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10:43 am, Feb 25, 2011

Alameda County  
Environmental Health

Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

Re: Document Transmittal  
German Autocraft, 301 East 14<sup>th</sup> Street, San Leandro, California  
AC LOP Case # 2783; Fuel Leak Case No. RO0000302; Global ID T0600100639

Dear Sir or Ma'am:

I declare, under penalty of perjury, that the information contained in the attached document / report are true and correct, to the best of my knowledge.

Sincerely,



Lee Seung  
Owner, German Autocraft



3330 Cameron Park Drive, Ste 550  
Cameron Park, California 95682  
(530) 676-6004 ~ Fax: (530) 676-6005

February 24, 2011  
Project No. 2076-0301-01

Mr. Mark Detterman, P.G., C.E.G.  
Alameda County Environmental Health Department  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577  
(via ACDEH ftp site only, no paper)

Re: **Preferential Pathway Study**  
German Autocraft, 301 East 14<sup>th</sup> Street, San Leandro, California  
ACLOP Case #2783; Fuel Leak Case No. RO0000302; Global ID T0600100639

Dear Mr. Detterman:

Stratus Environmental, Inc. (Stratus) has prepared this *Preferential Pathway Study (PPS)*, on behalf of Mr. Seung Lee, for the German Autocraft facility, located at 301 East 14<sup>th</sup> Street, in San Leandro, California (the site; Figure 1). The preparation and submittal of this PPS was directed by the Alameda County Environmental Health Department (ACEHD) in letters dated October 27, 2009 and December 16, 2010 (Appendix A).

Presented herein is a description of the site, information regarding Stratus' understanding of the geologic and hydrogeologic conditions in the uppermost 45 feet below ground surface (bgs), preferential pathway information (including buried utilities and residential basements), and domestic water well information.

## **SITE DESCRIPTION**

The property is located on the south corner of the intersection of East 14<sup>th</sup> Street and Garcia Avenue in a mixed commercial and residential area in the City of San Leandro (Figure 1). Available records indicate that the property was used as a retail gasoline service station until 1981. According to historical documents by previous consultants for Mr. Lee, the property was exclusively used for automotive repair from 1981 to present. Mr. Lee purchased the property on April 15, 1985. In September 1990, six single-walled steel underground storage tanks (USTs) (two 1,000-gallon and two 2,000-gallon USTs previously used to store unleaded gasoline, one 550-gallon UST previously used to store regular gasoline, and one 150-gallon UST previously used to store waste oil) were removed from the property and properly disposed. In addition, the fuel dispenser island and associated product lines were removed at that time. The configuration of the site is shown on Figure 2. The area surrounding the site is mixed commercial and moderate density residential (Figure 3).

According to the State Water Resources Control Board's (SWRCB) GeoTracker database, numerous other contaminated properties under the ACEHD's regulatory oversight are present in the immediate vicinity of German Autocraft. Sunshine Cleaners, a dry cleaning business located at 223 East 14<sup>th</sup> Street, approximately 130 feet northwest of the site, has had an open environmental case, but largely inactive, since 1993; the site is currently in the assessment phase for chlorinated solvents. San Leandro Chrysler-Plymouth, formerly located at 232 East 14<sup>th</sup> Street, northeast across 14<sup>th</sup> Street from German Autocraft, had a leaking UST environmental case open until 1997. Finally, the former Monument Gas station, located at 111 East 14<sup>th</sup> Street, approximately 375 feet northwest of German Autocraft, had a leaking UST case open until 2005. The Monument Gas case assessed groundwater contamination offsite to the southeast of that site (along Farrelly Drive) until closure.

## **GEOLOGY**

Sediments underlying the site and site vicinity are likely derived from the erosion of the Las Trampas Ridge located approximately 4 miles east of the site. These hills are composed of late Mesozoic sedimentary and partially metamorphosed rocks of the Franciscan Complex. The site lies approximately one mile west of the northwest-trending Hayward Fault, and approximately three miles east of the San Francisco Bay. The topography of the immediate area is relatively flat and lies at an elevation of approximately 50 feet above mean seal level (msl).

Local subsurface soil stratigraphy has been investigated by the drilling of more than 60 vertical soil borings at the site and immediately surrounding area on behalf of Mr. Lee, which have been logged by an array of different geologists over the past 15+ years. Most of the historic borings were logged on 5-foot intervals, although the eight soil borings drilled in 2009 (SV-1 through SV-8) were continuously cored (to approximately 14 feet bgs). According to available geologic boring logs related to the site, subsurface soils have been logged to a maximum depth of approximately 45 feet bgs.

From the surface to approximately 25 feet bgs, the soil generally consists of fine-grained materials (lean to fat clays and sandy clays). Beneath the upper fine-grained material, from approximately 25 to 35 feet bgs (ranging from 3 to 13 feet in apparent thickness), a sandy unit of relatively higher permeability is present (clayey and silty sands with some clean sands). It is within this sandy layer that groundwater is first encountered. In general, the sandy water-bearing unit appears to thicken and coarsen to the west and northwest of the site (offsite, downgradient). Notably, the sandy layer appears to be thin (to absent) in the center of the site property itself (B-1, B-2, B-3, MW-1, and ETM-7) and to the northeast of the site across 14<sup>th</sup> Avenue (ETM-10, ETM-11). Beneath the sandy water-bearing unit, additional fine-grained soils have been encountered (clays). In both the upper and lower clayey layers, thin (1 to 4 feet in apparent thickness), discontinuous, sandy layers are

reportedly interbedded. Notably, within the thick upper section of vadose zone clays, an approximate 1-foot thick sand, clay with sand, clayey gravel or gravelly clay was encountered between 11 and 14 feet bgs (targeted in deep soil gas sample locations). A geologic cross-section illustrating interpreted geologic conditions beneath the site and site vicinity is included as Figure 4; the surface trace of the geologic cross-section is shown on Figure 3.

## HYDROGEOLOGY

A total of fourteen permanent groundwater monitoring wells (MW-1 through MW-6, MW-8 through MW-14, and MW-1A) have been screened to depths of between 20 and 40 feet bgs to monitor groundwater occurrence and quality in the first encountered water-bearing zone. The monitoring well array includes five onsite wells, and nine offsite wells spanning the city block west-northwest of the site, from Garcia Avenue to Broadmoor Boulevard. Historically, groundwater in the monitoring well array has been measured as shallow as 15.05 feet bgs to as deep as 30.25 feet bgs, with a historical average of approximately 25 feet bgs. Seasonal fluctuations in water table levels on the order of 5 to 10 feet are typical. In the early 1990s, water levels were deeper (~30 feet bgs) than they are at present day. During the 15-year monitoring period (1995 to 2010) groundwater elevations have generally remained consistent, though the magnitude of annual fluctuations has decreased during the last 7 to 8 years. A graph illustrating water levels over time is included as Figure 5.

Historically, the dominant groundwater flow in the vicinity of the site has been generally west and west-northwest at an average gradient of approximately 0.002 foot per foot (ft/ft). Onsite, groundwater flow appears to be more complex. During the period 1994 through 1998, only wells MW-1, MW-2, and MW-3 were gauged for depth to groundwater. In that period, groundwater flow was calculated to be predominantly south to southwest (generally towards well MW-2). Following installation of additional wells, the flow direction had the appearance of shifting to the west with the increase in spatial data. However, based on a re-evaluation of the more recent groundwater elevation data of the onsite wells only, it appears that the more southerly groundwater flow direction was not an error or result of a small spatial array, but rather a true onsite sub-gradient of the overall groundwater flow. A rose diagram showing the reported primary groundwater flow directions is included as Figure 6.

## IMPACT TO GROUNDWATER

Groundwater monitoring and sampling has been conducted at the subject site since December 1990. The contaminants of concern (COCs) are gasoline range organics C4-C13 (GRO) and benzene, toluene, ethylbenzene, and total xylenes (collectively BTEX). Iso-concentration maps illustrating the lateral extent of GRO and benzene in groundwater

during the most recent event (3<sup>rd</sup> quarter 2010) are included as Figures 7 and 8, respectively. Historical groundwater elevation data and laboratory analytical results are summarized on Table 1.

## **PREFERENTIAL PATHWAY STUDY RESULTS**

### **Backyard Well Survey**

According to previous consultant's reports, numerous shallow (<100-feet total depth) private domestic wells are reportedly present and used for seasonal irrigation in the site vicinity. The only confirmed location of any such domestic irrigation wells in the immediate site vicinity is a privately owned irrigation well located at 141 Farrelly Drive, approximately 420-feet west (downgradient) of the site. Previous consultants ETM and GCI reported the diameter of the well to be 5-, 2-, and 10-inches on various occasions (Stratus technicians report that the well is 6-inches in diameter). Reported total depth figures are also contradictory; previous consultants indicated total depths ranging from 28- to 65-feet. The screen/perforation interval for the well was reported in 2008 by GCI to be 25- to 65-feet bgs.

In January 2011, in an attempt to acquire additional information regarding any backyard wells in the vicinity of the subject site, Stratus requested well completion logs from the California Department of Water Resources (DWR) and the Alameda County Public Works Agency (ACPWA) for all properties located within a ¼-mile radius of the subject site. Three Water Well Drillers Reports (WDRs) and one entry in the ACPWA Well Log Database existed for properties located within ¼-mile of the subject site. Copies of the WDRs and the ACPWA Well Log Database entries for the area are included as Appendix B.

One of the WDRs discovered was for a property located on Farrelly Drive, but the report does not specify the address (it is unclear where on Farrelly Drive this well was located). It is unlikely that the WDR is for the well located at 141 Farrelly Drive because the well depth data (99-feet) does not match the well depth data (between 28- and 65-feet) that has previously been reported for the 141 Farrelly Drive well.

Two additional WDRs were discovered for wells reportedly located at 91 Broadmoor Boulevard and 93 Broadmoor Boulevard. The WDR for 91 Broadmoor Boulevard indicates that the well was installed in May 1977, and completed to a total depth of 321-feet; water was first encountered at 31-feet (static water level was also 31-feet). A note at the bottom of the WDR indicates that the well pump was dry and plugged with gravel; it does not appear that this well ever operated. The WDR for 93 Broadmoor Boulevard indicates that the well was installed in August 1982, and completed to a total depth of 100-feet; water was first encountered at 47-feet and static water was measured at 25-feet.

Both properties are located approximately 500-feet northeast (and cross-gradient) of the subject site. Stratus made two separate attempts to confirm the existence of these two wells by contacting the residences in person on January 17 and 25, 2011. However, no one was home at either residence when the attempts were made.

In addition to the three WDRs that were discovered, a fourth well located within the ¼ mile search radius (74 Euclid Avenue) was identified on the ACPWA Well Log Database, but no WDR is available for the well. The database indicates that the irrigation well was installed in August 1977, to a total depth of 45 feet. The 74 Euclid Avenue property is located approximately 1,000 feet southeast and directly upgradient of the subject site.

None of the wells identified during the records search are located within the plume area or in a downgradient direction. Table 2 summarizes the well survey results and indicates identification numbers that correspond to a map depicting the location of these properties in relation to the subject site (Figure 9).

On January 17, 2011, in an attempt to physically identify any private wells within the search area for which DWR/ACPWA may not have records, Stratus personnel conducted a door-to-door well survey of 115 properties. The door-to-door survey included an area approximately 660-feet in the downgradient/westerly direction, and 500-feet in the upgradient/easterly direction, as requested by ACEHD in an e-mail, dated January 10, 2011 (Appendix A). The results of the door-to-door well survey are summarized on Table 2, which indicates identification numbers that correspond to a map depicting the location of these properties (and 141 Farrelly Drive) in relation to the subject site (Figure 9). No new wells were identified to be within the contaminant plume area during the door-to-door survey.

## **Basement Survey**

On January 17, 2011, Stratus personnel conducted a door-to-door survey (660-feet in the downgradient/westerly direction, and 500-feet in the upgradient/easterly direction, as requested by ACEHD) to inquire about the presence of basements. A total of eight basements were confirmed to exist within the door-to-door survey radius. Two of the identified basements (180 Broadmoor Boulevard and 194 Broadmoor Boulevard) are situated approximately 500-feet to the northwest/down-gradient of the subject site and are within or near the distal margins of the contaminant plume (see Figures 7 and 8). One basement, at 136 Farrelly Drive, is located approximately 560-feet to the north-northwest of the site and does not appear to be within the contaminant plume. None of the apartment buildings located within the search radius had basements.

During the door-to-door basement survey, no response was received from many of the residences that are located within the plume area; it is possible that additional residences with basements exist within the plume area. The results of the door-to-door basement survey are summarized on Table 2 and illustrated on Figure 9. In addition to the information gathered during this survey, the soil vapor samples collected by GCI in January 2009, from the downgradient side of Garcia Avenue at depths ranging from 5 to 14 feet bgs, indicated no vapor concentrations above established residential environmental screening levels (ESLs).

From ground surface to approximately 25 feet bgs, the soil beneath the site and site vicinity generally consists of fine-grained materials (lean to fat clays and sandy clays). Beneath the upper fine-grained material, from approximately 25 to 35 feet bgs (ranging from 3 to 13 feet in apparent thickness), a sandy unit of relatively higher permeability is present (clayey and silty sands with some clean sands). It is within this sandy layer that groundwater is first encountered at 25 feet bgs. Assuming that a typical basement is constructed with a 9 foot ceiling on a 1 foot thick concrete slab, the maximum depth of an average basement is approximately 10 feet bgs. Given that there is an approximate 15 foot vertical separation between average groundwater levels and the floors of the basements in the vicinity, and taking into consideration the soil type, it is unlikely that basements would be impacted by petroleum hydrocarbon vapors.

### **Buried Utility Survey**

To identify potential preferential pathways for migration of groundwater or soil vapor, Stratus conducted a buried utility survey for the area immediately downgradient of the subject site and confirmed that four utilities exist underground within the survey area: sanitary sewer and storm water sewer (City of San Leandro), natural gas (Pacific Gas & Electric [PG&E]), and water (East Bay Municipal Utility District [EBMUD]). The utility maps provided by these agencies are included as Appendix C and a consolidated map depicting approximate locations, diameters, and maximum trench depths for the buried utilities in the plume area is included as Figure 10.

With the exception of the sanitary sewer and storm sewer, all utilities surveyed confirmed that the distribution lines are buried no deeper than approximately 7 feet bgs. The depth of the sanitary sewer in the neighborhood ranges from about 3 feet bgs to 7 feet bgs, and the storm sewer that runs the length of Broadmoor Boulevard is buried approximately 15 feet bgs. All storm water runoff flows from the immediate area via surface drainage that slopes toward East 14<sup>th</sup> Street, and then north to a storm sewer drain inlet located at the corner of Broadmoor Boulevard and East 14<sup>th</sup> Street.

Given an approximate 10-foot vertical separation between average groundwater levels and the utility conduits, and the known fine-grained soil type, it appears unlikely that the shallow utility laterals would act as preferential vapor migration pathways.

## **LIMITATIONS**

This report was prepared in general accordance with accepted standards of care that existed at the time this report was prepared. No other warranty, expressed or implied, is made. Conclusions and recommendations are based on field observations and data obtained from this work and previous investigations. It should be recognized that definition and evaluation of geologic conditions is a difficult and somewhat inexact science. Judgments leading to conclusions and recommendations are generally made with an incomplete knowledge of the subsurface conditions present. More extensive studies may be performed to reduce uncertainties. This report is solely for the use and information of our client, unless otherwise noted.



February 24, 2011

If you have any questions or comments concerning this document, please contact Kasey Jones at (415) 516-0373.

Sincerely,

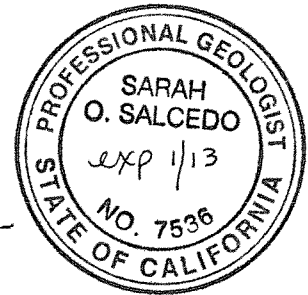
*STRATUS ENVIRONMENTAL, INC.*



Kasey L. Jones  
Project Manager



Sarah O. Salcedo, P.G.  
Senior Geologist



Attachments:

Table 1	Groundwater Elevation and Analytical Summary
Table 2	Door to Door Survey Results
Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	Site Vicinity Map
Figure 4	Geologic Cross Section A-A'
Figure 5	Groundwater Elevations vs. Time
Figure 6	Historical Groundwater Flow Direction Rose Diagram
Figure 7	GRO Iso-Concentration Contour Map – 3 <sup>rd</sup> Quarter 2010
Figure 8	Benzene Iso-Concentration Contour Map – 3 <sup>rd</sup> Quarter 2010
Figure 9	Door to Door Survey Map
Figure 10	Utility Map
Appendix A	ACEHD Correspondence
Appendix B	Water Well Drillers Reports and ACPWA Well Log Database Printout
Appendix C	Buried Utility Maps

