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Xtra Oil Company

RECEIVED

2:35 pm, Sep 26, 2008

Alameda County
Environmental Health

September 24, 2008

Mr. Steven Plunkett
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

SUBJECT: RECOMMENDATION FOR ADDITIONAL DRILLING CERTIFICATION
County Case # RO 285
Xtra Oil Company
3495 Castro Valley Blvd.
Castro Valley, CA

Dear Mr. Plunkett:

P&D Environmental, Inc. has prepared the following document:

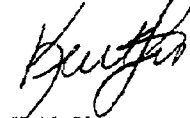
- Recommendation for Additional Drilling dated September 17, 2008 (document 0014.L154).

I declare under penalty of perjury that the contents and conclusions in the document are true and correct to the best of my knowledge.

Should you have any questions, please do not hesitate to contact me at (510) 865-9506.

Sincerely,

Xtra Oil Company



Keith Simas

0014 L155

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Retail Fueling/Convenience Stores

P&D ENVIRONMENTAL, INC.

55 Santa Clara Ave, Suite 240
Oakland, CA 94610
(510) 658-6916

September 17, 2008
Letter 0014.L154

Mr. Steven Plunkett
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

SUBJECT: RECOMMENDATION FOR ADDITIONAL DRILLING
County Case # RO 285
Xtra Oil Company
3495 Castro Valley Blvd.
Castro Valley, CA

Dear Mr. Plunkett:

Based on review of historic groundwater grab sample results identified in Figures 7, 8 and 9 of P&D's Groundwater Monitoring Well Installation Report (MW5 Through MW12) dated January 30, 2008 (document 0014.R68), in conjunction with the most recent groundwater monitoring and sampling results, P&D recommends that additional groundwater grab samples be collected to further define the locations where petroleum hydrocarbons appear to be moving in groundwater in higher permeability zones. P&D recommends that boreholes be drilled at locations between the 1,000 ug/L benzene isoconcentration contours shown on Figure 9 of the January 30, 2008 report and adjacent to one another at 20 foot intervals at a total of four different locations as follows.

- Transect A: A total of 11 boreholes on the south side of the two buildings located immediately south of the subject site (to the east and west of historic groundwater grab sample location P4). The proposed area of investigation is to only evaluate the western lobe of the plume.
- Transect B: A total of 10 boreholes on the north side of the building located in the southern central portion of the property located directly to the south of the subject site (immediately to the south of historic groundwater grab sample locations P5 and P35).
- Transect C: A total of 12 boreholes on the southernmost portion of the property located directly to the south of the subject site (between historic groundwater grab sample locations P6 and P41).
- Transect D: A total of 6 boreholes at the west end of Redwood Court in the northern half of the court (between historic groundwater grab sample locations P10 and P13).

Because the higher permeability zones that result in the preferential movement of petroleum hydrocarbons can be very narrow, following review of the sample results additional drilling will be performed at locations along the proposed cross sections between the proposed boreholes to further define the presence or extent of petroleum in groundwater, as necessary. Based upon the sample results, a limited number of additional boreholes are also proposed at selected locations to evaluate the vertical extent of petroleum in groundwater at locations where the highest concentrations of petroleum are encountered. Once the higher permeability zones have been better defined, P&D recommends that a feasibility study be performed for reduction of subsurface petroleum hydrocarbons, as necessary.

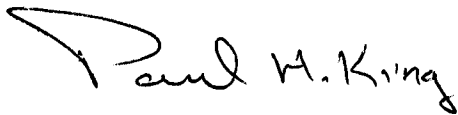
September 17, 2005
Letter 0014.L154

The proposed locations of Transects A through B and the approximate locations of the associated boreholes for the transects are shown in Figure 1. A Site Vicinity Map showing the locations of underground utilities in the vicinity of the proposed transects is attached as Figure 2.

