

Wickham, Jerry, Env. Health

From: Jonas, Mark [mjonas@craworld.com]
Sent: Friday, August 28, 2009 11:00 AM
To: Wickham, Jerry, Env. Health
Cc: Fong, Bryan; mark@borsuk.com
Subject: FW: Modify Sampling Locations, Borsuk 540188, RO0000266
Attachments: 540188-Modified Sampling Locations (2) 2009-8, Borsuk.pdf

Jerry:

As requested, we will add VOCs to the soil gas sample to be collected near the former waste oil tanks at the Borsuk site.

Soil Gas Analysis, Sampling Containers, Preservatives, Detection Limits, and Holding Times

Analysis and Method	Sampling Containers	Preservatives	Detection Limit (ug/m ³)	Holding Times
TPHg (Method TO-3)	Summa Canister	None	100	30 days
Benzene, Ethylbenzene, Toluene, Xylenes (Method TO-15)	Summa Canister	None	1.6, 2.2, 1.9, 2.2	30 days
Volatile Organic Compounds (Method TO-15)	Summa Canister	None	varies	30 days
Butane, Isobutane, Propane (Method TO-15, TIC) - For leak detection.	Summa Canister	None	6, 6, 4.5	30 days
Oxygen, Carbon Dioxide, Methane & Helium (Method ASTM 1946)	Summa Canister	None		30 days

Thanks for working through these issues in an expedited manner.

Sincerely,

Mark Jonas

Mark Jonas, P.G.

Conestoga-Rovers & Associates, Inc.

510/420-3307 direct

www.CRAworld.com

From: Jonas, Mark
Sent: Friday, August 28, 2009 10:02 AM
To: 'Wickham, Jerry, Env. Health'
Cc: Fong, Bryan; 'mark'
Subject: RE: Modify Sampling Locations, Borsuk 540188, RO0000266

Jerry:

Good call. So we will cancel the boring in Alice Street near MW-3 and replace it with a soil gas probe in the general area of the former waste oil tanks. We'll need to complete a utility survey and get an encroachment permit for this soil vapor probe. We'll proceed with the rest of the field work (on Aug 31-Sept 2), but we'll need to install the soil vapor probe as soon as the utility survey and encroachment permit are complete. Below is a list of proposed soil gas analytes. Do you want us to add any other analytes for the soil gas sample adjacent to the former waste oil tanks?

Soil Gas Analysis, Sampling Containers, Preservatives, Detection Limits, and Holding Times

Analysis and Method	Sampling Containers	Preservatives	Detection Limit (ug/m ³)	Holding Times
TPHg (Method TO-3)	Summa Canister	None	100	30 days
Benzene, Ethylbenzene, Toluene, Xylenes (Method TO-15)	Summa Canister	None	1.6, 2.2, 1.9, 2.2	30 days
Butane, Isobutane, Propane (Method TO-15, TIC) - For leak detection.	Summa Canister	None	6, 6, 4.5	30 days
Oxygen, Carbon Dioxide, Methane & Helium (Method ASTM 1946)	Summa Canister	None		30 days

Thank you for the quick turn around concerning this issue.

Sincerely,

Mark Jonas

Mark Jonas, P.G.

Conestoga-Rovers & Associates, Inc.

510/420-3307 direct

www.CRAworld.com

From: Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]

Sent: Thursday, August 27, 2009 5:05 PM

To: Jonas, Mark

Cc: Fong, Bryan; mark@borsuk.com

Subject: RE: Modify Sampling Locations, Borsuk 540188, RO0000266

Mark,

In reviewing the proposed modified location for the soil boring along Alice Street, it appears the new proposed location would not meet the objective of obtaining a grab groundwater sample downgradient from the former USTs. Collection of a soil vapor sample adjacent to the former Alice Street USTs may be of more benefit than moving the boring adjacent to MW-3 and collecting another crossgradient groundwater sample.