cc: Mr. Seung Lee, German Autocraft  
Ms. Cherie McCaulou, RWQCB-SF

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
 German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)	
MW-1	12/21/90	30.25	49.61	19.15	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/31/90	--	49.61	--	51,000	2,200	1,200	<0.5	760	--	--	--	--	--	--	--	--	
	01/06/95	--	49.61	--	110,000	13,000	15,000	4,800	13,000	--	--	--	--	--	--	--	--	
	01/06/95	--	49.61	--	580,000	29,000	41,000	17,000	43,000	--	--	--	--	--	--	--	--	--
	02/10/95	20.02	49.61	29.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/07/95	22.77	49.4	26.63	49,000	8,000	17,000	1,900	9,700	--	--	--	--	--	--	--	--	--
	08/10/95	23.82	49.4	25.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/11/95	24.72	49.4	24.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/02/95	25.28	49.4	24.12	120,000	16,000	36,000	3,300	17,000	--	--	--	--	--	--	--	--	--
	10/02/95	--	49.4	--	160,000	20,000	47,000	5,000	23,000	--	--	--	--	--	--	--	--	--
	11/07/95	26.04	49.4	23.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/08/95	18.77	49.4	22.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/12/96	25.05	49.4	24.35	1,100,000	11,000	18,000	15,000	51,000	18,000 [2]	--	--	--	--	--	--	--	--
	01/12/96	--	49.4	--	98,000	2,100	4,600	2,500	10,000	<5,000	--	--	--	--	--	--	--	--
	02/12/96	20.36	49.4	29.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/96	17.65	49.4	31.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/13/96	19.97	49.4	29.43	53,000	1,300	2,900	2,100	10,000	<5,000	--	--	--	--	--	--	--	--
	04/13/96	--	49.4	--	58,000	820	3,600	2,800	12,000	<5,000	--	--	--	--	--	--	--	--
	05/14/96	21.51	49.4	27.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/20/96	22.21	49.4	27.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/26/96	23.45	49.4	25.95	91,000	2,600	7,200	2,900	14,000	<5,000	--	--	--	--	--	--	--	--
	07/26/96	--	49.4	--	67,000	2,300	5,500	2,500	11,000	<5,000	--	--	--	--	--	--	--	--
	08/19/96	24.24	49.4	25.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/17/96	24.96	49.4	24.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/21/96	25.77	49.4	23.63	210,000	4,800	17,000	2,300	15,000	--	--	--	--	--	--	--	--	--
	10/21/96	--	49.4	--	210,000	5,400	18,000	2,600	11,000	--	--	--	--	--	--	--	--	--
	11/27/96	25.12	49.4	24.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/27/96	21.17	49.4	28.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/28/97	16.38	49.4	33.02	120,000	5,600	15,000	2,100	11,000	--	--	--	--	--	--	--	--	--
	01/28/97	--	49.4	--	130,000	5,500	15,000	2,300	12,000	--	--	--	--	--	--	--	--	--
	04/25/97	22.26	49.4	27.14	180,000	6,900	20,000	2,600	13,000	--	--	--	--	--	--	--	--	--
04/25/97	--	49.4	--	170,000	6,500	20,000	2,500	13,000	--	--	--	--	--	--	--	--	--	
07/17/97	24.85	49.4	24.55	220,000	8,300	41,000	2,700	16,000	--	--	--	--	--	--	--	--	--	
10/21/97	26.55	49.4	22.85	240,000	9,400	33,000	3,300	22,000	--	--	--	--	--	--	--	--	--	
03/10/98	15.05	49.4	34.35	120,000	11,000	46,000	3,700	21,000	--	--	--	--	--	--	--	--	--	
06/06/98	18.71	49.4	30.69	110,000	7,600	32,000	4,800	23,000	--	--	--	--	--	--	--	--	--	
09/30/98	23.45	49.4	25.95	140,000	5,800	29,000	3,500	18,000	--	--	--	--	--	--	--	--	--	
12/30/98	24.27	49.4	25.13	78,000	5,200	24,000	3,200	19,000	--	--	--	--	--	--	--	--	--	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
 German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-1 (con't)	03/13/99	19.42	49.4	29.98	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/99	--	49.4	--	250,000	8,000	43,000	5,200	27,000	--	--	--	--	--	--	--	--
	09/29/99	25.01	49.4	24.39	140,000	6,100	35,000	5,400	27,000	--	--	--	--	--	--	--	--
	12/29/99	25.65	49.4	23.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/18/00	17.48	49.4	31.92	120,000	5,100	33,000	4,600	24,000	--	--	--	--	--	--	--	--
	07/18/00	23.19	49.4	26.21	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/26/00	24.39	49.4	25.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/28/00	24.77	49.4	24.63	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/20/01	--	49.4	--	100,000	3,600	41,000	4,700	25,000	<1,250	--	--	--	--	--	--	--
	03/30/01	21.93	49.4	27.47	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/01	25.58	49.4	23.82	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/28/02	20.74	49.4	28.66	100,000	2,800	24,000	5,400	28,900	--	--	--	--	--	--	--	--
	03/31/03	22.72	49.4	26.68	100,000	2,200	19,000	4,900	21,000	--	--	--	--	--	--	--	--
	06/19/03	23.17	49.4	26.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/03	25.35	49.4	24.05	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/10/04	22.44	49.4	26.96	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/04	--	49.4	--	100,000	2,100	21,000	6,200	36,000	--	--	--	--	--	--	--	--
	06/30/04	24.67	49.4	24.73	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/04	27.89	49.4	21.51	160,000	1,800	16,000	5,500	30,000	--	--	--	--	--	--	--	--
	03/29/06	18.84	49.4	30.56	69,000	1,400	16,000	4,900	28,000	--	--	--	--	--	--	--	--
	06/24/06	20.57	49.4	28.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/06	23.53	49.4	25.87	120,000	1,400	13,000	5,200	29,000	<500	--	--	--	--	--	--	--
	12/11/06	22.78	49.4	26.29	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/16/07	--	49.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/10/07	24.36	49.4	25.04	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/07	25.92	49.4	23.48	92,000	1,000	9,400	4,300	23,000	<250	--	--	--	--	--	--	--
	12/14/07	26.22	49.4	23.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	22.4	49.4	27	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	24.97	49.4	24.43	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	26.44	49.4	22.96	110,000	1,000	11,000	4,200	21,000	<250	--	--	--	--	--	--	--
	12/13/08	27.16	49.4	22.24	--	--	--	--	--	--	--	--	--	--	--	--	--
03/14/09	21.82	49.4	27.58	110,000	1,000	14,000	3,700	21,000	<1,000	--	--	--	--	--	--	--	
12/07/09	26.42	49.4	22.98	49,000	540	5,500	2,000	9,400	<100	--	--	--	--	--	--	--	
03/15/10	21.21	49.4	28.19	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/13/10	25.25	49.4	24.15	75,000	670	9400	3700	19,000	<50[5]	--	--	--	--	<100[5]	<200[5]	89	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
 German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-2	01/06/95	--	--	--	980,000	9,400	5,600	19,000	42,000	--	--	--	--	--	--	--	--
	02/10/95	20.52	50.14	29.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/07/95	23.55	50.02	26.47	71,000	5,300	1,800	6,100	9,000	--	--	--	--	--	--	--	--
	08/10/95	24.62	50.02	25.4	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/11/95	25.53	50.02	24.49	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/02/95	26.08	50.02	23.94	40,000	2,900	200	2,800	3,600	--	--	--	--	--	--	--	--
	11/07/95	26.89	50.02	23.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/08/95	27.47	50.02	22.55	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/12/96	25.82	50.02	24.2	260,000	2,600	2,200	6,300	7,800	<12,500	--	--	--	--	--	--	--
	02/12/96	20.99	50.02	29.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/96	18.42	50.02	31.6	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/13/96	20.77	50.02	29.25	30,000	1,900	370	2,300	2,400	520 [2]	--	--	--	--	--	--	--
	04/29/96	--	50.02	--	--	930	<25	1,200	1,400	--	--	--	--	--	--	--	--
	05/14/96	22.34	50.02	27.68	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/20/96	23.05	50.02	26.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/26/96	24.28	50.02	25.74	180,000	1,400	640	2,100	5,000	<5,000	--	--	--	--	--	--	--
	08/19/96	25.05	50.02	24.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/17/96	25.8	50.02	24.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/21/96	26.59	50.02	23.43	62,000	2,100	<0.5	2,100	2,700	--	--	--	--	--	--	--	--
	11/27/96	25.93	50.02	24.09	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/27/96	21.99	50.02	28.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/28/97	17.31	50.02	32.71	46,000	1,500	94	1,800	2,000	--	--	--	--	--	--	--	--
	04/25/97	23.14	50.02	26.88	23,000	790	26	820	730	--	--	--	--	--	--	--	--
	07/17/97	25.71	50.02	24.31	95,000	2,200	<0.5	3,100	4,300	--	--	--	--	--	--	--	--
	10/21/97	27.33	50.02	22.69	31,000	2,000	<0.5	2,100	1,900	--	--	--	--	--	--	--	--
	03/10/98	15.82	50.02	34.2	19,000	730	44	820	1,000	--	--	--	--	--	--	--	--
	06/06/98	19.61	50.02	30.41	16,000	670	1,100	510	1,200	--	--	--	--	--	--	--	--
	09/30/98	24.34	50.02	25.68	24,000	600	77	680	580	--	--	--	--	--	--	--	--
	12/30/98	25.09	50.02	24.93	9,300	510	96	450	480	--	--	--	--	--	--	--	--
	03/13/99	20.22	50.02	29.8	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/99	--	50.02	--	5,700	580	9.4	400	280	--	--	--	--	--	--	--	--
	09/29/99	25.9	50.02	24.12	17,000	880	240	830	1,000	--	--	--	--	--	--	--	--
	12/29/99	26.5	50.02	23.52	11,000	800	11	860	780	--	--	--	--	--	--	--	--
	03/18/00	18.15	50.02	31.87	11,000	790	14	520	450	--	--	--	--	--	--	--	--
	07/18/00	24.01	50.02	26.01	10,000	560	27	630	530	--	--	--	--	--	--	--	--
	09/26/00	25.33	50.02	24.69	6,800	450	7.4	290	200	--	--	--	--	--	--	--	--
	12/28/00	25.63	50.02	24.39	12,000	540	30	420	330	--	--	--	--	--	--	--	--
	03/30/01	22.71	50.02	27.31	3,500	230	<10	<10	<10	<100	--	--	--	--	--	--	--

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
 German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-2 (con't)	10/05/01	26.38	50.02	23.64	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/28/02	21.59	50.02	28.43	7,000	570	16	170	71	--	--	--	--	--	--	--	--
	09/30/02	25.84	50.02	24.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/03	23.63	50.02	26.39	5,000	620	<12.5	71	<25	--	--	--	--	--	--	--	--
	06/19/03	23.98	50.02	26.04	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/03	26.19	50.02	23.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/10/04	23.27	50.02	26.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/04	--	50.02	--	8,200	500	<12.5	65	<25	--	--	--	--	--	--	--	--
	06/30/04	25.45	50.02	24.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/04	26.7	50.02	23.32	9,000	560	<13	57	<25	--	--	--	--	--	--	--	--
	03/29/06	19.61	50.02	30.41	5,200	1,400	<20	52	<20	--	--	--	--	--	--	--	--
	06/24/06	21.41	50.02	28.61	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/06	24.37	50.02	25.65	4,800	900	64	22	110	<50	--	--	--	--	--	--	--
	12/11/06	23.92	50.02	26.1	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/16/07	22.78	50.02	27.24	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/10/07	25.12	50.02	24.9	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/07	26.63	50.02	23.39	11,000	2,200	53	72	150	<50	--	--	--	--	--	--	--
	12/14/07	26.58	50.02	23.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	23.1	50.02	26.92	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	25.71	50.02	24.31	--	--	--	--	--	--	--	--	--	--	--	--	--
09/05/08	27.14	50.02	22.88	10,000	1,000	49	120	120	<100	--	--	--	--	--	--	--	
12/13/08	27.83	50.02	22.19	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/14/09	22.38	50.02	27.64	9,800	270	28	210	110	<110	--	--	--	--	--	--	--	
06/03/09	25.27	50.02	24.75	--	--	--	--	--	--	--	--	--	--	--	--	--	
12/07/09	27.11	50.02	22.91	9,000	150	48	170	110	<50	--	--	--	--	--	--	--	
03/15/10	21.98	50.02	28.04	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/13/10	26.11	50.02	23.91	9,900	93	<5.0[5]	100	13[5]	<5.0[5]	--	--	--	--	<10[5]	<20[5]	18	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-3	01/06/95	--	49.32	--	740,000	11,000	2,300	8,300	28,000	--	--	--	--	--	--	--	--
	02/10/95	19.75	49.32	29.57	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/07/95	22.82	49.32	26.5	86,000	12,000	8,600	4,900	19,000	--	--	--	--	--	--	--	--
	08/10/95	23.88	49.32	25.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/11/95	24.78	49.32	24.54	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/02/95	25.32	49.32	24	100,000	15,000	11,000	6,000	20,000	--	--	--	--	--	--	--	--
	11/07/95	26.11	49.32	23.21	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/08/95	26.7	49.32	22.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/12/96	25.07	49.32	24.25	84,000	6,500	4,100	3,200	12,000	<5,000	--	--	--	--	--	--	--
	02/12/96	20.32	49.32	29	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/96	17.65	49.32	31.67	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/13/96	20.06	49.32	29.26	48,000	7,600	3,600	2,800	9,400	<2,500	--	--	--	--	--	--	--
	05/14/96	21.61	49.32	27.71	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/20/96	22.32	49.32	27	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/26/96	23.65	49.32	25.67	62,000	6,400	3,100	3,000	11,000	<2,500	--	--	--	--	--	--	--
	08/19/96	24.31	49.32	25.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/17/96	25.05	49.32	24.27	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/21/96	25.84	49.32	23.48	110,000	5,400	2,400	2,500	9,800	--	--	--	--	--	--	--	--
	11/27/96	25.19	49.32	24.13	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/27/96	21.21	49.32	28.11	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/28/97	16.54	49.32	32.78	130,000	5,500	15,000	2,300	12,000	--	--	--	--	--	--	--	--
	04/25/97	22.38	49.32	26.94	180,000	6,900	20,000	2,600	13,000	--	--	--	--	--	--	--	--
	07/17/97	24.95	49.32	24.37	69,000	5,100	1,100	1,800	8,600	--	--	--	--	--	--	--	--
	10/21/97	26.59	49.32	22.73	58,000	4,300	1,300	2,100	8,000	--	--	--	--	--	--	--	--
	03/10/98	15.19	49.32	34.13	25,000	3,000	1,300	1,100	3,700	--	--	--	--	--	--	--	--
	06/06/98	18.85	49.32	30.47	52,000	4,400	1,900	2,300	6,900	--	--	--	--	--	--	--	--
	09/30/98	23.57	49.32	25.75	42,000	4,300	1,400	1,800	6,600	--	--	--	--	--	--	--	--
	12/30/98	24.33	49.32	24.99	34,000	4,200	770	2,300	9,000	--	--	--	--	--	--	--	--
	03/13/99	19.49	49.32	29.83	44,000	3,500	1,000	1,700	5,200	--	--	--	--	--	--	--	--
	09/29/99	25.12	49.32	24.2	39,000	6,000	840	2,400	8,100	--	--	--	--	--	--	--	--
	12/29/99	25.72	49.32	23.6	39,000	4,600	790	2,400	8,100	--	--	--	--	--	--	--	--
	03/18/00	17.5	49.32	31.82	21,000	3,100	550	1,400	4,100	--	--	--	--	--	--	--	--
	07/18/00	23.28	49.32	26.04	30,000	5,000	950	2,000	5,700	--	--	--	--	--	--	--	--
	09/26/00	24.52	49.32	24.8	36,000	5,300	640	2,400	9,900	--	--	--	--	--	--	--	--
	12/28/00	24.87	49.32	24.45	33,000	4,700	450	2,100	6,400	--	--	--	--	--	--	--	--
	03/20/01	--	49.32	--	21,000	2,000	260	570	3,000	<500	--	--	--	--	--	--	--
	03/30/01	21.93	49.32	27.39	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/01	25.62	49.32	23.7	--	--	--	--	--	--	--	--	--	--	--	--	--

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
 German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-3 (con't)	03/28/02	20.83	49.32	28.49	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/02	25.2	49.32	24.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/03	22.82	49.32	26.5	25,000	3,200	280	1,600	4,200	--	--	--	--	--	--	--	--
	06/19/03	23.29	49.32	26.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/03	25.5	49.32	23.82	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/10/04	22.53	49.32	26.79	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/04	--	49.32	--	11,000	1,000	940	550	1,900	--	--	--	--	--	--	--	--
	06/30/04	24.73	49.32	24.59	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/04	27.93	49.32	21.39	42,000	3,600	190	2,200	4,800	--	--	--	--	--	--	--	--
	03/29/06	18.87	49.32	30.45	7,200	180	17	460	680	--	--	--	--	--	--	--	--
	06/24/06	22.65	49.32	26.67	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/06	24.49	49.32	24.83	7,100	130	94	500	820	<50	--	--	--	--	--	--	--
	12/11/06	23.03	49.32	26.29	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/16/07	21.97	49.32	27.35	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/10/07	24.28	49.32	25.04	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/07	25.75	49.32	23.57	6,700	16	44	200	400	<10	--	--	--	--	--	--	--
	12/14/07	25.96	49.32	23.36	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	22.31	49.32	27.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	24.8	49.32	24.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	26.23	49.32	23.09	6,300	7.6	82	92	290	<5.0	--	--	--	--	--	--	--
12/13/08	26.93	49.32	22.39	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/14/09	21.65	49.32	27.67	3,300	13	17	56	140	<50	--	--	--	--	--	--	--	
12/07/09	26.2	49.32	23.12	2,800	13	43	74	150	<50	--	--	--	--	--	--	--	
03/15/10	21.15	49.32	28.17	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/13/10	25.20	49.32	24.12	1,400	<0.50	<0.50	5.3	2.9	<0.50	--	--	--	--	<1.0	<2.0	22	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-4	12/30/98	24.56	49.61	25.05	12,000	1,200	1,100	290	1,400	--	--	--	--	--	--	--	--
	03/13/99	19.72	49.61	29.89	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/99	--	49.61	--	89,000	5,900	8,700	2,000	9,200	--	--	--	--	--	--	--	--
	09/29/99	25.34	49.61	24.27	48,000	5,300	6,800	1,700	7,700	--	--	--	--	--	--	--	--
	12/29/99	25.97	49.61	23.64	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/18/00	17.76	49.61	31.85	44,000	4,500	7,500	2,200	11,000	--	--	--	--	--	--	--	--
	12/28/00	25.09	49.61	24.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/30/01	22.21	49.61	27.4	10,000	700	620	<10	1,900	<100	--	--	--	--	--	--	--
	10/05/01	25.84	49.61	23.77	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/28/02	21.03	49.61	28.58	30,000	3,700	3,100	1,100	4,100	--	--	--	--	--	--	--	--
	09/30/02	25.29	49.61	24.32	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/03	23.02	49.61	26.59	25,000	2,000	2,100	820	2,900	--	--	--	--	--	--	--	--
	06/19/03	23.45	49.61	26.16	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/03	25.65	49.61	23.96	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/04	--	49.61	--	24,000	2,500	200	1,400	2,800	--	--	--	--	--	--	--	--
	09/14/04	28.16	49.61	21.45	14,000	760	550	430	1,600	--	--	--	--	--	--	--	--
	03/29/06	19.87	49.61	29.74	17,000	2,000	1,200	910	2,400	--	--	--	--	--	--	--	--
	06/24/06	22.86	49.61	26.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/06	23.94	49.61	25.67	4,000	440	120	240	360	<50	--	--	--	--	--	--	--
	12/11/06	23.36	49.61	26.25	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/16/07	22.26	49.61	27.35	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/10/07	24.6	49.61	25.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/07	26.11	49.61	23.5	10,000	1,300	96	440	560	<50	--	--	--	--	--	--	--
	12/14/07	26.39	49.61	23.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	22.62	49.61	26.99	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	25.19	49.61	24.42	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	26.64	49.61	22.97	12,000	1,400	110	960	840	<300	--	--	--	--	--	--	--
	12/13/08	27.36	49.61	22.25	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/09	21.96	49.61	27.65	44,000	1,700	1,000	2,600	6,700	<250	--	--	--	--	--	--	--
	12/07/09	26.6	49.61	23.01	26,000	920	160	2,100	3,200	<250	--	--	--	--	--	--	--
	03/15/10	21.59	49.61	28.02	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/13/10	25.70	49.61	23.91	9,900	660	56	550	465	<2.5[5]	--	--	--	--	<5.0[5]	<10[5]	<5.0[5]



