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By Alameda County Environmental Health 10:07 am, Aug 01, 2017

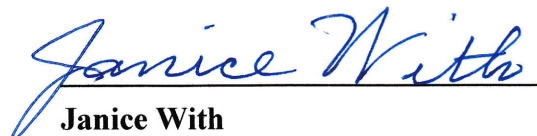
Janice M. With Trust
4033 Terra Granada Dr., Unit 1B
Walnut Creek, CA 94595-4004

Keith Nowell
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, suite 250
Alameda, California 94502

Re: Former C&L Trucking
2460 Wood Street, Oakland, CA

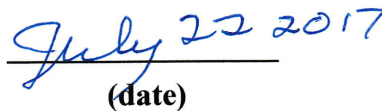
Dear Mr. Nowell:

I have read and acknowledge the content, conclusions and recommendations contained in the "Report of Geophysical Survey and Work Plan for Follow-Up Activities, Former C&L Trucking, 2460 Wood Street, Oakland, CA", dated July 21, 2017 (RO0000510_WP_R_2017-07-21), submitted on my behalf by Hydro Analysis, Inc.



Janice With

Responsible Party
Former C&L Trucking



(date)



HYDRO ANALYSIS, INC.

*Environmental & Water Resources Engineering
Groundwater Consultants*

July 21, 2017

Keith Nowell

Alameda County Department of Environmental Health

1131 Harbor Bay Parkway, suite 250

Alameda, California 94502

Re: Report of Geophysical Survey and Work Plan for Follow-Up Activities

Former C&L Trucking

2460 Wood Street, Oakland, CA

Mr. Nowell:

This document 1) presents the results of a geophysical survey that was conducted in an attempt to locate an additional monitoring well that may be present at the subject site and 2) provides a work plan for follow-up activities that are based upon the results of the geophysical survey.

Geophysical Survey

On July 11, 2017, a geophysical survey was conducted by Subdynamic Locating Services, Inc., San Jose, California. The survey utilized magnetometer, ground penetrating radar and underground utility RF frequency scanner technologies to determine the subsurface conditions within the driveway area surrounding the previous underground tank pit. Due to the presence of rebar in the concrete slab, the magnetometer proved to be ineffective.

The Subdynamic geophysical survey report is provided in Attachment A. Photographs are provided in Attachment B.

The results of the geophysical survey are illustrated in Figure 1.

As indicated in Figure 1, we were able to locate the extents of the underground tank pit and confirm that the underground product piping has been removed.

As indicated in Figure 1, an “area of interest” was identified by the geophysical survey that could possibly be the location of an existing monitoring well that has been covered over. The Subdynamic report provided in Attachment A shows that the radar signature at the “area of interest” is similar to that for existing monitoring well MW-1.

