

From: Yoo, James
Sent: Thursday, June 12, 2008 3:02 PM
To: Ricky Bradford
Cc: Wickham, Jerry, Env. Health
Subject: RE: Followup Regarding Extraction Wells Beneath New Building for 245 8th Street, Oakland Remediation Project
Ricky:

Your proposal seems fine. I don't see any problems with doing this.

Thanks.

JAMES YOO
ENVIRONMENTAL COMPLIANCE SPECIALIST
ALAMEDA COUNTY PUBLIC WORKS AGENCY
WATER RESOURCES SECTION
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website: www.acgov.org/pwa/wells

From: Ricky Bradford [mailto:rbradford@aeiconsultants.com]
Sent: Thursday, June 12, 2008 12:22 PM
To: Yoo, James
Cc: Wickham, Jerry, Env. Health
Subject: Followup Regarding Extraction Wells Beneath New Building for 245 8th Street, Oakland Remediation Project

Hi James, I just wanted to email you a site map and piping plan regarding the message I left you this morning about leaving three (3) monitoring/extraction wells (i.e., MW-10, MW-11, and MW-12) in place beneath a proposed building at 708 Alice Street. The wells were installed for the monitoring and remediation of a fuel release from the 245 8th Street property. The 708 Alice Street property has been vacant for many years now, but building plans have been approved and the owner is going to build on the property. We have discussed this situation with our case manager Mr. Jerry Wickham at Alameda County Environmental Health (ACEH).

Basically, we have a large groundwater plume (>150-feet) extending from onsite to somewhere beyond 7th Street and a potential vapor intrusion concern at nearby residences. We've been actively remediating using onsite wells since June of last year and offsite wells at 708 Alice Street since November of last year. Rather than abandoning the wells, which would make the cleanup much more difficult and costly,

we would like to leave MW-10, MW-11, and MW-12 in place beneath the proposed building as described in the attached drawings. We have designed the wells and piping network in such a way that we'll still have the ability to effectively seal the wells with a cement slurry using the 1" extraction hose, called a "drop tube" or "stinger", as a tremi-pipe. Please refer to the attached piping plan for more details.

Thanks for you time and consideration in this matter. I look forward to hearing from you and discussing the specifics. Should you have any questions or comments, or need any additional information, you may reach me at the office or on my cell phone.

Sincerely,

Ricky Bradford

Project Engineer

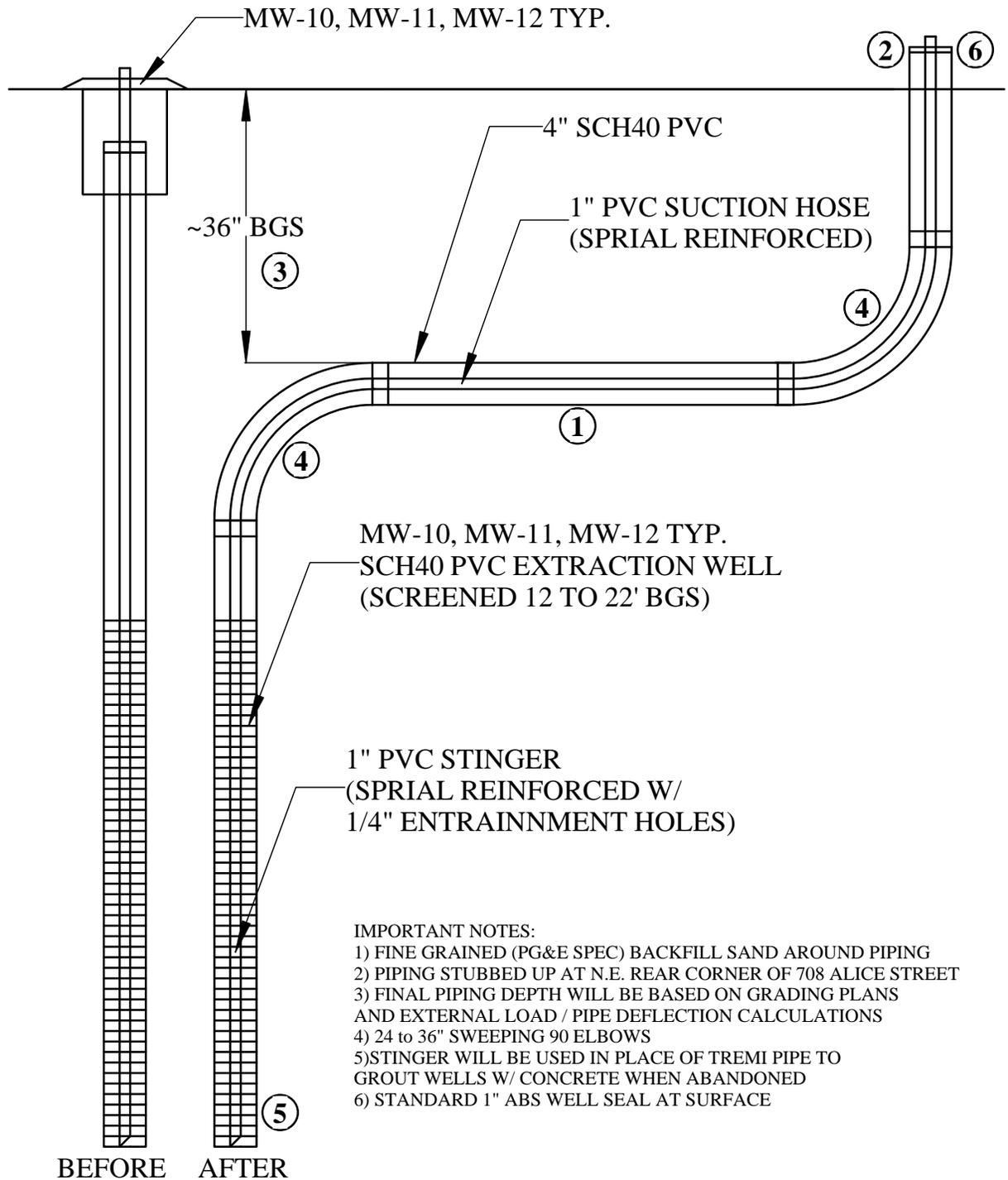
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NOT TO SCALE

