Appendix G Phase I Environmental Site Assessment

January 2024 | Due Diligence Report

New Fresno Courthouse
Due Diligence Review: Site 1

Judicial Council of California

Prepared for:

Judicial Council of California
Contact: Alexandra Cervantes, Senior Facilities Analyst
Environmental Health & Safety
2860 Gateway Oaks Drive, Suite 400
Sacramento, California 95833

Prepared by:

PlaceWorks
Contact: Steve Noack, Principal
2040 Bancroft, Suite 400
Berkeley, California 94704
(510) 848-3815
info@placeworks.com
www.placeworks.com

PLACEWORKS

1. Introduction

1.1 PROPOSED PROJECT

The Superior Court of California, County of Fresno – New Fresno Courthouse project (proposed project) would provide 36 courtrooms and support spaces of approximately 413,000 square feet. Development of the proposed project would allow the County court to consolidate operations that are currently located in three existing facilities: Fresno County Courthouse, north Annex Jail, and M Street Courthouse. The proposed project would also provide space for growth in future new judgeships. The proposed project will require acquisition of a site of approximately 2.09 acres.

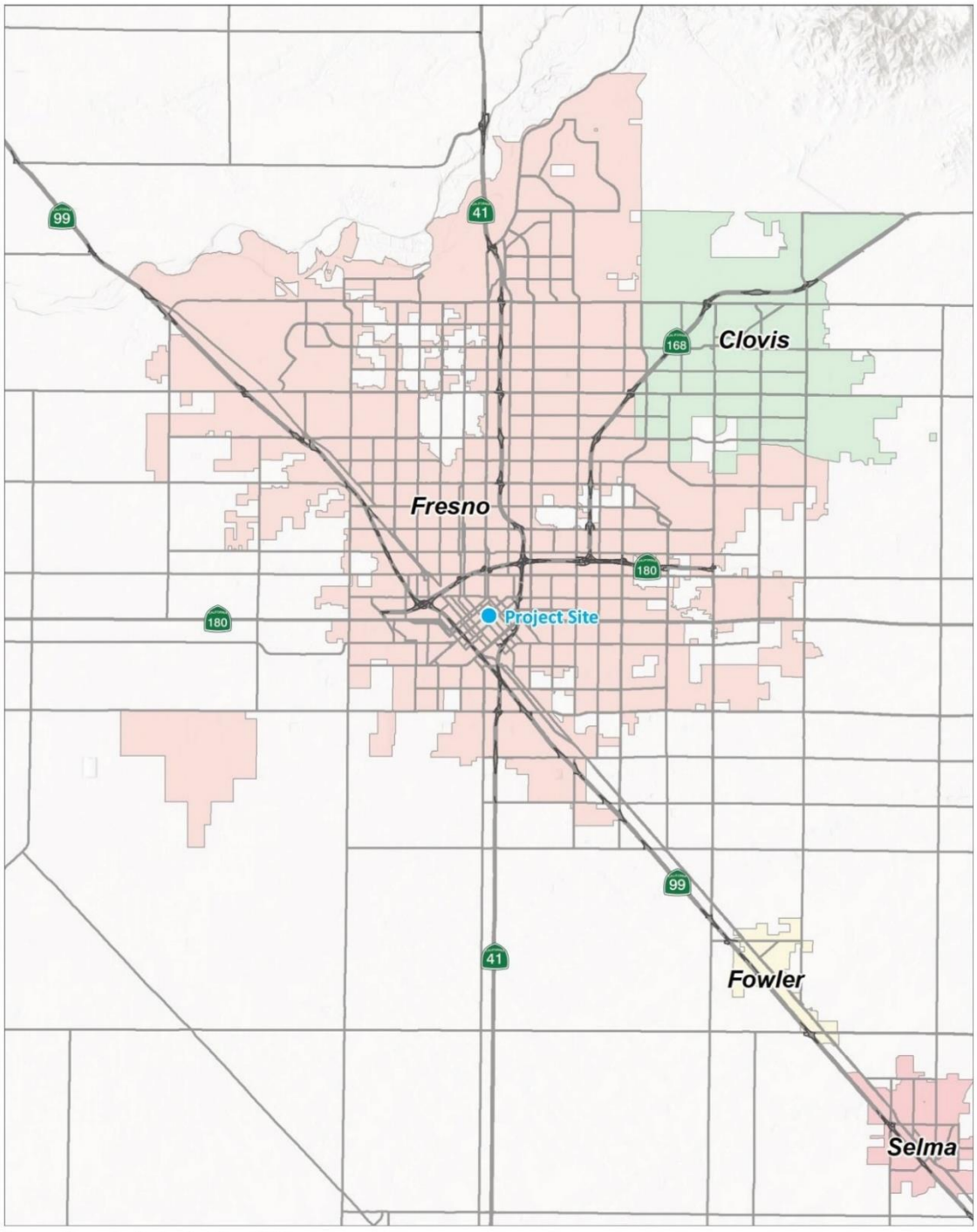
1.2 PROJECT LOCATION

The City of Fresno is in Fresno County and is bordered by unincorporated land of Madera County to the northeast, the City of Clovis to the east, and unincorporated land of Fresno County in all other directions. The project site consists of three distinct areas, encompassing approximately 11.9 acres, located along Fresno Street between Van Ness Avenue and O Street in downtown Fresno, California.

The United States Geological Survey (USGS) topographic map for the site is the Fresno South, California Quadrangle. The project site is in Fresno County at approximately 36.73734 north latitude and 119.78933 west longitude. The project site is in Sections 3 and 4 of Township 14 South, Range 20 East of the Mt. Diablo Base Line and Meridian. Figure 1.1, *Regional Vicinity*, and Figure 1.2, *Local Vicinity*, show the location of the project site.

Regional access to the project site is provided via State Route (SR-) 41, SR-99, and SR-180. The project site is served by local and regional transit including the Fresno Public Transportation the Fresno County Rural Transit Agency. The public use airport located nearest to the project site is Fresno Yosemite International Airport, located 5175 East Clinton Way, Fresno, California, approximately 4.4 miles northeast of the project site.

Figure 1.1 Regional Vicinity

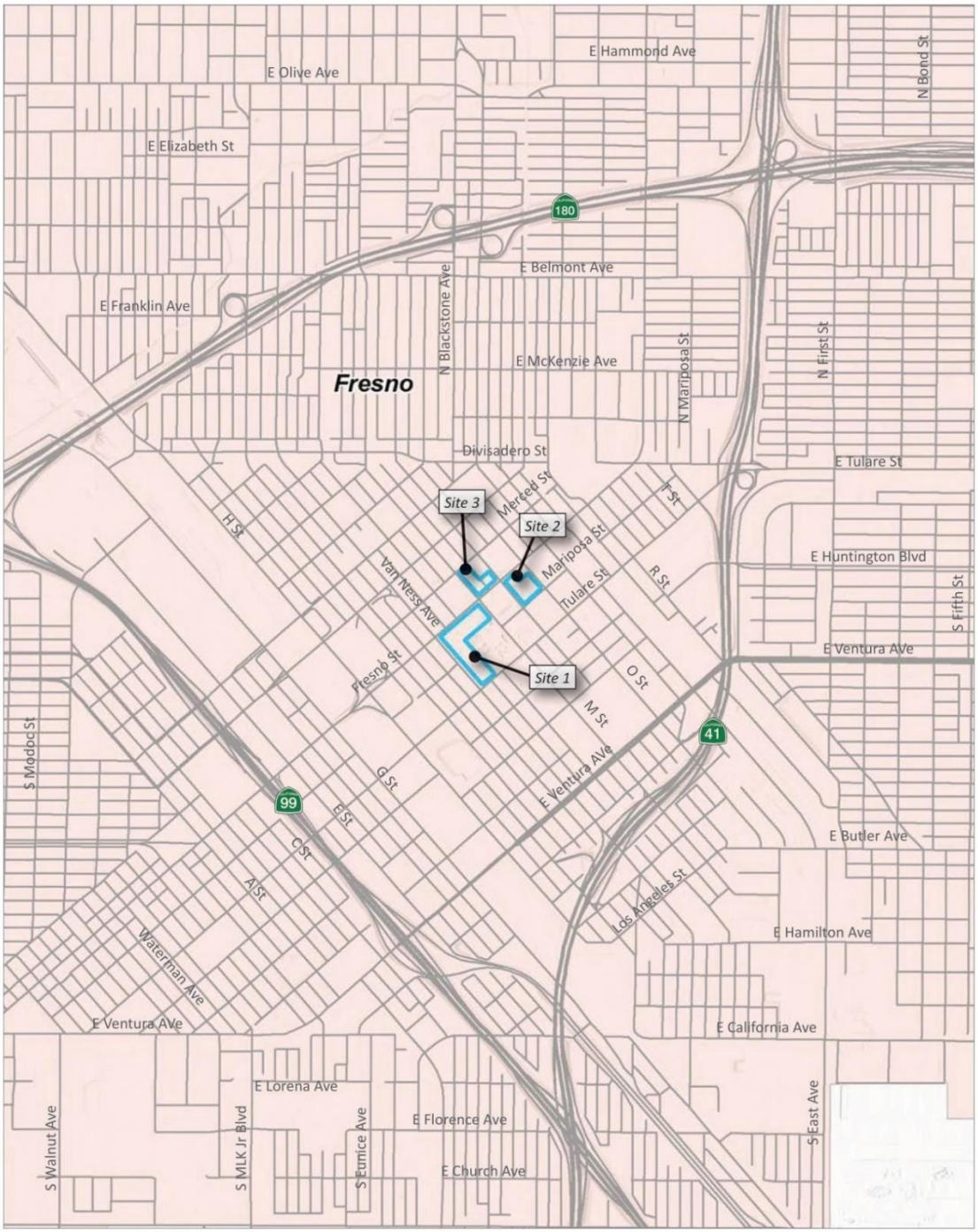


Source: Generated using ArcMap 2023.