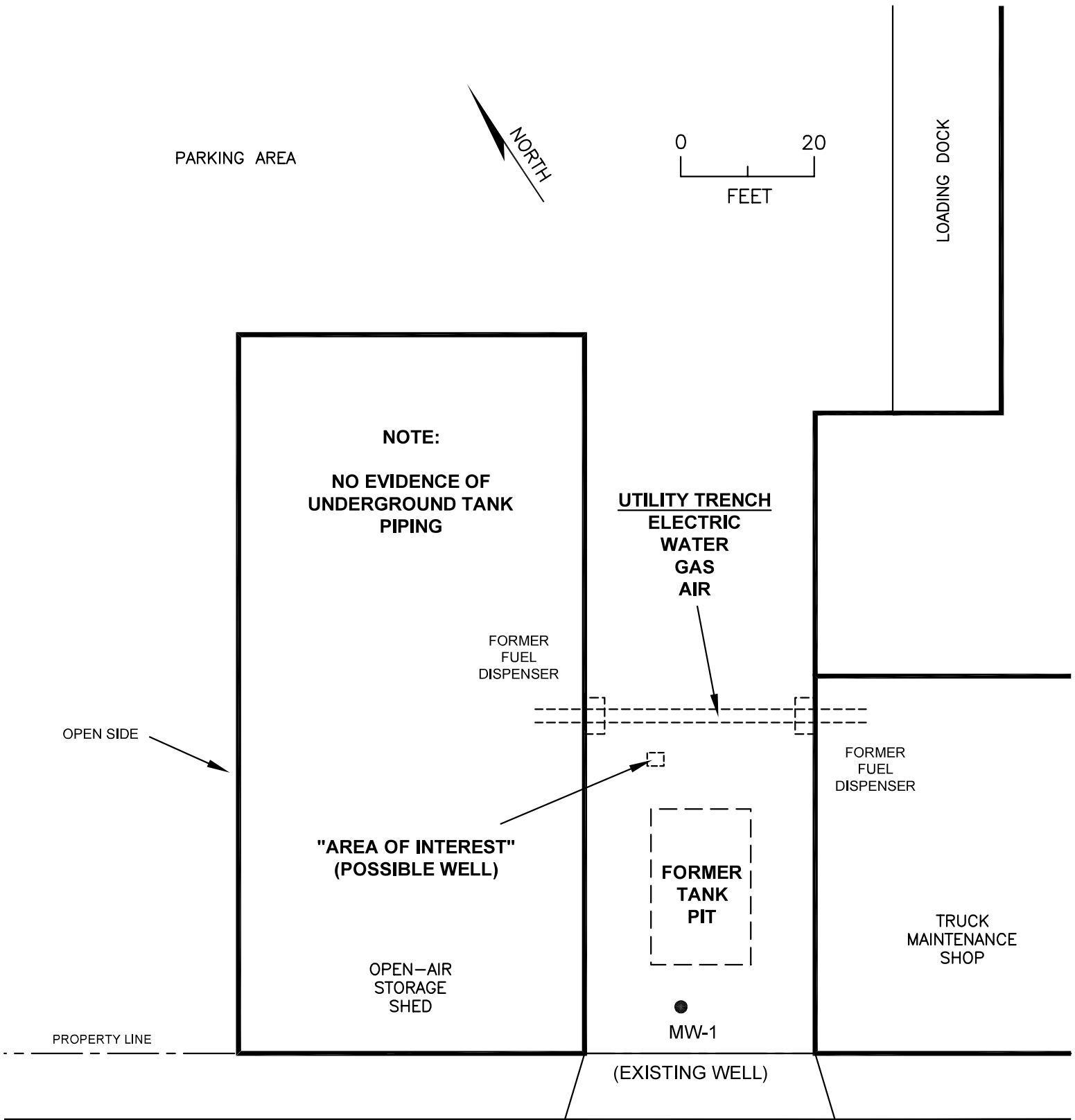


FIGURE 1.
Results of
Geophysical Survey.

Work Plan for Follow-Up Activities

In order to determine whether the identified radar pattern is due to the presence of an existing well or due to some other object buried under the driveway pavement, excavation at the “area of interest” will be required.

The proposed scope of work is as follows:

- 1) The existing driveway pavement consists of reinforced concrete that is interspersed with various patches of asphalt and concrete. We propose to sawcut & remove a 2.5' x 2.5' square in the existing driveway pavement at the location of the “area of interest”.
- 2) Determine if an existing monitoring well is located at the “area of interest”.
- 3) **If an existing well is found**, a new flush-mounted monitoring well box with bolted traffic lid will be installed. The box will be set in Portland cement concrete. The condition of the well will be assessed in terms of suitability for development and sampling.
- 4) **If no well is found**, the square in the pavement will be patched with Portland cement concrete. A work plan will be prepared for a down-gradient subsurface investigation.

