

York, Andrew, Env. Health

Subject: FW: ACEHS Case RO0002908 - Soil Vapor Probe Work Plan
Attachments: 312264-UTL-2018-01-11.pdf; Livermore_Figure_Ready (002).pdf

From: Roe, Dilan, Env. Health
Sent: Saturday, January 27, 2018 9:28 AM
To: 'MacLeod, Carryl G' <CMacleod@chevron.com>
Cc: 'Brandenburg, J.P.' <JohnPaul.Brandenburg@arcadis.com>; 'Szymanowski, Katherine' <Katherine.Szymanowski@arcadis.com>; 'Drew York (Andrew.York@acgov.org)'; 'NSihota@chevorn.com' <NSihota@chevorn.com>; Katen, Matt, Zone 7 <MKaten@zone7water.com>
Subject: RE: ACEHS Case RO0002908 - Soil Vapor Probe Work Plan

Good Morning Carryl:

Alameda County Department of Environmental Health has reviewed the Soil Vapor Investigation Work Plan addendum material provided by Arcadis on your behalf in an email correspondence on January 22, 2018. The addendum material provides the locations for two soil gas probes (VP-4 and VP-5) that are proposed to be installed to evaluate the vapor intrusion risk to the adjacent Peet's Coffee building. Based on our discussion during the meeting on January 10, 2018, ACDEH concurs with the modified scope of work presented in the Work Plan addendum material modifying the number and location of soil gas probes proposed in the Soil Vapor Investigation Work Plan prepared by GHD and dated December 22, 2017. The approved scope of work includes installation of the two permanent soil vapor probes (VP-4 and VP-5) and collection of soil vapor samples from existing probe VP-1 and the newly installed probes VP-4 and VP-5 in accordance with the standard operating procedures presented in the Work Plan.

Please upload the attached files as a "Soil Vapor Investigation Work Plan Addendum" to the State Water Resources Control Board's Geotracker database. Please reference the previous work plan in the addendum.

I sent an email to Zone 7 on Friday January 26, 2018 requesting that they expedite the issuance of the permit to facilitate installation of the probes next week.

Dilan Roe, PE, C73703

Chief – Land Water Division

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From: Szymanowski, Katherine [<mailto:Katherine.Szymanowski@arcadis.com>]
Sent: Monday, January 22, 2018 9:19 PM
To: Roe, Dilan, Env. Health <Dilan.Roe@acgov.org>
Cc: Brandenburg, J.P. <JohnPaul.Brandenburg@arcadis.com>; MacLeod, Carryl G <CMacleod@chevron.com>
Subject: ACEHS Case RO0002908 - Soil Vapor Probe Work Plan

Dilan,

Attached is the map of the site with the utilities and photos with the utilities superimposed. Placing the probes ~5 feet away laterally from the utilities will help limit the potential of short circuiting. The utilities near the probes are electrical for exterior lighting (along the side of the building) and communication lines running along the front of the Peet's coffee. The communication lines run into vaults along the sidewalk, the water and sewer go directly to the street, and the gas goes directly to the street. The utilities are shallow and should not short circuit the 5 foot or 10 foot bgs soil vapor samples. The use of a helium shroud and the analysis of O2, Co2, N, methane, and He by ASTM-D-1946 will allow us to measure any ambient air short circuiting to the vapor probe or short circuiting from probe construction. Please let us know if this is approved. The new Zone 7 folks are enforcing the 10 day TAT on permits. Permits are needed for probes constructed 10 feet bgs or deeper. If you have another contact at zone 7 that may help us expedite the permitting it would be appreciated. Thank you for your time.