0 3
Scale (Miles)

Note: Unincorporated county areas are shown in white.

Figure 1.2 Local Vicinity



1.3 SITE 1

For the purposes of this due diligence review, information contained in this report is focused on Site 1. Site 1 is an L-shaped 7.6-acre portion of the 13.94-acre Courthouse Park parcel located at 2200 Fresno Street and identified with Assessor Parcel Number (APN) 466-16-001T. The site is owned by Fresno County and includes underground parking, the South Annex Jail and a Fresno County Sheriff's Department office building. The site is bounded by Fresno Street to the northwest, M Street to the northeast, Tulare Street to the southeast, and Van Ness Avenue to the southwest. The site has a zoning designation of Downtown General and a General Plan land use designation of Downtown General. Land uses surrounding the site include public and institutional uses and commercial uses. The project site is in a developed area in the City of Fresno.

4. Phase I Environmental Site Assessment

4.1 INTRODUCTION

The Phase I Environmental Site Assessment (ESA) was performed in general conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) E 1527-21 Standard for the Judicial Council of California (Client) for the Fresno Street properties in Fresno, Fresno County, California. The Phase I ESA was performed in general conformance with the scope and limitations of the ASTM E 1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and with the EPA "All Appropriate Inquiries" standard. Exceptions to, or deletions from, this practice are described below.

The primary purpose for performing a Phase I ESA is to "…permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations (commonly known as landowner liability protections) on Comprehensive Emergency Response Compensation and Liability Act (CERCLA) liability." An environmental site assessment meeting or exceeding this practice and completed less than 180 days prior to the date of acquisition is presumed to be valid under this standard. In order to maintain landowner liability protections, the user also has a "continuing obligation to not interfere with activity and use limitations associated with the property," must take "reasonable steps to prevent releases" and must "comply with legal release reporting obligations."[6] Further, it is the goal of this study to identify business risks related to the property associated with environmental conditions.

Our conclusions are intended to help the user evaluate the "environmental risk" associated with the site, as defined in the ASTM E 1527-21 Standard and the U.S. Environmental Protection Agency (EPA) All Appropriate Inquiry standard.

OBJECTIVE

The objective of this assessment was to evaluate site history, existing observable conditions, current site use, and current and historic uses of surrounding properties to identify the potential presence of Recognized Environmental Conditions (RECs) in connection with the subject site. In addition, the Standard requires the identification of historical RECs (HRECs) and known or suspect environmental conditions in the Phase I ESA report. The Standard also requires the identification of controlled RECs (CRECs). Our conclusions are intended to help the user evaluate the "environmental risk" associated with the site.

[6] American Society for Testing and Materials, November 2021, Practice for ESAs: Phase I Assessments Process (ASTM Standard E 1527-21).

PHASE I ENVIRONMENTAL SITE ASSESSMENT

SCOPE OF SERVICES

PlaceWorks performed the following detailed scope of services to complete our Phase I ESA assessment:

1. Visual observations of site conditions, and of adjoining property use, to evaluate the nature and type of activities that have been or are being conducted at and adjacent to the site, in terms of the potential for release or threat of release of hazardous substances or petroleum products.
2. Review of federal and state environmental database information within the ASTM- specified radii from the subject site using a database service to access records. Use of 7.5-minute topographic maps to evaluate the site's physical setting.
3. Review of federal and state environmental files, as necessary, pertaining to the subject site and nearby sites with the potential to impact the subject site.
4. Review of previous reports (if any) prepared for the subject site.
5. Review of historical aerial photographs and topographic maps.
6. Contacts with state and local agencies, as necessary, regarding the site and surrounding properties and structures.
7. Interviews with the Key Site Manager and property tenant representatives (if any). Interpretation of information and data assembled as a result of the above work tasks, and formulation of conclusions regarding the potential presence and impact of RECs as defined by the ASTM E 1527-21 Standard.

NON-SCOPE CONSIDERATIONS

The ASTM E 1527-21 Standard includes the following list of "additional issues" that are non-scope considerations outside of the scope of the ASTM Phase I ESA practice: Asbestos-Containing Materials, Biological Agents, Radon, Lead-Based Paint, Lead in Drinking Water, Wetlands, Regulatory Compliance, Cultural and Historic Risks, Industrial Hygiene, Health and Safety, Ecological Resources, Endangered Species, Indoor Air Quality unrelated to releases of hazardous substances or petroleum products in the environment and mold.

A limited assessment of the presence of polychlorinated biphenyls (PCBs) is included in the ASTM work scope. Accordingly, the assessment of the presence of PCBs is limited to those potential sources specified in the ASTM E 1527-21 Standard as "electrical or hydraulic equipment known or likely to contain PCBs" to the extent visually and or physically observed or identified from the interview or records review.

EXCEPTIONS AND DEVIATIONS

PlaceWorks has completed this assessment in substantial conformance with ASTM E 1527-21. In our opinion, there were no exceptions, addition, deviations, or deletions made to the ASTM work scope.

LIMITATIONS

Our work for the proposed project was performed generally consistent with the ASTM E 1527-21 Standard for Phase I Environmental Site Assessments. Several organizations other than ASTM, such as professional associations (e.g. Associated Soil and Foundation Engineers and Association of Ground Water Scientists and Engineers) have also developed "guidelines" or "standards" for environmental site assessments. The Phase I ESA presented herein is consistent with the ASTM E 1527-21 Standard, which may vary from the specific "guidelines" or "standards" required by other organizations.

This report was prepared pursuant to an Agreement between the Client and PlaceWorks. All uses of this report are subject to, and deemed acceptance of, the conditions and restrictions contained in the Agreement. The observations and conclusions described in this report are based solely on the Scope of Services provided pursuant to the Agreement. PlaceWorks has not performed any additional observations, investigations, studies, or other testing not specified in the Agreement. PlaceWorks shall not be liable for the existence of any condition the discovery of which would have required the performance of services not authorized under the Agreement.

This report is prepared for the exclusive use of the Client in connection with Site 1. There are no intended beneficiaries other than the Client. PlaceWorks shall owe no duty whatsoever to any other person or entity on account of the Agreement or the report. Use of this report by any person or entity other than the Client for any purpose whatsoever is expressly forbidden unless such other person or entity obtains written authorization from the Client and from PlaceWorks. Use of this report by such other person or entity without the written authorization of the Client and PlaceWorks shall be at such other person's or entity's sole risk and shall be without legal exposure or liability to PlaceWorks.

Use of this report by any person or entity, including by the Client, for a purpose other than the site, is expressly prohibited unless such person or entity obtains written authorization from PlaceWorks indicating that the report is adequate for such other use. Use of this report by any person or entity for such other purpose without written authorization by PlaceWorks shall be at such person's or entity's sole risk and shall be without legal exposure or liability to PlaceWorks.

This report reflects site conditions observed and described by records available to PlaceWorks as of the date of report preparation. The passage of time may result in significant changes in site conditions, technology, or economic conditions, which could alter the findings and/or recommendations of the report. Accordingly, the Client and any other party to whom the report is provided recognize and agree that PlaceWorks shall bear no liability for deviations from observed conditions or available records after the time of report preparation. No investigation is thorough enough to absolutely rule out the presence of hazardous materials at a given site. If hazardous conditions have not been identified during the assessment, such a finding should not be construed as a guarantee of the absence of such materials on the site, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

The findings, conclusions, and recommendations contained in this report are based on site conditions as they existed at the time of our investigation. Our review of documents, lists, databases, and public agency files have been conducted with due diligence. However, our conclusions are based on available information and are subject to constraints imposed by public agencies on review procedures and information retrieval. As a result, PlaceWorks may have been unable to identify potential concerns. PlaceWorks assumes no responsibility for conditions that did not come to our attention despite reasonable care, or for conditions that were not generally recognizable as environmentally unacceptable at the time of this report. Opinions and judgments expressed are based on our understanding and interpretations of currently available regulatory standards and should not be construed as legal opinions or advice.