Time Schedule

TASK	COMPLETION DATE
1) Excavation to Investigate Additional Well	August 4, 2017
2) Develop and Sample Existing Well MW-1 and Additional Well (if located)	August 8, 2017
3) Groundwater Monitoring Report	August 18, 2017
4) Work Plan for Subsurface Investigation (if no additional well is located)	August 31, 2017

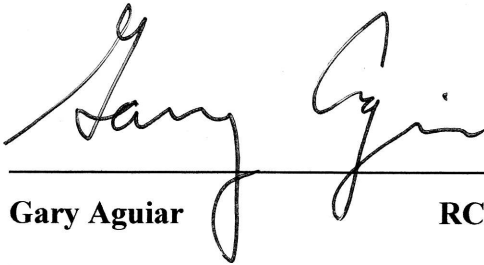
REPORT OF GEOPHYSICAL SURVEY
AND
WORK PLAN FOR FOLLOW-UP ACTIVITIES

FORMER C&L TRUCKING
2460 Wood Street, Oakland, California

July 21, 2017



EXP. 9-30-2017



Gary Aguiar

RCE 34262

ATTACHMENT A

Geophysical Survey Report



Subdynamic Locating Services Inc
 274 Hillsdale Ave
 San Jose, CA 95136
 Phone 408-723-4191
 Fax 408-723-4142

SERVICE AGREEMENT - GPR

This is an agreement by and between Subdynamic Locating Services, Inc. hereafter referred to as "SLS" and the undersigned, hereafter referred to as "Customer"

NO. **G17-4247**

Date **7/11/2017**

Complete

Customer Name HydroAnalysis	
Billing Address	
City, State, Zip	
Requested By Gary	Phone 510-301-7767
PO#	JOB# With Property

FINDINGS: GPR cart scan was conducted on the drive way of 2460 Wood St. entrance of 24th street as instructed by Gary on site to locate a buried well. Trench of old tank was identified and marked out in pink paint for estimated boundaries. (See pg. 2)

Job Name 2460 Wood St
Job Address 2460 Wood St (driveway off 24th St.)
City, State, Zip Oakland, California
Contact Gary Aguiar 510-301-7767
E-mail: Gary@HydroAnalysis.com

The scope of work for this site will be to perform GPR scanning of areas specified below.

Scope of Work:

GPR cart scan to locate buried well and identify old tank location.

Equipment used: GPR smart cart Noggin 250MHz provides a high resolution, cross-sectional image. A short pulse of electromagnetic energy is radiated downward. When this pulse strikes an interface between layers of materials part of the electromagnetic wave gets reflected back and is recorded/displayed on screen.

Metrotech Vivax Locator transmitter and receiver: was utilized by direct

GPR can't see PVC, Transite, cement, clay pipe in clay soil, any type of insulated line