**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
 German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)	
MW-5	12/30/98	24.51	49.57	25.06	170	1.1	<0.5	<0.5	4.8	--	--	--	--	--	--	--	--	
	03/13/99	19.64	49.57	29.93	--	--	--	--	--	--	--	--	--	--	--	--	--	
	03/22/99	--	49.57	--	470	3.8	0.51	2	<0.5	--	--	--	--	--	--	--	--	
	09/29/99	25.31	49.57	24.26	1,200	13	4.2	2.7	4.2	--	--	--	--	--	--	--	--	
	03/18/00	25.93	49.57	23.64	660	5.5	0.62	1.6	1.7	--	--	--	--	--	--	--	--	
	03/28/02	17.63	49.57	31.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/29/06	--	49.57	--	190	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
	09/30/06	Dry	49.57	n/a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/07	Dry	49.57	n/a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/07	Dry	49.57	n/a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	Dry	49.57	n/a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	Dry	49.57	n/a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/08	Dry	49.57	n/a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/09	Dry	49.57	n/a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/09	Dry	49.57	n/a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/10	21.46	49.57	28.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/13/10	25.62	49.57	23.95	260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	<1.0	<2.0	18

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
 German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-6	12/30/98	22.92	48.06	25.14	400	1	<0.5	<0.5	4.8	--	--	--	--	--	--	--	--
	03/13/99	18.09	48.06	29.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/99	--	48.06	--	390	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	09/29/99	23.68	48.06	24.38	330	1.8	1.4	1.5	<0.5	--	--	--	--	--	--	--	--
	12/29/99	24.31	48.06	23.75	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/18/00	16.2	48.06	31.86	200	1.3	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	07/18/00	21.84	48.06	26.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/26/00	23.11	48.06	24.95	240	1.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/28/00	23.45	48.06	24.61	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/20/01	--	48.06	--	160	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	03/30/01	20.65	48.06	27.41	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/01	24.24	48.06	23.82	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/28/02	19.41	48.06	28.65	88	0.89	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	09/30/02	23.65	48.06	24.41	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/29/06	--	48.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/06	22.33	48.06	25.73	280	5.5	24	14	69	<5.0	--	--	--	--	--	--	--
	09/14/07	24.58	48.06	23.48	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	12/14/07	24.88	48.06	23.18	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	21.03	48.06	27.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	23.62	48.06	24.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	25.1	48.06	22.96	84	0.92	0.76	1.7	3.5	<5.0	--	--	--	--	--	--	--
	12/13/08	25.81	48.06	22.25	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/03/09	23.2	48.06	24.86	--	--	--	--	--	--	--	--	--	--	--	--	--
03/15/10	19.87	48.06	28.19	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/13/10	23.92	48.06	24.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	<1.0	<2.0	30

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
 German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-8	12/30/98	24.21	49.35	25.14	2,200	70	0.94	26	15	--	--	--	--	--	--	--	--
	03/13/99	--	49.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/99	--	49.35	--	2,300	34	1.1	15	13	--	--	--	--	--	--	--	--
	09/29/99	--	49.35	--	8,800	140	<50	53	<50	--	--	--	--	--	--	--	--
	12/29/99	--	49.35	--	1,900	64	1	22	23	--	--	--	--	--	--	--	--
	03/18/00	--	49.35	--	1,400	36	<0.5	12	9.3	--	--	--	--	--	--	--	--
	07/18/00	--	49.35	--	3,000	67	9.8	38	38	--	--	--	--	--	--	--	--
	09/26/00	--	49.35	--	1,200	24	3	24	15	--	--	--	--	--	--	--	--
	12/28/00	--	49.35	--	1,200	47	3.7	17	18	--	--	--	--	--	--	--	--
	03/20/01	--	49.35	--	1,300	7.8	<2.5	<2.5	14	<25	--	--	--	--	--	--	--
	03/30/01	--	49.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/01	--	49.35	--	1,800	28	<2.5	20	23	--	--	--	--	--	--	--	--
	03/28/02	--	49.35	--	1,100	12	1.7	11	10.8	--	--	--	--	--	--	--	--
	09/30/02	--	49.35	--	1,400	15	24	32	22	--	--	--	--	--	--	--	--
	09/30/06	24.07	49.35	25.28	760	4.9	31	13	64	<5.0	--	--	--	--	--	--	--
	03/16/07	--	49.35	--	370	<0.5	8.1	0.52	0.94	<5.0	--	--	--	--	--	--	--
	09/14/07	26.12	49.35	23.23	1,300	1.3	20	3	1.6	<5.0	--	--	--	--	--	--	--
	12/14/07	26.35	49.35	23	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	22.65	49.35	26.7	520	1.4	11	3.9	5.6	<5.0	--	--	--	--	--	--	--
	06/11/08	25.23	49.35	24.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	26.62	49.35	22.73	1,800	1.9	30	5	4	<25	--	--	--	--	--	--	--
	12/13/08	27.3	49.35	22.05	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/09	21.8	49.35	27.55	950	3.1	42	36	180	<5.0	--	--	--	--	--	--	--
	06/03/09	24.83	49.35	24.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/09	26.58	49.35	22.77	2,200	2.2	42	10	19	<5.0	--	--	--	--	--	--	--
	03/15/10	21.48	49.35	27.87	90	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
09/13/10	25.58	49.35	23.77	550	<0.50	<0.50	1.7	<0.50	--	--	--	--	--	<1.0	<2.0	<5.0	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-9	12/30/98	23.98	48.77	24.79	25,000	23	<10	180	620	--	--	--	--	--	--	--	--
	03/13/99	19.19	48.77	29.58	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/99	--	48.77	--	27,000	35	<20	600	920	--	--	--	--	--	--	--	--
	09/29/99	24.72	48.77	24.05	42,000	140	130	1,000	1,700	--	--	--	--	--	--	--	--
	12/29/99	25.32	48.77	23.45	1,100,000	1,200	1,300	4,300	8,700	--	--	--	--	--	--	--	--
	03/18/00	17.31	48.77	31.46	17,000	89	46	10	600	--	--	--	--	--	--	--	--
	07/18/00	22.94	48.77	25.83	12,000	39	8.2	540	760	--	--	--	--	--	--	--	--
	09/26/00	24.16	48.77	24.61	11,000	19	<5	470	610	--	--	--	--	--	--	--	--
	12/28/00	24.48	48.77	24.29	22,000	100	<100	610	770	--	--	--	--	--	--	--	--
	03/20/01	--	48.77	--	8,200	40	<10	14	210	<100	--	--	--	--	--	--	--
	03/30/01	21.65	48.77	27.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/01	25.23	48.77	23.54	77,000	<100	110	780	850	--	--	--	--	--	--	--	--
	03/28/02	20.45	48.77	28.32	11,000	34	6.1	220	180	--	--	--	--	--	--	--	--
	09/30/02	24.66	48.77	24.11	34,000	<125	140	240	370	--	--	--	--	--	--	--	--
	03/31/03	22.44	48.77	26.33	6,200	<12.5	<12.5	130	87	--	--	--	--	--	--	--	--
	06/19/03	22.87	48.77	25.9	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/03	25	48.77	23.77	9,700	52	<25	160	87	--	--	--	--	--	--	--	--
	02/10/04	22.13	48.77	26.64	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/04	24.55	48.77	24.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/04	25.69	48.77	23.08	9,500	48	<25	93	<50	--	--	--	--	--	--	--	--
	03/29/06	16.74	48.77	32.03	6,200	<0.5	<0.5	57	11	--	--	--	--	--	--	--	--
	06/24/06	22.43	48.77	26.34	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/06	23.4	48.77	25.37	2,200	3.7	31	37	40	<17	--	--	--	--	--	--	--
	12/11/06	22.78	48.77	25.99	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/16/07	21.76	48.77	27.01	3,200	2.2	37	18	2.9	--	--	--	--	--	--	--	--
	09/14/07	25.5	48.77	23.27	2,600	1.4	28	13	3.2	<5.0	--	--	--	--	--	--	--
	12/14/07	25.83	48.77	22.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	22.08	48.77	26.69	2,800	2.3	32	12	5.3	<5.0	--	--	--	--	--	--	--
	06/11/08	24.61	48.77	24.16	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	26.04	48.77	22.73	3,800	2.5	40	6.1	2.8	<100	--	--	--	--	--	--	--
	12/13/08	26.74	48.77	22.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/09	21.46	48.77	27.31	7,100	11	63	50	120	<50	--	--	--	--	--	--	--
	06/03/09	24.21	48.77	24.56	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/09	26.03	48.77	22.74	3,600	4	34	18	22	<5.0	--	--	--	--	--	--	--
	03/15/10	20.91	48.77	27.86	2,900	1.1	<1.0	11	<1.0	<1.0	--	--	--	--	--	--	--
	09/13/10	24.93	48.77	23.84	4,500	<2.0[5]	<2.0[5]	15	<2.0[5]	--	--	--	--	--	<4.0[5]	<8.0[5]	9.3

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
 German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-10	12/30/98	25.15	49.93	24.78	6,900	130	19	140	210	--	--	--	--	--	--	--	--
	03/13/99	20.62	49.93	29.31	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/99	--	49.93	--	6,600	150	33	240	170	--	--	--	--	--	--	--	--
	09/29/99	26.13	49.93	23.8	9,300	60	38	280	150	--	--	--	--	--	--	--	--
	12/29/99	26.7	49.93	23.23	5,800	87	10	420	180	--	--	--	--	--	--	--	--
	03/18/00	18.67	49.93	31.26	3,800	180	11	220	120	--	--	--	--	--	--	--	--
	07/18/00	24.38	49.93	25.55	9,100	120	33	210	130	--	--	--	--	--	--	--	--
	09/26/00	25.59	49.93	24.34	4,500	22	8.8	1.3	18	--	--	--	--	--	--	--	--
	12/28/00	25.9	49.93	24.03	3,900	55	13	98	38	--	--	--	--	--	--	--	--
	03/30/01	23.14	49.93	26.79	4,500	48	6	<5	23	81 / <5.0	--	--	--	--	--	--	--
	10/05/01	26.6	49.93	23.33	5,200	70	28	41	30	--	--	--	--	--	--	--	--
	03/28/02	21.87	49.93	28.06	7,400	45	20	210	66	--	--	--	--	--	--	--	--
	09/30/02	26.05	49.93	23.88	670	54	5.9	76	23	--	--	--	--	--	--	--	--
	03/31/03	23.87	49.93	26.06	5,700	31	38	67	27	--	--	--	--	--	--	--	--
	06/19/03	24.28	49.93	25.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/03	26.37	49.93	23.56	7,400	61	<50	<50	<100	--	--	--	--	--	--	--	--
	02/10/04	23.54	49.93	26.39	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/04	25.71	49.93	24.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/04	26.85	49.93	23.08	9,100	47	<25	51	<50	--	--	--	--	--	--	--	--
	03/29/06	20.18	49.93	29.75	6,800	140	18	270	160	--	--	--	--	--	--	--	--
	06/24/06	23.87	49.93	26.06	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/06	24.8	49.93	25.13	5,700	61	30	78	120	<100	--	--	--	--	--	--	--
	03/16/07	23.09	49.93	26.84	10,000	71	15	46	25	<50	--	--	--	--	--	--	--
	09/14/07	26.87	49.93	23.06	5,800	55	18	22	15	<10	--	--	--	--	--	--	--
	12/14/07	27.14	49.93	22.79	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	23.48	49.93	26.45	9,300	240	23	48	37	<50	--	--	--	--	--	--	--
	06/11/08	25.98	49.93	23.95	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	27.38	49.93	22.55	8,400	120	12	18	16	<250	--	--	--	--	--	--	--
	12/13/08	28.04	49.93	21.89	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/09	22.73	49.93	27.2	8,100	300	25	36	72	<250	--	--	--	--	--	--	--
12/07/09	27.33	49.93	22.6	8,400	160	26	32	34	<100	--	--	--	--	--	--	--	
03/15/10	22.27	49.93	27.66	5,200	110	4.1	29	16	<2.0	--	--	--	--	--	--	--	
09/13/10	26.88	49.93	23.05	6,800	43	2.5	31	13[5]	--	--	--	--	--	<4.0[5]	<8.0[5]	<5.0	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
 German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-11	12/30/98	23.15	47.93	24.78	80	<0.5	<0.5	0.93	1.6	--	--	--	--	--	--	--	--
	03/13/99	18.37	47.93	29.56	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/99	--	47.93	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	09/29/99	23.9	47.93	24.03	94	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/29/99	24.5	47.93	23.43	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/18/00	16.55	47.93	31.38	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	07/18/00	22.12	47.93	25.81	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/26/00	23.35	47.93	24.58	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/28/00	23.67	47.93	24.26	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/20/01	--	47.93	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	03/30/01	20.9	47.93	27.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/01	24.41	47.93	23.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/28/02	19.62	47.93	28.31	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--
	09/30/02	23.84	47.93	24.09	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/06	22.58	47.93	25.35	160	1.8	12	7.6	40	<5.0	--	--	--	--	--	--	--
	09/14/07	24.72	47.93	25.21	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	12/14/07	25	47.93	22.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	23.81	47.93	24.12	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	25.23	47.93	22.7	150	0.93	0.6	1.6	2.5	<5.0	--	--	--	--	--	--	--
	12/13/08	25.93	47.93	22	--	--	--	--	--	--	--	--	--	--	--	--	--
03/15/10	20.10	47.93	27.83	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/13/10	24.11	47.93	23.82	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	<1.0	<2.0	22

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
 German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-12	12/30/98	23.68	48.46	24.78	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/13/99	18.9	48.46	29.56	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/29/99	24.43	48.46	24.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/29/99	25.03	48.46	23.43	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/18/00	17.08	48.46	31.38	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/18/00	22.65	48.46	25.81	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/26/00	23.88	48.46	24.58	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/28/00	24.2	48.46	24.26	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/20/01	--	48.46	--	4,100	28	6.2	<5	16	90 / <5.0	--	--	--	--	--	--	--
	03/30/01	21.43	48.46	27.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/29/01	--	48.46	--	4,200	26	25	19	29	--	--	--	--	--	--	--	--
	10/05/01	24.94	48.46	23.52	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/01	--	48.46	--	5,300	9.7	<2.5	41	14	--	--	--	--	--	--	--	--
	03/28/02	20.15	48.46	28.31	4,900	20	<2.5	69	23	--	--	--	--	--	--	--	--
	06/28/02	--	48.46	--	2,600	29	<12.5	30	<25	--	--	--	--	--	--	--	--
	09/30/02	24.37	48.46	24.09	700	16	4.9	19	9.8	--	--	--	--	--	--	--	--
	09/30/06	22.58	48.46	26.18	2,100	6.2	15	16	38	<10	--	--	--	--	--	--	--
	12/11/06	23.88	48.46	24.88	5,500	13	24	16	23	<17	--	--	--	--	--	--	--
	03/16/07	21.77	48.46	26.99	4,900	11	24	16	8.5	<50	--	--	--	--	--	--	--
	06/10/07	24.06	48.46	24.7	2,600	<2.5	<2.5	13	9.5	<25	--	--	--	--	--	--	--
	09/14/07	--	48.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/07	25.77	48.46	22.99	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	--	48.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	24.6	48.46	23.86	6,200	11	21	26	8.1	<50	--	--	--	--	--	--	--
	09/05/08	25.97	48.46	22.49	5,000	7.3	15	12	5.9	<25	--	--	--	--	--	--	--
	12/13/08	26.66	48.46	21.8	4,400	7.6	19	12	9.4	<25	--	--	--	--	--	--	--
	03/14/09	21.36	48.46	27.1	6,800	16	19	20	60	<50	--	--	--	--	--	--	--
	06/03/09	24.2	48.46	24.26	6,400	6.5	24	25	6.1	<50	--	--	--	--	--	--	--
	12/07/09	--	48.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/10	20.89	48.46	27.57	5,100	5.0	<2.0	15	4.3	<2.0	--	--	--	--	--	--	--
	09/13/10	24.91	48.46	23.55	5,400	<2.0[5]	<2.0[5]	10	3.5	--	--	--	--	--	<4.0[5]	<8.0[5]	14

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
 German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
MW-13	12/30/98	24.73	49.51	24.78	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/13/99	19.95	49.51	29.56	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/29/99	25.48	49.51	24.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/29/99	26.08	49.51	23.43	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/18/00	18.13	49.51	31.38	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/18/00	23.7	49.51	25.81	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/26/00	24.93	49.51	24.58	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/28/00	25.25	49.51	24.26	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/20/01	--	49.51	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	03/30/01	22.48	49.51	27.03	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/29/01	--	49.51	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	10/05/01	25.99	49.51	23.52	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/21/01	--	49.51	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	03/28/02	21.2	49.51	28.31	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--
	06/28/02	--	49.51	--	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--
	09/30/02	25.42	49.51	24.09	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--
	12/21/02	--	49.51	--	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--
	09/30/06	22.58	49.51	26.93	170	2.1	13	8.1	43	<5.0	--	--	--	--	--	--	--
	12/11/06	25.33	49.51	24.18	110	4.6	6.5	4.6	17	<5.0	--	--	--	--	--	--	--
	03/16/07	23	49.51	26.51	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	06/10/07	25.5	49.51	24.01	54	0.8	0.84	1.3	5.4	<5.0	--	--	--	--	--	--	--
	09/14/07	26.85	49.51	22.66	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	12/14/07	27.11	49.51	22.4	<50	0.76	<0.5	2.3	2.6	<5.0	--	--	--	--	--	--	--
	03/12/08	23.5	49.51	26.01	<50	<0.5	<0.5	0.66	2.2	<5.0	--	--	--	--	--	--	--
	06/11/08	26.02	49.51	23.49	120	0.58	0.97	1.1	2	<5.0	--	--	--	--	--	--	--
	09/05/08	27.29	49.51	22.22	78	<0.5	0.6	0.98	2.1	<5.0	--	--	--	--	--	--	--
	12/13/08	27.96	49.51	21.55	59	0.93	<0.5	2.5	3.8	<5.0	--	--	--	--	--	--	--
	03/14/09	22.48	49.51	27.03	260	1.1	8.8	10	46	<5.0	--	--	--	--	--	--	--
	06/03/09	25.61	49.51	23.9	<50	<0.5	<0.5	0.65	0.69	<5.0	--	--	--	--	--	--	--
	12/07/09	27.40	49.51	22.11	190	1.2	1.6	5.8	13	<5.0	--	--	--	--	--	--	--
	03/15/10	22.26	49.51	27.25	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
	09/13/10	26.40	49.51	23.11	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	<1.0	<2.0	8.0