Regards,

Jerry Wickham

Alameda County Environmental Health

1131 Harbor Bay Parkway

Alameda, CA 94502

510-567-6791

jerry.wickham@acgov.org

From: Jonas, Mark [mailto:mjonas@craworld.com]

Sent: Thursday, August 27, 2009 11:55 AM

To: Wickham, Jerry, Env. Health

Cc: Fong, Bryan; mark@borsuk.com

Subject: FW: Modify Sampling Locations, Borsuk 540188, RO0000266

Jerry:

It was good speaking with you. I made a minor modification to the text below. Please contact me for any reason. Thank you again.

Sincerely,

Mark Jonas

Mark Jonas, P.G.

Conestoga-Rovers & Associates, Inc.

510/420-3307 direct

www.CRAworld.com

From: Jonas, Mark

Sent: Thursday, August 27, 2009 11:43 AM

To: 'Wickham, Jerry, Env. Health'

Cc: Mark Borsuk (mark@borsuk.com); Fong, Bryan

Subject: Modify Sampling Locations, Borsuk 540188, RO0000266

Dear Jerry:

I was out on the Borsuk site (1432 Harrison, RO0000266) today with CRA staff geologist Bryan Fond and a utility survey service. We had to move some of the proposed sampling locations due to a significant array of subsurface utilities along Harrison. We also moved a boring to help characterize the former waste oil tanks from inside a subsurface garage to a cleared location on Alice Street. Limited height and poor ventilation were limitations inside the subsurface parking garage. The sidewalk was directly above the subsurface parking garage; therefore the only other alternative was on Alice Street. Also, we could not find any location for the proposed soil vapor probes, adjacent to MW-5 and MW-4 (not MW-6), due to subsurface utilities. Our protocol requires us to be five feet from a subsurface utility to clear a proposed subsurface sampling location. Attached is a figure with the modified sampling locations. I am available to meet you in person today, if you would like to discuss these proposed changes. I am also available via my direct line (510/420-3307).

Field work starts Monday, August 31st and should continue through Wednesday, September 2nd. Bryan Fong (510/385-0509 m.) is the field manager. I will be on-site periodically. You are welcome to come by. If possible, please give me a call so I can be present.

Sincerely,

Mark Jonas

Mark Jonas, P.G.

Conestoga-Rovers & Associates, Inc.

