

RECEIVED

2:17 pm, Dec 03, 2007

Alameda County
Environmental Health

www.blymyer.com

November 30, 2007
BEI Job No. 207055

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

**Subject: Addendum to Workplan
1630 Park Street
Alameda, California
Fuel Leak Case No. RO0000008**

Dear Mr. Plunkett:

Blymyer Engineers, Inc. is forwarding this Addendum to the *Workplan for Additional Subsurface Investigation*, dated September 27, 2007, as requested in the Alameda County Environmental Health (ACEH) letter dated November 1, 2007. The ACEH letter provided six technical comments of the referenced workplan and requested additional work be undertaken to support the proposed investigation. The following responses are ordered to correspond to the comments contained in the November 1, 2007 ACEH letter:

Comment 1: Conduct a preferential pathway study, including a utility survey and a well survey.

Comment 2a: Survey all existing wells to GeoTracker standards before any additional work is undertaken.

Comment 2b: Redevelop all five existing wells, rather than four wells (well MW-4 was originally excluded due to the difficulty in accessing the location and conducting the repairs required to access the well).

Comment 2c: Redevelop all wells until water quality parameters stabilize and turbidity is below a predetermined value.

Comment 2d: Implement quarterly groundwater monitoring of all five wells after well repair (MW-4) and redevelopment.

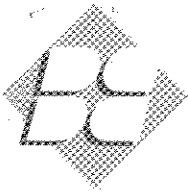
Comment 3a: Install multiple additional borings onsite, including a deep soil bore to 25 feet, to help delineate the extent of contamination at the point of release, and downgradient of the release onsite.

Comment 3b: Install multiple additional borings as transects on both sides of Park Street at 20- to 30-foot intervals (Blymyer Engineers has proposed at 30-foot intervals).

Comment 4: A minimum of two additional wells will be required. As previously planned, all wells must be positioned after collection of additional data from the Geoprobe investigations).

Comment 5: Include two cross-sections in the investigation report with detailed data.

Comment 6: Upload all required data to the state GeoTracker website.



Mr. Steven Plunkett
November 30, 2007
Page 2

Comment 1: Conduct a full preferential pathway study

Blymyer Engineers will evaluate the effect of the location of utility lines and trenches (as determined during preparation to install the Geoprobe bores) on the migration of contamination in the subsurface. Backfill associated with these structures can act as a preferential migration pathway due to backfilling with a loose granular material. Blymyer will additionally conduct a well survey as requested.

Additionally, Blymyer Engineers will retain a company specializing in Phase I studies to generate a paper search of regulatory files in order to determine the locations of other environmental sites in the vicinity in order to understand if these sites might be a contributing source or affecting the subject site in some manner. The data will be incorporated into the subsurface investigation report as appropriate.

Comment 2a: Survey all wells to GeoTracker survey standards

Blymyer Engineers will retain a professional surveyor registered with the state of California to survey existing wells to GeoTracker survey standards in order that the data can be uploaded to the GeoTracker database. An EDD will be requested of the surveyor to enable the upload. This will occur prior to groundwater sampling.

Comments 2b and 2c: Redevelop well MW-4 and all wells to stable parameters

Blymyer Engineers will arrange the redevelopment of all five existing wells (including well MW-4 in the center of Park Street). The wells will be redeveloped until the groundwater appears to be clear of sediment, and the water quality parameters have stabilized. Generally this has occurred prior to removal of approximately 10 well volumes of groundwater. All development and purge water will be placed in DOT-approved, 55-gallon, closed-top drums, which will be labeled and left on-site for future off-site disposal.

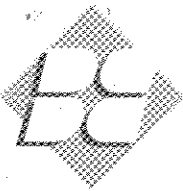
It is understood that well MW-4 is currently inaccessible due to surface damage to the well box. This will be repaired prior to well redevelopment and resurveying.

Comment 2d: Implement quarterly groundwater monitoring

The initial quarterly groundwater monitoring event will be performed after all wells have been repaired, redeveloped, and surveyed.

Comments 3a and 3b: Install additional soil bores and collect grab groundwater samples

Based on the request for additional data at specific locations contained in the ACEH letter, Blymyer Engineers proposes to install an additional 14 to 16 Geoprobe soil bores at the approximate locations



depicted on Figure 2. These locations will help determine and refine the vertical and lateral extent of residual soil and groundwater contamination as it currently is distributed at the site and site vicinity. Towards that end, Blymyer Engineers proposes to:

- Install one 25-foot deep soil bore at the location of the former UST,
- Install seven additional onsite bores (for a total of 10), and
- Install six to seven additional offsite bores (for a total of approximately 11 to 12) in two parallel transects on both sides of Park Street.

This will entail retaining a Geoprobe drill rig for a total of three to four days. This will allow for the intelligent placement of a minimum of two wells upon review of the data generated, as clarified by the ACEH in the November 1, 2007 letter.

Blymyer Engineers proposes the temporarily removal of the soil bore on the adjacent property (The Market Place) in order to minimize potential conflicts and to allow use of the additional data to be generated such that any future intrusions on to the property can be minimized and any future bores can be intelligently placed on that parcel. Those potential bores can be installed at the time the required wells are installed.

Comment 4: Install a minimum of two groundwater monitoring wells

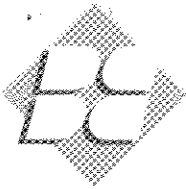
No additional work is required for this task.

Comment 5: Include two cross sections in final report

Blymyer Engineers will include a minimum of two cross sections in the subsurface investigation report per the ACEH request.

