

MEMORANDUM

To: Brianna Bohonok, Associate Principal, CirclePoint

From: Karina Malouf, Environmental Planner
Juliana Richards, Environmental Planner
Kimley-Horn and Associates, Inc.

Date: July 7, 2021

Subject: Alameda County Rail Safety Enhancement Program – Hazardous Materials Technical
Memo: Berkeley CE

Kimley-Horn has prepared the following memo associated with the construction of rail safety improvements to nine existing at-grade rail crossings in the cities of Berkeley, in Alameda County, California. The improvements are designed to increase safety for all motorists and pedestrians. Crossings are in the western portion of Berkeley. The crossings are along Union Pacific Railroad (UPRR) tracks where UPRR tracks intersect with local streets. These crossing locations collectively make up the subject Site.

- Hearst Avenue in the City of Berkeley
- Virginia Street in the City of Berkeley

The purpose of this letter is to provide an initial assessment of the likelihood of the presence of hazardous substances or petroleum products on the Site under conditions indicative of an existing release, past release, or a material threat of a release that could affect the Site, based on a review of regulatory agency databases. This assessment is **not consistent** with the American Society for Testing and Materials (ASTM) Standard Method E 1527-13 and should be used for planning purposes only.

Kimley-Horn performed a regulatory database search of the Department of Toxic Substances Control (DTSC) Envirostor website (<http://www.envirostor.dtsc.ca.gov/public/>) and the State Water Resources Control Board's (SWRCB) Geotracker website (<http://geotracker.waterboards.ca.gov/>) on December 9, to identify hazardous material regulated facilities within or proximate to the Site. Results of the database search used in the preparation of this memo are included in Attachment A.

Kimley-Horn's review of the referenced databases also considered the potential or likelihood of contamination from adjoining and nearby sites. To evaluate which of the adjoining and nearby sites identified in the regulatory database search present an environmental risk to the subject property, Kimley-Horn considered the following criteria:

- The topographic position of the property relative to the subject property;
- The direction and distance of the identified facility from the subject property;
- Local soil conditions in the subject property area;
- The known and/or inferred groundwater flow direction and depth in the subject property area.
- The status of the respective regulatory agency-required investigations and/or cleanup associated with the identified facility; and

- Surface and subsurface obstructions and diversions (e.g., buildings, roads, sewer systems, utility service lines, rivers, lakes, and ditches) located between the identified site and the subject property.

Only those sites that are judged to present a potential environmental risk to the subject property and/or warrant additional clarification are further evaluated. Using the referenced criteria and based upon a review of readily available information contained within the regulatory database search, Kimley-Horn identified ten locations that required additional evaluation.

Berkeley Asphalt & Ready Mix, 699 Virginia Street, Berkeley (immediately adjacent to the northwest of the Virginia Street and railway intersection)

According to the Geotracker database (<http://geotracker.waterboards.ca.gov/> accessed December 9, 2020), the site is listed as a closed case as of March 3, 1999. The contaminant of concern is diesel. The potential media of concern is groundwater (uses other than drinking water). Given that this facility has received a no further action status, this facility **is not** considered an environmental concern for the subject Site.

Berkeley Redevelopment Agency Site, 1631 Fifth Street, Berkeley (766 feet to the northeast of the Virginia Street and railway intersection)

According to Envirostor website (<http://www.envirostor.dtsc.ca.gov/public/> accessed December 9, 2020), the site was used as a demolition and construction staging area by the City of Berkeley in the late 1980's. A Phase I Environmental Site Assessment was conducted in 1993 and Phase II investigations were conducted in 1994 and 1995. Soil samples were analyzed for TPHs, BTEX, VOCs, SVOCs and metals. Based on the analytical results, lead was the only chemical identified at levels of concern. Lead concentrations ranged from 5 to 970 mg/kg. Approximately 105 cubic yards of soil were excavated and disposed of at a Class I landfill. In June 2004, DTSC determined that all appropriate response actions for the site were completed and no further removal/remedial action is necessary. Given that DTSC issued a no further action, this site **is not** considered an environmental concern for the subject Site.