5900 Hollis Street, Suite A

Emeryville, California 94608

510/420-3307 direct

510/385-0022 mobile

510/420-9170 fax

www.CRAworld.com

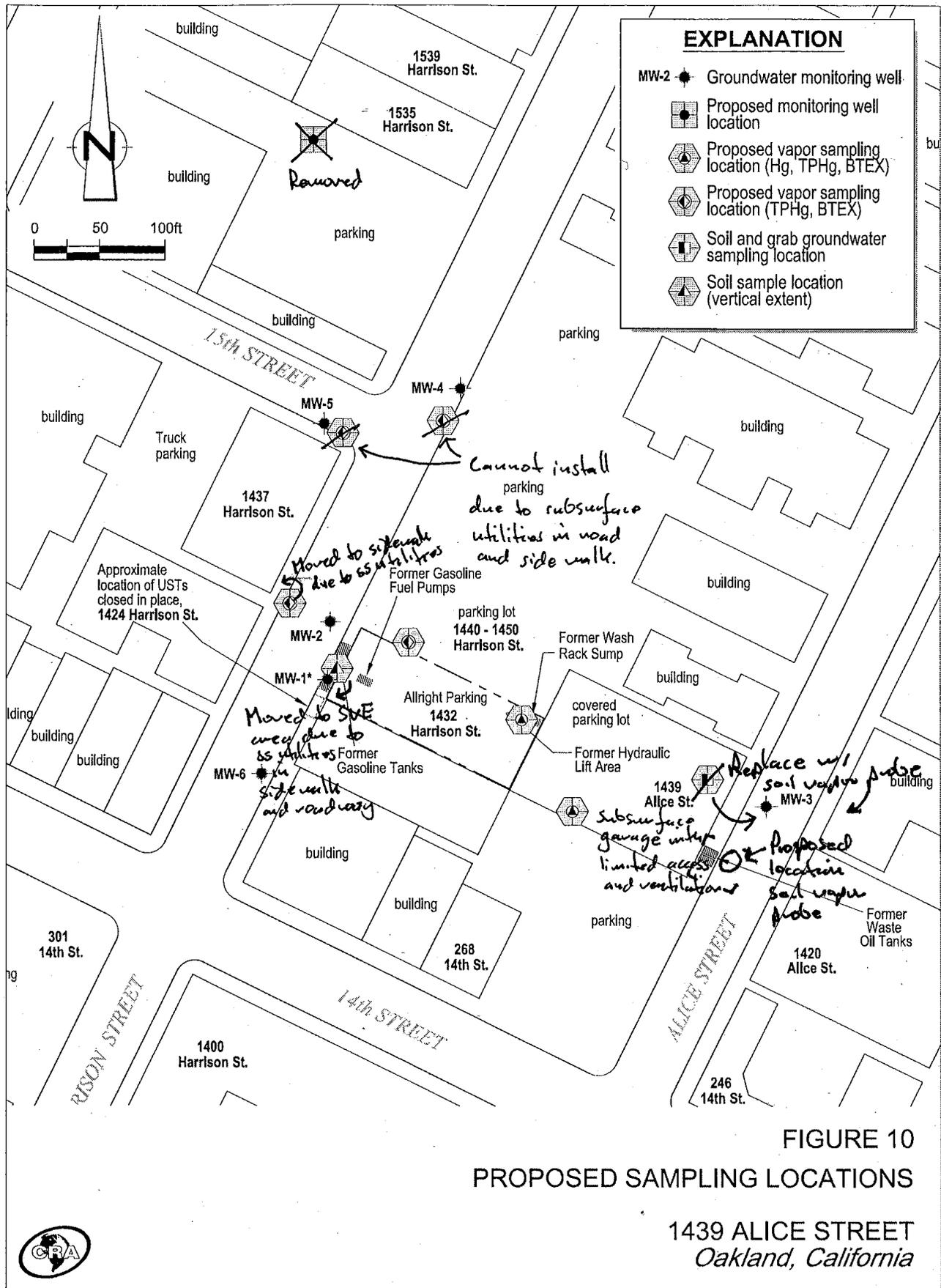


FIGURE 10
PROPOSED SAMPLING LOCATIONS

1439 ALICE STREET
Oakland, California



I:\RIBORSUK-OAKLAND\FIGURES\8.5X11-PROP.DWG

Revision per J. Williams 8/27 email
M. Jones

Revision of proposed location based subsurface utilities and subsurface gauge. M. Jones, P.G. 8/27/09

Wickham, Jerry, Env. Health

From: Jonas, Mark [mjonas@craworld.com]
Sent: Friday, August 28, 2009 10:02 AM
To: Wickham, Jerry, Env. Health
Cc: Fong, Bryan; mark
Subject: RE: Modify Sampling Locations, Borsuk 540188, RO0000266
Attachments: 540188-Modified Sampling Locations (2) 2009-8, Borsuk.pdf

Jerry:

Good call. So we will cancel the boring in Alice Street near MW-3 and replace it with a soil gas probe in the general area of the former waste oil tanks. We'll need to complete a utility survey and get an encroachment permit for this soil vapor probe. We'll proceed with the rest of the field work (on Aug 31-Sept 2), but we'll need to install the soil vapor probe as soon as the utility survey and encroachment permit are complete. Below is a list of proposed soil gas analytes. Do you want us to add any other analytes for the soil gas sample adjacent to the former waste oil tanks?

