2004



Target Street

Cross Street

<u>Source</u>

Haines Criss-Cross Directory

East 18th Street 2004



East 18th Street 1999 1127 * DOMINOS PIZZA 925-779-0303 0 1139 JOHNS BICYCLES 925-757-0321 6 1716 XXXX OO 1820 NAVES Teresa 925-778-6848 +0 1840 EVANGELHO Manuel 925-757-3408 A EVANGELHO Samantha 925-778-3211 8 Sue-2101 XXXX 00 2200 * CATHOLIC 925-757-0658 8 CEMETERIES DIOCESE HOLY CROSS 925-757-0658 CEMETERY ANTIOCH MONUMENT 2201 925-754-7040 3 CO * SILVA'S MEMORIALS 925-754-7040 7 * SILVAS STORAGE 925-754-6429 * BRIDGEHD CAFE 2415 925-757-4774 3 * OAK VIEW MONUMENT 925-757-4500 2500 2555 XXXX 00 2620 * SWISHER W CMNT 925-757-3660 CONT * WAYNE E SWISHER 925-757-3660

Haines Criss-Cross Directory

East 18th Street

1994

| 1127 | * DOMINOS PIZZA | 779-0303 | 0 |
|------|----------------------|----------|----|
| 1139 | XXXX | 00 | |
| 1715 | GONZALES Angie | 778-5338 | 3 |
| | EVANGELHO Manuel | 757-3408 | +4 |
| 2101 | XXXX | 00 | |
| 2200 | *HOLY CROSS CEMETERY | 757-0658 | 8 |
| 2201 | *ANTIOCH MONUMENT CO | 754-7040 | 3 |
| | *FINAL TOUCH WOOD | 777-1632 | +4 |
| 2415 | *BRIDGEHEAD CAFE | 757-4774 | 3 |
| 2500 | *ANTIOCH OAK VIEW | 757-4500 | 8 |
| | *OAK VIEW MONUMENT | 757-4500 | |
| | *OAK VIEW MRL CEMTRY | 757-4500 | |
| 2555 | *ALL SEASON GARDEN | 778-5848 | 0 |
| 777 | *HERTZ PENSKE RENTAL | 778-5325 | 3 |
| | *INTRST MASONRY SPLY | 778-3535 | 0 |
| | *INTRST MASONRY SPLY | 754-6100 | 0 |
| 2620 | *SWISHER W CMNT CONT | 757-3660 | 9 |
| 275 | *WAYNE E SWISHER | 757-3660 | 1 |

Haines Criss-Cross Directory

East 18th Street

1989

| 901 | *LOS MEDNOS RV | 754-2915 8 |
|-------|----------------------|------------|
| 904 | HARRIS T | 754-5545 1 |
| 1006 | XXXX | 00 |
| 1018 | *ANTIOCH K KNNLSAPET | 757-1411 3 |
| 1 200 | *KAEMBOURNE KENNELS | 757-1411 4 |
| 100 | *PRENTICE DONNA D | 757-1411 3 |
| 1101 | *SEVEN 11 FOOD 20039 | 757-5478 0 |
| 2101 | *SAN JOAQUIN CRDT UN | 757-2037+9 |
| | *SAN JOAQUIN CROT UN | 757-4760+9 |
| 2200 | *HOLY CROSS CEMETERY | 757-0658 8 |
| 2500 | *ANTIOCH OAK VIEW | 757-4500 8 |
| | *OAK VIEW MRL CEMTRY | 757-4500+9 |
| 2620 | *SWISHER W CMNT CONT | 757-3660+9 |
| 2625 | XXXX | 00 |
| 2750 | *C R SIGNS | 757-8011+9 |
| | *D L M ROOFING | 778-7059+9 |
| | *HENDERSON M ROOFING | 778-3737+9 |
| | *VINCENTS WRGHT IRON | 778-7980+9 |
| 3120 | *RIVERVIEW MOTEL | 757-3378 7 |

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Target Street

Cross Street

<u>Source</u>

Haines Criss-Cross Directory

East 18th Street

1985

| 901 | TRIANGLE CUSTOM HMS | 754-0688 | 4 |
|------|---------------------|----------|---|
| 904 | HARRIS T | 754-5545 | 1 |
| 1018 | ANTIOCH K KNNLSAPET | 757-1411 | 3 |
| | KAEMBOURNE KENNELS | 757-1411 | 4 |
| | PRENTICE DONNA D | 757-1411 | 3 |
| 1101 | SEVEN 11 FOOD 20039 | 757-5478 | 0 |
| NO # | ANTIOCH MONUMENT CO | 754-7040 | 7 |
| NO # | CROWN ANTIOCH CR UN | 757-6517 | 0 |
| NO # | MELLO MANUEL | 757-0405 | 1 |
| * | 40 BUS 22 RES | 8 NEW | |