Use of this report by any person or entity in violation of the restrictions expressed in this report shall be deemed and accepted by the user as conclusive evidence that such use and the reliance placed on this Report, or any portions thereof, is unreasonable, and that the user accepts full and exclusive responsibility and liability for any losses, damages or other liability which may result.

4.2 PHYSICAL SETTING

Subsurface explorations were not performed for this evaluation; therefore, site geology and hydrology were evaluated on the basis of readily available public information or references, and/or based upon our experience and understanding of subsurface conditions in the subject property area.

TOPOGRAPHY

Topographically, Site 1 slopes slightly to the west and to the southwest. Based on a review of the USGS 7.5-minute Topographic Series, Fresno South, California Quadrangle Map, surface elevation the site ranges between approximately 290 and 295 feet above mean sea level.[7]

GEOLOGIC INFORMATION

Site 1 is located in the San Joaquin Valley within the Great Valley Geomorphic Province. The Great Valley Province is a long, narrow northwest-trending alluvial valley that lies between the Sierra Nevada Range to the east and the Coast Ranges to the west.[8] The San Joaquin Valley is located in the southern portion of the Great Valley and is bounded by the Stockton Arch to the north and the San Emigdio and Tehachapi Mountains to the south. This region formed as a forearc basin during the subduction of the Pacific plate underneath the North American plate.

[7] United States Geological Survey, 2022, 7.5' Topographic Series, Fresno South, California Quadrangle Map, scale 1:24,000.
[8] California Geological Survey, 2002, California Geomorphic Provinces, California Geological Survey Note 36. https://www.conservation.ca.gov/cgs/Documents/Publications/CGS-Notes/CGS-Note-36.pdf.

Site 1 is underlain by Holocene alluvial fan deposits.[9] The dominant soil components listed in the U.S. Department of Agriculture Natural Resources Conservation Services (USDA) Web Soil Survey for the site is Delhi loamy sand.

NATURALLY OCCURRING ASBESTOS CONTAINING MINERALS AND RADON GAS

Based on a review of A General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos[10] and Van Gosen and Clinkenbeard,[11] Site 1 is not located within a ten-mile radius from an area thought to contain naturally occurring asbestos.

The Indoor Radon Abatement Act of 1988 directs the U.S. EPA to identify and lists areas of the United States with the potential for elevated indoor radon levels. The U.S. EPA's Map of Radon Zones assigns one of three zones based on radon potential:

- Zone 1 counties have a predicted average indoor radon screening level greater than 4 pico curies per liter (pCi/L)
- Zone 2 counties with a predicted average indoor radon screening level between 2 and 4 pCi/L
- Zone 3 counties with a predicted average indoor radon screening level less than 2 pCi/L

Based on the EPA map, Site 1 is within Zone 2, below the level of concern.[12] The California Department of Health Services recommends action to be taken to reduce radon levels inside buildings if they are 4 pCi/L or greater.

GROUNDWATER AND SURFACE WATER INFORMATION

Based on the California Department of Water Resources, Site 1 is situated in the Kings subbasin of the San Joaquin Valley Groundwater Basin.[13] While local groundwater flow is influenced by production well pumping, regional flow in the basin is predominately toward the southwest. Based on a groundwater contour map, groundwater is expected to be located about 180 feet below ground surface at the site.[14] The closest surface water body is Dry Creek Canal about one mile northwest of the site.[15] Hydrogeologic

[9] Matthews, R. A., and J. L. Burnett, 1965, Geologic Map of California: Fresno Sheet, California Division of Mines and Geology Geologic Atlas GAM-05, scale 1:250,000.
[10] California Division of Mines and Geology, August 2000, "A General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos."
[11] Van Gosen, B. S., and J. P. Clinkenbeard, 2011, Reported Historic Asbestos Mines, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California, USGS Open-File Report 2011-1188, scale 1:990,000.
[12] United States Environmental Protection Agency, 2023, California – EPA Map of Radon Zones. https://www.epa.gov/sites/production/files/2014-08/documents/california.pdf.
[13] California Department of Water Resources, 2004, Bulletin 118-California's Groundwater. https://www.water.ca.gov/Programs/Groundwater-Management/Bulletin-118.
[14] Fresno Irrigation District, 2022, Groundwater Level Information website, https://www.fresnoirrigation.com/groundwater-level-info.
[15] United States Geological Survey, 2022, 7.5' Topographic Series, Fresno South, California Quadrangle Map, scale 1:24,000.

investigations were not performed on the site for this investigation; therefore, it is unknown to what extent localized variations in groundwater presence and flow occur on the site.

4.3 SITE HISTORY

4.3.1 Previous Reports

No previous reports for the subject property were reviewed by PlaceWorks for the preparation of the Phase I ESA report.

4.3.2 Past Usage

Past usage of Site 1 was assessed through review of historical aerial photographs, topographic maps, Sanborn fire insurance maps and databases. Copies of historical information reviewed are included in Appendix C, *Phase I Environmental Site Assessment*, of this Due Diligence Report. Based on a review of historical information, the site has been developed with Courthouse Square/Courthouse Park since at least 1888. A jail has been located on the northeast portion of the site since at least 1888, with the current jail building being constructed in 1942, and the annex to that building dating from 1960. The Fresno County Sheriff's Department administration building was constructed southwest of the South Annex Jail in 1969.

Copies of the aerial photographs, topographic maps, Sanborn fire insurance maps and city directories are included in Appendix C, *Phase I Environmental Site Assessment*, of this Due Diligence Report.

4.3.2.1 AERIAL PHOTOGRAPHS

The copies of the aerial records indicate the following for Site 1:

- 1937 – Site 1 appears to be used as the plaza for the courthouse, which is located adjacent, to the east of the site. Site 1 is primarily covered in trees and no discernable structures can be made out. The surrounding area is largely built-up with many large and small buildings.
- 1942 – The project site and surrounding area appear relatively unchanged in comparison to the 1937 aerial photograph.
- 1946 – The project site and surrounding area appears to be relatively unchanged in comparison to the 1942 aerial photograph. The larger County Jail can now be seen and uncovered by trees.
- 1950 – The project site and surrounding area appear to be unchanged in comparison to the 1946 aerial photograph.
- 1957 – The site and surrounding area appear unchanged in comparison to the 1950 Aerial photograph.
- 1962 – The site and surrounding area appear unchanged in comparison to the 1957 Aerial photograph.

- 1967 – A large portion of the site has been cleared away of most trees and it appears construction for the underground garage and Law Enforcement Office are under way.
- 1973 – The site now has a new law enforcement building constructed next to the county jail, and the rest of the site appears to have been landscaped once again.
- 1979 – The project site and surrounding area appear relatively unchanged in comparison to the 1973 aerial photograph.
- 1984 – The project site and surrounding area appear relatively unchanged in comparison to the 1979 aerial photograph.
- 1987 – The project site and surrounding area appear relatively unchanged in comparison to the 1984 aerial photograph.
- 1998 – The project site and surrounding area appear relatively unchanged in comparison to the 1987 aerial photograph.
- 2006 – The project site and surrounding area appear relatively unchanged in comparison to the 1998 aerial photograph. There is now a large baseball stadium present a couple blocks southwest of the site.
- 2009 – The project site and surrounding area appear relatively unchanged in comparison to the 2006 aerial photograph.
- 2012 – The project site and surrounding area appear relatively unchanged in comparison to the 2009 aerial photograph.
- 2016 – The project site and surrounding area appear relatively unchanged in comparison to the 2012 aerial photograph.
- 2020 – The project site and surrounding area appears relatively unchanged in comparison to the 2016 aerial photograph.

4.3.2.2 TOPOGRAPHIC MAPS

The copies of the topographic maps indicate the following for Site 1:

- 1923 – The project site and surrounding area are largely developed appears to be largely undeveloped. There is a railroad track/station southeast of the project site and main roadways are labeled to the west of the Site.
- 1942 – The Northern section of the map is labeled as unmapped. The project site appears relatively unchanged in comparison to the 1923 topographic map. Additional structures are depicted in the surrounding area.
- 1946 – The project site and surrounding area appear relatively unchanged in comparison to the 1942 topographic map. Only school, county buildings, and church buildings are depicted on the topographic map. The County Jail now appears to be on the site.

