

November 8, 2005

Mr. Barney Chan
Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway
Alameda, CA 94502

Re: **Email Addendum**^[ingj2]
Former Chevron Station 9-0260
21995 Foothill Blvd.
Hayward, California
Cambria Project No. 31H-1915
ACEH No. RO0000143

383

Dear Mr. Chan:

On behalf of Chevron Environmental Management Company (Chevron), Cambria Environmental Technology Inc. (Cambria) submits this letter summarizing the details of the planned remediation system for the site referenced above.

As per our conversation on November 4, 2005, the following issues will be addressed:

- The cleanup level for benzene onsite will be 1,900 ppb, *• for onsite / commercial use*
• @w not considered a dw source
• Risk is 10⁻⁵
- Clarification of the proposed remediation system including proposed placement of wells with screened intervals,
- Proposed placement of groundwater monitoring wells with screened intervals within the deeper high-permeability zone.

CLEANUP GOALS

The cleanup level for dissolved benzene in groundwater, as accepted by the ACHCSA, will be 1,900 ppb for benzene and applies to onsite conditions (ACHCSA, 1997). Compliance will be established in the existing groundwater monitoring wells and vapor monitoring probes.

REMEDIATION SYSTEM

The previous remediation system, operated by Terra Vac from July 1997 to June 2002, was successful in the reduction of mass in the targeted zone of the silt and clay area above groundwater, approximately 8-14 feet below grade (fbg). Dual vacuum extraction^[ingj3] (DVE) wells 1-16 were screened in 5-foot sections above groundwater and DVE wells 17-19 were screened in 10 foot sections within the groundwater zone (Table attached: DVE Well Construction Details).

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The proposed multiphase extraction system will target the shallow high permeability zone at approximately 15-20 fbg (Figure attached: Cross Section A-A'). Cambria will install 6 new wells and use existing DVE wells 9, 18 and 19. The system will also be designed so that the remediation system can be expanded to target the deeper sands if warranted by dissolved phase concentrations (Figure attached: Proposed DPE Wells).

WELL INSTALLATION

Cambria proposed to install seven wells on- and offsite to verify if hydrocarbons are present in the deep high-permeability zone of approximately 30-40 fbg encountered in CPT borings installed during the previous phase of investigation (Figures attached: Cross Sections A-A' and D-D'). Groundwater samples taken from the deep high-permeability zone contained detectable concentrations of dissolved petroleum hydrocarbons (Figure attached: Expanded Site Plan with Proposed Deep Wells). These wells will have approximately 5-foot screens and placement of the screens will be based on lithology described in the CPT logs.

CLOSING

As mentioned during our phone conversation, your prompt response will help facilitate the decision review for Chevron, which occurs on November 16. Please contact Charlotte Evans at (510) 420-3351 or Robert Foss at (510) 420-3348 with any questions or comments regarding this workplan.

Sincerely,
Cambria Environmental Technology, Inc.

Charlotte Evans
Staff Geologist

Robert Foss, P.G.
Associate Geologist
Attachments: ACHCSA, 1997
Cross Sections A-A'
Cross Sections D-D'
DVE Well Construction Details
Expanded Site Plan with Proposed Deep Wells
Proposed DPE Wells