Soil Gas Analysis, Sampling Containers, Preservatives, Detection Limits, and Holding Times

Analysis and Method	Sampling Containers	Preservatives	Detection Limit (ug/m ³)	Holding Times
TPHg (Method TO-3)	Summa Canister	None	100	30 days
Benzene, Ethylbenzene, Toluene, Xylenes (Method TO-15)	Summa Canister	None	1.6, 2.2, 1.9, 2.2	30 days
Butane, Isobutane, Propane (Method TO-15, TIC) - For leak detection.	Summa Canister	None	6, 6, 4.5	30 days
Oxygen, Carbon Dioxide, Methane & Helium (Method ASTM 1946)	Summa Canister	None		30 days

Thank you for the quick turn around concerning this issue.

Sincerely,

Mark Jonas

Mark Jonas, P.G.

Conestoga-Rovers & Associates, Inc.

510/420-3307 direct

www.CRAworld.com

From: Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]

Sent: Thursday, August 27, 2009 5:05 PM

To: Jonas, Mark

Cc: Fong, Bryan; mark@borsuk.com

Subject: RE: Modify Sampling Locations, Borsuk 540188, RO0000266

Mark,

In reviewing the proposed modified location for the soil boring along Alice Street, it appears the new proposed location would not meet the objective of obtaining a grab groundwater sample downgradient from the former USTs. Collection of a soil vapor sample adjacent to the former Alice Street USTs may be of more benefit than moving the boring adjacent to MW-3 and collecting another crossgradient groundwater sample.

Regards,

Jerry Wickham

Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
510-567-6791
jerry.wickham@acgov.org

From: Jonas, Mark [mailto:mjonas@croworld.com]
Sent: Thursday, August 27, 2009 11:55 AM
To: Wickham, Jerry, Env. Health
Cc: Fong, Bryan; mark@borsuk.com
Subject: FW: Modify Sampling Locations, Borsuk 540188, RO0000266

Jerry:

It was good speaking with you. I made a minor modification to the text below. Please contact me for any reason. Thank you again.

Sincerely,

Mark Jonas

Mark Jonas, P.G.
Conestoga-Rovers & Associates, Inc.
510/420-3307 direct

www.CRAworld.com

From: Jonas, Mark
Sent: Thursday, August 27, 2009 11:43 AM
To: 'Wickham, Jerry, Env. Health'
Cc: Mark Borsuk (mark@borsuk.com); Fong, Bryan
Subject: Modify Sampling Locations, Borsuk 540188, RO0000266

Dear Jerry:

I was out on the Borsuk site (1432 Harrison, RO0000266) today with CRA staff geologist Bryan Fond and a utility survey service. We had to move some of the proposed sampling locations due to a significant array of subsurface utilities along Harrison. We also moved a boring to help characterize the former waste oil tanks from inside a subsurface garage to a cleared location on Alice Street. Limited height and poor ventilation were limitations inside the subsurface parking garage. The sidewalk was directly above the subsurface parking garage; therefore the only other alternative was on Alice Street. Also, we could not find any location for the proposed soil vapor probes, adjacent to MW-5 and MW-4 (not MW-6), due to subsurface utilities. Our protocol requires us to be five feet from a subsurface utility to clear a proposed subsurface sampling location. Attached is a figure with the modified sampling locations. I am available to meet you in person today, if you would like to discuss these proposed changes. I am also available via my direct line (510/420-3307).

Field work starts Monday, August 31st and should continue through Wednesday, September 2nd. Bryan Fong (510/385-0509 m.) is the field manager. I will be on-site periodically. You are welcome to come by. If possible, please give me a call so I can be present.