- 1947 – The project site and surrounding area appear relatively unchanged in comparison to the 1946 topographic map.
- 1963/1965 – The project site and surrounding area appear relatively unchanged in comparison to the 1947 topographic map. The map is largely highlighted red, indicating the area is built-up. The site now shows the addition to the jail on the southern side of the site.
- 1972 – The project site appears relatively unchanged in comparison to the 1963/1965 topographic map.
- 1981 – The project site and surrounding area appear relatively unchanged in comparison to the 1972 topographic map. There is now an indication that the Law Enforcement Office has been built on Site 1.
- 2012 – Only roads and contours are depicted in newer topographic maps.
- 2015 – Only roads and contours are depicted in newer topographic maps.
- 2018 – Only roads and contours are depicted in newer topographic maps.

4.3.2.3 SANBORN RECORDS REPORT

The copies of the Sanborn records indicate the following for Site 1:

- 1888 – Site 1 is located on the southeast corner of Fresno Street and K Street (currently named Van Ness Avenue). The site appears to be primarily vacant and being used as the city's courthouse plaza. On the map, the area is labeled as "Court House Square." Near the southwest corner of Fresno and M Steet, appears to be a Jail, labeled "County Jail". East, adjacent to Site 1, but sharing the same city block, is the Fresno County Court House. The surrounding area appears to be developed with many structures surrounding the site.
- 1898 – The site appears relatively unchanged in comparison to the 1888 Sanborn Map. The labeled Courthouse has become larger, adjacent to the site.
- 1906 – The County Jail, on the southern end of the site now appears larger in size.
- 1918 – Site 1 no longer has path indication on the site. There is a small structure on the site labeled "Band Stand."
- 1948 – The site now has a few more structures present within it. There is a large structure on the southwest corner of Fresno Street and M Street labeled "Fresno County Jail." The map indicates it was built in 1942. The former County Jail labeled in previous maps is now the Courthouse Annex. There are also two smaller structures on the site labeled "Women's Comfort Station and "Men's Comfort Station."
- 1950 – The site appears relatively unchanged in comparison to the 1948 Sanborn map.
- 1970 – Site 1 now has a few more large additions. The former restroom structures and band stand are no longer depicted. There is a large building labeled "Law Enforcement Office" where the "Men's Comfort Area" structure was previously located in the 1950 Sanborn map. There is now an indication of an underground garage on an adjacent area to Site 1. Security tunnels extend from the underground garage to beneath the jail building The Fresno County Jail, which is also located on the site and now has

a large attachment to its northern side. A section adjacent west of the off-site courthouse is being used as an outdoor patio space. There are also ramps depicted adjacent to Site 1 facing Van Ness Avenue to an underground garage located underneath Van Ness Avenue.

PRIOR AGRICULTURAL USE

Based on the review of historical aerial photographs, topographic maps, and Sanborn maps, Site 1 has not been historically used for agricultural purposes.

MINES

Based on the review of historical aerial photographs and topographic maps, Site 1 does not appear to have been used as a site for mining operations.

ILLEGAL DRUG MANUFACTURING

Site 1 was not identified by the California Hazardous Material Incident Report System which is maintained by the California Office of Emergency Services and contains information regarding hazardous material incidents such as accidental releases or spills. Clandestine Drug Laboratory Locations database maintained by the U.S. Department of Justice was also reviewed for the presence of drug laboratories or dumpsites. Drug-related waste was not observed on the site during the site inspection.

PRIOR U.S. GOVERNMENT OWNERSHIP

Based on the review of the EDR database, historical aerial photographs, and topographic maps reviewed, there are no indications that Site 1 was owned by the U.S. Government or devoted to military use or operations.

4.3.3 Surrounding Property Land Uses

Based on the review of the EDR, historical aerial photographs, topographic maps, and Sanborn maps the properties surrounding Site 1 are predominately commercial and institutional. The regulatory agency database search prepared by EDR indicates the presence of agency database listings for facilities located within an approximate one-mile radius of the site. No listed sites were near Site 1 that were identified that could potentially impact the site. These facilities do not appear to represent a potential threat to soil, soil vapor and or groundwater quality of Site 1. Historically the surrounding land was used as residential, institutional, and commercial.

4.4 STANDARD ENVIRONMENTAL RECORDS REVIEW

A review of selected regulatory agency databases for documented environmental concerns on Site 1, or in close proximity to the site, was conducted by EDR. Site 1 is listed on the HAZNET, LUST, CERS, CERS HAZ WASTE, CERS TANKS, and UST databases. A 10,000-gallon unleaded gasoline underground storage tank (UST) is located east of the South Annex Jail building facing M Street, and a 20,000-gallon diesel UST is located north of the Fresno County Sheriff's Department in a grassy area facing Fresno Street. The UST locations are depicted on Figure 4.1, *Site 1 Underground Storage Tanks*. The gasoline UST is listed on the LUST (leaking UST) database and has a status of completed – case closed as of August 1, 2011. The leak had been reported on October 19, 1990 during a tank closure. The final conclusion was that the leak was considered *de minimis* and site closure was granted in 2011 by the RWQCB.

According to the EDR, the site was not within the radius of any NPL Sites, delisted NPL Sites, RCRA CORRACTS Facilities, RCRA Non-CORRACTS TSD Facilities, or State- and Tribal- equivalent NPL sites. Additionally, the site is not listed as having institutional or engineering controls, or on the ERNS list.

The following information pertains to the facilities that were located within radius parameters of the site:

- Approximately Site and Adjoining
  - 15 RCRA Generators
  - 13 State and Tribal Registered Storage Tanks
  - 9 Orphan Sites
- Within 0.5-mile radius of the site
  - 2 CERCLIS Sites
  - 2 CERCLIS-NFRAP Sites
  - 1 State and Tribal Landfill and Solid Waste Disposal Sites
  - 50 State and Tribal Leaking Storage Tanks
  - 2 State and Tribal Voluntary Cleanup Sites
- Within 1 mile
  - 11 State and Tribal Equivalent CERCLIS sites

4.5 INTERVIEWS

Aaron Smith, Fresno County Facilities Services Manager, Internal Services Department, participated in an interview on July 7, 2023 for Site 1 which is owned by Fresno County. Mr. Smith was not aware of any leaks, spills, or discharges of hazardous materials on the site or the site vicinity. A questionnaire was completed by Christopher Jones, Principal Staff Analyst for the Fresno County Internal Services Department, Facility Services & Real Property. Mr. Jones was not aware of any leaks, spills, or discharges of hazardous materials to the site or adjacent to the site. Mr. Jones indicated that there are land use restrictions on the South Annex portion of the property due to its jail use, but once the jail is vacated, those land use restrictions would end. Mr. Jones was not aware of any environmental cleanup liens against the properties nor was he aware of any land use limitations due to environmental issues. Mr. Jones was also not aware of any environmental cleanups, spills, or chemical releases that may have occurred on the site.

4.6 FINDINGS AND CONCLUSIONS

The objective of a Phase I ESA is to assess whether "recognized environmental conditions" (REC), historical RECs (HREC), and controlled RECs (CREC) are associated with the subject site. Our conclusions are intended to help the user evaluate the "business environmental risk" associated with the subject site. Our opinion regarding an REC's potential impact on the subject site is based on the scope of our work, the information obtained during the course of our work, the conditions prevailing at the time our work was performed, the applicable regulatory requirements in effect at the time our work was performed, and our experience evaluating similar sites.

4.6.1 Recognized Environmental Conditions

The ASTM E 1527-21 Standard defines an REC in part as:

> *"the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment."*

The following two RECs were identified in the assessment of Site 1 following the ASTM standard:

- A 10,000-gallon gasoline underground storage tank was installed east of the South Annex Jail at 1155 M Street (Site 1) in 1990.
- A diesel underground storage tank was identified in the grassy area north of the Fresno County Sheriff's Department administration building at 2200 Fresno Street (Site 1).

