RECEIVED

By Alameda County Environmental Health 1:23 pm, Jun 19, 2017

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

Re:

Former Grimit Auto Repair and Service, 1970 Seminary Boulevard, Oakland, California (Fuel Leak Case No. RO0000413)

Dear Mr. Nowell:

Stratus Environmental, Inc. (Stratus) has recently prepared a report entitled *Updated Water Supply Well Survey and Work Plan for Additional Site Assessment* on my behalf. The report was prepared in regards to Alameda County Fuel Leak Case No. RO0000413, for the Former Grimit Auto Repair and Service, 1970 Seminary Boulevard, Oakland, California.

I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCBs GeoTracker website.

If you have any questions, please contact me via electronic mail at peggy.h.garcia@sbcglobal.net or my daughter Angel LaMarca at angelcpt@gmail.com.

Sincerely,

Ms. Peggy Garcia, Trustee, Grimit Family Trust

cc: Angel LaMarca



June 13, 2017 Project No. 2090-1970-01

Mr. Keith Nowell, P.G. Alameda County Environmental Health Department 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (via GeoTracker & Alameda County FTP site)

Re: Updated Water Supply Well Survey and Work Plan for Additional Site Assessment
Former Grimit Auto Repair and Service
1970 Seminary Avenue
Oakland, California
(Fuel Leak Case No. RO0000413)

Dear Mr. Nowell:

Stratus Environmental, Inc. (Stratus) has prepared this *Updated Water Supply Well Survey and Work Plan for Additional Site Assessment*, on behalf of the Grimit Family Trust, for the Former Grimit Auto Repair and Service facility (the Site), located at 1970 Seminary Avenue, Oakland, California (see Figures 1 through 4). Alameda County Environmental Health Department (ACEHD) currently oversees an environmental case at the subject property relating to the former use of underground storage tanks (USTs) on the subject property. In May 2017, the ACEHD reviewed the Site's environmental case with criteria of the State Water Resources Control Board's 'Low Threat Closure Policy' (LTCP), and on May 17, 2017, the ACEHD issued a letter requesting updating the Site's water supply well survey and collection of soil vapor and soil samples at select locations at this Site. This document has been prepared to satisfy the requests of the ACEHD in the May 17, 2017 letter.

WATER SUPPLY WELL SURVEY

In order to provide current information regarding water supply wells in the vicinity of the Site, Stratus requested records from the Alameda County Public Works Agency (ACPWA) and the Department of Water Resources (DWR). Figure 4 illustrates the locations of a water supply well identified during a review of the DWR and ACPWA records within a 2,000-foot radius of the subject site. Only one well was located; this well was installed at 2232 Seminary Avenue, approximately 600 feet north-northeast of the Site. The water well at 2232 Seminary Avenue is apparently 4-inches in diameter, with a depth of 102 feet below surface grade, and installed for irrigation purposes.

June 13, 2017 2090-1970-01

It should be noted that a previous consultant representing the Grimit Family Trust has reported that a water supply well is present at 1955 Seminary Avenue, directly across the street from the subject property. As a result, access to the property has been requested by both Stratus and ACEHD in the past to verify that this well is present and to collect a sample of water from this well, if possible. However, to date, access to the property has not been obtained, and Stratus is unable to provide any information regarding the potential presence of a well at 1955 Seminary Avenue. Written requests to the property owner have not been acknowledged, and extensive security walls/fencing inhibit approaching the property owners for information. The approximate location of the 1955 Seminary Avenue property is included on Figure 4.

The DWR records included some water wells where the locations could not be evaluated, either due to illegible copies of the well completion reports or redacted information from DWR. Copies of these forms are provided in Appendix A.

ONSITE SOIL VAPOR ASSESSMENT

ACEHD has requested that an onsite soil vapor assessment be performed. In late 2011, six soil vapor probe wells (SV-1A/B through SV-3A/B) were installed at the Site and sampled. The 'A' soil vapor probe wells are approximately 5.5 feet in depth, and the 'B' soil vapor probe wells range from about 7 to 9 feet in depth. To complete the onsite soil vapor assessment, Stratus will resample these soil vapor probe wells. The new data will be collected following performance of a dual phase extraction (DPE) remedial event, and should allow for a comparison with historical soil vapor results collected prior to DPE.