Comment 6: Upload data to GeoTracker website

GeoTracker was minimized in the original workplan based on the understanding that a GeoTracker survey would not be required immediately and that uploading was limited to PDF copies of the reports. However, all appropriate data will be uploaded to GeoTracker as appropriate per the ACEH request.

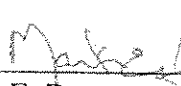


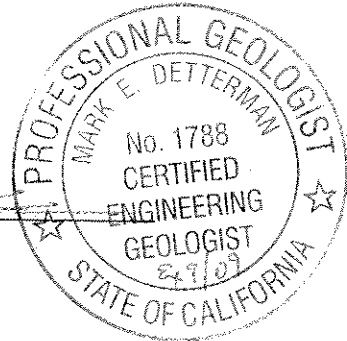
Mr. Steven Plunkett
November 30, 2007
Page 4

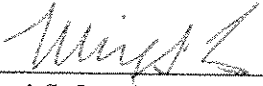
Should you have any questions about this workplan addendum, please call Mark Detterman at (510) 521-3773.

Sincerely,

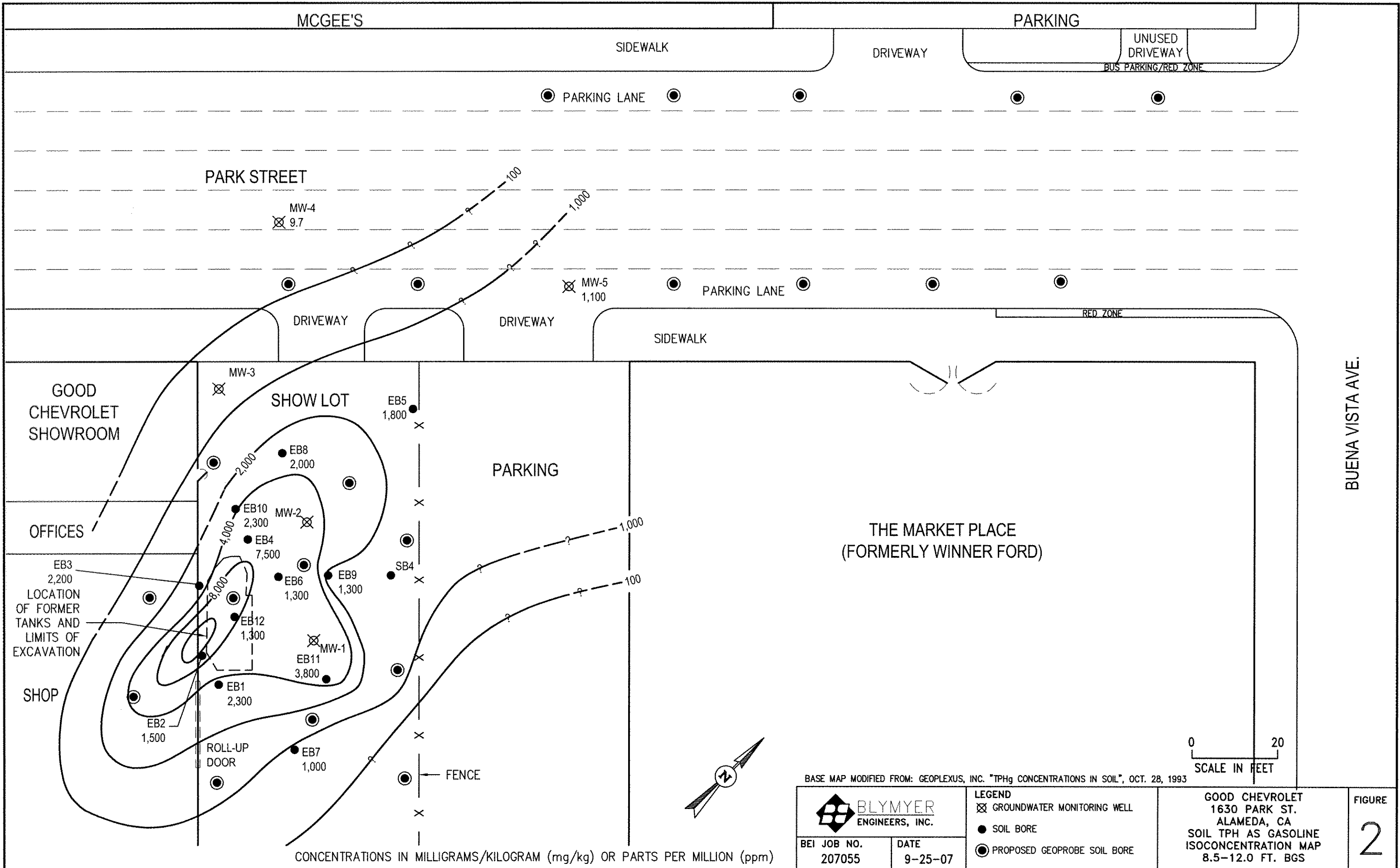
Blymyer Engineers, Inc.

By: 
Mark E. Detterman, C.E.G.
Senior Geologist



By: 
Michael S. Lewis
Vice President, Technical Services

Attachment: Figure 2: Soil TPH as Gasoline Isoconcentration Map; Revised



BASE MAP MODIFIED FROM: GEOPLEXUS, INC. "TPHg CONCENTRATIONS IN SOIL", OCT. 28, 1993

	LEGEND	GOOD CHEVROLET 1630 PARK ST. ALAMEDA, CA SOIL TPH AS GASOLINE ISOCONCENTRATION MAP 8.5-12.0 FT. BGS	FIGURE 2
	BEI JOB NO. 207055		