Target Street

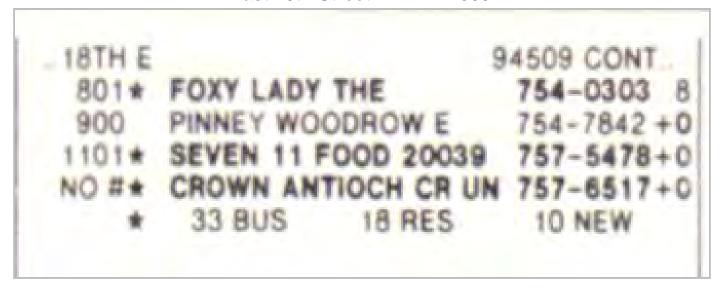
Cross Street

<u>Source</u>

Haines Criss-Cross Directory

East 18th Street

1980



Antioch Annex Area 2B

2200 East 18th Street Antioch, CA 94509

Inquiry Number: 3346200.4

June 18, 2012

EDR Historical Topographic Map Report



EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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TARGET QUAD

NAME: ANTIOCH

MAP YEAR: 1908

SERIES: 15 SCALE: 1:62500 SITE NAME: Antioch Annex Area 2B

ADDRESS: 2200 East 18th Street Antioch, CA 94509

LAT/LONG: 38.006 / -121.7743

CLIENT: Baseline Environmental Cons.





TARGET QUAD

NAME: COLLINSVILLE

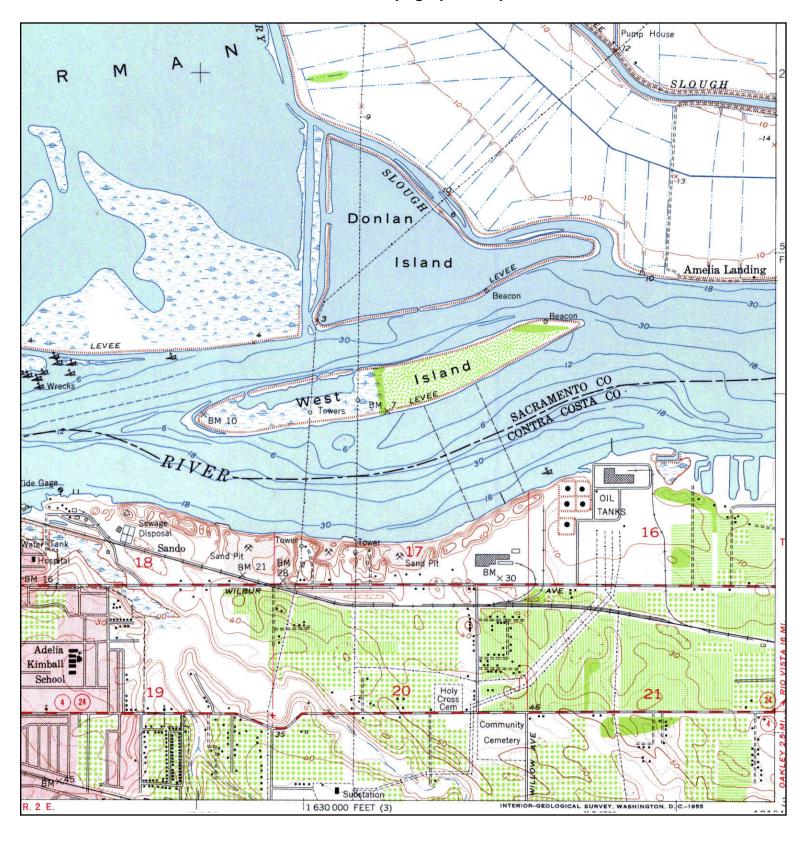
MAP YEAR: 1918

SERIES: 7.5 SCALE: 1:31680 SITE NAME: Antioch Annex Area 2B

ADDRESS: 2200 East 18th Street Antioch, CA 94509

LAT/LONG: 38.006 / -121.7743

CLIENT: Baseline Environmental Cons.