Prior to conducting soil vapor sampling, the approximate air volume situated inside of the Teflon tubing and the filter pack sand surrounding the soil vapor implant will be calculated. Stratus will then use an expendable Summa Canister to purge this ambient air. Following purging of the ambient air, a separate Summa Canister will be used to collect each soil gas sample. During filling of the canisters, the flowrate will be regulated to fill at a rate between 100 and 200 milliliters per minute (ml/min). A tracer gas leak check (using 1,1-difluoroethane [1,1-DFA]) will be used to assess potential leakage within the sampling train. Leak detection will be evaluated by periodically spraying the outside of the sample train assembly with 1,1-DFA during filling of the Summa Canisters.

Air samples will be forwarded to a California state-certified laboratory for chemical analysis under strict chain-of-custody procedures. The soil gas samples will be analyzed for gasoline range organics (GRO), benzene, toluene, ethylbenzene, and total xylenes, (BTEX), methyl tertiary butyl ether (MTBE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), di-isopropyl ether (DIPE), tertiary butyl alcohol (TBA), 1,2-dibromoethane (EDB), 1,2-dichloroethane (1,2-DCA), naphthalene, the EPA

June 13, 2017 2090-1970-01

Standard List Volatile Organic Compounds (VOCs), and for the leak detection tracer gas (1,1-DFA) using USEPA Method TO-15. In addition, the samples will be analyzed for oxygen using American Society for Testing and Materials (ASTM) Method D1946.

OFFSITE SOIL AND SOIL VAPOR ASSESSMENT

ACEHD has also requested collection of a soil vapor sample in the vicinity of MW-8, located near the southeastern property boundary. ACEHD also requested that shallow soil samples be collected in this area, between surface grade and 10 feet below ground surface (bgs). ACEHD acknowledges that a historical overexcavation was performed in this area, and requested that the samples not be collected from within the excavation backfill. Stratus has previously requested access to perform environmental work on the property located immediately adjacent to MW-8, at 5909 Harmon Road, but access to the property has been denied in the past. In November 2010, Stratus prepared and submitted a document proposing to install three soil vapor probe wells and advance an exploratory soil boring at 5909 Harmon Road, and ACEHD approved the work; however, the approved work was never done on the property due to the inability to obtain access to the property. In addition to Stratus' request for access, ACEHD personnel also requested access to 5909 Harmon way in a December 2011 letter. Copies of these letters requesting access to the offsite property are attached in Appendix B for review.

Given the inability to obtain access to 5909 Harmon Road, to implement the November 2010 approved work scope, Stratus is again requesting ACEHD assistance to obtain access to this property.

It should be noted that a small walkway is present to the west-southwest of MW-8, behind the Site's building. However, limited access and the presence of underground utility lines are very likely to restrict subsurface work in this area.

SAMPLING OF WELL MW-3

ACEHD noted in the May 2017 letter that well MW-3 has not been sampled since August 2015, due to inaccessibility. Storage of vehicles and/or equipment by the property tenant have prohibited access to the well. Stratus will work with the tenant of the property in order to attempt to sample MW-3 in the future, beginning with the third quarter 2017 groundwater monitoring and sampling event.

SCHEDULE

Pending approval of this document, Stratus will mobilize to the Site and sample SV-1A/B through SV-3A/B. Stratus will work with the tenant of the property in order to obtain access to these locations. Our intention is to collect the samples during the summer or

early fall of 2017, during the 'dry season', in order to minimize potential effects of moisture that may be present in the shallow soil.

LIMITATIONS

This document was prepared in general accordance with accepted standards of care that existed at the time this work was performed. No other warranty, expressed or implied, is 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 document is solely for the use and information of our client unless otherwise noted.

If you have any questions or comments concerning this document, please contact Scott Bittinger at (530) 676-2062.

Sincerely,

STRATUS ENVIRONMENTAL, INC.