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 German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Grouwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)	
MW-14	12/30/98	24.76	49.54	24.78	--	--	--	--	--	--	--	--	--	--	--	--	--	
	03/13/99	19.98	49.54	29.56	--	--	--	--	--	--	--	--	--	--	--	--	--	
	09/29/99	25.51	49.54	24.03	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/29/99	26.11	49.54	23.43	--	--	--	--	--	--	--	--	--	--	--	--	--	
	03/18/00	18.16	49.54	31.38	--	--	--	--	--	--	--	--	--	--	--	--	--	
	07/18/00	23.73	49.54	25.81	--	--	--	--	--	--	--	--	--	--	--	--	--	
	09/26/00	24.96	49.54	24.58	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/28/00	25.28	49.54	24.26	--	--	--	--	--	--	--	--	--	--	--	--	--	
	03/20/01	--	49.54	--	--	200	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	03/30/01	22.51	49.54	27.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/29/01	--	49.54	--	--	660	<0.5	<0.5	<0.5	4.6	--	--	--	--	--	--	--	--
	10/05/01	26.02	49.54	23.52	770	1.7	1.5	0.91	8.3	--	--	--	--	--	--	--	--	--
	12/21/01	--	49.54	--	--	1,500	3.1	13	1.9	22	--	--	--	--	--	--	--	--
	03/28/02	21.23	49.54	28.31	390	1.7	<0.5	<0.5	0.74	--	--	--	--	--	--	--	--	--
	06/28/02	--	49.54	--	--	120	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	09/30/02	25.45	49.54	24.09	210	<0.5	1.7	<0.5	1.1	--	--	--	--	--	--	--	--	--
	12/21/02	--	49.54	--	--	53	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--
	09/30/06	22.58	49.54	26.96	210	2.5	15	9.1	48	<5.0	--	--	--	--	--	--	--	--
	12/11/06	24.9	49.54	24.64	190	6.7	9.9	5.4	19	<5.0	--	--	--	--	--	--	--	--
	03/16/07	22.67	49.54	26.87	<50	<0.5	1.1	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--
	06/10/07	25.11	49.54	24.43	73	1.1	1.3	1.8	7.2	<5.0	--	--	--	--	--	--	--	--
	09/14/07	26.56	49.54	22.98	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--
	12/14/07	26.8	49.54	22.74	69	1.1	0.57	3.5	4.5	<5.0	--	--	--	--	--	--	--	--
	03/01/08	23.03	49.54	26.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	--	49.54	--	--	110	0.61	1.2	1.2	3.6	<5.0	--	--	--	--	--	--	--
	06/11/08	25.69	49.54	23.85	52	<0.5	0.68	<0.5	1	<5.0	--	--	--	--	--	--	--	--
	09/05/08	27.04	49.54	22.5	95	<0.5	1.3	0.61	2.3	<5.0	--	--	--	--	--	--	--	--
	12/13/08	27.72	49.54	21.82	220	1.5	4.3	3.2	5.1	<5.0	--	--	--	--	--	--	--	--
	03/14/09	22.22	49.54	27.32	360	1.4	12	13	61	<5.0	--	--	--	--	--	--	--	--
	06/03/09	25.3	49.54	24.24	68	<0.5	1.9	0.81	1.1	<5.0	--	--	--	--	--	--	--	--
	12/07/09	27.1	49.54	22.44	220	1.3	2.7	6.9	15	<5.0	--	--	--	--	--	--	--	--
	03/15/10	21.94	49.54	27.60	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
09/13/10	26.05	49.54	23.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	<1.0	<2.0	11	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
 German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)	
MW-1A	05/30/97	--	48.24	--	12,000	18	8.7	90	540	--	--	--	--	--	--	--	--	
	12/30/98	23.6	48.24	24.64	51	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	
	03/13/99	18.85	48.24	29.39	--	--	--	--	--	--	--	--	--	--	--	--	--	
	03/23/99	--	48.24	--	1,800	4	<0.5	3	7.5	--	--	--	--	--	--	--	--	
	03/23/99	--	48.24	--	2,200	10	0.52	3.1	7.1	--	--	--	--	--	--	--	--	
	09/29/99	24.35	48.24	23.89	13,000	63	26	30	72	--	--	--	--	--	--	--	--	
	12/29/99	24.95	48.24	23.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/08/00	--	48.24	--	6,100	36	<5	9.7	45	--	--	--	--	--	--	--	--	--
	03/18/00	16.99	48.24	31.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/18/00	22.6	48.24	25.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/26/00	23.76	48.24	24.48	11,000	14	<5	65	150	--	--	--	--	--	--	--	--	--
	12/28/00	24.11	48.24	24.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/30/01	21.22	48.24	27.02	4,800	30	6	<5	7	51 / <5.0	--	--	--	--	--	--	--	--
	10/05/01	24.86	48.24	23.38	15,000	76	41	36	140	--	--	--	--	--	--	--	--	--
	03/28/02	20.1	48.24	28.14	9,300	35	<12.5	17	32	--	--	--	--	--	--	--	--	--
	09/30/02	24.28	48.24	23.96	23,000	<50	63	77	230	--	--	--	--	--	--	--	--	--
	09/30/06	23.03	48.24	25.21	2,500	4.1	25	22	49	<5.0	--	--	--	--	--	--	--	--
	03/16/07	--	48.24	--	1,800	1.8	17	6.4	4.4	<5.0	--	--	--	--	--	--	--	--
	09/14/07	25.13	48.24	23.11	1,500	1.1	15	2.8	1.8	<5.0	--	--	--	--	--	--	--	--
	12/14/07	25.43	48.24	22.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/08	21.75	48.24	26.49	1,200	2.1	12	5	3.6	<5.0	--	--	--	--	--	--	--	--
	06/11/08	24.24	48.24	24	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	25.62	48.24	22.62	1,900	2.4	14	10	5.4	<5.0	--	--	--	--	--	--	--	--
12/13/08	26.33	48.24	21.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/14/09	21.07	48.24	27.17	1,700	2.5	13	11	32	<5.0	--	--	--	--	--	--	--	--	
03/15/10	20.52	48.24	27.72	2,400	<0.50	<0.50	5.5	2.3	<0.50	--	--	--	--	--	--	--	--	
09/13/10	24.55	48.24	23.69	2,800	<0.50	<0.50	7.6	2.4	--	--	--	--	--	--	<1.0	<2.0	6.9	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
 German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
<b>141 Farrelly</b>	04/06/96	--	48.76	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	10/02/99	--	48.76	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	03/18/00	17.9	48.76	30.86	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	07/13/00	--	48.76	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	09/26/00	24.66	48.76	24.1	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/29/00	--	48.76	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0 [3]	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	03/20/01	--	48.76	--	--	--	--	--	--	<5.0 [3]	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	03/30/01	22.25	48.76	26.51	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/01	--	48.76	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	09/30/02	25.34	48.76	23.42	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--
	12/21/02	20.07	48.76	28.69	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--
	06/19/03	23.55	48.76	25.21	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--
	09/14/04	26.12	48.76	22.64	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--
	03/16/07	22.28	48.76	26.48	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	09/14/07	25.98	48.76	22.78	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	03/12/08	--	48.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/11/08	--	48.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/05/08	26.48	48.76	22.28	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	12/13/08	27.2	48.76	21.56	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
	03/14/09	--	48.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/03/09	25.83	48.76	22.93	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	
12/07/09	--	48.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/15/10	--	48.76	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	
09/13/10	--	48.76	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	<1.0	<2.0	<5.0

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
 German Autocraft, 301 E. 14th Street, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	GRO[1] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE [3,4] (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Lead (Pb) (µg/L)
<b>Legend/Key:</b>				<b>Analytical Methods:</b>													
GRO = Gasoline Range Organics C4-C13				GRO analyzed according to EPA Method 8015B													
MTBE = Methyl tertiary butyl ether				BTEX and MTBE analyzed according to EPA Method 8020/8021B prior to 2010													
TBA = Tertiary butyl alcohol				Beginning in 2010, BTEX, MTBE, TBA, DIPE, ETBE, and TAME analyzed by EPA Method 8260B													
DIPE = Di-isopropyl ether																	
ETBE = Ethyl tertiary butyl ether																	
TAME = Tertiary amyl methyl ether																	
1,2-DCA = 1,2-Dichloroethane				<b>Laboratory Qualifiers/Flags/Notes:</b>													
EDB = 1,2-Dibromoethane				[1] GRO reported as Total Petroleum Hydrocarbons as Gasoline (TPHg) prior to 2010													
-- = not measured, not analyzed, or not available				[2] This value may be inaccurate. <i>Second Quarter 1996 Environmental Activities Report</i> , dated August 8, 1996 by Environmental Testing & Management casts doubt on the validity of this laboratory result.													
ft msl = feet above mean sea level				[3] When two MTBE results listed, the first is by EPA 8020/8021 and second is confirmation by 8260. If only one result, by 8260													
µg/L = micrograms per liter				[4] All MTBE results by EPA 8020, except where qualified by [3] and during 3/15/10 event when analyzed by 8260													
Analytical data present here prior to first quarter 2010 provided by Groundwater Cleaners, Inc. Stratus has not reviewed laboratory reports and makes no representations regarding accuracy of these data.				[5] Reporting limits were increased due to high concentrations of target analytes													

**TABLE 2**  
**DOOR TO DOOR SURVEY RESULTS**  
 German Autocraft  
 301 East 14th Street, San Leandro, California

Date of Visit	Address	Well	Basement	Map ID #	Notes
<b>WELLS</b>					
1/17/2011	91 Broadmoor Blvd	--	--	1	Water Well Drillers Report Exists/No Answer
1/25/2011	91 Broadmoor Blvd	--	--		Second Visit/No Answer
1/17/2011	93 Broadmoor Blvd	--	--	2	Water Well Drillers Report Exists/No Answer
1/25/2011	93 Broadmoor Blvd	--	--		Second Visit/No Answer
1/17/2011	141 Farrelly Dr	Yes	No	3	Existance confirmed; no WDR exists
1/17/2011	74 Euclid Ave	--	--	4	Water Well Drillers Report Exists/No Answer
1/25/2011	74 Euclid Ave	--	--		Second Visit/No Answer
<b>BASEMENTS</b>					
1/17/2011	55 Broadmoor Blvd	No	Yes	5	--
1/17/2011	180 Broadmoor Blvd	No	Yes	6	--
1/17/2011	194 Broadmoor Blvd	No	Yes	7	--
1/17/2011	66 Cambridge Ave	No	Yes	8	--
1/17/2011	80 Cambridge Ave	No	Yes	9	--
1/17/2011	328 E 14th St	No	Yes	10	--
1/17/2011	136 Farrelly Dr	No	Yes	11	--
1/17/2011	198 Stoakes Ave	No	Yes	12	--
<b>NO WELLS OR BASEMENTS</b>					
1/17/2011	141 Belleview Dr	No	No		Apartments
1/17/2011	145 Belleview Dr	No	No		--
1/17/2011	164 Belleview Dr	No	No		--
1/17/2011	165 Belleview Dr	No	No		Apartments
1/17/2011	185 Belleview Dr	No	No		Apartments
1/17/2011	211 Belleview Dr	No	No		--
1/17/2011	216 Belleview Dr	No	No		--
1/17/2011	250 Belleview Dr	No	No		--
1/17/2011	224 Broadmoor Blvd	No	No		--
1/17/2011	225 Broadmoor Blvd	No	No		--
1/17/2011	39 Cambridge Ave	No	No		--
1/17/2011	86 Cambridge Ave	No	No		Apartments
1/17/2011	105 E 14th St	No	No		--
1/17/2011	107 E 14th St	No	No		--
1/17/2011	109 E 14th St	No	No		Business
1/17/2011	135 Farrelly Dr	No	No		--
1/17/2011	151 Farrelly Dr	No	No		--
1/17/2011	135 Farrelly Dr	No	No		--
1/17/2011	151 Farrelly Dr	No	No		--
1/17/2011	171 Farrelly Dr	No	No		--
1/17/2011	181 Farrelly Dr	No	No		--
1/17/2011	184 Farrelly Dr	No	No		--
1/17/2011	112 Garcia Ave	No	No		Apartments
1/17/2011	204 Garcia Ave	No	No		--
1/17/2011	210 Garcia Ave	No	No		--
1/17/2011	225 Garcia Ave	No	No		--
1/17/2011	220 Lafayette Ave	No	No		Apartments
1/17/2011	349 Lafayette Ave	No	No		--
1/17/2011	363 Lafayette Ave	No	No		--
1/17/2011	159 Lexington Ave	No	No		--
1/17/2011	184 Pontiac St	No	No		--
1/17/2011	352 Rosewood Ct	No	No		--
<b>NO ANSWER/INFORMATION</b>					
1/17/2011	188 Belleview Dr	--	--		No Answer
1/17/2011	205 Belleview Dr	--	--		No Answer
1/17/2011	210 Belleview Dr	--	--		No Answer
1/17/2011	217 Belleview Dr	--	--		No Answer
1/17/2011	224 Belleview Dr	--	--		No Answer
1/17/2011	225 Belleview Dr	--	--		No Answer
1/17/2011	230 Belleview Dr	--	--		No Answer
1/17/2011	231 Belleview Dr	--	--		No Answer
1/17/2011	236 Belleview Dr	--	--		No Answer
1/17/2011	237 Belleview Dr	--	--		No Answer
1/17/2011	242 Belleview Dr	--	--		No Answer
1/17/2011	141 Broadmoor Blvd	--	--		Apartments
1/17/2011	157 Broadmoor Blvd	--	--		Apartments
1/17/2011	158 Broadmoor Blvd	--	--		Apartments

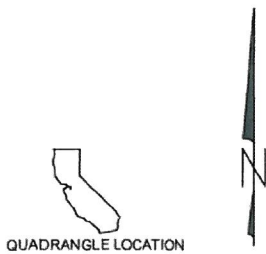
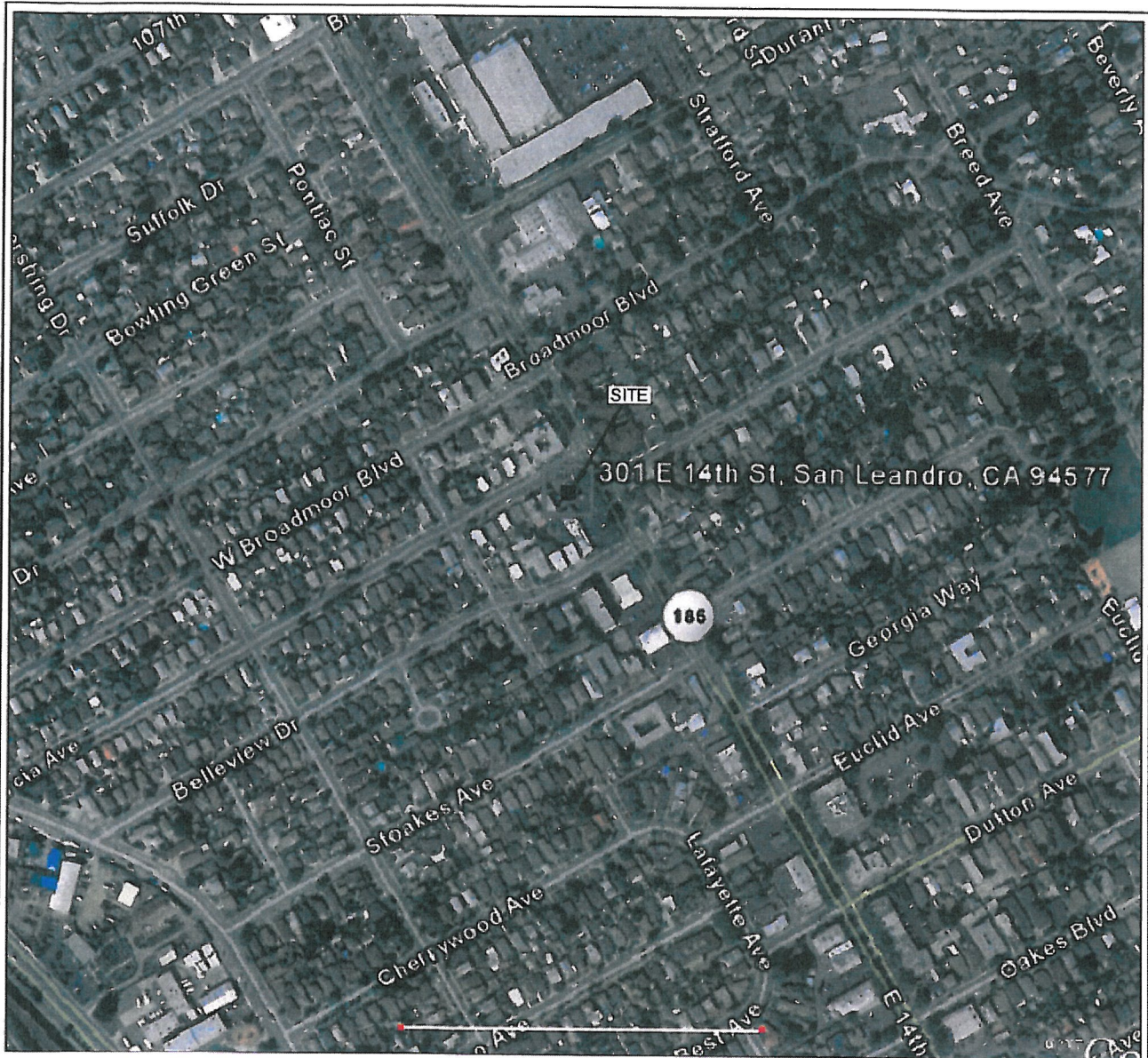
**TABLE 2**  
**DOOR TO DOOR SURVEY RESULTS**  
German Autocraft  
301 East 14th Street, San Leandro, California

Date of Visit	Address	Well	Basement	Map ID #	Notes
1/17/2011	164 Broadmoor Blvd	--	--		Apartments
1/17/2011	172 Broadmoor Blvd	--	--		Apartments
1/17/2011	173 Broadmoor Blvd	--	--		Apartments
1/17/2011	174 Broadmoor Blvd	--	--		Apartments
1/17/2011	185 Broadmoor Blvd	--	--		Apartments
1/17/2011	188 Broadmoor Blvd	--	--		--
1/17/2011	193 Broadmoor Blvd	--	--		Apartments
1/17/2011	200 Broadmoor Blvd	--	--		No Answer
1/17/2011	205 Broadmoor Blvd	--	--		No Answer
1/17/2011	208 Broadmoor Blvd	--	--		No Answer
1/17/2011	211 Broadmoor Blvd	--	--		No Answer
1/17/2011	212 Broadmoor Blvd	--	--		No Answer
1/17/2011	216 Broadmoor Blvd	--	--		No Answer
1/17/2011	217 Broadmoor Blvd	--	--		No Answer
1/17/2011	17 Cambridge Ave	--	--		No Answer
1/17/2011	31 Cambridge Ave	--	--		No Answer
1/17/2011	48 Cambridge Ave	--	--		No Answer
1/17/2011	50 Cambridge Ave	--	--		No Answer
1/17/2011	65 Cambridge Ave	--	--		No Answer
1/17/2011	79 Cambridge Ave	--	--		No Answer
1/17/2011	91 Cambridge Ave	--	--		No Answer
1/17/2011	330 E 14th St	--	--		No Answer
1/17/2011	370 E 14th St	--	--		No Answer
1/17/2011	123 Farrelly Dr	--	--		No Answer
1/17/2011	160 Farrelly Dr	--	--		No Answer
1/17/2011	161 Farrelly Dr	--	--		No Answer
1/17/2011	172 Farrelly Dr	--	--		No Answer
1/17/2011	133 Garcia Ave	--	--		Apartments
1/17/2011	134 Garcia Ave	--	--		Apartments
1/17/2011	144 Garcia Ave	--	--		--
1/17/2011	145 Garcia Ave	--	--		--
1/17/2011	158 Garcia Ave	--	--		--
1/17/2011	159 Garcia Ave	--	--		--
1/17/2011	170 Garcia Ave	--	--		--
1/17/2011	171 Garcia Ave	--	--		--
1/17/2011	182 Garcia Ave	--	--		--
1/17/2011	183 Garcia Ave	--	--		--
1/17/2011	194 Garcia Ave	--	--		--
1/17/2011	195 Garcia Ave	--	--		No Answer
1/17/2011	205 Garcia Ave	--	--		No Answer
1/17/2011	211 Garcia Ave	--	--		No Answer
1/17/2011	216 Garcia Ave	--	--		No Answer
1/17/2011	219 Garcia Ave	--	--		No Answer
1/17/2011	224 Garcia Ave	--	--		No Answer
1/17/2011	230 Garcia Ave	--	--		No Answer
1/17/2011	351 Lafayette Ave	--	--		No Answer
1/17/2011	360 Lafayette Ave	--	--		No Answer
1/17/2011	182 Stoakes Ave	--	--		No Answer
1/17/2011	220 Stoakes Ave	--	--		No Answer
1/17/2011	230 Stoakes Ave	--	--		No Answer
1/17/2011	22 Sunnyside Dr	--	--		No Answer
1/17/2011	42 Sunnyside Dr	--	--		No Answer
1/17/2011	60 Sunnyside Dr	--	--		No Answer
1/17/2011	66 Sunnyside Dr	--	--		No Answer