TARGET QUAD

NAME: ANTIOCH NORTH

MAP YEAR: 1953

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Antioch Annex Area 2B

ADDRESS: 2200 East 18th Street

Antioch, CA 94509

LAT/LONG: 38.006 / -121.7743

CLIENT: Baseline Environmental Cons.





TARGET QUAD

NAME: PITTSBURG

MAP YEAR: 1953

SERIES: 15 SCALE: 1:62500 SITE NAME: Antioch Annex Area 2B

ADDRESS: 2200 East 18th Street

Antioch, CA 94509

LAT/LONG: 38.006 / -121.7743

CLIENT: Baseline Environmental Cons.

CONTACT: Cheri Page INQUIRY#: 3346200.4 RESEARCH DATE: 06/18/2012

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TARGET QUAD

NAME: ANTIOCH NORTH

MAP YEAR: 1968

PHOTOREVISED FROM:1953

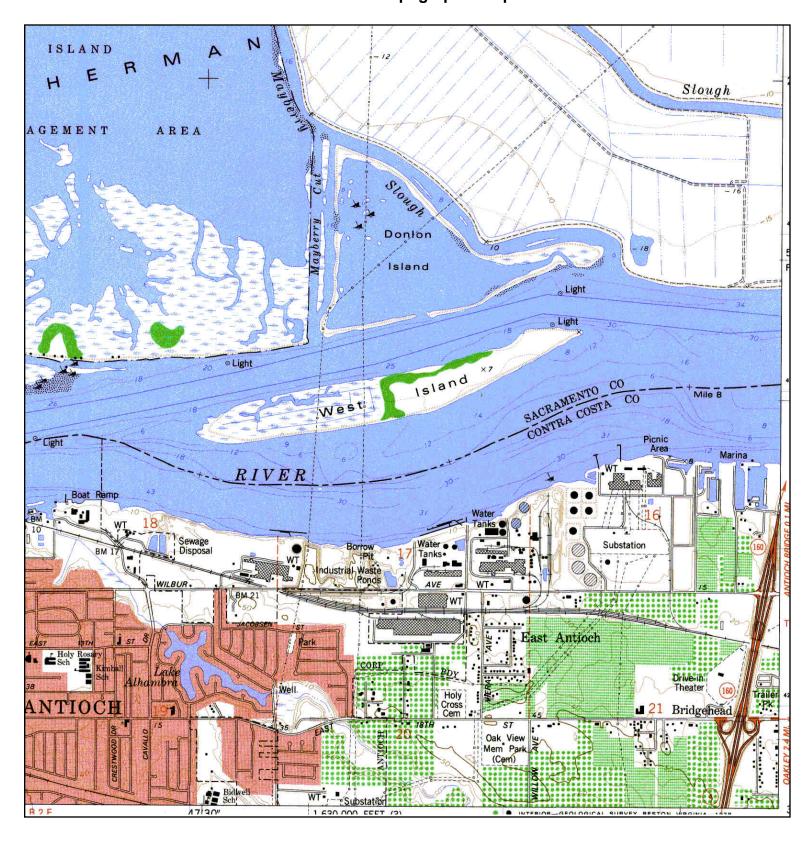
SERIES: 7.5 SCALE: 1:24000 SITE NAME: Antioch Annex Area 2B

ADDRESS: 2200 East 18th Street

Antioch, CA 94509

LAT/LONG: 38.006 / -121.7743

CLIENT: Baseline Environmental Cons.