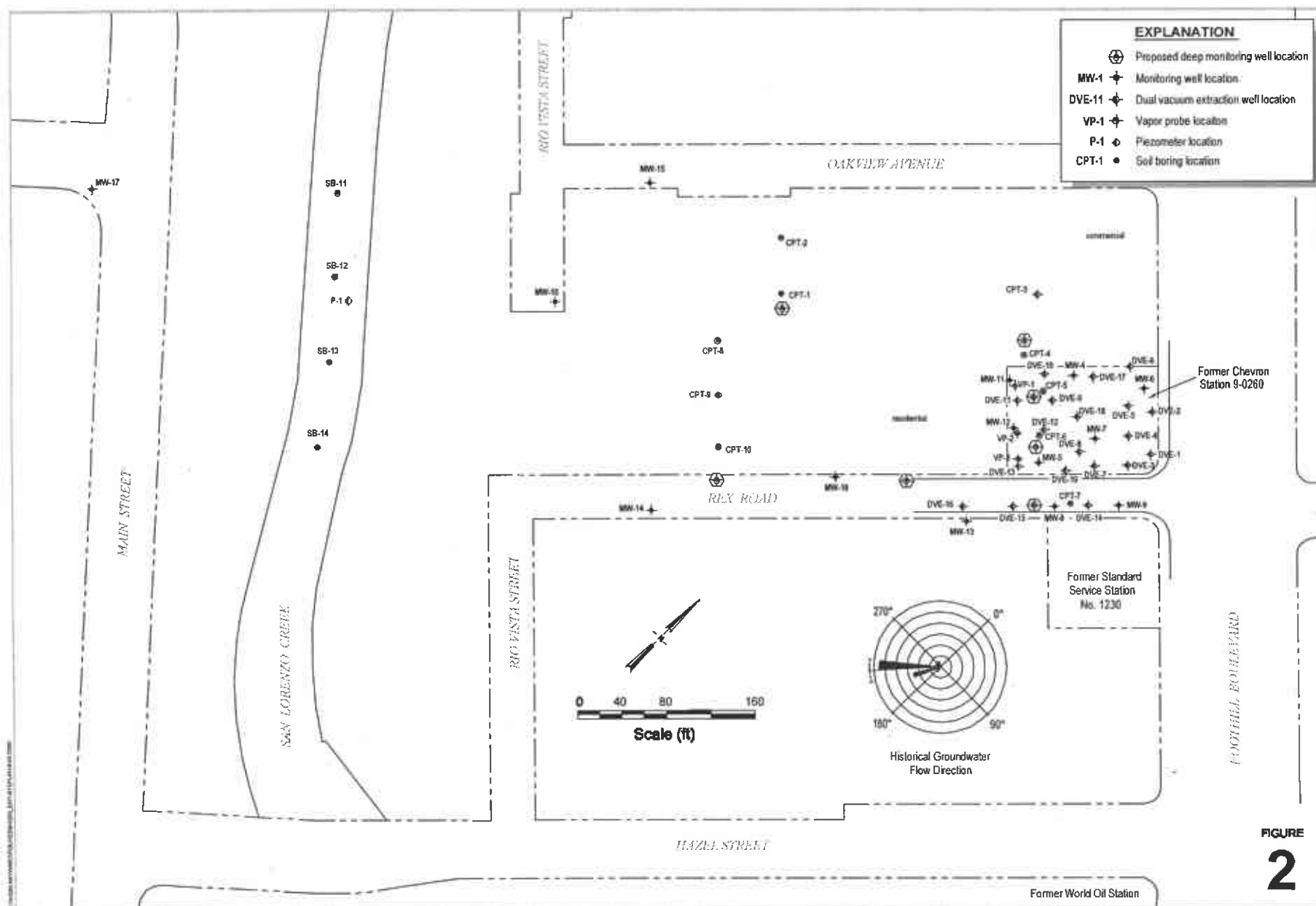


FIGURE
2

Expanded Site Plan
with Private Wells



Former Chevron Station 9-0260
21895 Foothill Boulevard
Hayward, California

Well Details, 9-0260 Hayward

| Well ID | Total Depth of boring (fbg) | Casing (inches) | Screen Interval (feet) |
|----------------|--|----------------------------|-----------------------------------|
| DVE-1 | 16.5 | 4 | 10 to 15 |
| DVE-2 | 16.0 | 4 | 9 to 14 |
| DVE-3 | 16.0 | 4 | 8 to 13 |
| DVE-4 | 15.0 | 4 | 7.5 to 12.5 |
| DVE-5 | 16.0 | 4 | 6 to 11 |
| DVE-6 | 16.0 | 4 | 7 to 12 |
| DVE-7 | 16.0 | 4 | 8 to 13 |
| DVE-8 | 15.0 | 4 | 8.5 to 13.5 |
| DVE-9 | 20.0 | 4 | 14 to 19 |
| DVE-10 | 16.0 | 4 | 8.5 to 13.5 |
| DVE-11 | 16.0 | 4 | 9.5 to 14.5 |
| DVE-12 | 16.0 | 4 | 8 to 13 |
| DVE-13 | 16.0 | 4 | 9 to 14 |
| DVE-14 | 16.0 | 4 | 6 to 11 |
| DVE-15 | 15.5 | 4 | 8 to 12 |
| DVE-16 | 15.5 | 4 | 8 to 12 |
| DVE-17 | 20.0 | 4 | 10 to 20 |
| DVE-18 | 20.0 | 4 | 10 to 20 |
| DVE-19 | 20.0 | 4 | 14 to 19 |