Kimley-Horn was retained to perform a hazardous materials assessment and performed only those tasks described in this letter. Construction documents for all crossings will be require the preparation of a Health and Safety Plan (HASP) for construction activities to ensure worker safety and compliance with existing State and federal laws regarding exposure to hazardous materials. Therefore, potential impacts from hazardous materials are considered to be less than significant.

The construction contract specifications shall provide that a licensed hazardous materials professional shall prepare a site-specific Health and Safety Plan (HASP) for construction activities The HASP will establish protocols for preventing uncontrolled worker exposure to contaminated media during construction. The HASP will implement the following state and federal regulations govern the protection of worker safety at potential hazardous material sites:

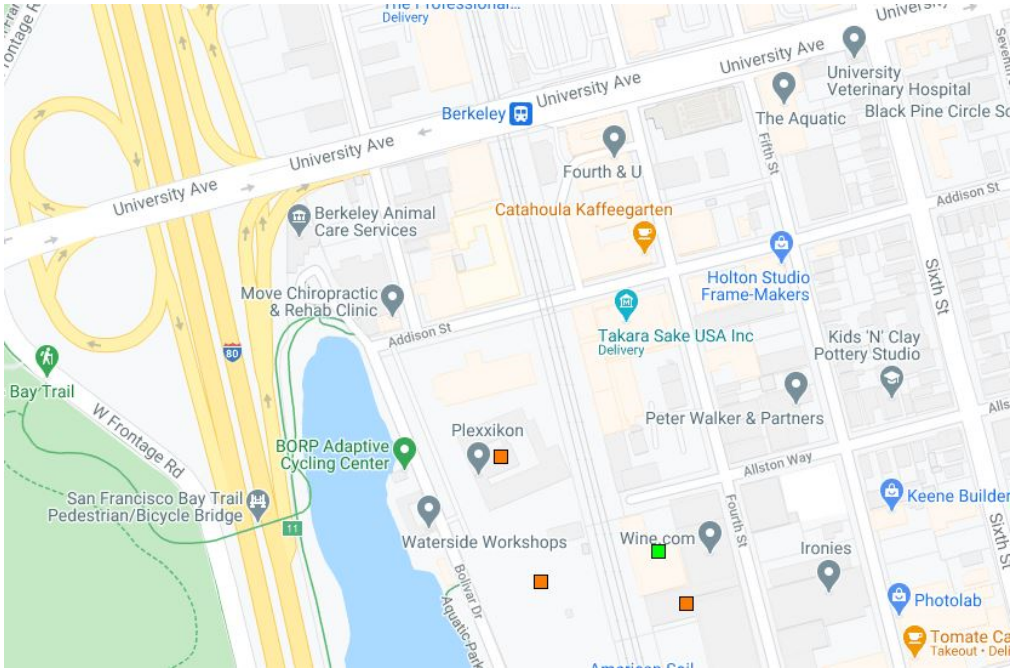
- Worker education and training (Hazard Communication Standard) 29 CFR 1910.1200, 1915.1200, 1917.28, 1918.90, and 1926.59, 1910.1018 (inorganic arsenic)
- Construction Safety Orders 8 CCR Division 1, Chapter 4
- Lead in Construction 8 CCR 1532.1
- General Industry Safety Orders 8 CCR 5214. Inorganic Arsenic.
- Environmental Health Standards for Management of Hazardous Waste 22 CCR Division 4.5

This report is based on our knowledge as of July 1, 2021. New issues may arise during development because of changes in governmental rules and policy, changed circumstances, or unforeseen conditions.