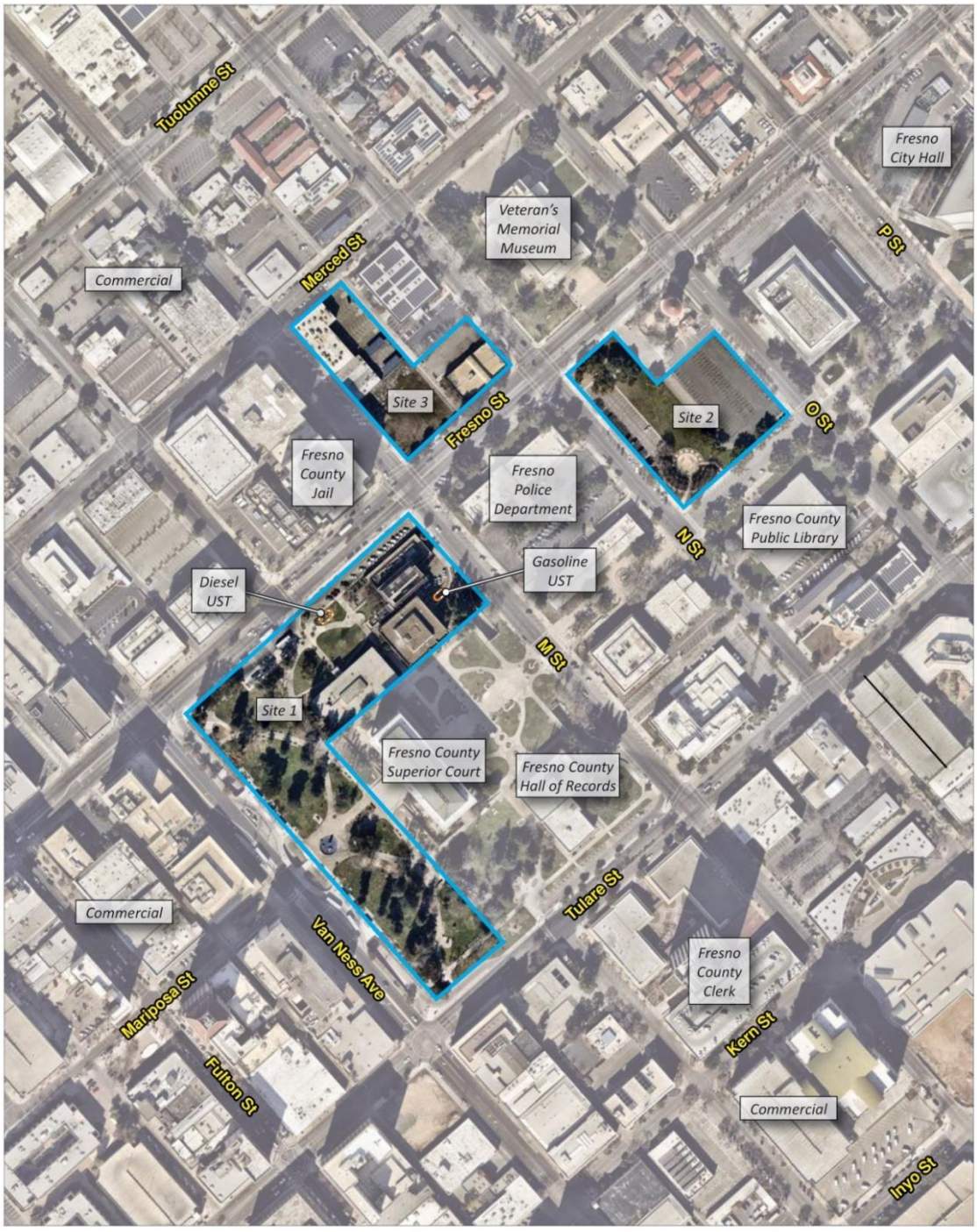
4.6.2 Historical Recognized Environmental Conditions

The ASTM E 1527-21 Standard defines an HREC as:

> *"a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."*

One HREC was identified for Site 1 following the ASTM standard. A gasoline underground storage tank was removed from east of the South Annex Jail (Site 1) in 1990 and gasoline was discovered in soil. A case was opened with the RWQCB and the site status was updated to Completed – Case Closed in 2011.

Figure 4.1 Site 1 Underground Storage Tanks



4.6.3 Controlled Recognized Environmental Conditions

The Standard also requires the identification of CRECs. The ASTM Standard defines CRECs as:

> *"a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."*

This assessment has revealed no evidence of CRECs in connection with Site 1 following the ASTM standard.

4.6.4 Business Environmental Risk

A business environmental risk is defined by ASTM E 1527-21 as:

> *"a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations."*

Our review identified the following potential business environmental risk:

- Based on the age of the existing buildings on Site 1, and the former buildings that existed on the site, it is possible that residual lead from lead-based paint (LBP) and residual pesticides from termiticides are potentially present in the soils in the vicinity of the existing and former structures.

4.6.5 Summary

Based on the results of this Phase I ESA, PlaceWorks recommends that a Phase II ESA be conducted at Site 1 to assess the two RECs identified in this report. In addition, if Site 1 is proposed for sensitive land uses such as residential or childcare, additional soil investigation for lead and pesticides related to the existing and former buildings on the site is recommended.

Appendix B

New Fresno Federal Courthouse
Phase I Environmental Site Assessment

July 2023 | Phase I Environmental Site Assessment

Fresno Street Properties

for Judicial Council of California

Prepared for:

Judicial Council of California
Contact: Alexandra Cervantes, Senior Facilities Analyst
Environmental Health & Safety
2860 Gateway Oaks Drive, Suite 400
Sacramento, California 95833

Prepared by:

PlaceWorks
Michael Watson, PG, Senior Geologist
2850 Inland Empire Boulevard, Suite B
Ontario, California 91764
909.989.4449
info@PlaceWorks.com
www.PlaceWorks.com

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Executive Summary

PlaceWorks has performed a Phase I Environmental Site Assessment (ESA) on behalf of the Judicial Council of California (Client) for the select properties located along Fresno Street between Van Ness Avenue and O Street in the City of Fresno, Fresno County, California (Figures 1 and 2). The project site consists of three distinct areas encompassing approximately 11.9 acres. The Phase I ESA was performed in general conformance with the scope and limitations of the ASTM E 1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Exceptions to, or deletions from, this practice are described in Section 1 of this report. Our conclusions are intended to help the user evaluate the "environmental risk" associated with the site, as defined in the ASTM E 1527-21 Standard, and discussed in the Introduction section of this report.

The approximately 11.9-acre project site is located along Fresno Street between Van Ness Avenue and O Street in downtown Fresno, California. Site 1 is an L-shaped 7.6-acre portion of the 13.94-acre Courthouse Park parcel located at 2200 Fresno Street and identified with Assessor Parcel Number 466-16-001T which includes underground parking, the South Annex Jail and a Fresno County Sheriff's Department office building. Site 2 is an approximately 2.3-acre portion of the 2.51-acre Eaton Plaza property located at 2400 Fresno Street which includes Assessor Parcel Number 466-09-305T, and Site 3 is an approximately 2.0-acre portion of the 2.96-acre Greater Fresno Area Chamber of Commerce/Office Buildings block which includes Assessor Parcel Numbers 466-113-03, 466-113-06, 466-113-07, and 466-113-08. The project site is about 0.5 miles northwest of the State Route 41 Freeway and about 0.6 miles northeast of State Route 99 Freeway (Figure 2).

Figure 1 depicts the regional location of the project site, Figure 2 shows the local vicinity of the project site, and Figure 3 is an aerial photograph showing the current conditions of the project site. Regional access to the site is provided by the SR-41 Freeway and the SR-99 Freeway. Local access is from Fresno Street which passes alongside the project site (Figure 3).

The objective of a Phase I ESA is to assess whether "recognized environmental conditions" (REC), historical RECs (HREC), and controlled RECs (CREC) are associated with the subject site. Our conclusions are intended to help the user evaluate the "business environmental risk" associated with the subject site. Our opinion regarding an REC's potential impact on the subject site is based on the scope of our work, the information obtained during the course of our work, the conditions prevailing at the time our work was performed, the applicable regulatory requirements in effect at the time our work was performed, and our experience evaluating similar sites.

RECOGNIZED ENVIRONMENTAL CONDITIONS (RECs)

The ASTM E 1527-21 Standard defines an REC in part as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under

conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment."

The following six RECs were identified in the assessment following the ASTM standard.

- A 10,000-gallon gasoline underground storage tank was installed east of the South Annex Jail at 1155 M Street (Site 1) in 1990.
- A diesel underground storage tank was identified in the grassy area north of the Fresno County Sheriff's Department administration building at 2200 Fresno Street (Site 1).
- An automobile repair shop was located on the northwest portion of Site 2 from at least 1932 to 1958. An auto body repair and painting operation was depicted on the southern end of this same facility in the 1948 and 1950 Sanborn fire insurance maps. Auto repair operations may have used solvents, paints, degreasers, lubricants and oils that contain volatile organic compounds, petroleum hydrocarbons, polychlorinated biphenyls, and/or metals.
- A transformer yard was located on the northeastern portion of Site 2 from at least 1946 to about 1962 based on aerial photographs and the 1948 and 1950 Sanborn fire insurance maps. Polychlorinated biphenyls were most likely used in transformers during this time period.
- Automobile repair shops were depicted on a portion of the former apartment building facing Fresno Street on Site 3 and on the northern portion of Site 3 facing the alley in the 1918 Sanborn fire insurance map. Auto repair operations may have used solvents, paints, degreasers, lubricants and oils that contain volatile organic compounds, petroleum hydrocarbons, polychlorinated biphenyls, and/or metals.
- A cleaners operation was identified in the former apartment building facing Fresno Street on Site 3 from at least 1937 to about 1942. Cleaners may have used tetrachloroethylene for dry cleaning garments and fabrics.

HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS (HRECs)

The ASTM E 1527-21 Standard defines an HREC as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

One HREC was identified for the project site following the ASTM standard. A gasoline underground storage tank was removed from east of the South Annex Jail (Site 1) in 1990 and gasoline was discovered in soil. A case was opened with the Regional Water Quality Control Board and the site status was updated to Completed – Case Closed in 2011.

CONTROLLED RECS ENVIRONMENTAL CONDITIONS

The Standard also requires the identification of controlled RECs (CRECs). The ASTM Standard defines CRECs as

"a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

This assessment has revealed no evidence of CRECs in connection with the project site following the ASTM standard.

BUSINESS ENVIRONMENTAL RISK

A business environmental risk is defined by ASTM E 1527-21 as a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations. Our review identified the following potential business environmental risk:

- Based on the age of the existing buildings on Site 1, the existing buildings facing M Street on Site 3, and the former buildings that existed on Sites 1, 2, and 3, it is possible that residual lead from lead-based paint (LBP) and residual pesticides from termiticides are potentially present in the soils in the vicinity of the former structures.

SUMMARY

Based on the results of this Phase I ESA, PlaceWorks recommends that a Phase II ESA be conducted at the project site to assess the five RECs identified in this report. In addition, if the project site is proposed for sensitive land uses such as residential or childcare, additional soil investigation for lead and pesticides related to the existing buildings on Site 1, the existing buildings facing M Street on Site 3, and the former structures across the project site is recommended.

Executive Summary

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1. Introduction

This Phase I Environmental Site Assessment (ESA) was performed in general conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) E 1527-21 Standard for the Judicial Council of California (Client) for the Fresno Street properties in Fresno, Fresno County, California (Figures 1 and 2). The Phase I ESA was performed in general conformance with the scope and limitations of the ASTM E 1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and with the EPA "All Appropriate Inquiries" standard. Exceptions to, or deletions from, this practice are described in Section 1 of this report.

The primary purpose for performing a Phase I ESA is to "…permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations (commonly known as landowner liability protections) on Comprehensive Emergency Response Compensation and Liability Act (CERCLA) liability." An environmental site assessment meeting or exceeding this practice and completed less than 180 days prior to the date of acquisition is presumed to be valid under this standard. In order to maintain landowner liability protections, the user also has a "continuing obligation to not interfere with activity and use limitations associated with the property," must take "reasonable steps to prevent releases" and must "comply with legal release reporting obligations." (ASTM, 2021) Further, it is the goal of this study to identify business risks related to the property associated with environmental conditions.

Our conclusions are intended to help the user evaluate the "environmental risk" associated with the site, as defined in the ASTM E 1527-21 Standard and the United States Environmental Protection Agency (EPA) All Appropriate Inquiry (AAI) standard.

1.1 OBJECTIVE

The objective of this assessment was to evaluate site history, existing observable conditions, current site use, and current and historic uses of surrounding properties to identify the potential presence of Recognized Environmental Conditions (RECs) in connection with the subject site. RECs are defined by ASTM as

> "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. This definition does not include *de minimis* conditions defined as "a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies" (ASTM, 2021).

In addition, the Standard requires the identification of historical RECs (HRECs) and known or suspect environmental conditions in the Phase I ESA report. The standard defines historical RECs as

> "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

The Standard also requires the identification of controlled RECs (CRECs). The ASTM Standard defines CRECs as

> "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

Our conclusions are intended to help the user evaluate the "environmental risk" associated with the site, defined by ASTM as "a risk which can have a material environmental or environmentally-driven financial impact on the business associated with the current or planned use of a parcel of commercial real estate. Consideration of environmental risk issues may involve addressing one or more non-scope considerations."

1.2 SITE IDENTIFICATION

The approximately 11.9-acre project site is located along Fresno Street between Van Ness Avenue and O Street in downtown Fresno, California. Site 1 is an L-shaped 7.6-acre portion of the 13.94-acre Courthouse Park parcel located at 2200 Fresno Street and identified with Assessor Parcel Number 466-16-001T which includes underground parking, the South Annex Jail and a Fresno County Sheriff's Department office building. Site 2 is an approximately 2.3-acre portion of the 2.51-acre Eaton Plaza property located at 2400 Fresno Street which includes Assessor Parcel Number 466-09-305T, and Site 3 is an approximately 2.0-acre portion of the 2.96-acre Greater Fresno Area Chamber of Commerce/Office Buildings block which includes Assessor Parcel Numbers 466-113-03, 466-113-06, 466-113-07, and 466-113-08. Figure 2, *Local Vicinity,* provides a map depicting the general location of the project site. Figure 3 is an aerial photograph showing the current site conditions.

1.3 DETAILED SCOPE OF SERVICES

PlaceWorks performed the following detailed scope of services to complete our Phase I ESA assessment:

1. Visual observations of site conditions, and of adjoining property use, to evaluate the nature and type of activities that have been or are being conducted at and adjacent to the site, in terms of the potential for release or threat of release of hazardous substances or petroleum products.
2. Review of federal and state environmental database information within the ASTM- specified radii from the subject site using a database service to access records. Use of 7.5-minute topographic maps to evaluate the site's physical setting.
3. Review of federal and state environmental files, as necessary, pertaining to the subject site and nearby

sites with the potential to impact the subject site.

4. Review of previous reports (if any) prepared for the subject site.
5. Review of historical aerial photographs and topographic maps.
6. Contacts with state and local agencies, as necessary, regarding the site and surrounding properties and structures.
7. Interviews with the Key Site Manager and property tenant representatives (if any). Interpretation of information and data assembled as a result of the above work tasks, and formulation of conclusions regarding the potential presence and impact of RECs as defined by the ASTM E 1527-21 Standard.

1.4 NON-SCOPE CONDSIDERATIONS

The ASTM E 1527-21 Standard includes the following list of "additional issues" that are non-scope considerations outside of the scope of the ASTM Phase I ESA practice: Asbestos-Containing Materials, Biological Agents, Radon, Lead-Based Paint, Lead in Drinking Water, Wetlands, Regulatory Compliance, Cultural and Historic Risks, Industrial Hygiene, Health and Safety, Ecological Resources, Endangered Species, Indoor Air Quality unrelated to releases of hazardous substances or petroleum products in the environment and mold.

A limited assessment of the presence of polychlorinated biphenyls (PCBs) is included in the ASTM work scope. Accordingly, the assessment of the presence of PCBs is limited to those potential sources specified in the ASTM E 1527-21 Standard as "electrical or hydraulic equipment known or likely to contain PCBs" to the extent visually and or physically observed or identified from the interview or records review.

1.5 EXCEPTIONS AND DEVIATIONS

PlaceWorks has completed this assessment in substantial conformance with ASTM E 1527-21. In our opinion, there were no exceptions, addition, deviations, or deletions made to the ASTM work scope.

1.6 LIMITATIONS

Our work for this project was performed generally consistent with the ASTM E 1527-21 Standard for Phase I Environmental Site Assessments. Several organizations other than ASTM, such as professional associations (e.g. ASFE and AGWSE) have also developed "guidelines" or "standards" for environmental site assessments. The Phase I ESA presented herein is consistent with the ASTM E 1527-21 Standard, which may vary from the specific "guidelines" or "standards" required by other organizations.

This Report was prepared pursuant to an Agreement between the Client and PlaceWorks. All uses of this Report are subject to, and deemed acceptance of, the conditions and restrictions contained in the Agreement. The observations and conclusions described in this Report are based solely on the Scope of Services provided pursuant to the Agreement. PlaceWorks has not performed any additional observations, investigations, studies, or other testing not specified in the Agreement. PlaceWorks shall not be liable for the existence of any condition the discovery of which would have required the performance of services not authorized under the Agreement.

1. Introduction

This Report is prepared for the exclusive use of the Client in connection with the project site. There are no intended beneficiaries other than the Client. PlaceWorks shall owe no duty whatsoever to any other person or entity on account of the Agreement or the Report. Use of this Report by any person or entity other than the Client for any purpose whatsoever is expressly forbidden unless such other person or entity obtains written authorization from the Client and from PlaceWorks. Use of this Report by such other person or entity without the written authorization of the Client and PlaceWorks shall be at such other person's or entity's sole risk and shall be without legal exposure or liability to PlaceWorks.

Use of this Report by any person or entity, including by the Client, for a purpose other than the site, is expressly prohibited unless such person or entity obtains written authorization from PlaceWorks indicating that the Report is adequate for such other use. Use of this Report by any person or entity for such other purpose without written authorization by PlaceWorks shall be at such person's or entity's sole risk and shall be without legal exposure or liability to PlaceWorks.