LEGEND

DRAFTED BY RJB 06-10-08
REVISED BY RJB 06-10-08

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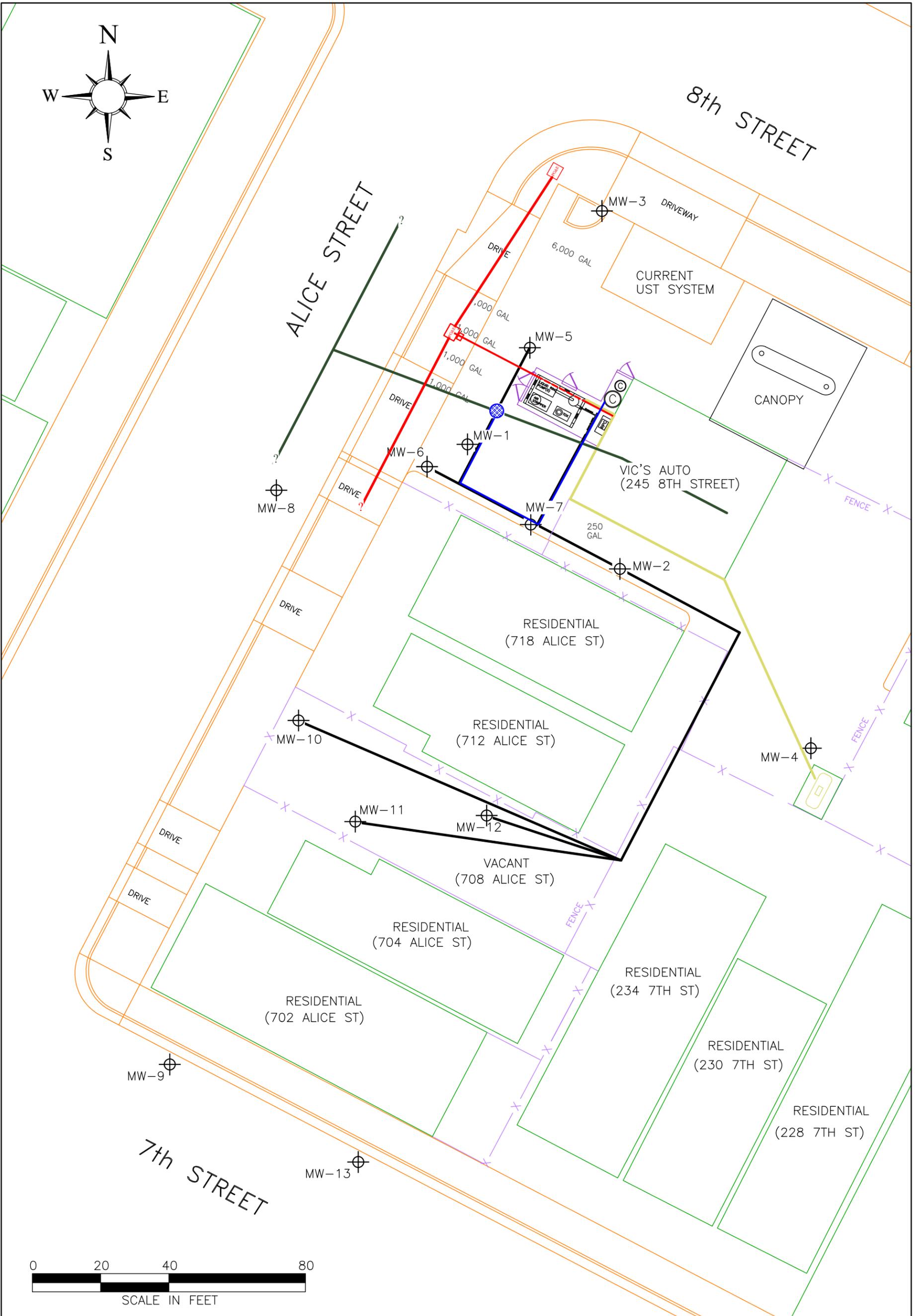
2500 CAMINO DIABLO, SUITE 200, WALNUT CREEK

EXTRACTION WELL PIPING PLAN
(BELOW BUILDING FOUNDATION)

245 8TH STREET
OAKLAND, CALIFORNIA

FIGURE X
PROJECT NO. 116907

DRAFT



DRAFTED BY RJB 10-01-07
 REVISED BY RJB 04-25-08

LEGEND

- ⊕ MONITORING WELL
- SOIL BORING (8/9/96)
- SOIL BORING (04/02 & 03/03)
- ⊕ SOIL GAS PROBE
- ⊕ MONITORING STRUCTURE
- HVDE CONVEYANCE PIPING (~18 - 24" BGS)
- WATER DISCHARGE (~24" BGS)
- SANITARY SEWER (~36 - 48" BGS)
- TEMPORARY POWER SERVICE (~24" BGS)
- PROPANE LINE (~18 - 24" BGS)

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 2500 CAMINO DIABLO, SUITE 200, WALNUT CREEK

SYSTEME LAYOUT PLAN

245 8TH STREET
 OAKLAND, CALIFORNIA

FIGURE 3
 PROJECT NO. 116907