Scott G. Bittinge

Project Manager

Attachments:

cc:

te Location Map Figure 1

Figure 2 Site Plan

Figure 3 Site Vicinity Map

Figure 4 Water Supply Well Location Map

CIOMALA

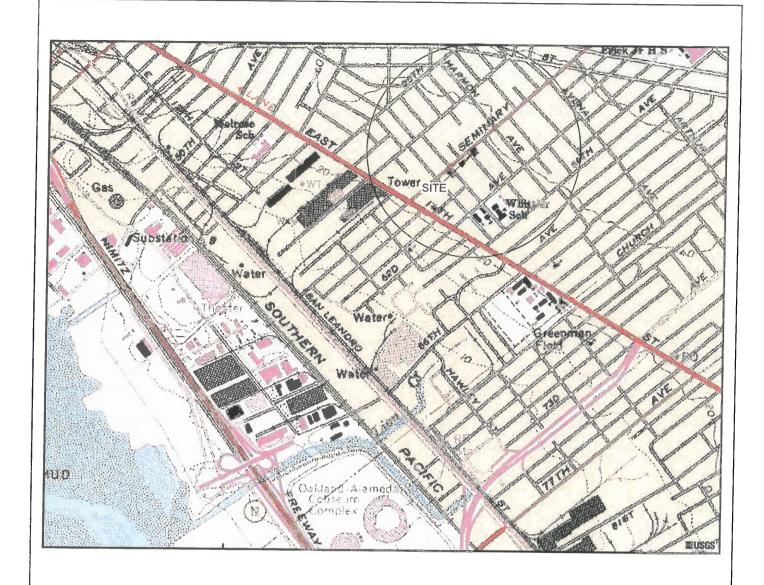
Appendix A DWR Well Completion Forms for Wells with Unknown Locations

Yav R. Johnson, P.G.

Principal Geologist

Appendix B Previous Access Agreement Requests to 5909 Harmon Ave.

Ms. Angel LaMarca and Ms. Peggy Garcia, Trustee, Grimit Family Trust



GENERAL NOTES: BASE MAP FROM U.S.G.S. OAKLAND, CA. 7.5 MINUTE TOPOGRAPHIC PHOTOREVISED 1996







APPROXIMATE SCALE

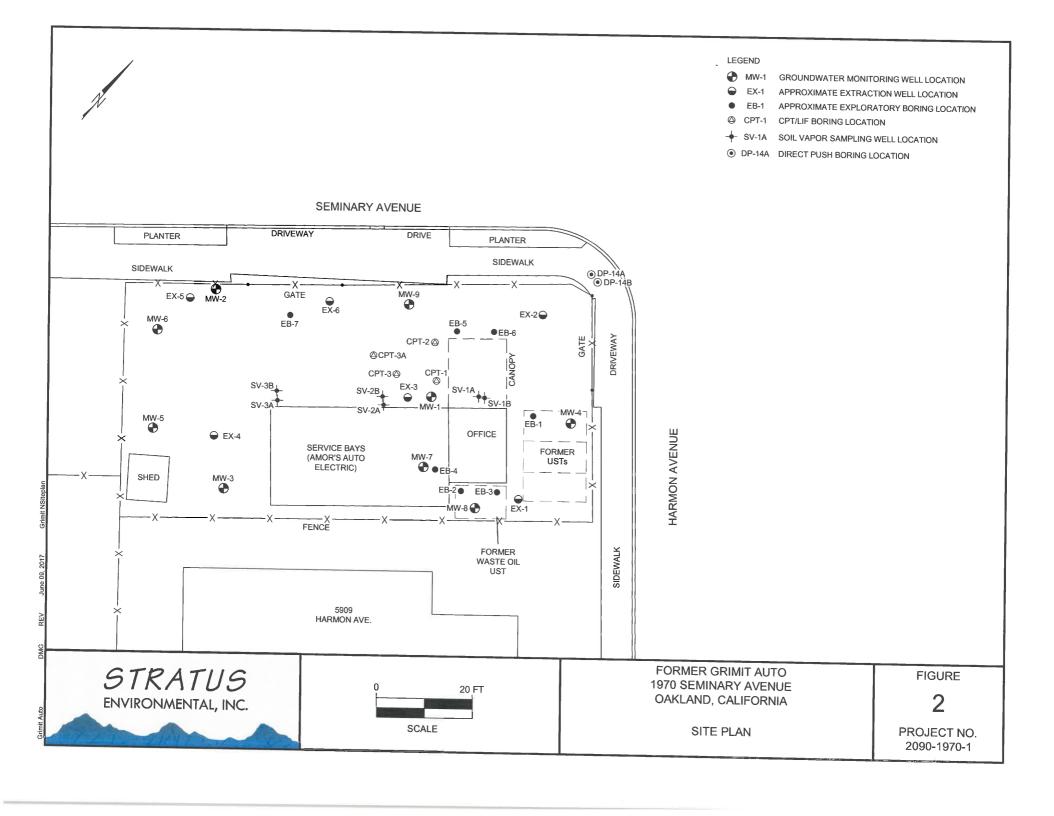
STRATUS ENVIRONMENTAL, INC. FORMER GRIMIT AUTO 1970 SEMINARY AVENUE OAKLAND, CALIFORNIA