Kathy

Katherine Szymanowski (Formerly Brandt) P.G. | Principal Geologist, Project Manager |

katherine.szymanowski@arcadis.com

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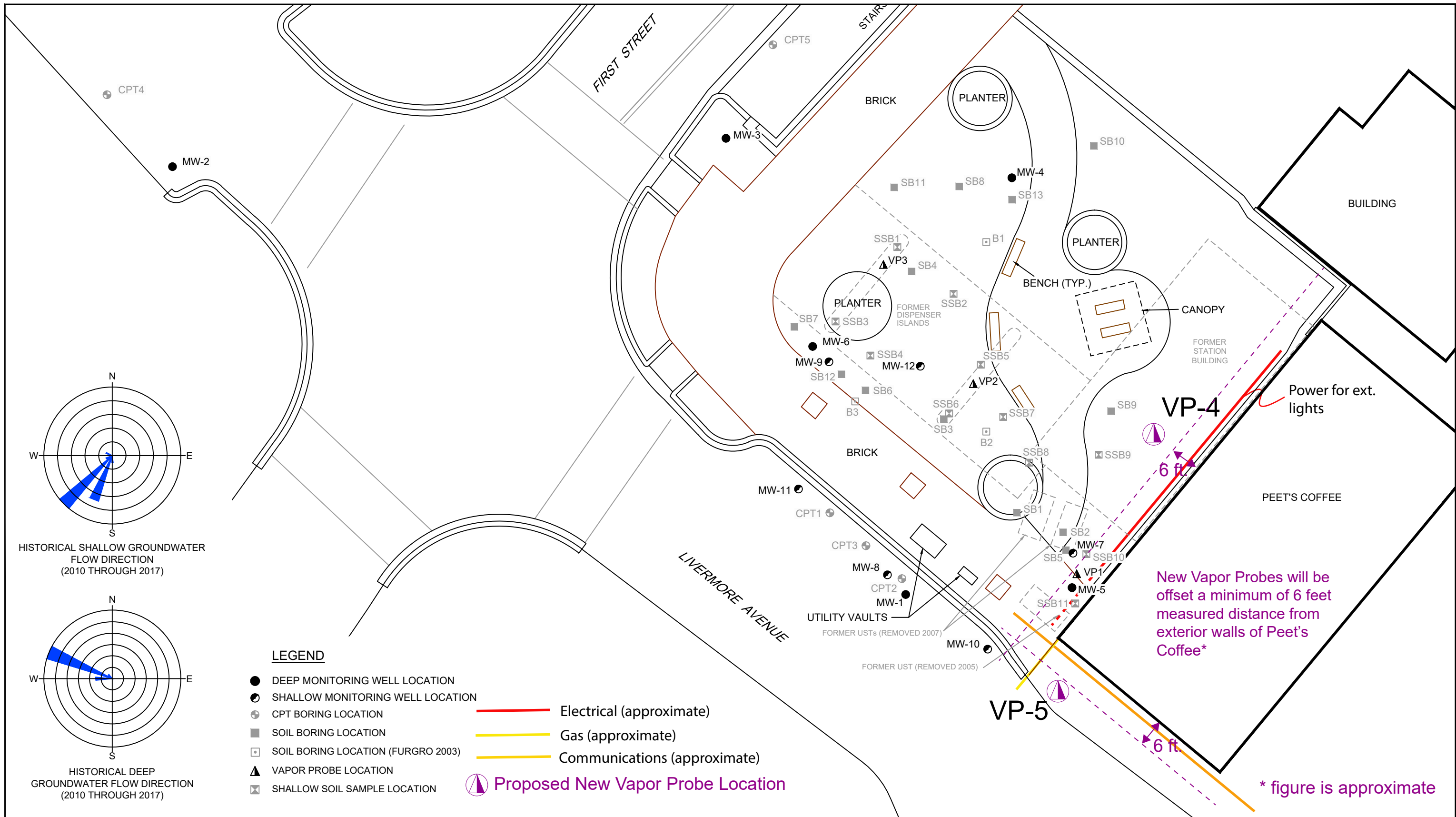
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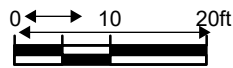
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BASE MAP MODIFIED BY DRAWING FROM MORROW SURVEYING.



FORMER STANDARD OIL STATION (CHEVRON 307233)
 2259 FIRST STREET
 LIVERMORE, CALIFORNIA

SITE PLAN

312264-2017.2

Sep 7, 2017

FIGURE 2



VP-4

VP-5