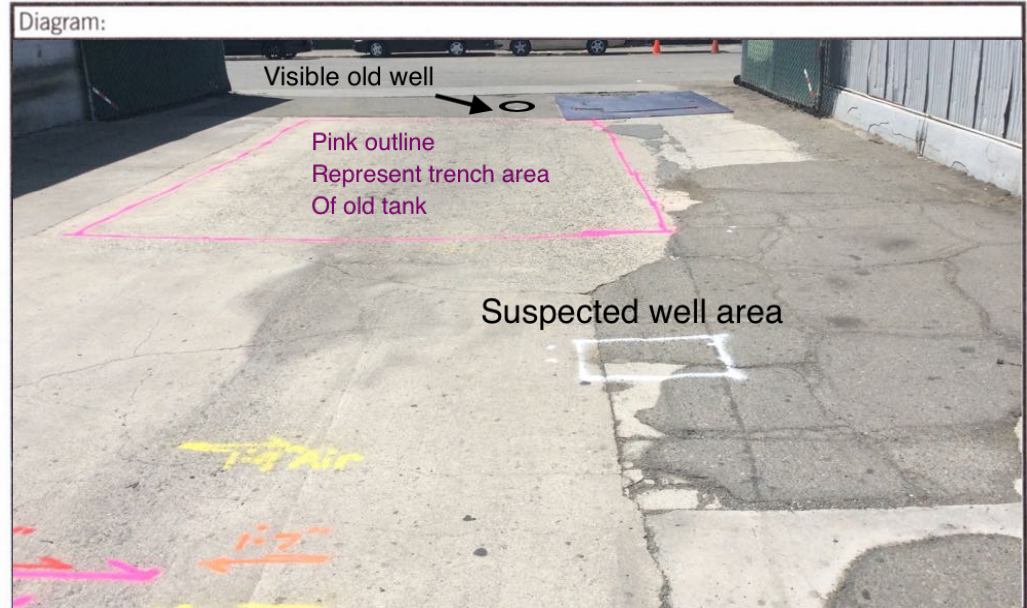
Antenna 2600MHz 2000MHz 1600MHz 400MHz

Work Authorization and Billing Terms: I the undersigned am owner / authorized representative of the property or company mentioned above. I hereby authorize SLS to perform the scope of work outlined above. I understand that the cost of performing this work is \$ 185 Per Hour with a 4 hour minimum up to 8 hours in a day and time and a half for any time over 8 hours in a day and that SLS charges mob-demob time (including travel time). I understand that downtime and standby time due to circumstances at the jobsite out of SLS control will be charged at the same rate.

I understand that GPR and GPR equipment can not 'see' everything that is burried and that there are limitations as to what can be discovered with GPR and shall hold SLS harmless for any and all liability in the event that something can not be detected by GPR.

All work is to be done COD unless a previous agreement has been arranged in writing with SLS in which case terms are net 30. I agree to pay reasonable attorney fees and court costs in the event of legal action pursuant to section 1717 and/or 1719 of the California Civil Code. I have read, agree to and will receive a copy of this Service Agreement.

SIGNATURE :



TECH/ITEM	DATE	Start Time	End Time	HOURS	AMOUNT
Adam Lazaro	7/11/2017	9:00 AM	1:00 PM	4:00	4

Client OT Authorization	Total Amount Due: 4
Credit Card	
Name on Card	
Billing Address	
CVN II	To be billed
Exp. Date	

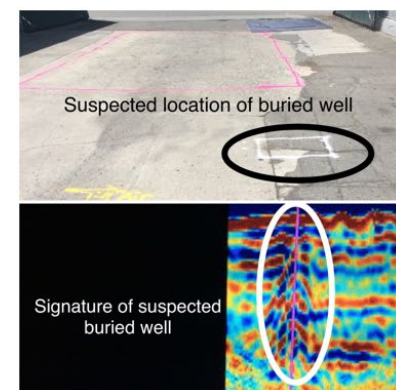
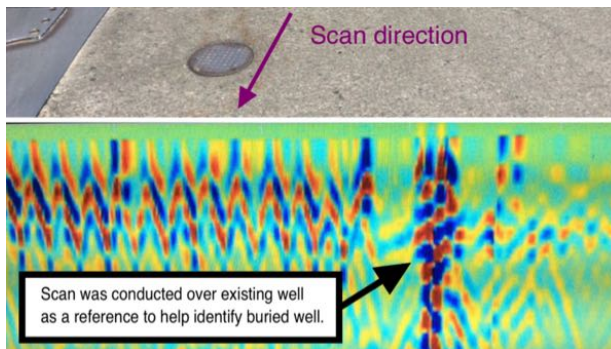
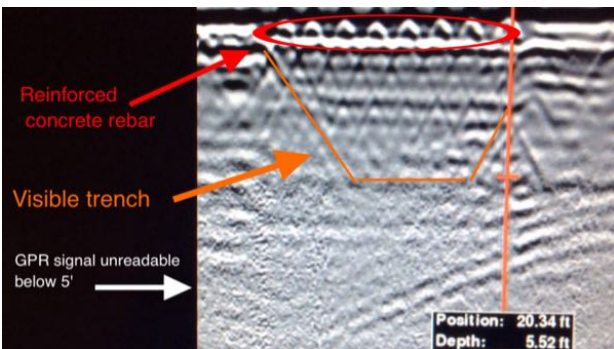
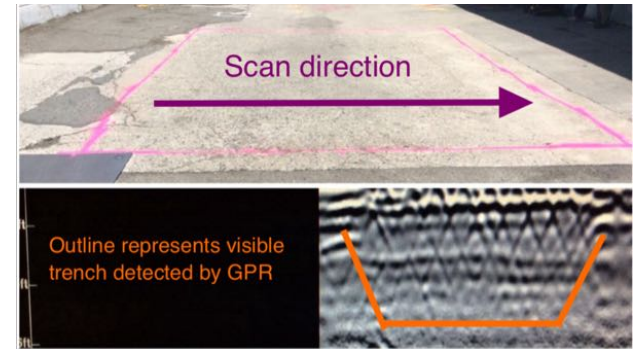
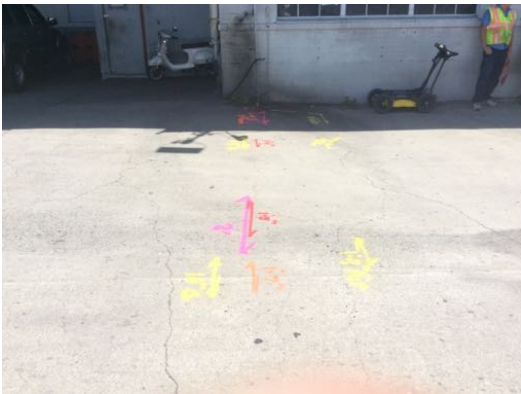
ALL WORK IS COMPLETE FOR THIS SERVICE AGREEMENT **Complete**