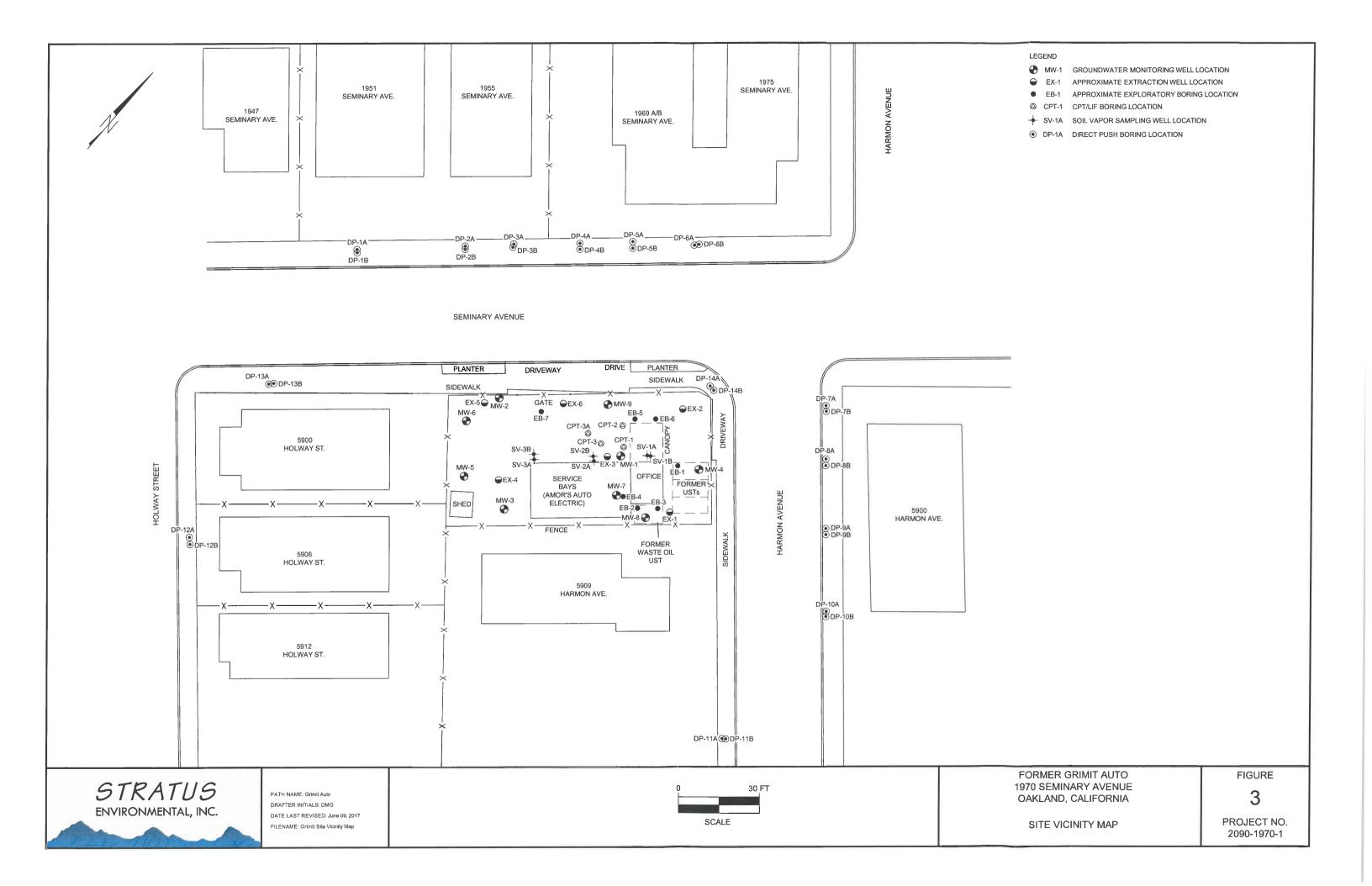
SITE LOCATION MAP

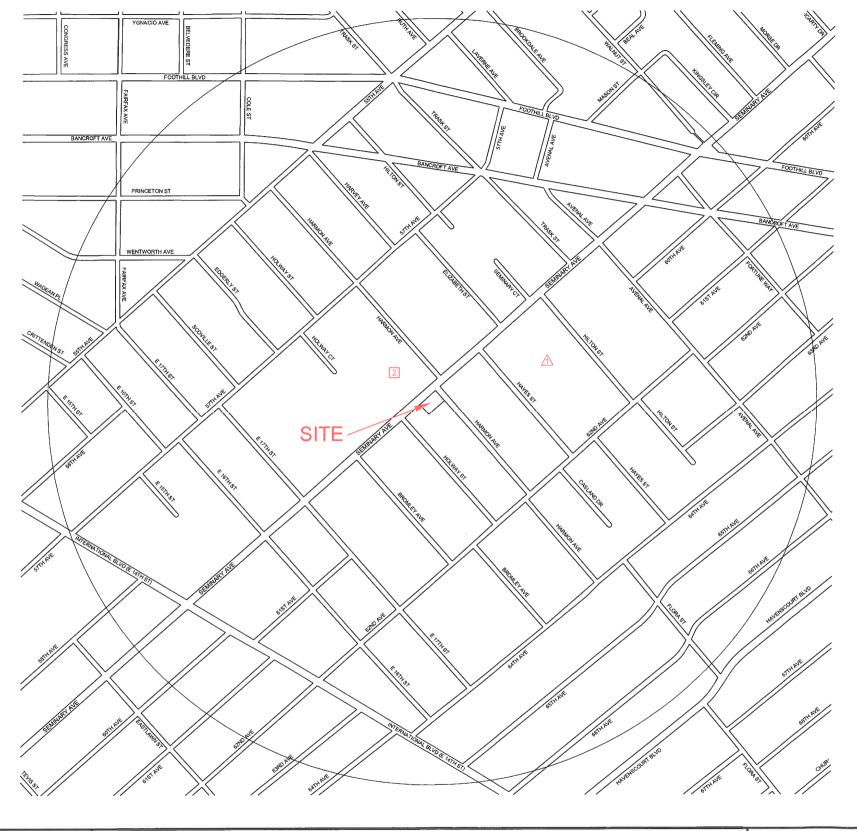
FIGURE

1

PROJECT NO. 2090-1970-01







LEGEND

WELL LOCATION REPORTED BY PREVIOUS CONSULTANT (STRATUS UNABLE TO VERIFY EXISTENCE OF WELL)

2232 SEMINARY AVENUE

2 1955 SEMINARY AVENUE

STRATUS ENVIRONMENTAL, INC.

PATH NAME: Grimit Auto DRAFTER INITIALS: DMG DATE LAST REVISED: June 08, 2017 FILENAME: Grimit Site Vicinity Map



FORMER GRIMIT AUTO 1970 SEMINARY AVENUE OAKLAND, CALIFORNIA

WATER SUPPLY WELL LOCATION MAP

FIGURE

PROJECT NO. 2090-1970-1

APPENDIX A

CONFIDENTIAL

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

REMOVED

ORIGINAL
FIGURE ORIGINAL
FIGURE OF WATER RESOURCES
P. O. BOX 1079
GACRAMENTO S. CALIFORNIA



WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

113

SUPPLEMENTAL SHEET

Do Not Fill In	A
Do Not Fill In State Well No. 13 18 18 10	9 1
Other Well No.	
Region	