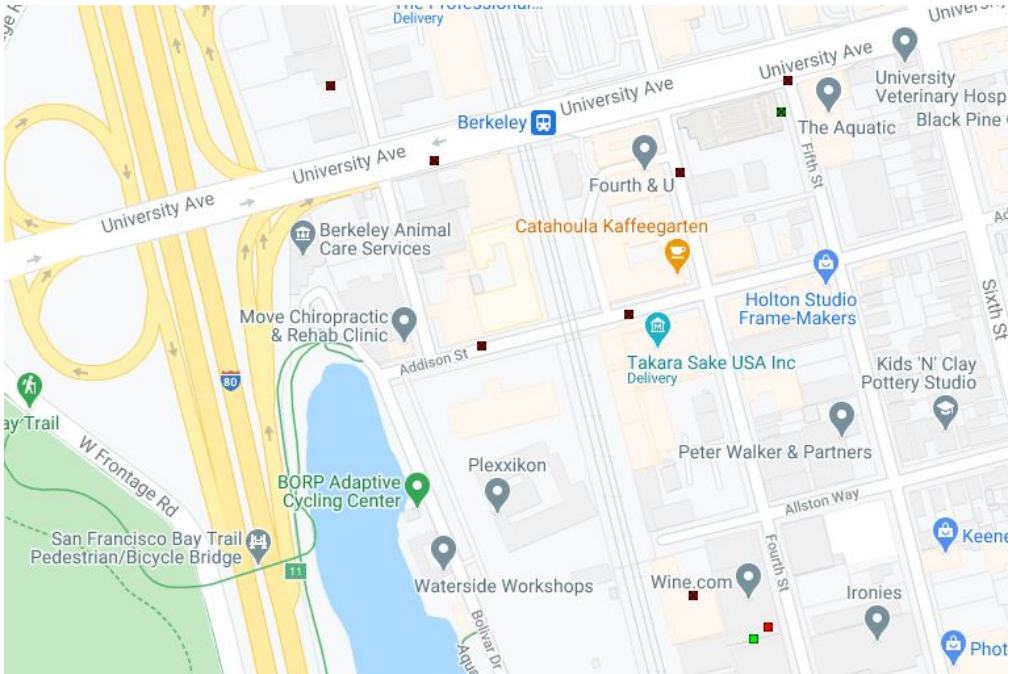
Kimley-Horn and Associates, Inc. appreciates the opportunity to provide you with these services. Should you have any questions or comments regarding this information please contact Juliana Richards at (619) 798-9634.

ATTACHMENT A – DATABASE SEARCH RESULTS

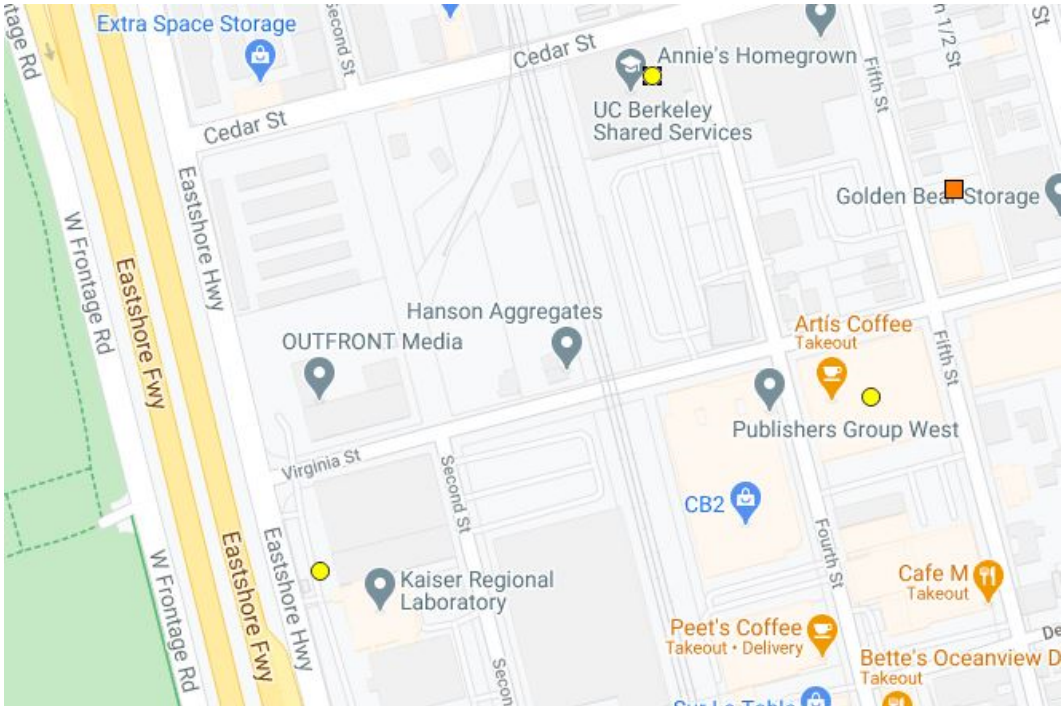
ENVIROSTOR



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