This Report reflects site conditions observed and described by records available to PlaceWorks as of the date of report preparation. The passage of time may result in significant changes in site conditions, technology, or economic conditions, which could alter the findings and/or recommendations of the report. Accordingly, the Client and any other party to whom the report is provided recognize and agree that PlaceWorks shall bear no liability for deviations from observed conditions or available records after the time of report preparation. No investigation is thorough enough to absolutely rule out the presence of hazardous materials at a given site. If hazardous conditions have not been identified during the assessment, such a finding should not be construed as a guarantee of the absence of such materials on the Site, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

The findings, conclusions, and recommendations contained in this report are based on site conditions as they existed at the time of our investigation. Our review of documents, lists, databases, and public agency files have been conducted with due diligence. However, our conclusions are based on available information and are subject to constraints imposed by public agencies on review procedures and information retrieval. As a result, PlaceWorks may have been unable to identify potential concerns. PlaceWorks assumes no responsibility for conditions that did not come to our attention despite reasonable care, or for conditions that were not generally recognizable as environmentally unacceptable at the time of this report. Opinions and judgments expressed are based on our understanding and interpretations of currently available regulatory standards and should not be construed as legal opinions or advice.

Use of this Report by any person or entity in violation of the restrictions expressed in this Report shall be deemed and accepted by the user as conclusive evidence that such use and the reliance placed on this Report, or any portions thereof, is unreasonable, and that the user accepts full and exclusive responsibility and liability for any losses, damages or other liability which may result.

2. Site Description

This section describes the site location and ownership of the site as well as other pertinent details.

2.1.1 Name of Site Owner

Site 1 (APN 466-16-001T) is owned by Fresno County. Site 2 (APN 466-09-305T) is owned by the City of Fresno. APNs 466-113-06 & -07 of Site 3 are owned by Ramirez Commercial Properties, LLC. The owner(s) of the vacant lot on Site 3 (APN 466-113-08) and the Fresno Area Chamber of Commerce parcel (APN 466-113-03) are yet to be identified.

2.1.2 Site Location Map

The United States Geological Survey (USGS) topographic map for the site is the Fresno South, California Quadrangle. The USGS topographic map was used as the source for site setting information. The project site is in Fresno County at approximately 36.73734 north latitude and 119.78933 west longitude. The project site is in Sections 3 and 4 of Township 14 South, Range 20 East of the Mt. Diablo Base Line and Meridian. Figures 1 through 2 show the location of the project site.

2.2 SITE AND VICINITY DESCRIPTION

The approximately 11.9-acre project site is located along Fresno Street between Van Ness Avenue and O Street in downtown Fresno, California. Site 1 is an L-shaped 7.6-acre portion of the 13.94-acre Courthouse Park parcel located at 2200 Fresno Street and identified with Assessor Parcel Number 466-16-001T which includes underground parking, the South Annex Jail and a Fresno County Sheriff's Department office building. Site 2 is an approximately 2.3-acre portion of the 2.51-acre Eaton Plaza property located at 2400 Fresno Street which includes Assessor Parcel Number 466-09-305T, and Site 3 is an approximately 2.0-acre portion of the 2.96-acre Greater Fresno Area Chamber of Commerce/Office Buildings block which includes Assessor Parcel Numbers 466-113-03, 466-113-06, 466-113-07, and 466-113-08.

The project site is in a developed area in the City of Fresno. The Fresno Water Tower, Veterans Memorial Museum, Fresno County Jail, a Bureau of Reclamation office building, a methadone clinic, the Crocker Building, a Wells Fargo, and the Fresno County Jail are located north of the site. Office buildings are located west and east of the site. The Fresno County Public Library, office buildings, Fresno County Superior Court building, and Fresno County Hall of Records building are located south of the site.

2.3 PHYSICAL SETTING

Subsurface explorations were not performed for this evaluation; therefore, site geology and hydrology were evaluated on the basis of readily available public information or references, and/or based upon our experience and understanding of subsurface conditions in the subject property area.

2.3.1 Topography

Topographically, the property slopes slightly to the west and to the southwest. Based on a review of the USGS 7.5-minute Topographic Series, Fresno South, California Quadrangle Map (USGS 2022), surface elevation of the project site ranges between approximately 290 and 295 feet above mean sea level.

2.3.2 Geologic Information

The project site is located in the San :Joaquin Valley within the Great Valley Geomorphic Province. The Great Valley Province is a long, narrow northwest-trending alluvial valley that lies between the Sierra Nevada Range to the east and the Coast Ranges to the west (CGS 2002). The San Joaquin Valley is located in the southern portion of the Great Valley and is bounded by the Stockton Arch to the north and the San Emigdio and Tehachapi Mountains to the south. This region formed as a forearc basin during the subduction of the Pacific plate underneath the North American plate.

The site is underlain by Holocene alluvial fan deposits (Matthews and Burnett 1965). The dominant soil components listed in the United States Department of Agriculture Natural Resources Conservation Services (USDA) Web Soil Survey for the project site is Hanford sandy loam northwest of Fresno Street, and Delhi loamy sand southeast of Fresno Street.

2.3.3 Naturally Occurring Asbestos Containing Minerals and Radon Gas

Based on a review of A General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos (Department of Conservation, Division of Mines and Geology 2000) and Van Gosen and Clinkenbeard (2011), the site is not located within a ten-mile radius from an area thought to contain naturally occurring asbestos (NOA).

The Indoor Radon Abatement Act of 1988 directs the United States Environmental Protection Agency to identify and lists areas of the United States with the potential for elevated indoor radon levels. The U.S. EPA's Map of Radon Zones assigns one of three zones based on radon potential:

- Zone 1 counties have a predicted average indoor radon screening level greater than 4 pico curies per liter (pCi/L)
- Zone 2 counties with a predicted average indoor radon screening level between 2 and 4 pCi/L
- Zone 3 counties with a predicted average indoor radon screening level less than 2 pCi/L

Based on the EPA (2021) map, the site is within Zone 2, below the level of concern. The California Department of Health Services recommends action to be taken to reduce radon levels inside buildings if they are 4 pCi/L or greater.

2.3.4 Groundwater and Surface Water Information

Based on the California Department of Water Resources (2004) the project site is situated in the Kings subbasin of the San Joaquin Valley Groundwater Basin. While local groundwater flow is influenced by production well pumping, regional flow in the basin is predominately toward the southwest. Based on a groundwater contour map, groundwater is expected to be located about 180 feet below ground surface at the site (Fresno Irrigation District 2022). The closest surface water body is Dry Creek Canal about one mile northwest of the project site (USGS 2022). Hydrogeologic investigations were not performed on the site for this investigation; therefore, it is unknown to what extent localized variations in groundwater presence and flow occur on the site.

2. Site Description

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3. Site History and Background Information

3.1 PREVIOUS REPORTS

No previous reports for the subject property were reviewed by PlaceWorks for the preparation of this Phase I ESA report.

3.2 PAST USAGE OF THE SITE

Past usage of the site was assessed through review of historical aerial photographs, topographic maps, Sanborn fire insurance maps and databases. Copies of historical information reviewed are included in Appendix A. Based on a review of historical information Site 1 has been developed with Courthouse Square/Courthouse Park since at least 1888. A jail has been located on the northeast portion of Site 1 since at least 1888, with the current jail building being constructed in 1942, and the annex to that building dating from 1960. The Fresno County Sheriff's Department administration building was constructed southwest of the South Annex Jail in 1969. A warehouse that existed on the northwest portion of Site 2 contained grain and flour storage from about 1888 to about 1918, followed by automobile sales and repair from at least 1932 to about 1958. Residential dwellings were located on the southeastern portion of Site 2 from at least 1888 to about 1950. The southeastern portion of Site 2 has been developed with a parking lot since about 1957, with the current configuration of Site 2 becoming apparent in 1962. Site 3 was developed with a church on the southeast portion of Site 3 and residential dwellings from 1888 to about 1950. An apartment building was on the northeast corner of Fresno Street and M Street from at least 1918 to about 1987. Based on information in Section 4.2.4, a cleaners operated in a space within the apartment building from 1937 to about 1942, and an auto repair shop was located in the easternmost portion of the apartment building in 1918. A separate auto repair shop was located on the north portion of Site 3 facing the alley.

Aerial photographs for the proposed sites obtained from EDR for the years 1937, 1942, 1946, 1950, 1957, 1962, 1967, 1973, 1979, 1984, 1987, 1998, 2006, 2009, 2012, 2016, and 2020 were reviewed for the project site. Copies of the aerial photographs are included in Appendix A.

- 1937 – Site 1 appears to be used as the plaza for the courthouse, which is located adjacent, to the east of the site. Site 1 is primarily covered in trees and no discernable structures can be made out. Site 2 is made up of many smaller buildings, some residential and some commercial. There is also a small parking lot located on this site. Site 3 has two larger buildings on the site's edge bordering Fresno Street. The remainder of the site appears to have a few smaller structures and predominantly covered by trees. The surrounding area is largely built-up with many large and small buildings.