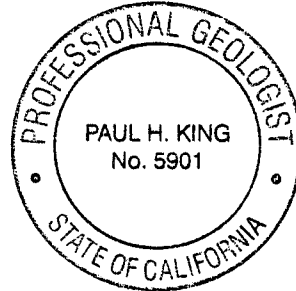
Should you have any questions, please do not hesitate to contact me at (510) 658-6916.

Sincerely,

P&D Environmental, Inc.



Paul H. King
Professional Geologist #5901
Expires 12/31/09

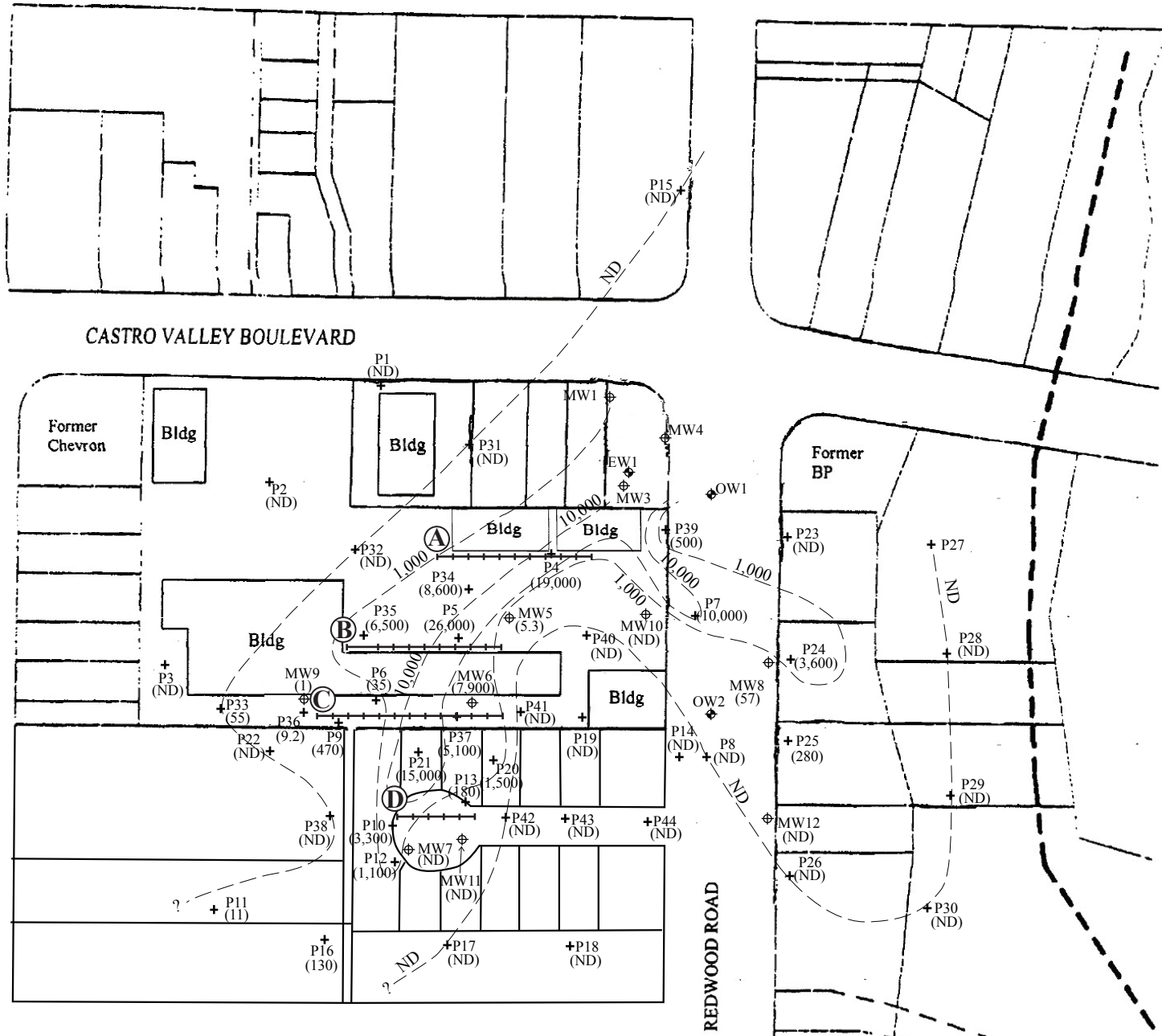


Attachments: Figure 1 – Site Vicinity Map Showing Benzene Isoconcentration Contours
Figure 2 – CUS Underground Utilities Map

Cc: Keith Simas

0014.L154

FIGURES



LEGEND

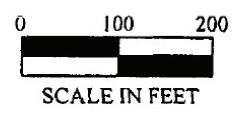
- ⊕ MW12 Monitoring Well Location