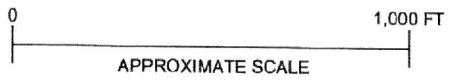
NOTES:

-- = Denotes that no additional information was obtained

WDR = Well Driller's Report



QUADRANGLE LOCATION

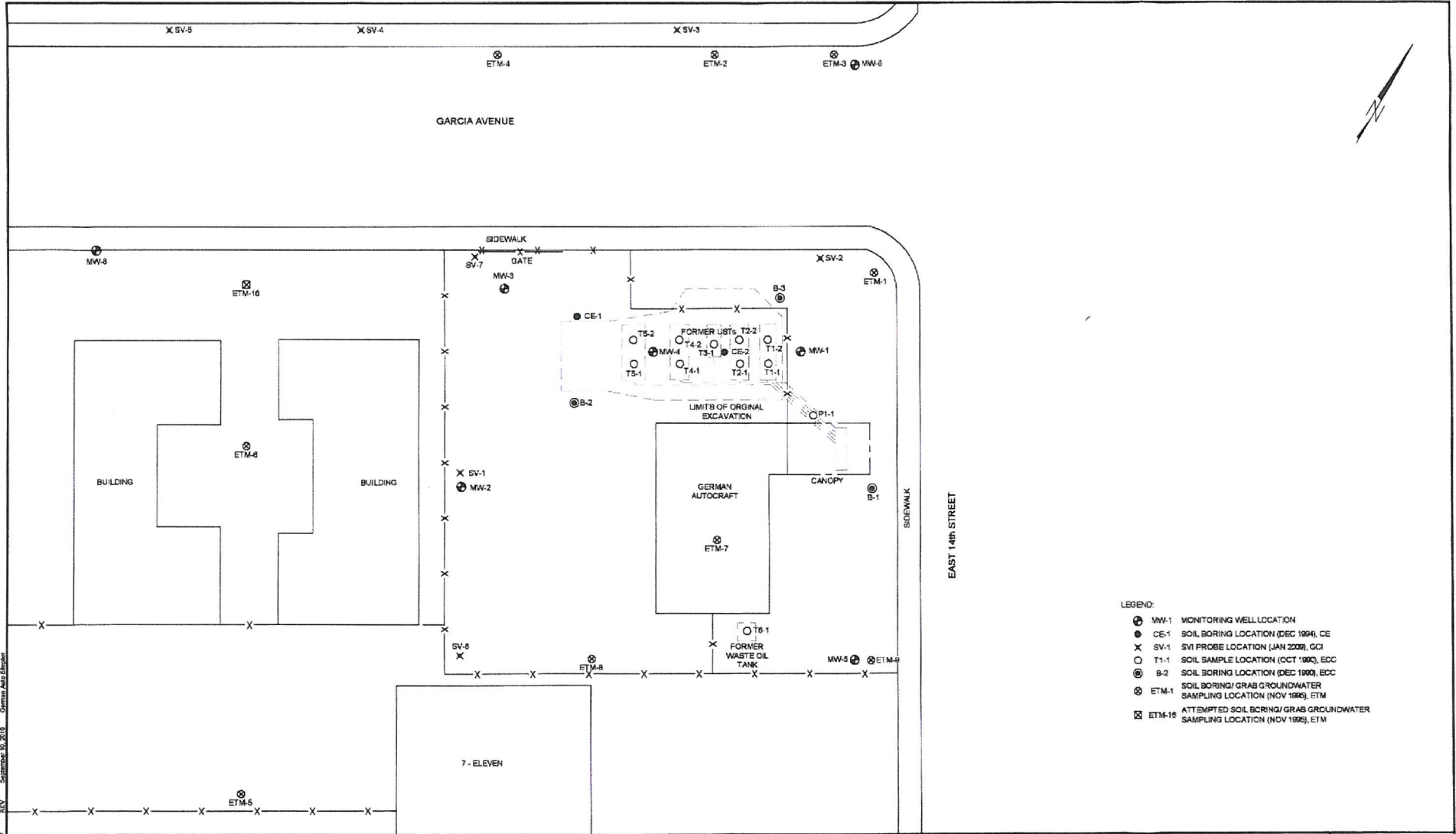


GERMAN AUTOCRAFT  
 301 EAST 14th STREET  
 SAN LEANDRO, CALIFORNIA

SITE LOCATION MAP

FIGURE  
 1

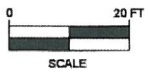
PROJECT NO.  
 2076-0301-01



- LEGEND:
- MW-1 MONITORING WELL LOCATION
  - CE-1 SOIL BORING LOCATION (DEC 1994), CE
  - X SV-1 SVI PROBE LOCATION (JAN 2009), GCI
  - T1-1 SOIL SAMPLE LOCATION (OCT 1990), ECC
  - ⊙ B-2 SOIL BORING LOCATION (DEC 1990), ECC
  - ⊗ ETM-1 SOIL BORING/ GRAB GROUNDWATER SAMPLING LOCATION (NOV 1999), ETM
  - ⊠ ETM-16 ATTEMPTED SOIL BORING/ GRAB GROUNDWATER SAMPLING LOCATION (NOV 1999), ETM

REV: September 10, 2013 German Auto Excavation

**STRATUS**  
ENVIRONMENTAL, INC.

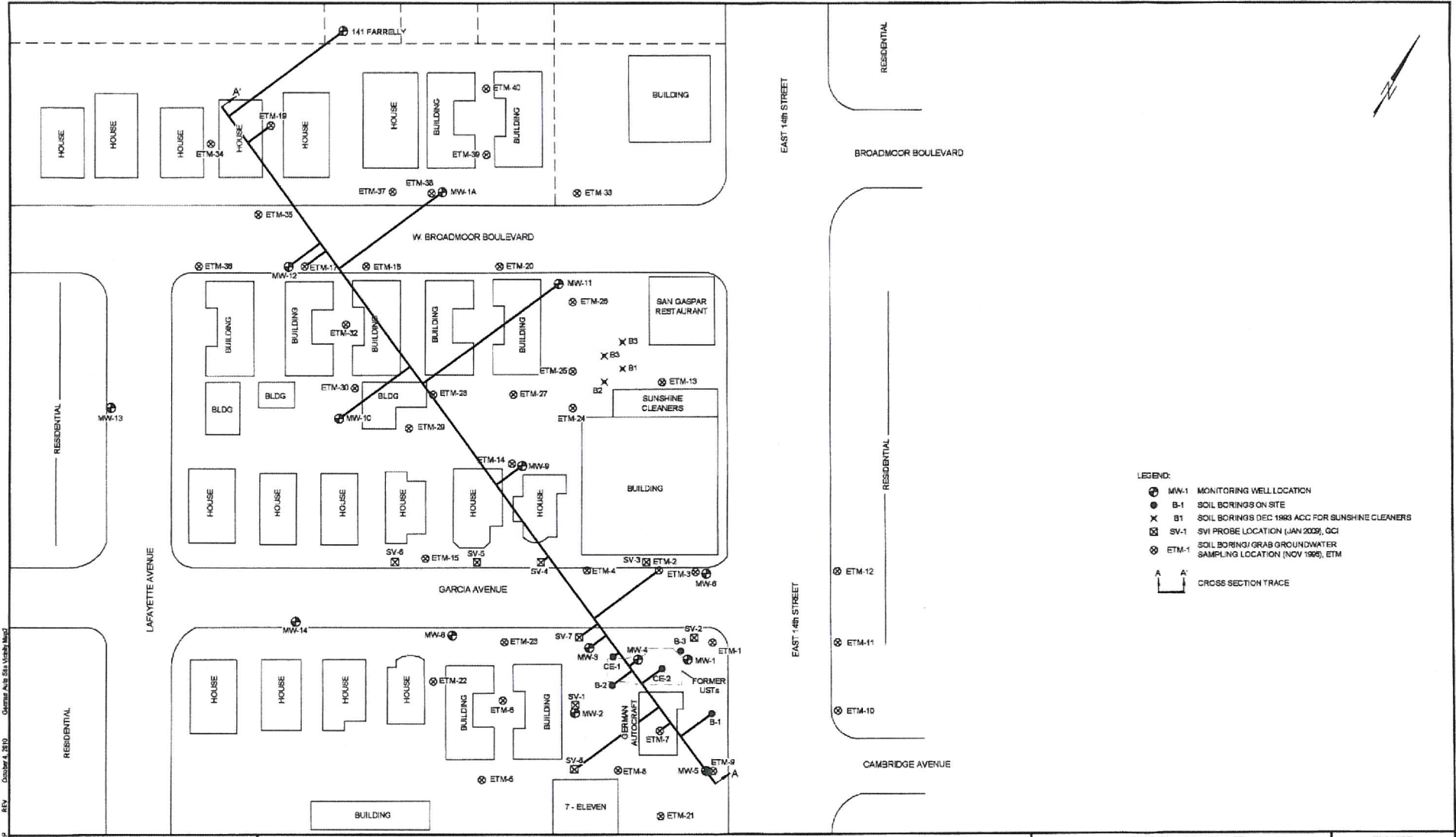


GERMAN AUTOCRAFT  
301 EAST 14th STREET  
SAN LEANDRO, CALIFORNIA

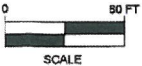
SITE PLAN

FIGURE  
**2**  
PROJECT NO.  
2076-0301-01





- LEGEND:
- ⊕ MW-1 MONITORING WELL LOCATION
  - B-1 SOIL BORINGS ON SITE
  - X B1 SOIL BORINGS DEC 1993 ACC FOR SUNSHINE CLEANERS
  - ⊗ SV-1 SVI PROBE LOCATION (JAN 2002), GCI
  - ⊗ ETM-1 SOIL BORING/GRAB GROUNDWATER SAMPLING LOCATION (NOV 1995), ETM
- A A  
CROSS SECTION TRACE



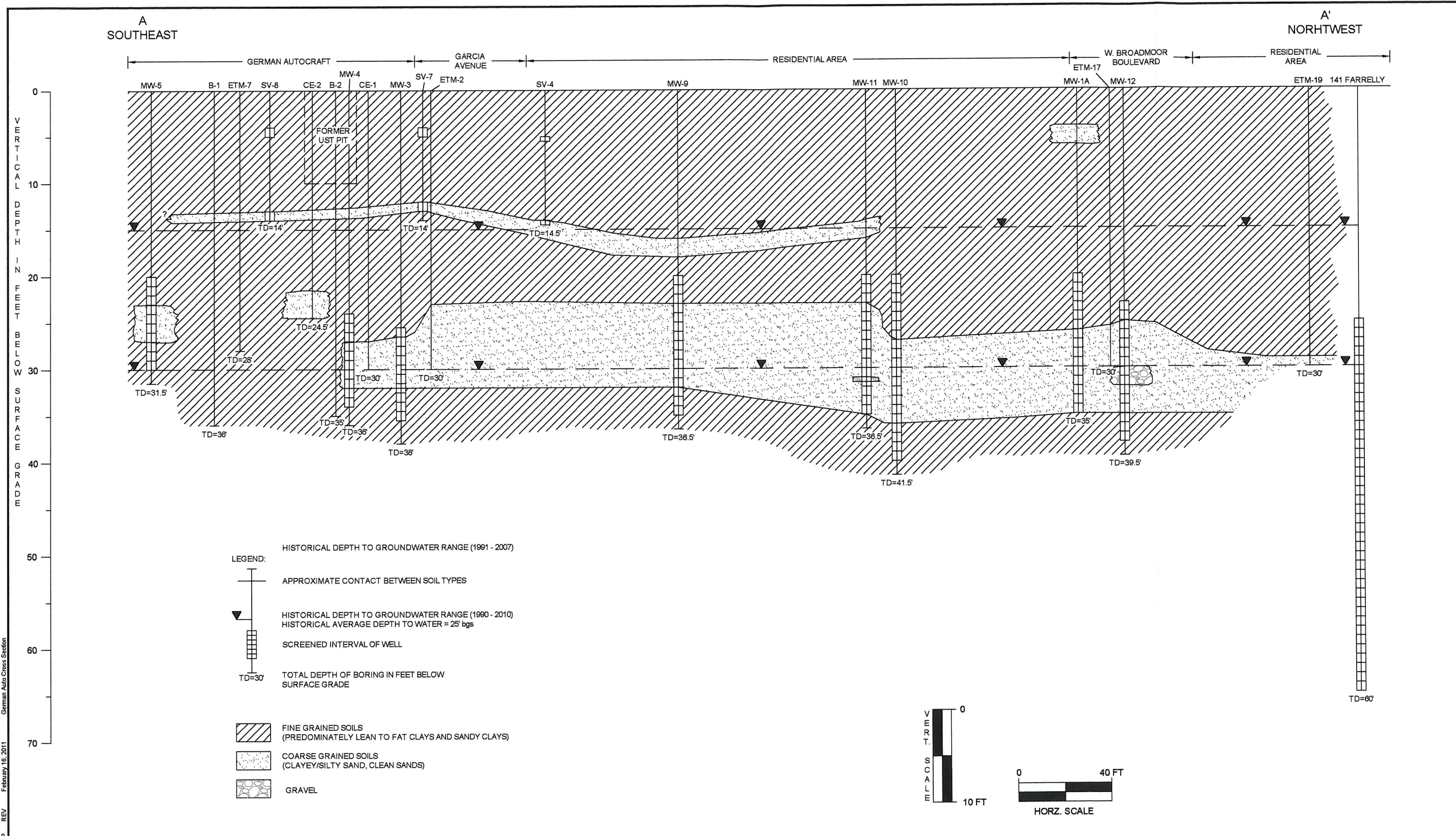
GERMAN AUTOCRAFT  
301 EAST 14th STREET  
SAN LEANDRO, CALIFORNIA

SITE VICINITY MAP

FIGURE  
**3**  
PROJECT NO.  
2076-0301-01

STRATUS ENVIRONMENTAL, INC. 2076-0301-01-3  
 DATE: 10/24/02  
 BY: GARY A. HUBBARD

**STRATUS**  
ENVIRONMENTAL, INC.



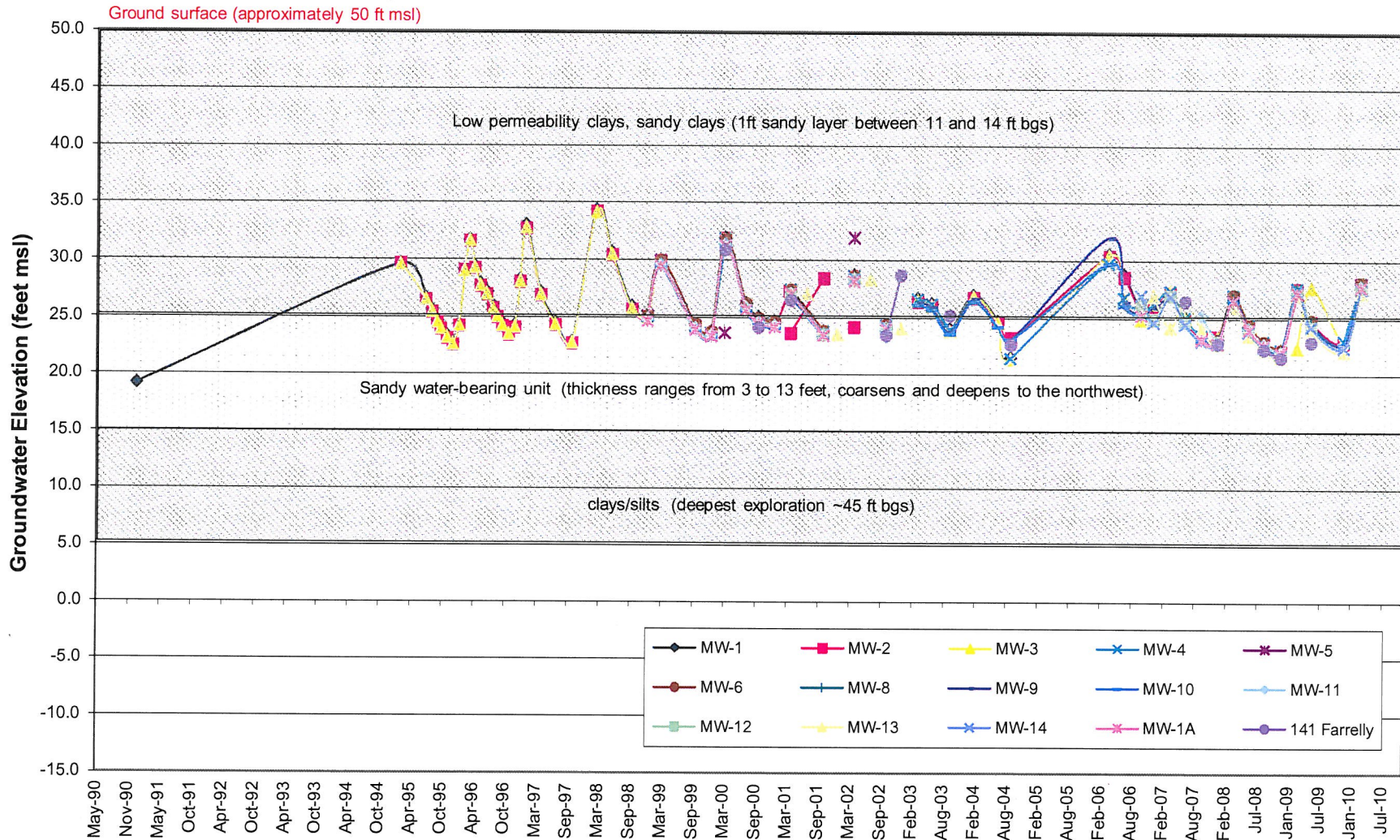
February 16, 2011  
 REV  
 JMP  
 German Auto Utility