(5)	Well log (continued): Total depth of well400ft.	Give details of formations penetrated, such as silt, peat, muck, sand, gravel, clay, shale, sand- stone, hardpan, rock. Include size of gravel (diameter) and sand (fine, medium, coarse), color
Depth From Ground Surface		of material, structure (loose, packed, cemented, soft, hard, brittle).
	315 ft. to 317 ft.	Clay, yellow, firm
	317 " "328 "	Sandy clay, soft
	328 " " 330 "	Clay, Brown, firm
	330 " " 336 "	Mushy, sand, clay and gravel
	336 " " 345 "	Hard grey and brown clay w/gravel and rock fragments
	345 " " 347 "	Brown and grey clay, some gravel and rock fragments
	347 " " 361 "	Brown and grev clay, soft
	361 " " 364 "	Green and grey clay, stiff
	364 " " 379 "	Green clay, very gummy
	379." " 390"	Green clay
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	393 " " 400 "	Blue green clay
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If additional space is required continue on DWR Form No. 246—Supplement, and attach to respective report copies.

CONFIDENTIAL

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

REMOVED

APPENDIX B



November 8, 2010 Project 2090-1970-01

Mr. Cleveland Rancifer Mrs. Dorothy Rancifer 7 Edgemont Way Oakland, CA 94605

Re: Authorization to Complete Soil Boring and Conduct Soil Gas Survey at 5909 Harmon Avenue, Oakland, California

Dear Mr. and Mrs. Rancifer:

On behalf of the Grimit Family Trust (GFT), Stratus Environmental, Inc. (Stratus) has prepared this letter to request permission to conduct a limited environmental investigation on your property located at 5909 Harmon Avenue, Oakland, California. Alameda County Environmental Health Services (ACEHS) currently oversees an environmental case at 1970 Seminary Avenue, which is located immediately adjacent to your property, due to a historical release of petroleum hydrocarbons to the subsurface from an underground storage tank (UST). ACEHS has recently requested that soil, groundwater, and soil gas samples be collected and chemically analyzed in order to test for the presence of any petroleum hydrocarbons or volatile organic compounds (VOCs) that could be present beneath your property. The purposes of the sampling are to further delineate the eastward extent of contaminants originating from 1970 Seminary Avenue and to verify that any contaminant concentrations that may be present do not exceed state-established health risk levels.

This letter is to request authorization for Stratus and our subcontractors to advance one exploratory soil boring for the purpose of collecting soil and groundwater samples, install three shallow soil gas implants, collect samples from the implants, and upon ACEHS approval, remove the soil gas implants from your property, Alameda County Assessor parcel number 38-3211-1-3.

If you agree to let Stratus and our subcontractor complete this work on your property, Stratus and the GFT will do the following:

Stratus/GFT will complete this work at no cost to you.

- Stratus/GFT will obtain your approval of the sampling locations prior to initiating work. Proposed soil boring/sampling locations are shown on the enclosed site plan.
- Stratus/GFT will provide you with the results of the work and information regarding the environmental investigation.
- Stratus/GFT will protect you from any claims for personal injury or property damage during the work.
- Stratus/GFT will take all action required by government authorities at our expense, based on the findings of the investigation.

Upon your approval of this request for access to your property, Stratus will obtain the necessary permit from Alameda County Public Works Agency. A licensed contractor will advance the soil boring using a smaller-sized track mounted rig that can fit within the confines of your property. The soil gas sampling points will, in all likelihood, be installed using hand tools (i.e. hand auger, post-hole digger, etc.). Prior to initiating work activities, underground utilities (electrical, sewer, gas, etc.) will be identified and marked. After installing the soil gas implants, a small traffic rated manhole cover will be installed to cover the sampling point and prevent damage. Upon reaching total depth, the soil boring will be backfilled to surface grade with liquid cement. The ground surface will then be patched to match the surrounding area (i.e. asphalt patch, concrete, gravel, etc.).

Stratus anticipates that approximately one full day, or two partial days will be necessary to install the soil gas implants and advance the soil boring. Stratus will then return within about 1 to 2 weeks to collect samples from the soil gas implants (to allow for equilibration of conditions after installation of the implant before sampling). Every effort will be made to keep the work area clean and to restore the area to the original condition when the work is completed. All soil generated during the investigation will be transported offsite for temporary storage.

We appreciate your cooperation in this matter. Please sign and return both copies of the License Agreement form to our office in the enclosed postage-paid envelope. We will forward both copies to Ms. Angel LaMarca and Ms. Peggy Garcia, who represent the GFT. Ms. LaMarca or Ms. Garcia will then sign both copies and we will return one copy to you for your files. Upon your receipt of the signed authorization to access your property, we will arrange a time to perform the work and apprise you of the schedule.