Sincerely,

Mark Jonas

Mark Jonas, P.G.
Conestoga-Rovers & Associates, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608
510/420-3307 direct
510/385-0022 mobile
510/420-9170 fax

www.CRAworld.com

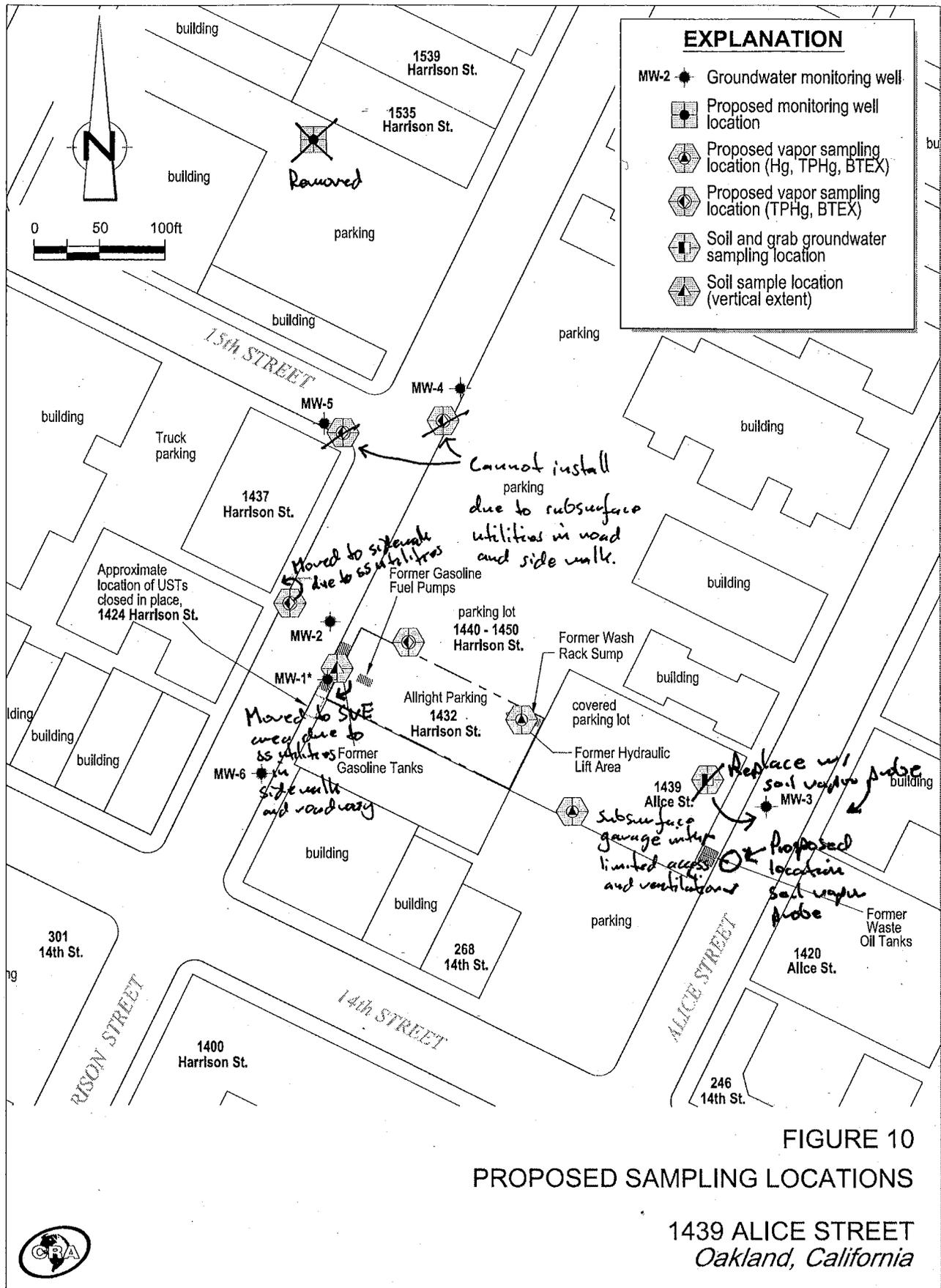


FIGURE 10
PROPOSED SAMPLING LOCATIONS

1439 ALICE STREET
Oakland, California



I:\RIBORSUK-OAKLAND\FIGURES\8.5X11-PROP.DWG

Revision per J. Williams 8/27 email
M. Jones

Revision of proposed location based subsurface utilities and subsurface gauge. M. Jones, P.G. 8/27/09