TARGET QUAD

NAME: ANTIOCH NORTH

MAP YEAR: 1978

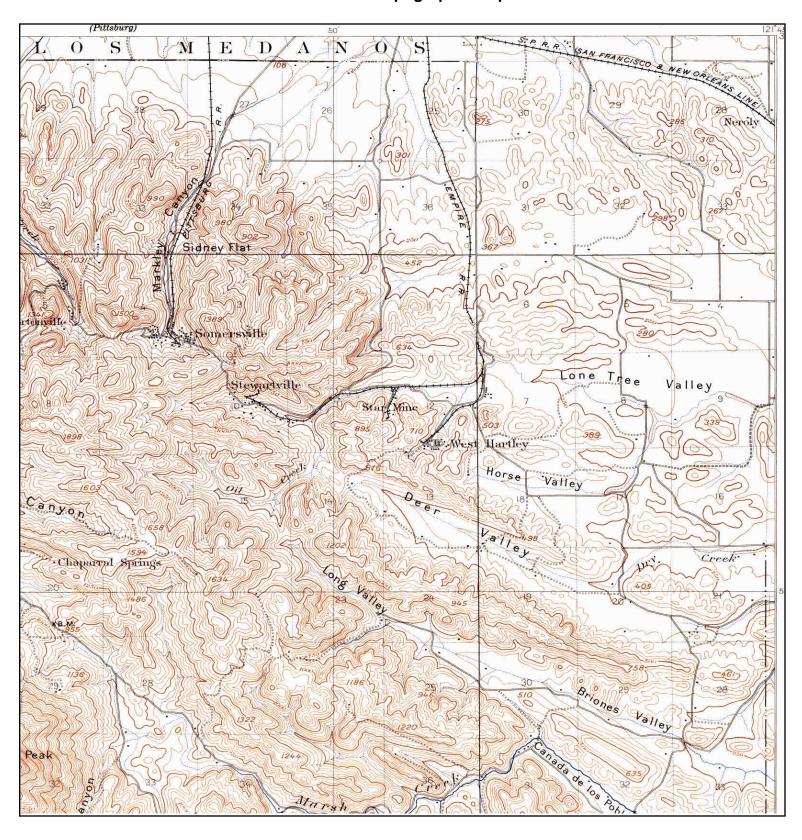
SERIES: 7.5 SCALE: 1:24000 SITE NAME: Antioch Annex Area 2B

ADDRESS: 2200 East 18th Street

Antioch, CA 94509

LAT/LONG: 38.006 / -121.7743

CLIENT: Baseline Environmental Cons.



ADJOINING QUAD

NAME: MOUNT DIABLO

MAP YEAR: 1896

SERIES: 15

SCALE: 1:62500 SITE NAME: Antioch Annex Area 2B

ADDRESS: 2200 East 18th Street

Antioch, CA 94509

LAT/LONG: 38.006 / -121.7743 CLIENT: Baseline Environmental Cons.

CONTACT: Cheri Page INQUIRY#: 3346200.4

RESEARCH DATE: 06/18/2012





NAME: MT. DIABLO

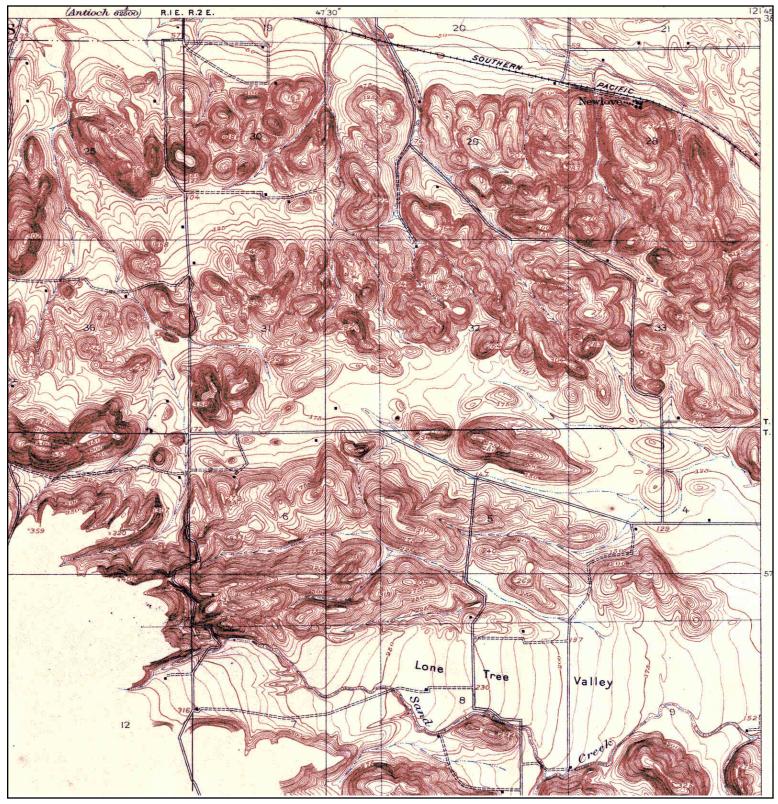
MAP YEAR: 1912

SERIES: 15 1:62500 SITE NAME: Antioch Annex Area 2B

ADDRESS: 2200 East 18th Street Antioch, CA 94509

LAT/LONG: 38.006 / -121.7743 CLIENT: Baseline Environmental Cons.