Please call me at (530) 676-2062, or contact me via electronic mail at sbittinger@stratusinc.net, if you have any questions.

Sincerely,

STRATUS ENVIRONMENTAL, INC.

Scott G. Bittinger, P.G.

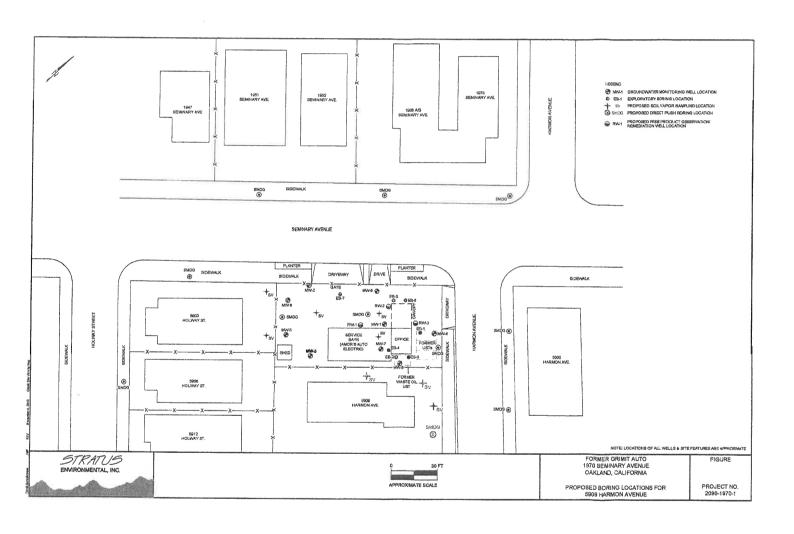
Project Manager

Attachments: Site Map – Proposed Boring Locations

License Agreement (two copies)

cc: Ms. Peggy Garcia and Ms. Angel LaMarca, Grimit Family Trust

Ms. Barbara Jakub, Alameda County Environmental Health Services



LICENSE AGREEMENT BETWEEN

Cleveland and Dorothy Rancifer and Grimit Family Trust

THIS LICENSE AGREEMENT is made as of November 8, 2010 between Cleveland and Dorothy Rancifer, hereinafter referred to as "Licenser," and Grimit Family Trust, hereinafter referred to as "Licensee."

1. RECITALS

- 1.1 Licenser owns certain real property as Alameda County Assessors Parcel No. 38-3211-1-3, located at 5909 Harmon Avenue, Oakland, California (the "Property").
- 1.2 Licensee desires to advance on a portion of the Property one (1) boring ("Borehole"), and install three (3) soil gas implants ("Soil Gas Implants"), and to perform other work on the Property as required by, or in accordance with, applicable environmental laws and regulations, or as required by, or acceptable to, regulatory agencies ("Work").
- 1.3 The parties desire to enter into this License Agreement to allow Licensee to install said Borehole and Implants on the Property, and to give access to the Property to Licensee or its representatives for the purpose of performing Work authorized by this License Agreement.

2. AGREEMENT

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree to and with each other as follows:

3. TERMS

- 3.1 Licensee or its representatives may drill, use, backfill, and construct, at its sole cost and expense, the Borehole and Soil Gas Implants on the Property. Licensee or its representatives may enter onto the Property for the purpose of performing the Work authorized by this License Agreement. Licenser hereby authorizes Licensee or its representatives to release any and all analytical geotechnical data and site assessment information obtained during such Work to applicable environmental agencies.
- 3.2 Licensee agrees not to permit any liens to stand against the Property for Work done or materials furnished to Licensee, and Licensee agrees to indemnify and hold Licenser harmless from any such liens for Work performed under this License Agreement.