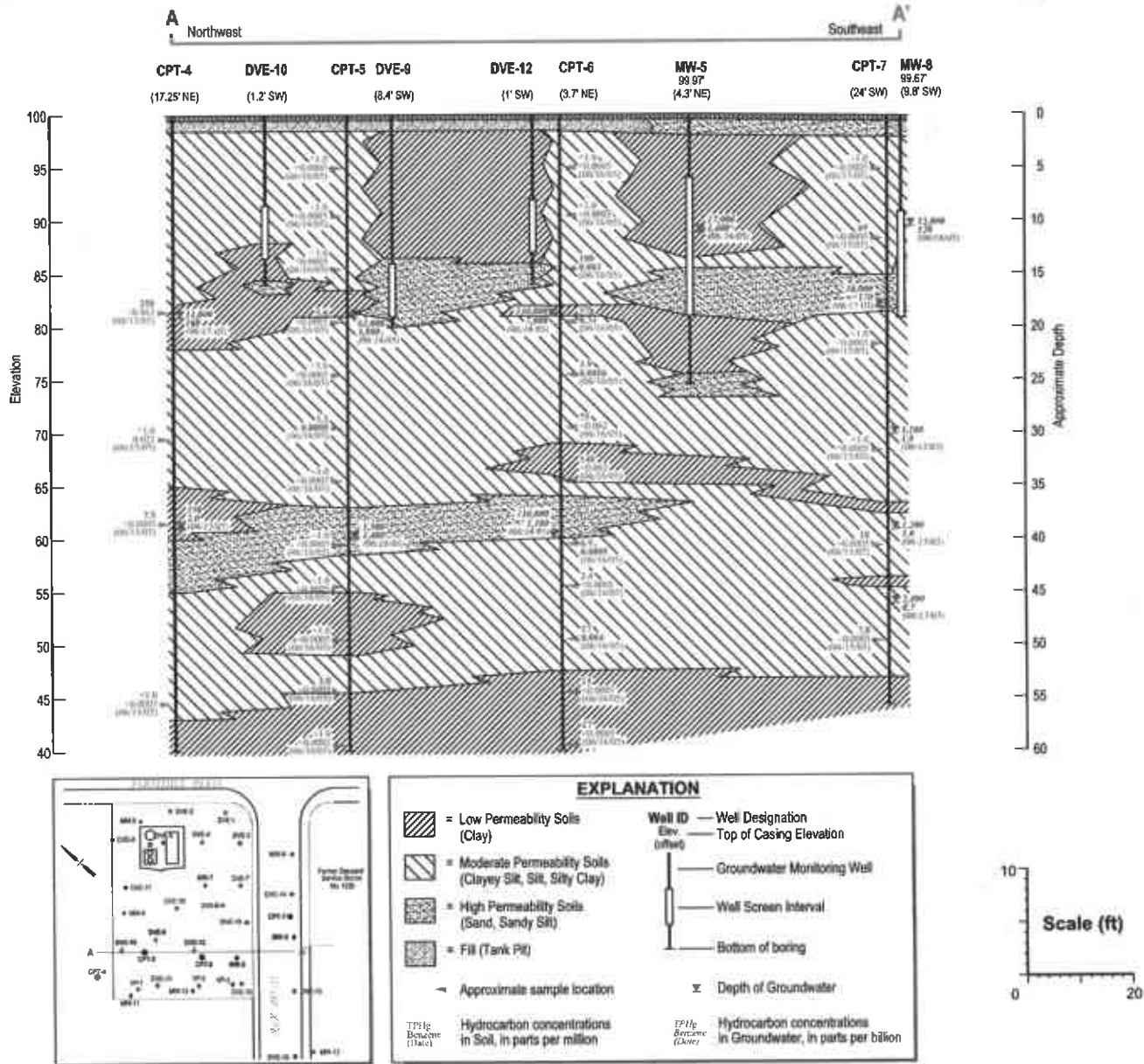


FIGURE
5

Geologic Cross Section A-A'