Unsurveyed Area on the Topographic Map

ADJOINING QUAD

NAME: LONE TREE VALLEY

MAP YEAR: 1916
PRELIMINARY
SERIES: 7.5
SCALE: 1:31680

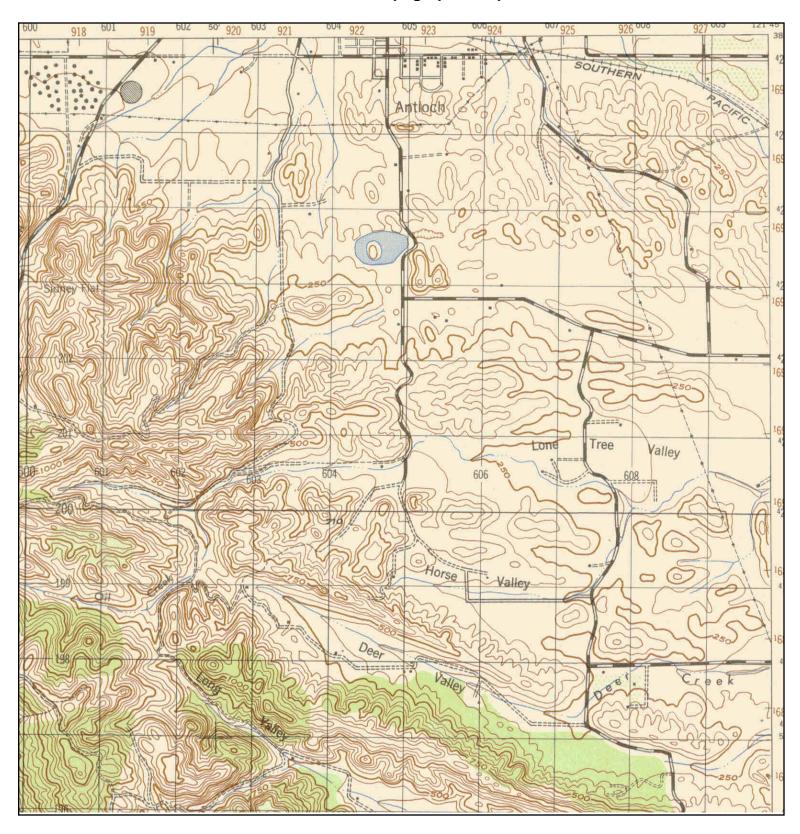
SITE NAME: Antioch Annex Area 2B

ADDRESS: 2200 East 18th Street

Antioch, CA 94509

LAT/LONG: 38.006 / -121.7743

CLIENT: Baseline Environmental Cons.