- 3.3 If the surface of the Property or any improvements thereon shall be disturbed by the emplacement of Licensee's Borehole or Soil Gas Implants, then, upon completion of Work thereunder, said surface or improvements shall be promptly restored by Licensee to its condition just prior to such disturbance.
- 3.4 Licensee shall, after the Borehole/Soil Gas Implants are no longer useful to the investigation, backfill or close out such Borehole/Soil Gas Implants according to applicable standards.
- 3.5 Licensee agrees to indemnify, defend, and save Licenser harmless from all liability, damage, expense, causes of action, suits, claims, or judgments, including reasonable attorneys fees, resulting from injuries to persons or damage to property on the Property or on adjoining streets and sidewalks which arise out of the act, failure to act, or negligence of Licensee, its agents, employees, invitees, or guests in performing Work under this License Agreement.
- 3.6 This License Agreement may be terminated by either party upon thirty (30) days prior written notice.
- 3.7 Licensee shall use its best efforts to locate the Borehole/Soil Gas Implants in a manner so as not to unreasonably interfere with Licenser's use and occupation of the Property.
- 3.8 By executing this Agreement, or conducting any Work thereunder, Licensee does not waive any rights it may have against any other person or entity in connection with any contamination such as may actually or allegedly exist at or in the vicinity of the Property.
- 3.9 Neither this Agreement nor any Work thereunder shall constitute or be interpreted or construed as an admission by Licensee of liability or fault under any federal, state, or local law, or for any purpose whatsoever.

IN WITNESS WHEREOF, the parties hereto are authorized to and have executed this License Agreement as of the day and year first above written.

Grimit Family Trust

Angel LaMarca or Peggy Garcia	Cleveland or Dorothy Rancifer
By:	By:
Title:	Title: Property Owner

ALAMEDA COUNTY HEALTH CARE SERVICES



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 12, 2011

Cleveland and Dorothy Rancifer 7 Edgemont Way Oakland, CA 94621

Subject: Property Access by the Parties Responsible for the Investigation and Cleanup of Petroleum Hydrocarbon Pollution at Fuel Leak Case No. R00000413 and Geotracker Global ID T0600100667, Grimit Auto Repair and Service, 1970 Seminary Ave., Oakland, CA 94621

Dear Mr. and Mrs. Rancifer:

Alameda County Environmental Health (ACEH) is overseeing the investigation of the petroleum hydrocarbons and chlorinated solvents released from fuel underground storage tanks (USTs) at the subject site. We are uncertain as to how far the contamination from the tanks has moved.

The ACEH is requiring Grimit Auto Repair to investigate and clean up petroleum hydrocarbon contamination in soil and groundwater at the site to prevent contamination from spreading to other properties or to drinking water sources and reduce the potential threat to human health and the environment. To properly determine the extent of that contamination in groundwater, Grimit Auto Repair must perform additional off-site investigation. Therefore, we need your help in allowing access to your property at 5909 Harmon Avenue, Oakland by Grimit Auto Repair and Service and their consultant Scott Bittinger of Stratus Environmental Inc., to properly define the extent of contamination.

Stratus sent you an access agreement in a letter dated November 11, 2010 and has tried to contact you to obtain access. ACEH requests that you send the completed access agreement to Stratus Environmental Inc.

If you have any questions, please contact Scott Bittinger at Stratus Environmental Inc. at (530) 676-2062. In addition, you can reach me at (510) 639-1287 or send me an electronic mail message at barbara.jakub@acgov.org. Thank you for your cooperation.

Sincerely,

Barbara J. Jakub, P.G.

Hazardous Materials Specialist

Barbara Jakut

Digitally signed by Barbara J. Jakub DN: cn=Barbara J. Jakub, o, ou, email=barbara.jakub@acgov.org, c=US Date: 2011.12.14 16:15:27 -08'00' Mr. and Mrs. Rancifer RO0000413 December 12, 2011, Page 2

cc: Angel LaMarca, Grimit Family Trust, 945 S. Lehigh Drive, Anaheim Hills, CA 92807 (Sent via E-mail to: angelcpt@gmail.com)

Peggy Garcia, 14618 Dublin Avenue, Gardena, CA 90549 (Sent via E-mail to: peggy.h.garcia@sbcglobal.net)

Scott Bittinger, Stratus Environmental, Inc., 3380 Cameron Park Drive, Ste 550, Cameron Park, CA 95682 (Sent via E-mail to: sbittinger@stratusinc.net)

Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 (Sent via E-mail to: lgriffin@oaklandnet.com)

Donna Drogos, ACEH (Sent via E-mail to: donna.drogos@acgov.org)
Barbara Jakub, ACEH (Sent via E-mail to: barbara.jakub@acgov.org)
GeoTracker, e-file