C A M B R I A

Chevron Service Station 9-0260

21995 Foothill Boulevard
Hayward, California

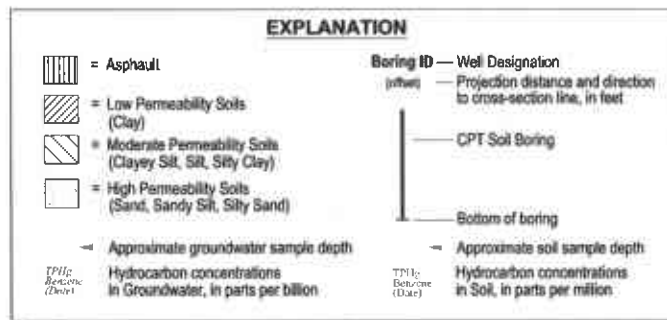
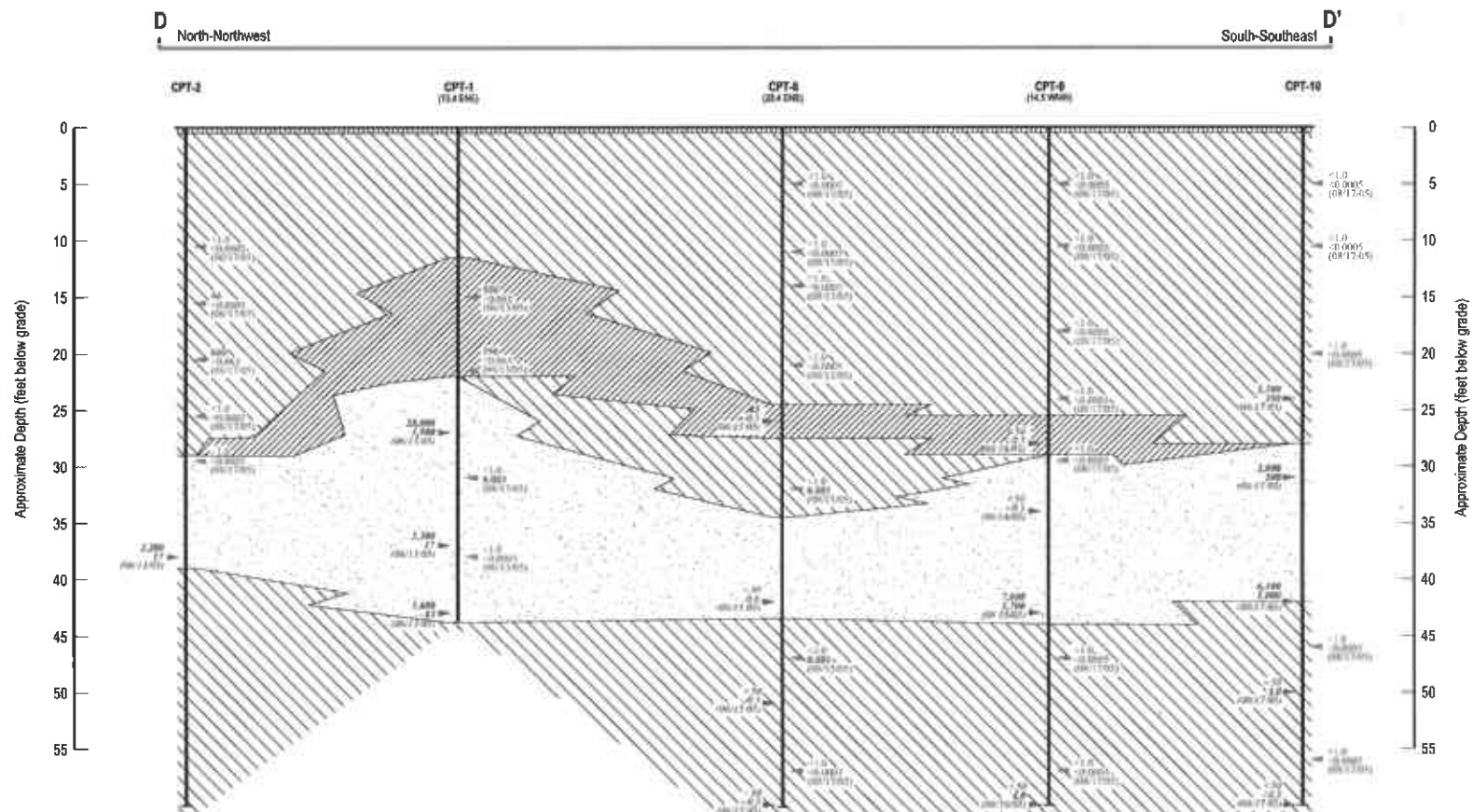


FIGURE 8

Geologic Cross Section D-D'

Chevron Service Station 9-0260

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Hayward, California

C A M B R I A