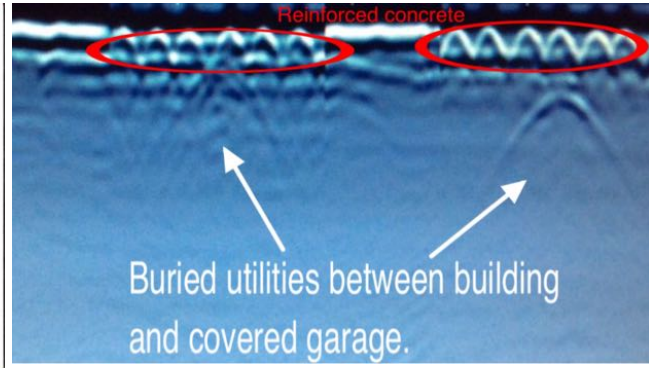
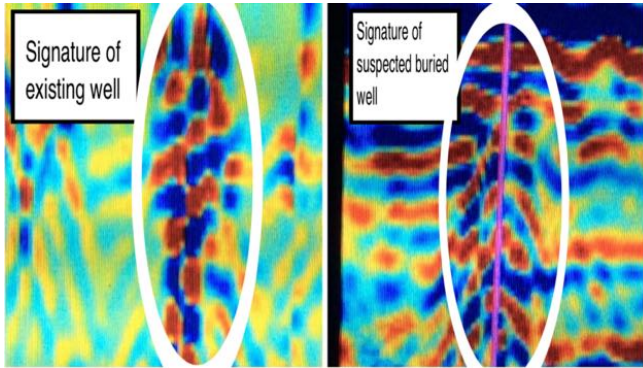
Tech Signature:

Authorized Signature: **Print Gary Aguiar**

Service Agreement Page 2 Additional Notes, Findings, Pictures

Existing monitoring well was scanned as a reference signature to help compare any other possible buried well. After scanning the driveway, one small possible location of suspected buried monitoring well was boxed outlined with white paint (see photos). Exposed utilities between building and covered garage facility was marked out and given approximate depths. Utilities between building and garage facility include: communication (orange), Electric (red), gas and air (yellow), unknown utility (pink). Utilities were found with GPR and with direct connection locating technique. Note: GPR was unable to view depth below approximate 5' possibly do to water table or soil composition.





HA
HYDRO ANALYSIS, INC.

GARY AGUIAR, P.E.
Principal Engineer

514 El Cerrito Plaza
El Cerrito, CA 94530

Tel (510) 529-4980
Cell (510) 301-7767
E-Mail Gary@HydroAnalysis.com

- Environmental Engineering
- Water Resources
- Groundwater Consultants

The business card features a logo with the letters 'HA' in red and blue, with a stylized water drop and waves below it. The text is in a clean, sans-serif font.

ATTACHMENT B

Photographs







**GEOPHYSICAL SURVEY
JULY 11, 2017**

**FORMER C&L TRUCKING
2460 WOOD STREET, OAKLAND, CA**