- ⊕ EW1 Extraction Well Location
- ⊕ OW2 Observation Well Location
- + P44 Previous Investigation Groundwater Grab Sample Collection Location
- - - Approximate Creek Location
- (26,000) Benzene Concentration in Groundwater (ug/L)
- - - Benzene Groundwater Isoconcentration Contour (ug/L)
- D Borehole Transect

Figure 1
 Site Vicinity Map Showing Benzene Isoconcentration Contours
 Xtra Oil Company
 3495 Castro Valley Boulevard
 Castro Valley, California



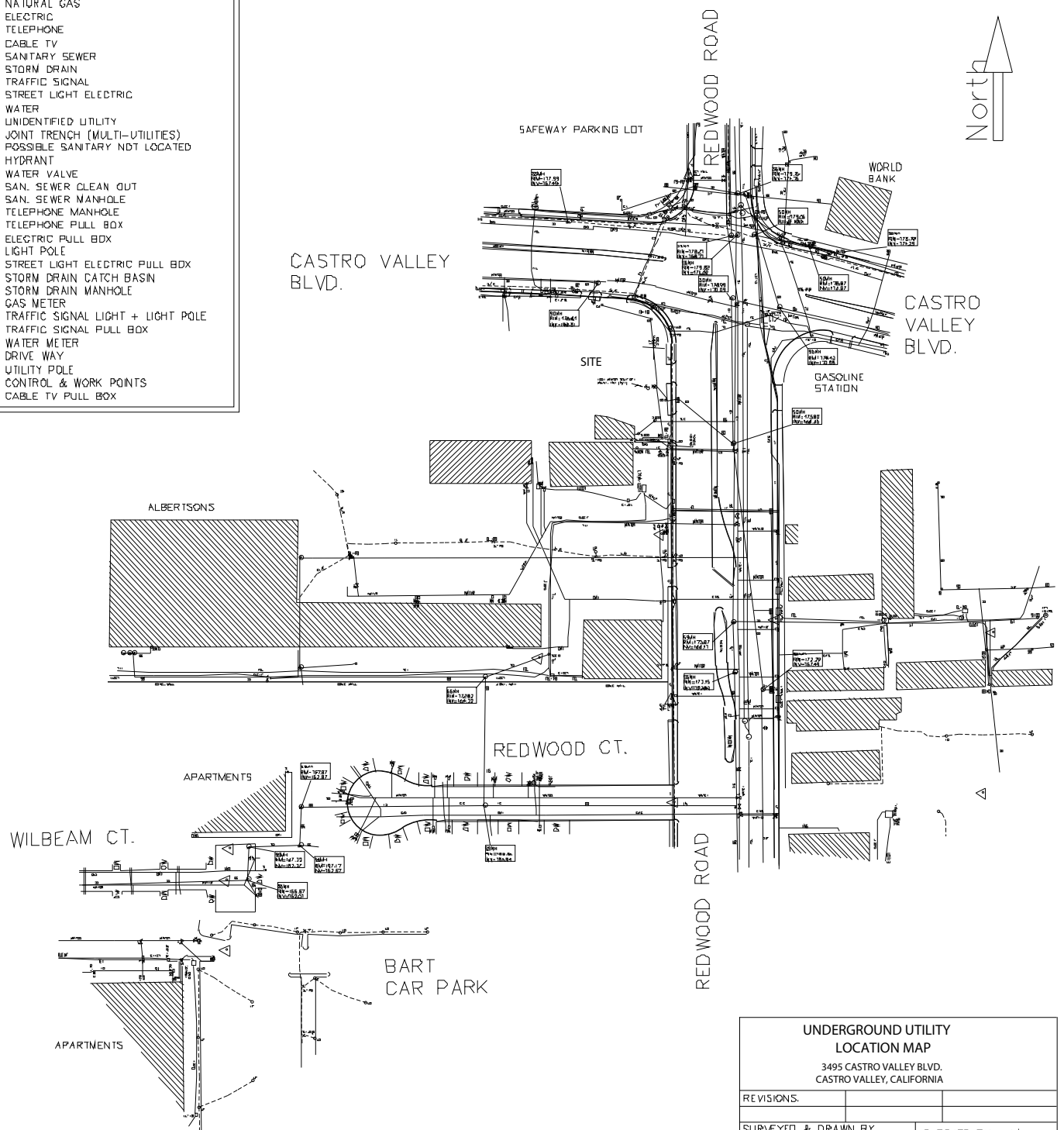
Base Map From:
 Castro Valley Sanitation
 District