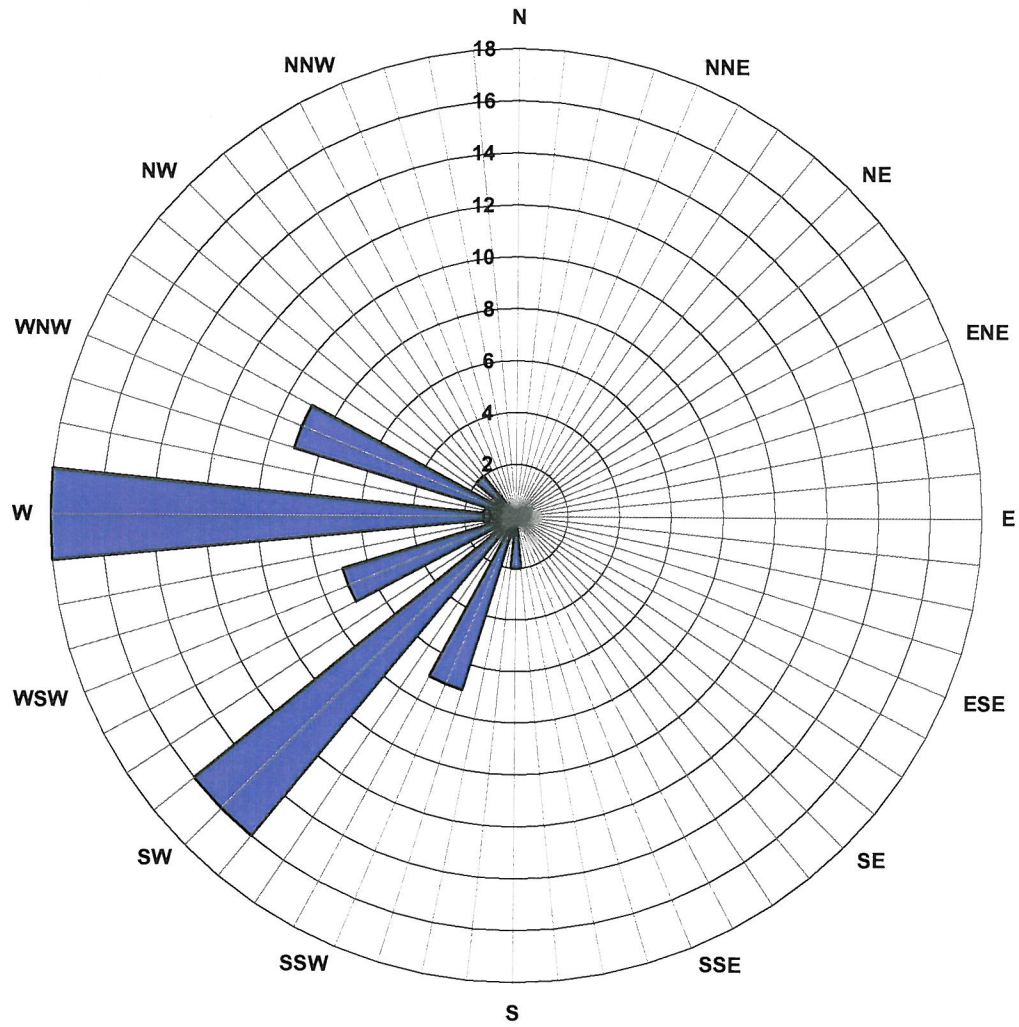
GERMAN AUTOCRAFT  
 301 EAST 14th STREET  
 SAN LEANDRO, CALIFORNIA  
 GEOLOGIC CROSS SECTION A-A'

FIGURE  
**4**  
 PROJECT NO.  
 2076-0301-01

**FIGURE 5**  
**Groundwater Elevations vs. Time (Showing Conceptualized Hydrogeologic Conditions)**  
 German Autocraft, 301 E 14th Street, San Leandro



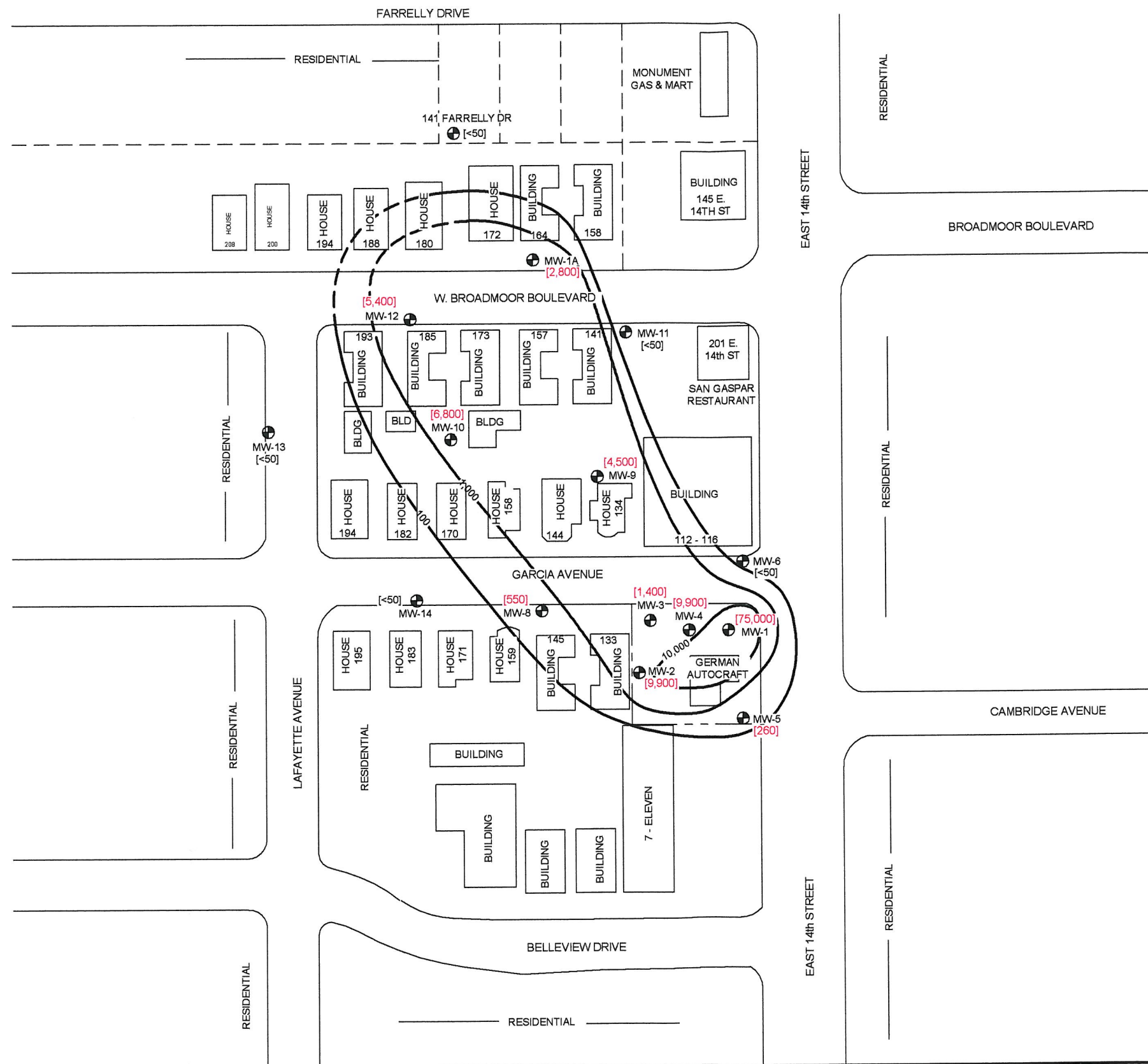
**Figure 6**  
**Historical Groundwater Flow Direction Rose Diagram**  
German Autocraft, 301 East 14th Street, San Leandro, California



Legend  
Concentric circles represent number of quarterly monitoring events

Figure represents data collected between 2/10/1995 and present

61 Events Shown



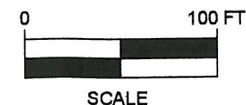
LEGEND:

- MW-1 MONITORING WELL LOCATION
- [<50] GASOLINE RANGE ORGANICS (GRO) CONCENTRATION IN µg/L
- 100 ISO-CONCENTRATION CONTOUR LINE, DASHED WHERE APPROXIMATE

ALL WELLS SAMPLED ON 9/13/10  
GRO ANALYZED BY EPA METHOD 8015B

REV February 16, 2011 German Auto Quarterly  
JMP  
German Auto Utility

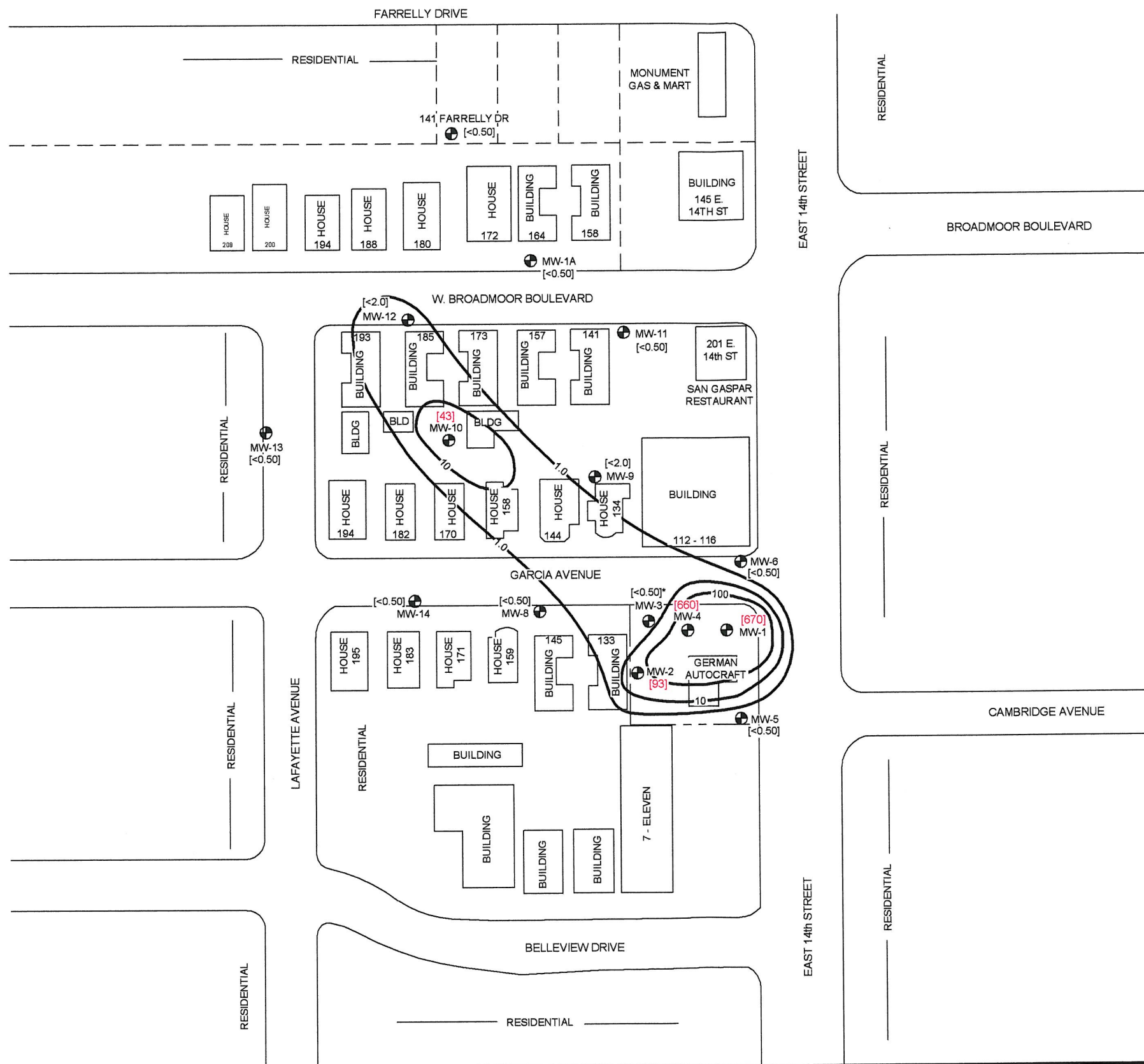
STRATUS ENVIRONMENTAL, INC.



GERMAN AUTOCRAFT  
301 EAST 14th STREET  
SAN LEANDRO, CALIFORNIA

GRO ISO-CONCENTRATION CONTOUR MAP  
3rd QUARTER 2010

FIGURE  
7  
PROJECT NO.  
2076-0301-01

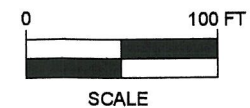


LEGEND:

- ⊕ MW-1 MONITORING WELL LOCATION
- [<0.50] BENZENE CONCENTRATION IN µg/L
- 10 — ISO-CONCENTRATION CONTOUR LINE, DASHED WHERE APPROXIMATE
- ALL WELLS SAMPLED ON 9/13/10
- BENZENE ANALYZED BY EPA METHOD 8260B
- \* NOT USED IN CONTOUR CONSTRUCTION

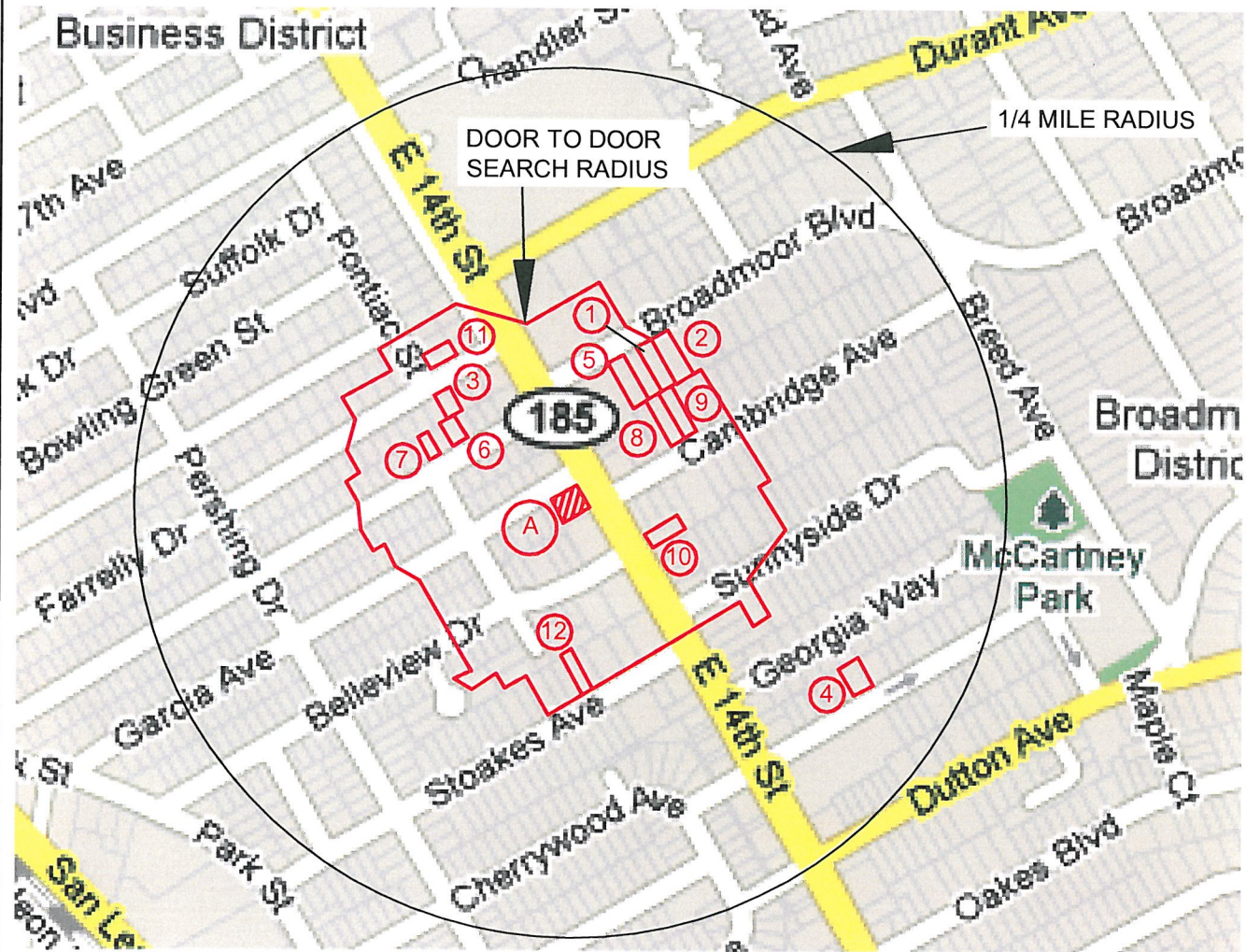
JMP REV February 16, 2011 German Auto Quarterly  
 German Auto Utility

**STRATUS**  
ENVIRONMENTAL, INC.



GERMAN AUTOCRAFT  
 301 EAST 14th STREET  
 SAN LEANDRO, CALIFORNIA  
 BENZENE ISO-CONCENTRATION CONTOUR MAP  
 3rd QUARTER 2010

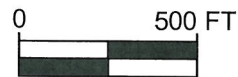
FIGURE  
**8**  
 PROJECT NO.  
 2076-0301-01



LEGEND:

① NUMBER CORRESPONDS TO ADDRESS AND INFORMATION ON TABLE 2

Ⓐ SITE LOCATION



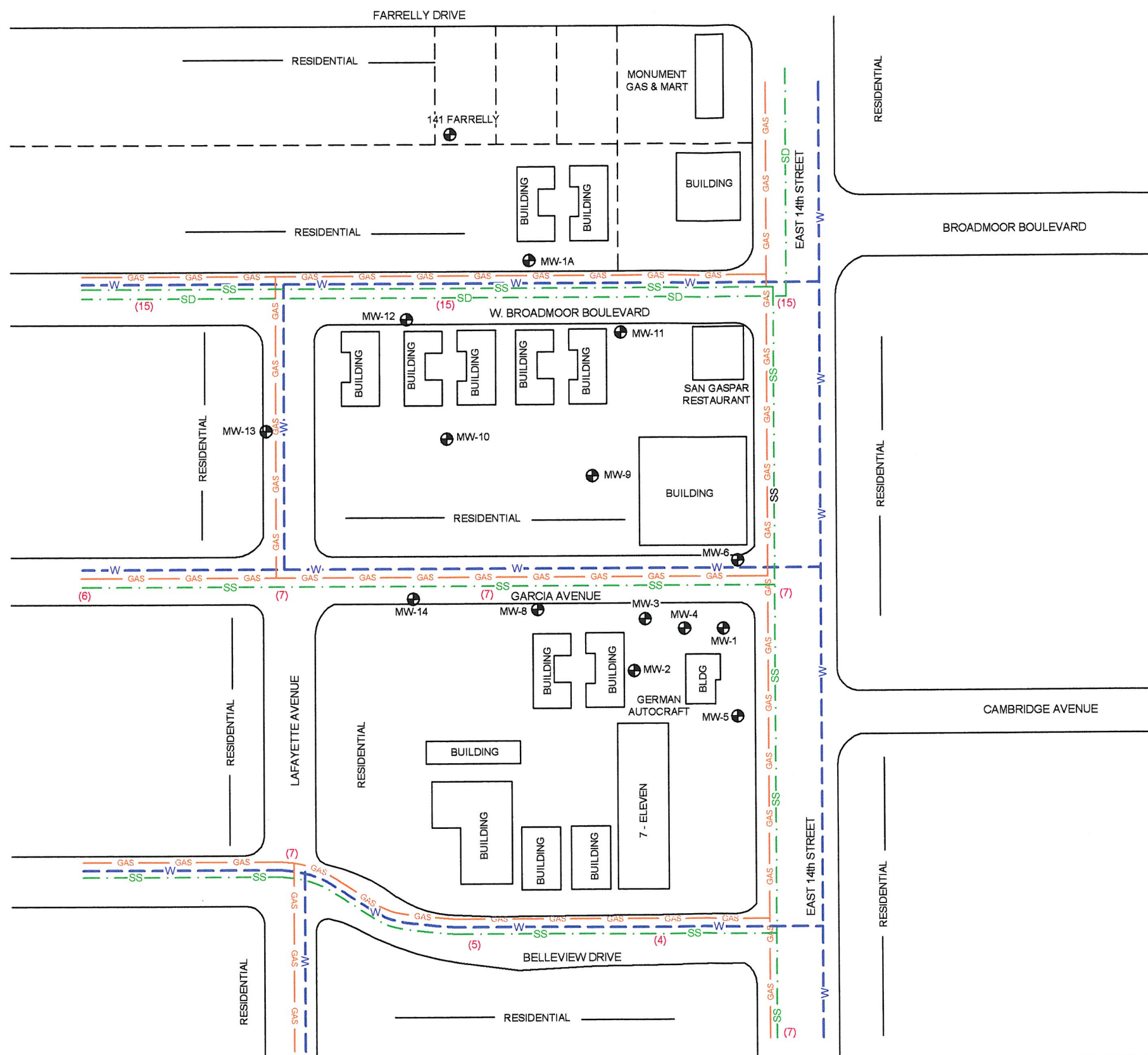
GERMAN AUTOCRAFT  
301 EAST 14th STREET  
SAN LEANDRO, CALIFORNIA

DOOR TO DOOR SURVEY MAP

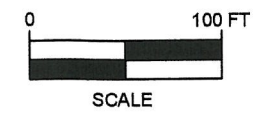
FIGURE

9

PROJECT NO.  
2076-0301-01



- LEGEND:**
- MW-1 MONITORING WELL LOCATION
- UTILITIES**
- GAS NATURAL GAS LINE (3" DIAMETER)
  - W WATER LINE (2" DIAMETER)
  - SD STORM DRAIN (38" - 68" DIAMETER)
  - SS SANITARY SEWER (6" - 10" DIAMETER)
  - (7) MAXIMUM UTILITY DEPTH (IN FEET) IN IMMEDIATE AREA



**STRATUS**  
ENVIRONMENTAL, INC.

GERMAN AUTOCRAFT  
301 EAST 14th STREET  
SAN LEANDRO, CALIFORNIA

UTILITY MAP

FIGURE  
**10**  
PROJECT NO.  
2076-0301-01

REV February 15, 2011 German Auto Site Vicinity Map



**APPENDIX A**  
**ACEHD CORRESPONDENCE**



ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

October 27, 2009

Mr. Seung Lee  
German Autocraft  
350 Cherrywood Avenue  
San Leandro, CA 94577

William Andrade II  
PO Box 2786  
Dublin, CA 94588

Sephen & Elizabeth Wilhelm  
12770 Skyline Blvd  
Oakland, CA 94619-3125

Subject: Request for Soil and Groundwater Investigation; Fuel Leak Case No. RO0000302 and Geotracker Global ID T0600100639, German Autocraft, 301 East 14<sup>th</sup> Street, San Leandro, CA 94577-1713

Dear Mr. Lee:

I have been recently been assigned to your case. It would be greatly appreciated if you would send all future correspondences or inquiries to my attention. First, thank you for submitting the *Soil Vapor Investigation Report*, dated February 27, 2009 (received March 13, 2009), the *DPE / AS Feasibility Study*, dated March 31, 2009 (received April 13, 2009), and the *Revised Soil Vapor Investigation Report*, dated April 30, 2009 (received May 12, 2009), the latter to principally revise and correct soil vapor laboratory analytical results. All reports were generated by Groundwater Cleaners, Inc (GCI). These reports are a step in moving the site forward. Please note for future reference that all reports are required to have a signed perjury statement; only one of these reports did.

Based on Alameda County Environmental Health (ACEH) review of these reports and the case file we request that you address the following technical comments and send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred – [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org)) prior to the start of field activities.

#### **TECHNICAL COMMENTS**

1. **Soil Vapor Assessment** – Characterization of petroleum hydrocarbon soil vapor plume at the site is not complete as the lateral extent of vapor-phase contamination has not been determined towards the west of the subject site. With the proviso that preferential pathways do not exist to negate the findings, the data collected at downgradient vapor sampling points appear to indicate that a soil barrier exists between groundwater and sensitive receptors to adequately attenuate hydrocarbon vapors.

As reported by GCI, soil vapor collected at two depths at the majority of soil vapor sampling locations are below residential ESL goals in the mixed residential and commercial district that is downgradient of the subject site. The highest benzene in soil vapor sample (270 micrograms per meter [ $\mu\text{g/L}$ ] at 5 feet below grade surface [bgs]) is above the residential ESL goal but was collected in proximity to predominately un-remediated soil in the former underground storage tank (UST) basin (SV-2), while all other sampling locations at both depth intervals contained benzene below residential ESL goals. The highest Total Petroleum Hydrocarbons (TPH) as gasoline concentrations however, were also collected onsite at SV-7 and SV-8 (up to 660,000  $\mu\text{g/L}$ ), were located along the western and southwestern perimeter of the site, and are above ESL goals for residential and / or commercial settings. Consequently, the data indicates that soil vapor concentrations at these locations warrant further vapor investigation at the adjacent apartment complex to the west of the subject site. Please discuss in detail your proposal to perform this work in the Work Plan requested below.

2. **Feasibility Study** – The planned DPE / AS feasibility study does not appear to have been successful due to limitations imposed by existing well construction (diameter), and positions (spacing). The existing 2-inch well diameter is reported to have limited the size of the groundwater extraction pump used to lower groundwater to adequately access DPE / AS methods, and the existing well spacing (currently a minimum of approximately 30 to 40 feet) appears to have limited evaluation of the radius of influence. At this time it would be premature to proceed to installation of a horizontal well at a depth of 24 to 28 feet below grade surface (bgs), as proposed until the methodology is further evaluated. The collection of geotechnical parameters (permeability, hydraulic conductivity, soil moisture, and other appropriate parameters) is warranted and may assist in further justifying a remedial option. The installation of wells designed for extraction and the installation of vapor sampling points to determine the radius of methodology influence is warranted. Please discuss in detail your proposal to perform this work in the Work Plan requested below. Please present your rationale for vapor point and extraction well design, and vapor point and extraction well locations in the Work Plan requested below.
3. **Incomplete Data Submittals** – A review of historic reports appears to indicate that bore logs for a number of soil bores and wells were not included in an earlier report (*Continued Soil and Water and Offsite Investigation at German Autocraft*, dated July 12, 1996). Because this was the most extensive subsurface investigation at the site and site vicinity ACEH requests submittal of the following data:
  - Bore logs for wells MW-4 and MW-7,
  - Bore logs for soil bores ETM-3, ETM-4, ETM-8, ETM-9, ETM-12 to ETM-16, ETM 18, & ETM-20, and ETM-23 to ETM-40, and
  - Map location for soil bores ETM-6 and ETM-16
4. **Groundwater Well Construction Details** – Four of eight groundwater wells (MW-1, MW-4, MW-5, and MW-8) have significant discrepancies between construction and operation. Well MW-1 is approximately 13 feet shorter than reported as constructed, construction details for well MW-4 are unknown (see above), well MW-5 is approximately 9 feet shorter than reported as constructed and a conflict is also reported by CGI to exist in the screened interval, and well MW-8 is approximately four feet longer than reported as constructed. Remaining wells are one to two feet shorter than reported as constructed and it is surmised by CGI that this represents sedimentation since well installation. Please investigate the construction details for all wells associated with the site, report those details, and any proposed remedies including redevelopment, or abandonment and reconstruction in the Work Plan requested below.
5. **Monitoring Well Construction** – Should wells be reconstructed, ACEH recommends the use of monitoring wells designed with sand pack intervals of 5 feet or less, as these wells will likely be representative of depth discrete groundwater conditions. Upon completion of monitoring or extraction well installation ACEH requests that you submit all monitoring or extraction well construction details, technical specifications, and well lithologic logs in the report requested below. In addition, we request that a licensed professional surveyor survey all monitoring well locations to Geotracker horizontal and vertical standards.
6. **Pump Island** – Review of site bore logs and data did not locate data to suggest that the pump island has been previously investigated for leakage. While not always the case, pump islands can be the source of substantial releases. As a consequence, ACEH requests the installation of a minimum of one soil bore at the location of the former fuel pump island to investigate the potential of a release at this location to help fill this data gap. Please include the soil sample collection and analysis scheme in the Work Plan requested below.
7. **Preferential Pathway Study** - The purpose of the preferential pathway study is to locate potential migration pathways and conduits, and determine the probability of the plume encountering preferential pathways or conduits that could spread contamination. Included in this area of concern is

the identification of abandoned wells and improperly destroyed wells that can act as vertical conduits to deeper water bearing zones, pumping wells in the vicinity of your site and manmade conduits for shallow migration (including vapor migration).

ACEH requests that you perform a preferential pathway study that details the potential migration pathways and potential conduits (wells, utilities, utility laterals, pipelines, etc.) for horizontal and vertical migration that may be present in the vicinity of the site. We request that you submit a preferential pathway study in conjunction with the Work Plan requested below. As appropriate, please include maps, cross-sections and data tables to support your analysis. The results of your study shall contain all information required by California Code of Regulations, Title 23, Division 3, Chapter 16, §2654(b).

**i. Utility Survey**

An evaluation of all utility lines and trenches (including sewers, storm drains, pipelines, trench backfill, etc.) within and near the site and plume area(s) is required as part of your study. Please include maps and cross-sections illustrating the location and depth of all utility lines and trenches within and near the site and plume areas(s) as part of your study. Please present the results of the preferential pathway study in the report requested below.

**ii. Well Survey**

The preferential pathway study shall include a well survey of all wells (monitoring and production wells: active, inactive, standby, decommissioned (sealed with concrete), abandoned (improperly decommissioned or lost); and dewatering, drainage, and cathodic protection wells) within a ¼ mile radius of the subject site. Please present the results for the preferential pathway study in the report requested below.

**TECHNICAL REPORT REQUEST**

Please submit technical reports to ACEH, according to the following schedule:

- **January 15, 2010** – Work Plan and Preferential Pathway Study
- **Four Months after Work Plan Approval** – Soil & Water Investigation Report

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

**ELECTRONIC SUBMITTAL OF REPORTS**

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater

Mr. Seung Lee  
RO0000302  
October 27, 2009, Page 4

analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements ([http://www.swrcb.ca.gov/ust/cleanup/electronic\\_reporting](http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting)).

#### PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

#### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

#### UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

#### AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6876 or send me an electronic mail message at [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org).

Sincerely,



Digitally signed by Mark E.  
Detterman  
DN: cn=Mark E. Detterman, c=US  
Reason: I am the author of this  
document  
Date: 2009.10.27 12:00:00 -07'00'

Mark E. Detterman, P.G., C.E.G.  
Hazardous Materials Specialist  
Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Groundwater Cleaners Inc., Glenn Reierstad, 347 Frederick Street, San Francisco, CA 94117  
Donna Drogos, ACEH (sent via electronic mail to [donna.drogos@acgov.org](mailto:donna.drogos@acgov.org)),  
Mark Detterman, ACEH (sent via electronic mail to [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org)),  
File

ALAMEDA COUNTY  
**HEALTH CARE SERVICES**  
AGENCY  
ALEX BRISCOE, Director



ENVIRONMENTAL HEALTH DEPARTMENT  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

December 16, 2010

Mr. Seung Lee  
German Autocraft  
350 Cherrywood Avenue  
San Leandro, CA 94577

William Andrade II  
PO Box 2786  
Dublin, CA 94588

Sephen & Elizabeth Wilhelm  
12770 Skyline Blvd  
Oakland, CA 94619-3125

Subject: Modified Work Plan Approval; Fuel Leak Case No. RO0000302 and Geotracker Global ID T0600100639, German Autocraft, 301 East 14<sup>th</sup> Street, San Leandro, CA 94577-1713

Dear Responsible Parties:

Thank you for submitting the *Site Conceptual Model and Interim Remedial Action Plan*, dated October 18, 2010 and the *Quarterly Groundwater Monitoring Report – Third Quarter 2010*, dated November 9, 2010. Both reports were generated by Straus Environmental, Inc. (Stratus). The reports are appreciated and move the site forward.

Two phases of work are proposed in the Interim Remedial Action Plan (IRAP); principally an initial scope to install a soil bore to address a data gap, and that also includes the destruction of two wells, which prepares the site for the second scope of work, interim remedial action. Based on Alameda County Environmental Health (ACEH) review of these reports and the case file we request that you address the following technical comments and send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred – [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org)) prior to the start of field activities.

#### **TECHNICAL COMMENTS**

- 1. Overdue Preferential Pathway Survey** - The previously requested preferential pathway study is overdue; this letter further affirms the need to conduct this survey, but is not an extension for this document. Previous reports indicate that numerous backyard wells may be present in the area, and that well construction details for the known and defining downgradient backyard well (141 Farrelly Drive), remain unclear. A well survey will help clarify some of these concerns and details. Please utilize both DWR and Alameda County Public Works Agency (ACPWA) as sources of well details, and additionally conduct a canvas of backyards in the vicinity. In addition, and while somewhat unlikely due to the depth of groundwater, the downgradient extent of the groundwater plume may be controlled by one or more utility conduits in Broadmoor Boulevard. Soil bores ETM-19, EMT-34, EMT-35, and well 141 Farrelly Drive all yielded non-detectable results; all are on the far side of Broadmoor Blvd, and the distribution can suggest that one or more utilities along Broadmoor may intercept the plume. Utility laterals additionally can be vapor migration pathways to the neighborhood buildings, and a utility survey should help identify the level concern for (in particular) the residential building stock in the site vicinity. The report of basements in the downgradient vicinity creates an additional level of concern relative to vapor migration. The identified utility survey in conjunction with a neighborhood canvas for basements will quickly determine the likelihood of this concern. Please refer to the previous directive letter for the details of this request.

2. **Technical Comments on Additional Investigation and Well Destruction** – There are several technical comments relative to this scope of work. These have previously been commented on in an email dated December 8, 2010; however, they are provided again here to formalize that response.
  - a. **Well Destruction Method Modification** - Wells MW-1 and MW-4 are proposed to be destroyed / decommissioned under ACPWA permit. Destruction was proposed to be handled by pressure injection, or as otherwise modified by ACPWA. However, because the wells are in or very near the UST pit with residual contamination ACEH requests the wells be destroyed by overdrilling. This will ensure any residual contamination does not use as a conduit an incompletely removed or grouted sand pack below the IRAP removal depth.
  - b. **Request for Modified Analytical Suite for B-4** - ACEH approves the installation of soil bore B-4 at the former pump island to investigate potential residual contamination with one modification - inclusion of all fuel oxygenates for the samples (MTBE, TBA, TAME, DIPE, ETBE; joining the proposed EDC & EDB). Please submit the results of this investigation in a soil and groundwater investigation report by the date identified below.
  - c. **Request for Additional Soil Bore** – ACEH also requests the installation of a second bore (presumed as B-5) to investigate the former waste oil UST location. The UST removal report does not clearly document if waste oil tank removal soils were exported from the site, and are likely to have been reused in the excavation if the fuel UST excavation is used as a guide. Soil disposal manifests have also not been located for the site and tend to support onsite reuse of all soil stockpiles. The UST removal report also indicates an oily odor in the excavation. While it is noted that soil analytical at the base of the excavation was nondetectable, the removal report also notes staining on the east side of the excavation at 3 – 5 ft bgs, consequently the potential for vertical migration exists. ACEH requests that the sampling and analytical protocol follow that for B-4, with the addition of two modifications - inclusion of VOCs by EPA 8260 with all fuel oxygenates as noted above, and use of a TPH fingerprint analysis to better understand the TPH carbon range present. Should elevated TPH be detected, standard waste oil constitutes should additionally be requested. Please submit the results of this investigation in a soil and groundwater report by the date identified below.
3. **Technical Comments on Interim Remedial Action** – There are several technical comments relative to the proposed remedial excavation scope of work. Please be aware, the IRAP has not received final approval, pending additional data and analysis from soil bores B-4 and B-5 requested above.
  - a. **Depth of Soil Removal** – In the IRAP Stratus proposes to initially define the depth of soil removal in the former UST area using a photoionization detector (PID) as a screening tool, with further excavation from 14 feet below grade surface (bgs) to the anticipated maximum proposed depth of 16 feet dependent on the presence of PID units over 1,000 ppm at 14 feet bgs. As this is the presumed source area, ACEH requests that the final depth of excavation be based on significantly reduced concentrations, or physical limitations. It is understood that additional interim remedial efforts are currently being generated and are proposed to be handled by Dual Phase Extraction (DPE).
  - b. **Soil Disposal** – The IRAP appears to indicate that all excavated soil is anticipated to be disposed offsite at various landfill options. If reuse of any soil is anticipated onsite, ACEH requests that the San Francisco RWQCB Draft *Technical Reference Document, Characterization and Reuse of Petroleum Hydrocarbon Impacted Soil as Inert Waste* dated October 20, 2006, be utilized to guide and establish required sampling intervals.
  - c. **Excavation Soil Sampling Intervals** – The IRAP proposes to collect sidewall samples at a depth of 7 feet bgs, based on the original bottom burial depth of the gasoline USTs, as well

as representing an approximate midpoint in the anticipated excavation removal depth. The IRAP also proposes collection of the sidewall samples at 25 foot linear sampling intervals, and bottom samples in a grid pattern on approximately 25-foot centers. Based on a 25 by 50 to 60 foot excavation, this approach is reasonable; however, ACEH requests the soil samples be additionally authoritatively placed at signs of contamination (field screened with a PID, other appropriate field instrument, signs of odor, or staining).