NAME: MT. DIABLO

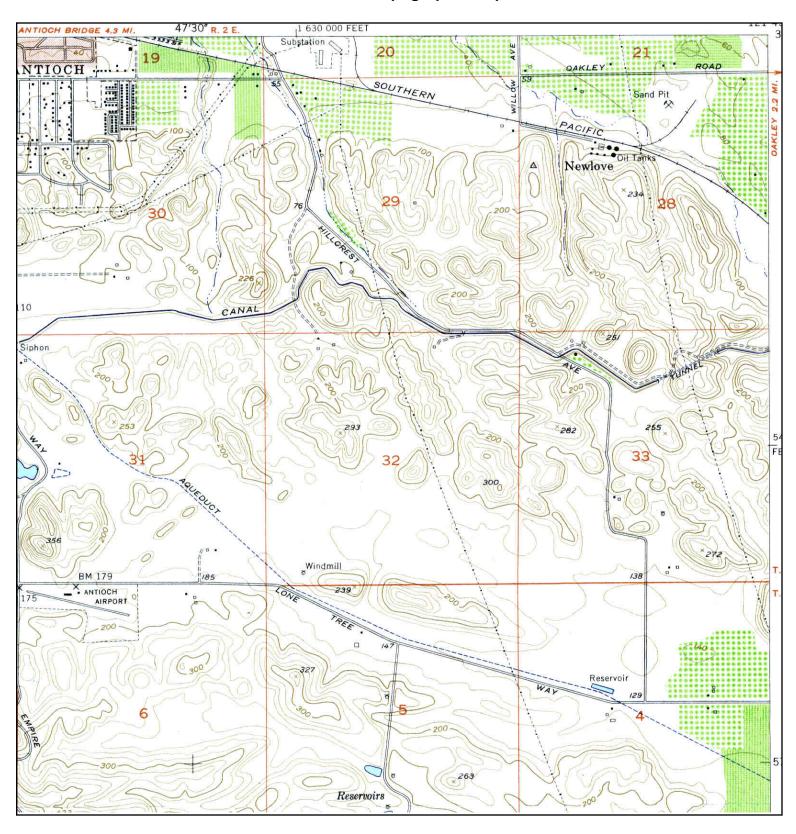
MAP YEAR: 1947

SERIES: 15 SCALE: 1:50000 SITE NAME: Antioch Annex Area 2B

ADDRESS: 2200 East 18th Street Antioch, CA 94509

LAT/LONG: 38.006 / -121.7743

CLIENT: Baseline Environmental Cons.





NAME: ANTIOCH SOUTH

MAP YEAR: 1953

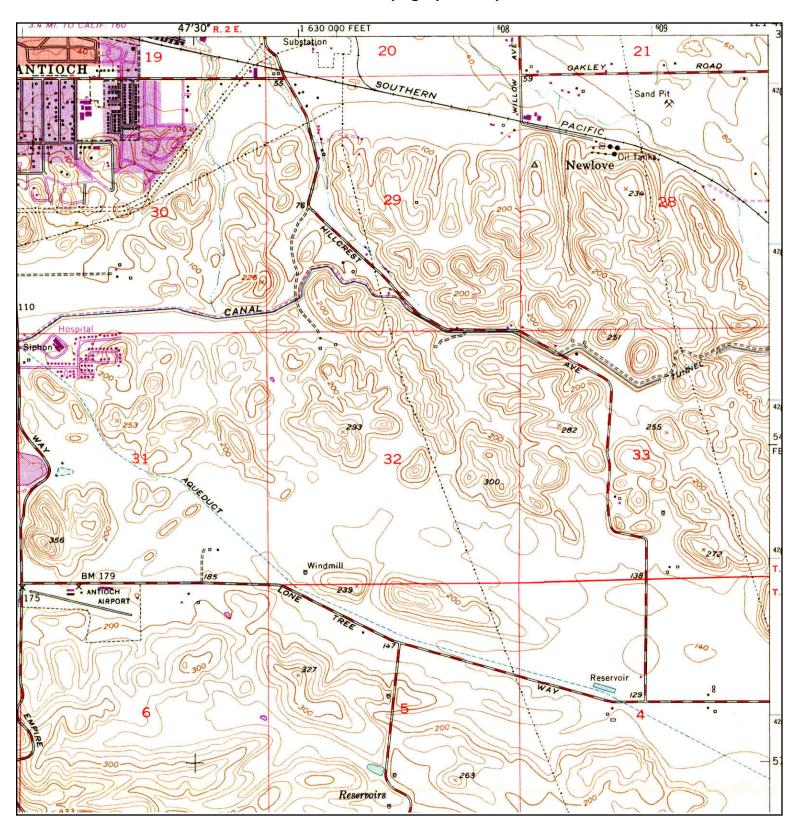
SERIES: 7.5 SCALE: 1:24000 SITE NAME: Antioch Annex Area 2B

ADDRESS: 2200 East 18th Street

Antioch, CA 94509

LAT/LONG: 38.006 / -121.7743

CLIENT: Baseline Environmental Cons.