P&D Environmental, Inc.
 55 Santa Clara Avenue, Suite 240
 Oakland, CA 94610



LEGEND

--- GAS ---	NATURAL GAS
--- ELECT ---	ELECTRIC
--- TEL ---	TELEPHONE
--- TV ---	CABLE TV
--- SS ---	SANITARY SEWER
--- SD ---	STORM DRAIN
--- TS ---	TRAFFIC SIGNAL
--- SL/E ---	STREET LIGHT ELECTRIC
--- WATER ---	WATER
--- UT ---	UNIDENTIFIED UTILITY
--- JT ---	JOINT TRENCH (MULTI-UTILITIES)
--- SS ---	POSSIBLE SANITARY NOT LOCATED
--- H ---	HYDRANT
--- V ---	WATER VALVE
--- C ---	SAN. SEWER CLEAN OUT
--- M ---	SAN. SEWER MANHOLE
--- T ---	TELEPHONE MANHOLE
--- TEL-PB ---	TELEPHONE PULL BOX
--- EL-PB ---	ELECTRIC PULL BOX
--- OLP ---	LIGHT POLE
--- TEL-PB ---	STREET LIGHT ELECTRIC PULL BOX
--- DCB ---	STORM DRAIN CATCH BASIN
--- M ---	STORM DRAIN MANHOLE
--- M ---	GAS METER
--- TL+LP ---	TRAFFIC SIGNAL LIGHT + LIGHT POLE
--- TEL-PB ---	TRAFFIC SIGNAL PULL BOX
--- M ---	WATER METER
--- DW ---	DRIVE WAY
--- UP ---	UTILITY POLE
--- A ---	CONTROL & WORK POINTS
--- TEL-PB ---	CABLE TV PULL BOX



UNDERGROUND UTILITY LOCATION MAP	
3495 CASTRO VALLEY BLVD. CASTRO VALLEY, CALIFORNIA	
REVISIONS:	
SURVEYED & DRAWN BY: CALIFORNIA UTILITY SURVEYS	CHECKED BY: JKW
DATE: 10/20/03	DRAWING No. 001

Figure 2
CUS Underground Utilities Map
 Xtra Oil Company
 3495 Castro Valley Boulevard
 Castro Valley, California

P&D Environmental, Inc.
 55 Santa Clara Ave., Suite 240
 Oakland, CA 94610