- d. **Analytical Protocols** – The IRAP proposes to analyze soil for GRO by Modified EPA Method 8015, and BTEX, 1,2-DCA, and EDB by EPA Method 8260B. ACEH additionally requests inclusion of MTBE and all fuel oxygenates as noted above. Backfill soil (presumed to be imported) is proposed to be analyzed for CAM17 and a full EPA Method 8260 VOC scan. ACEH additionally requests analysis for a TPH with a TPH fingerprint scan to preclude import of TPH impacted soils.
  - e. **Potential Additional Areas for Remediation** – This letter approves installation of bores B-4 and B-5 to investigate two areas of concern not adequately understood – the pump island and the waste oil UST excavation. Both areas may require remedial actions depending on the pending results. Please incorporate these areas in planned interim remedial actions in the document requested below, if appropriate.
4. **GeoTracker Compliance** – A review of the State Water Resources Control Board's (SWRCB) GeoTracker website indicates the site is not in compliance with upload requirements (It is noted however that changes may be underway). In particular the following areas were noted to be deficient - wells have not been surveyed to Geotracker standards, the majority of EDFs, GEO\_WELLS, and other required uploads have not been uploaded.

Please be aware that pursuant to California Code of Regulations, Title 23, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1, beginning September 1, 2001, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the UST or LUST program, must be transmitted electronically to the SWRCB GeoTracker system via the internet. Also, beginning January 1, 2002, all permanent monitoring points utilized to collect groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude to sub-meter accuracy using NAD 83. A California licensed surveyor may be required to perform this work. Additionally, pursuant to California Code of Regulations, Title 23, Division 3, Chapter 30, Articles 1 and 2, Sections 3893, 3894, and 3895, beginning July 1, 2005, the successful submittal of electronic information (i.e. report in PDF format) shall replace the requirement for the submittal of a paper copy. Please upload all required submittals to GeoTracker and ACEH's ftp server by the date specified below. Electronic reporting is further described in Attachment 1 to this letter.

#### **TECHNICAL REPORT REQUEST**

Please submit technical reports to ACEH, according to the following schedule:

- **January 31, 2010** – Preferential Pathway Study
- **February 21, 2011** – Soil and Groundwater Investigation Report, with any additional appropriate modifications to the interim remedial action plan.
- **90 Days after IRAP Approval** – Report of Interim Remedial Actions



Responsible Parties  
RO0000302  
December 16, 2010, Page 4

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

Should you have any questions, please contact me at (510) 567--6876 or send me an electronic mail message at [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org).

Sincerely,



Digitally signed by Mark E.  
Detterman  
DN: cn=Mark E. Detterman, c=US  
Date: 2010.12.16 11:05:32 -08'00'

Mark E. Detterman, PG, CEG  
Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations  
Electronic Report Upload (ftp) Instructions

cc: Kasey Jones, Stratus Environmental, Inc, 3330 Cameron Park Drive, Suite 550, Cameron Park,  
CA 95682, (sent via electronic mail to [kaseyjones@stratusinc.net](mailto:kaseyjones@stratusinc.net))

Donna Drogos, ACEH, (sent via electronic mail to [donna.drogos@acgov.org](mailto:donna.drogos@acgov.org))  
Mark Detterman, ACEH, (sent via electronic mail to [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org))  
Geotracker, e-File

## Attachment 1

### Responsible Party(ies) Legal Requirements / Obligations

#### REPORT REQUESTS

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

#### ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements ([http://www.swrcb.ca.gov/ust/electronic\\_submittal/report\\_rqmts.shtml](http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml)).

#### PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

#### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

#### UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

#### AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

## Attachment 1

<b>Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)</b>	<b>REVISION DATE:</b> July 20, 2010
	<b>ISSUE DATE:</b> July 5, 2005
	<b>PREVIOUS REVISIONS:</b> October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
<b>SECTION:</b> Miscellaneous Administrative Topics & Procedures	<b>SUBJECT:</b> Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

### REQUIREMENTS

- Please **do not** submit reports as attachments to electronic mail.
- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

RO#\_Report Name\_Year-Month-Date (e.g., RO#5555\_WorkPlan\_2005-06-14)

### Submission Instructions

- 1) Obtain User Name and Password
  - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
    - i) Send an e-mail to [dehloptoxic@acgov.org](mailto:dehloptoxic@acgov.org)
  - b) In the subject line of your request, be sure to include "**ftp PASSWORD REQUEST**" and in the body of your request, include the **Contact Information, Site Addresses, and the Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
  - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
    - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
  - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
  - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
  - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
  - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
  - a) Send email to [dehloptoxic@acgov.org](mailto:dehloptoxic@acgov.org) notify us that you have placed a report on our ftp site.
  - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
  - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
  - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

## Kasey Jones

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**From:** Detterman, Mark, Env. Health <Mark.Detterman@acgov.org>  
**Sent:** Monday, January 10, 2011 3:19 PM  
**To:** 'Kasey Jones'  
**Subject:** RE: 301 East 14th Street, San Leandro - German Autocraft  
**Attachments:** RO302\_ACPWA\_Well\_Survey\_Form.pdf

Kasey,  
Here the signed ACPWA well form.

In regards to your backyard well canvas question; that's a good question. Since the Farrelly well is essentially at 500 feet (but is admittedly ND, but with well construction questions), I think we should be a bit cautious in trying to locate backyard wells in the downgradient direction. Consequently I'd like to request 660 feet in the downgradient and westerly directions, but 500 ft upgradient and easterly direction should be fine. A bit of an odd shape, but it should work!  
Best,

*Mark Detterman  
Hazardous Materials Specialist, PG, CEG  
Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502  
Direct: 510.567.6876  
Fax: 510.337.9335  
Email: [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org)*

*PDF copies of case files can be downloaded at:*

*<http://www.acgov.org/aceh/lop/ust.htm>*

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**From:** Kasey Jones [mailto:kaseyjones@stratusinc.net]  
**Sent:** Monday, January 10, 2011 2:16 PM  
**To:** Detterman, Mark, Env. Health  
**Subject:** RE: 301 East 14th Street, San Leandro - German Autocraft

Mark

The Alameda County PWA form is attached for your signature.

Thanks again.

Sincerely,

Kasey L. Jones  
Senior Project Manager  
**STRATUS ENVIRONMENTAL, INC.**  
PH (415) 516-0373

 Please consider the environment before printing this eMail

**APPENDIX B**

**WATER WELL DRILLERS REPORTS  
AND  
ACPWA WELL LOG DATABASE PRINTOUT**

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**



**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

**CONFIDENTIAL**

**STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)**

**REMOVED**

## **Well Legend**

DOM=Domestic well

IRR=Irrigation well

MUN= Municipal well

IND=Industrial well

CAT=Cathodic well

DES=well destroyed (through permit)

ABN=Abandoned and not being used (but has not been destroyed through permit process)

TES=Test well

BOR= Geotechnical investigation

MON= Monitoring well

EXT=Extraction/ Vapor wells

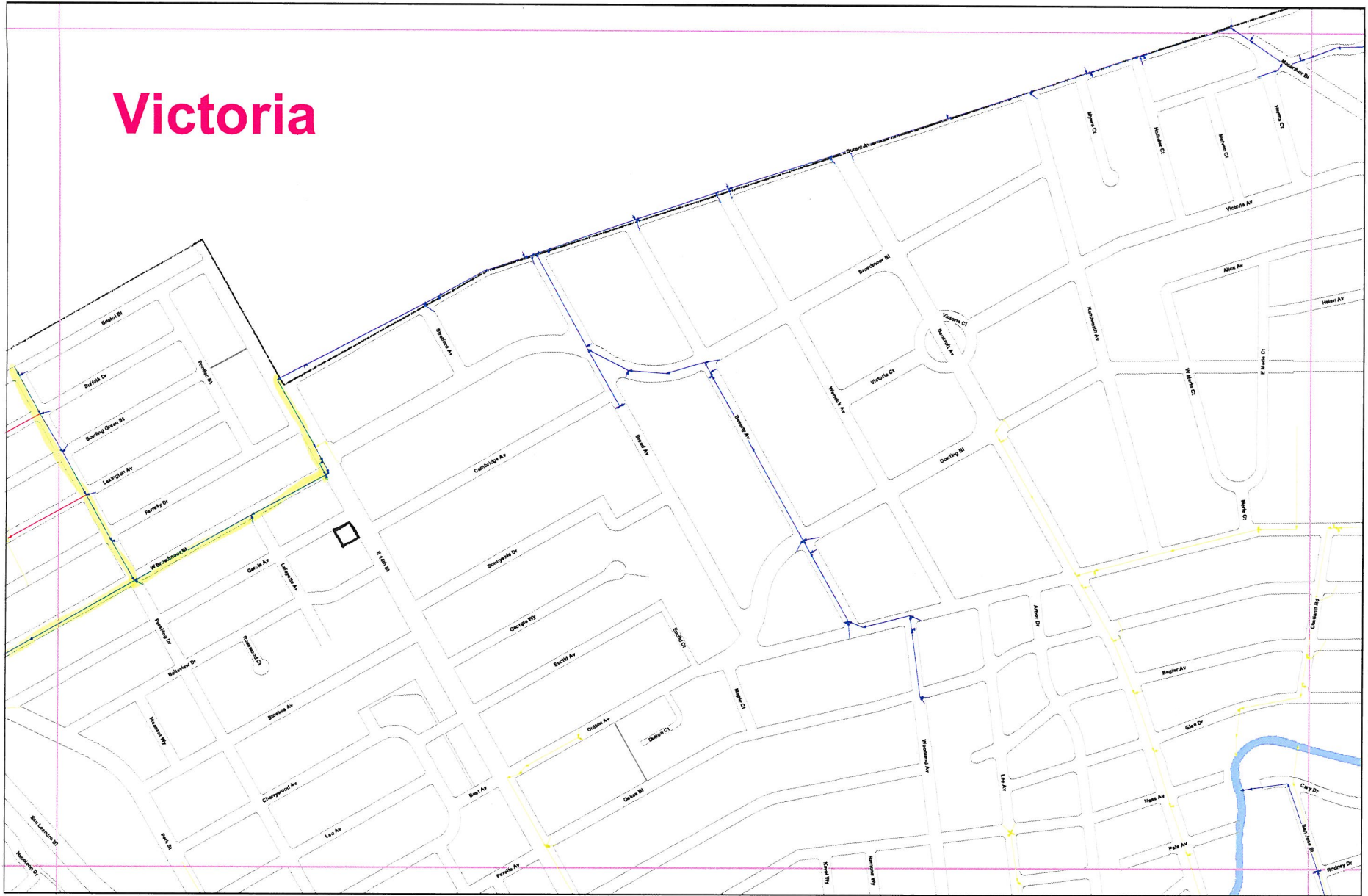
PIE=Piezometers

REC=Recovery well (extraction/ vapor)

? = Unknown or no information found or given

**APPENDIX C**  
**BURIED UTILITY MAPS**

# Victoria



**Legend**

**ScreeningPoints**

**Jurisdiction**

- Alameda County
- San Leandro

**Storm**

- all other waters

**JURISDICTION**

- Alameda County
- City of San Leandro

City of San Leandro  
Stormwater System



PLAZA

1" = 200'  
 SHEET 15  
 10-11-68

CITY OF SAN LEANDRO DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		JOB NO. APPROVED BY
<b>VICTORIA</b> 452-C-1518		CITY ENGINEER
<b>STORM DRAINAGE</b>		DATE
DATE 10-11-68 DRAWN BY	SCALE 1" = 200' ROAD	DATE

15

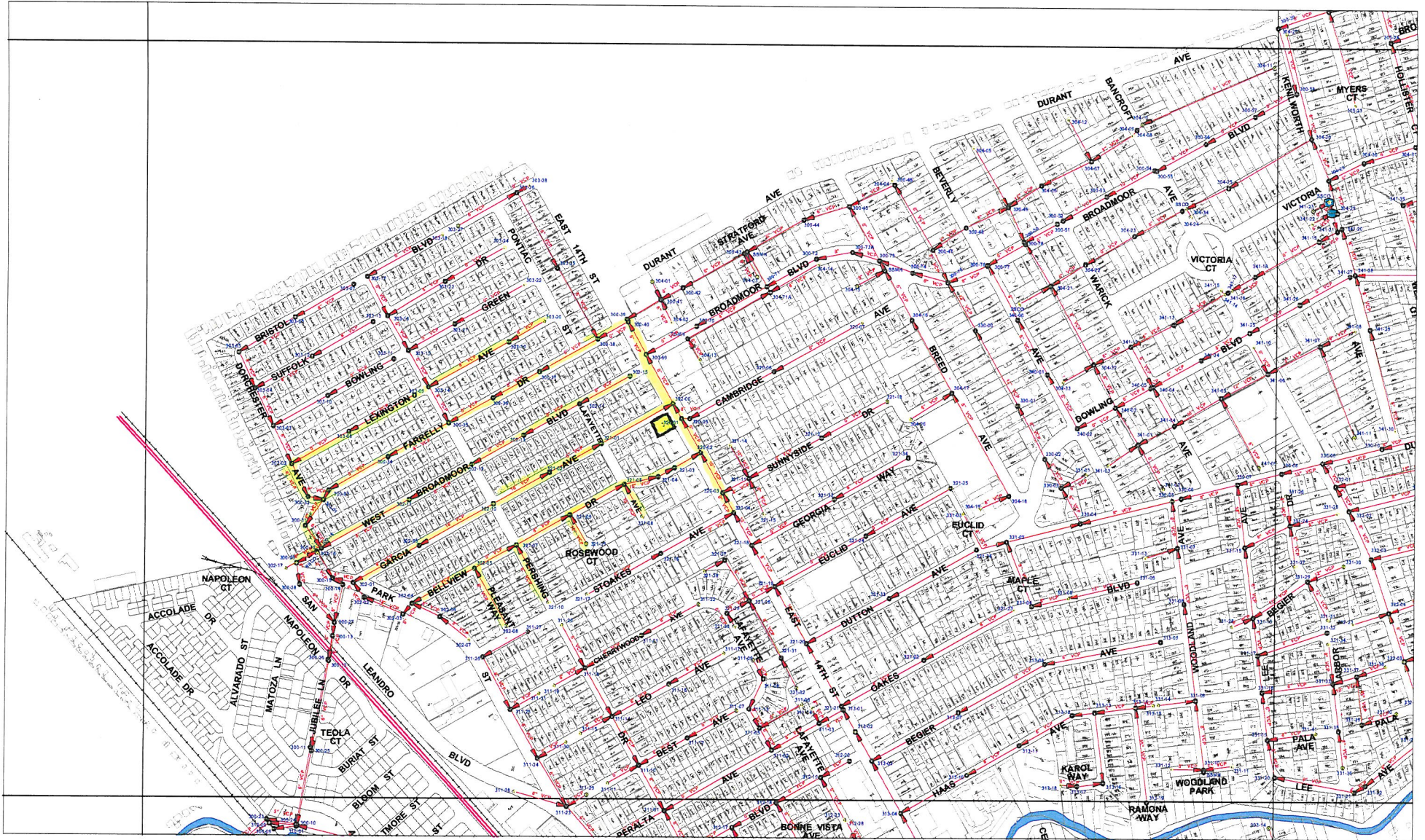


PLAZA

<table border="1"> <tr> <td>DATE</td> <td>REVISION</td> <td>BY</td> <td>APPD.</td> </tr> <tr> <td>FOUNDED</td> <td>CHANGED</td> <td>DRAWN</td> <td>G. G.</td> </tr> <tr> <td>APPROVED</td> <td>DATE</td> <td>SCALE</td> <td>1" = 200'</td> </tr> <tr> <td>10-11-68</td> <td></td> <td></td> <td></td> </tr> </table>	DATE	REVISION	BY	APPD.	FOUNDED	CHANGED	DRAWN	G. G.	APPROVED	DATE	SCALE	1" = 200'	10-11-68				<p><b>CITY OF SAN LEANDRO</b>  <b>DEPARTMENT OF PUBLIC WORKS</b>  <b>ENGINEERING DIVISION</b></p> <p><b>VICTORIA</b>  <b>452-C-1518</b>  <b>SANITARY SEWER</b></p>	<p>JOB NO.</p> <p>APPROVED BY:</p> <p>J. F. VIVANTE          CITY ENGINEER</p> <p>DATE</p> <p>DWG. CASE</p>
DATE	REVISION	BY	APPD.															
FOUNDED	CHANGED	DRAWN	G. G.															
APPROVED	DATE	SCALE	1" = 200'															
10-11-68																		

2

# Sanitary Sewer System for the City of San Leandro



4

## Legend

- BART
- Sewer lines
- Manhole
- Manhole "0"
- Clean out
- Clean out "0"
- Lift station (priv)
- Lift station
- Unknown
- Water pollution control plant





THIS MAP IS TO BE USED FOR GENERAL REFERENCE PURPOSES ONLY. THE DATA WAS NOT COMPILED, NOR INTENDED TO BE USED TO DETERMINE, ESTABLISH, OR REESTABLISH A LEGAL BOUNDARY OR LOCATION OF FIXED WORKS. POSTED REVISIONS INCLUDE DATA THAT MAY BE PROPOSED, UNVERIFIED OR OTHERWISE TENTATIVE IN NATURE. EBMUD IS NOT RESPONSIBLE FOR ANY ERRORS THAT MAY BE CONTAINED HEREIN. IF DISCREPANCIES ARE FOUND PLEASE NOTIFY EBMUD MAPPING UNIT.



# East Bay MUD - Water


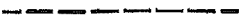


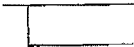

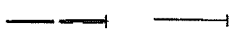
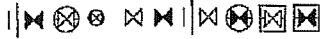
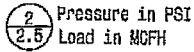









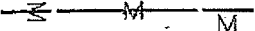
WARNING: Confidential Proprietary Information  
This document contains confidential, proprietary information that is the sole property of Pacific Gas and Electric Company (PG&E) and is intended for use only by authorized PG&E employees and agents.  
Copyright Pacific Gas and Electric Company 1/25/11



10-001  
Scale 1"=100'  
10E7,3

INOR  
AZOIS  
INOR

# GAS SYMBOLS

	Semi-High Pressure Main (25 PSIG MAX)
	Transmission Pressure Main(Above 60 PSIG)
	High Pressure Main (60 PSIG MAX)
	Gas Service Line
	Gas Service Line with Branch
	Scaled Distance from Nearest Property Line (Feet)
	Gas Main and Service Line Stubs
	Various Valves
	Pressure Load/Gas Service
	Various Electrolysis Test Stations
	Cathodic Protection Station
	Welded 2" Wrapped 5' From Property Line
	2" Plastic 5' From Property Line
	3/4" Steel Service
	1/2" Plastic Service
	1/2" Copper Service
	2" Plastic Coated Steel 5' From Property Line
	Various Regulator Stations
	Various Pressure Control Fittings

**NOTICE OF RESPONSIBILITY:**

Thank you for notifying PG&E of your intent to work in the vicinity of our underground facilities. Information about their location will be provided by surface markings at the proposed work site. In our marking for you we, naturally, will exercise due care to make these markings as complete and accurate as reasonably possible. As you can appreciate, the nature of underground construction and installations prohibit any guarantee as to the absolute accuracy of surface markings. The precise location of underground facilities can only be determined by you through careful probing or hand digging in compliance with Article 6 of Cal/OHSA construction safety orders.



Pacific Gas and Electric Company