NAME: ANTIOCH SOUTH

MAP YEAR: 1968

PHOTOREVISED FROM: 1953

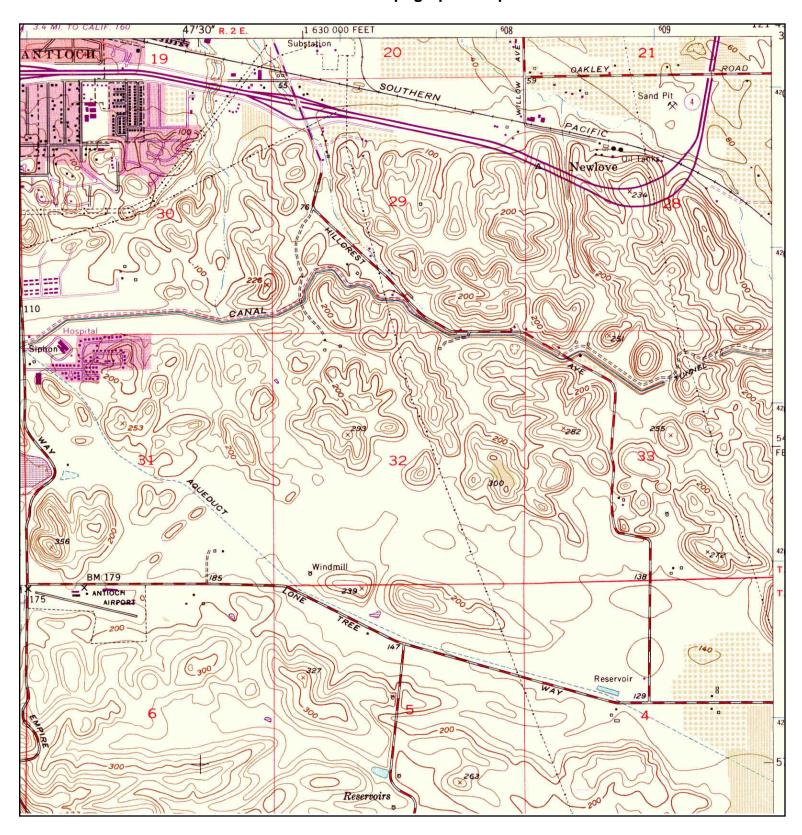
SERIES: 7.5 SCALE: 1:24000 SITE NAME: Antioch Annex Area 2B

ADDRESS: 2200 East 18th Street

Antioch, CA 94509

LAT/LONG: 38.006 / -121.7743

CLIENT: Baseline Environmental Cons.



ADJOINING QUAD

NAME: ANTIOCH SOUTH

MAP YEAR: 1973

PHOTOREVISED FROM: 1953

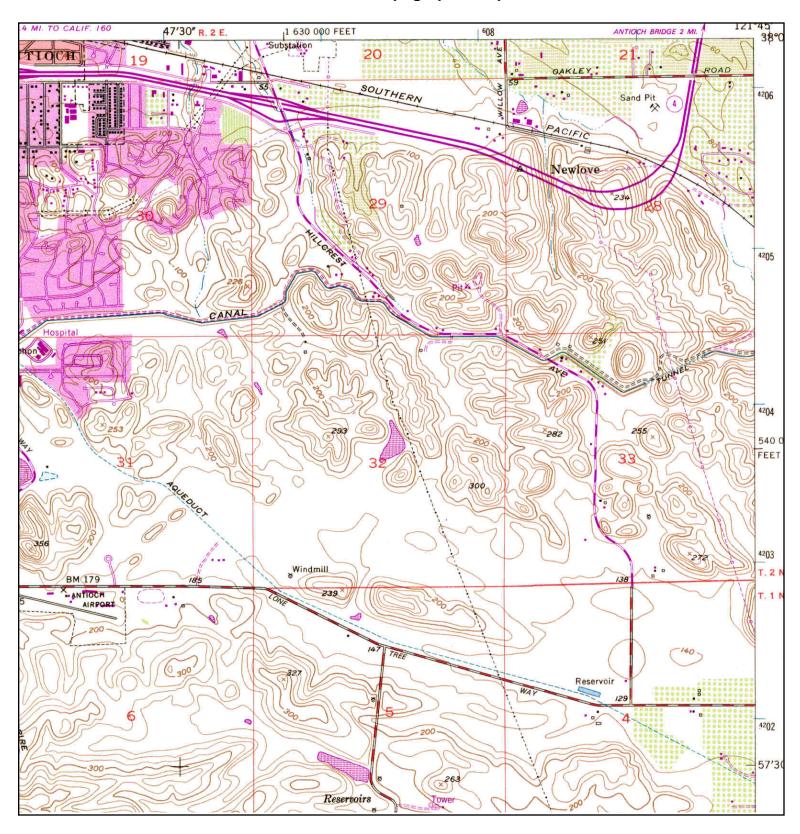
SERIES: 7.5 SCALE: 1:24000 SITE NAME: Antioch Annex Area 2B

ADDRESS: 2200 East 18th Street

Antioch, CA 94509

LAT/LONG: 38.006 / -121.7743

CLIENT: Baseline Environmental Cons.





NAME: ANTIOCH SOUTH

MAP YEAR: 1980

PHOTOREVISED FROM: 1953

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Antioch Annex Area 2B

ADDRESS: 2200 East 18th Street

Antioch, CA 94509

LAT/LONG: 38.006 / -121.7743

CLIENT: Baseline Environmental Cons.