- 1942 – The project site and surrounding area appear relatively unchanged in comparison to the 1937 aerial photograph.

3. Site History and Background Information

- 1946 – The project site and surrounding area appears to be relatively unchanged in comparison to the 1942 aerial photograph. The larger County Jail can now be seen and uncovered by trees on Site 1.

- 1950 – The project site and surrounding area appear to be unchanged in comparison to the 1946 aerial photograph.

- 1957 – Site 1 and surrounding area appear unchanged in comparison to the 1950 Aerial photograph. Site 2 no longer has the 3 residential dwellings on its southeast end and now it is occupied by a parking lot. Site 3 is now cleared of trees and is primarily being used as parking space. There are three large buildings on Site 3 as well.

- 1962 – Site 1 and 3 along with the surrounding area appear relatively unchanged in comparison to the 1957 Aerial photograph. Site 2 appears to be cleared of most buildings and is being utilized now as a small park with a parking lot. There also appears to still be two buildings on the northern edge of site 2.

- 1967 – A large portion of Site 1 has been cleared away of most trees and it appears construction for the underground garage and Law Enforcement Office are under way. Site 2 and 3 are primarily being used as parking lots, with Site 3 still having a few large buildings on the site.

- 1973 – Sites 2 and 3, along with surrounding areas appear relatively unchanged in comparison to the 1967 aerial photograph. Site 1 now has a new law enforcement building constructed next to the county jail, and the rest of the site appears to have been landscaped one again.

- 1979 – The project site and surrounding area appear relatively unchanged in comparison to the 1973 aerial photograph.

- 1984 – The project site and surrounding area appear relatively unchanged in comparison to the 1979 aerial photograph.

- 1987 – The project site and surrounding area appear relatively unchanged in comparison to the 1984 aerial photograph.

- 1998 – The project site and surrounding area appear relatively unchanged in comparison to the 1987 aerial photograph. The apartment building is no longer present on Site 3.

- 2006 — The project site and surrounding area appear relatively unchanged in comparison to the 1998 aerial photograph. There is now a large baseball stadium present a couple blocks southwest of the site.

- 2009 – The project site and surrounding area appear relatively unchanged in comparison to the 2006 aerial photograph. Site 3 looks partially undeveloped.

- 2012 – The project site and surrounding area appear relatively unchanged in comparison to the 2009 aerial photograph.

- 2016 — The project site and surrounding area appear relatively unchanged in comparison to the 2012 aerial photograph.

- 2020 – The project site and surrounding area appears relatively unchanged in comparison to the 2016 aerial photograph.

3.2.1 Historical Topographic Maps

Historical Topographic Maps obtained from EDR for the years 1923, 1942, 1946, 1947, 1963/1965, 1972, 1981, 2012, 2015 and 2018 were reviewed for the project site. Copies of the topographic maps are included in Appendix A.

- 1923 – The project site and surrounding area are largely developed and only site 1 appears to be largely undeveloped. There is a railroad track/station southeast of the project site and main roadways are labeled to the west of the Site.

- 1942 – The Northern section of the map is labeled as unmapped. The project site appears relatively unchanged in comparison to the 1923 topographic map. Additional structures are depicted in the surrounding area.

- 1946 – The project site and surrounding area appear relatively unchanged in comparison to the 1942 topographic map. Only school, county buildings, and church buildings are depicted on the topographic map. The County Jail now appears to be on Site 1.

- 1947 – The project site and surrounding area appear relatively unchanged in comparison to the 1946 topographic map.

- 1963/1965 – The project site and surrounding area appear relatively unchanged in comparison to the 1947 topographic map. The map is largely highlighted red, indicating the area is built-up. Site 1 now shows the addition to the jail and sites 2 and 3 are among the portion of the map highlighted in red.

- 1972 – The project site appears relatively unchanged in comparison to the 1963/1965 topographic map.

- 1981 – The project site and surrounding area appear relatively unchanged in comparison to the 1972 topographic map. There is now indication that the Law Enforcement Office is on Site 1.

- 2012 – Only roads and contours are depicted in newer topographic maps.

- 2015 – Only roads and contours are depicted in newer topographic maps.

- 2018 – Only roads and contours are depicted in newer topographic maps.

3. Site History and Background Information

3.2.2 Sanborn Fire Insurance Maps

Sanborn maps obtained from EDR for the years 1888, 1898, 1906, 1918, 1948, 1950, and 1970 were reviewed for the subject site. Copies of the Sanborn maps are included in Appendix A.

- 1888 – Site 1 is located on the southeast corner of Fresno Street and K Street (currently named Van Ness Avenue). The site appears to be primarily vacant and being used as the city's courthouse plaza. On the map, the area is labeled as "Court House Square." Near the southwest corner of Fresno and M Steet, appears to be a Jail, labeled "County Jail". East, adjacent to Site 1, but sharing the same city block, is the Fresno County Court House. Site 2 includes a grain and flour storage warehouse on the northwest portion and a few dwellings with detached stables/garages. Inside the warehouse there is a 3,000-horsepower engine and two 11,000 gallon water tanks. Site 3 is located across Fresno Street, northwest of Sites 1 and 2, between M and N Street. Site 3 contains many smaller parcels which contain residential dwelling within each. Four wells are marked on Site 3 as well as a church on its southeast corner. The surrounding area appears to be developed with many structures surrounding the site.

- 1898 – Sites 1, 2, and 3 appear relatively unchanged in comparison to the 1888 Sanborn Map. The labeled Courthouse has become larger, adjacent to Site 1. The warehouse on Site 2 is labeled as Sperry Flour Co., the 3,000-horsepower engine is not depicted, and a 250-horsepower engine is depicted but is labeled as not used.

- 1906 – The County Jail, on a portion of Site 1 now appears larger in size. Site 2 is depicted with a church on the northeast corner of Mariposa and N Street. Site 3 appears relatively unchanged. There are a few structures replaced or removed within the site and the church located on the southeast corner now appears larger in size.

- 1918 – Site 1 no longer has path indication on the site. There is a small structure on the site labeled "Band Stand" on Site 1. Site 2 is depicted with a vacant church building at the northeast corner of Mariposa and N Streets. Three multifamily dwellings are depicted along Mariposa Street. A private garage is depicted adjacent to the Sperry Flour warehouse and a storage shed is located on the opposite side of Site 2 along O Street. Site 3 has a section shaded in gray on the southwest corner indicating there are a set of apartments and two separate auto repairing shops are depicted on the north portion of Site 3 and the apartment building facing the alley.

- 1948 – Site 1 now has a few more structures present within it. There is a large structure on the southwest corner of Fresno Street and M Street labeled "Fresno County Jail." The map indicates it was built in 1942. The former County Jail labeled in previous maps is now the Courthouse Annex. There are also two smaller structures on the site labeled "Women's Comfort Station and "Men's Comfort Station." Site 2 no longer has the storage shed depicted, and a transformer yard is in its place. The former Sperry Flour warehouse is depicted as an automobile sales and service facility and the former private garage is depicted as an auto body repair and painting shop. Site 3 no longer has the auto repair shops depicted and the remainder of Site 3 appears relatively unchanged in comparison to the 1918 Sanborn Map.

- 1950 – Sites 1, 2, and 3 appear relatively unchanged in comparison to the 1948 Sanborn map.

- 1970 – Site 1 now has a few more large additions. The former restroom structures and band stand are no longer depicted on Site 1. There is a large building labeled "Law Enforcement Office" where the "Men's Comfort Area" structure was previously located in the 1950 Sanborn map. There is now indication of an underground garage on an adjacent area to Site 1. Security tunnels extend from the underground garage to beneath the jail building The Fresno County Jail, which is also located on the site and now has a large attachment to its northern side. A section adjacent west of the off-site courthouse is being used as an outdoor patio space. There are also ramps depicted adjacent to Site 1 facing Van Ness Avenue to an underground garage located underneath Van Ness Avenue. Site 2 is no longer occupied by any commercial or residential buildings and is now being occupied as a park, as indicated on the Sanborn Map. Site 3 no longer has small dwellings. The former church is no longer depicted on Site 3 and a new structure is depicted to be occupied by the Chamber of Commerce. A beauty college is depicted on the eastern portion of the apartment building. A large portion of Site 3 is being used as parking for the building on the site.

3.2.3 Historical City Directories

PlaceWorks reviewed the EDR-City Directory of the project site. A copy of the EDR-City Directory is in Appendix A. City Directory data was searched for the years spanning from 1922 through 2020. The project site is identified in the EDR-City Directory starting in 1927 and in 1942, 1947, 1952, 1958, 1965, 1970, 1975, 1980, 1986, 1990, 1992, 1995, 1996, 2000, 2002, 2005, 2010, 2014, 2017, and 2020.

3.2.4 Prior Agricultural Use

Based on the review of historical aerial photographs, topographic maps, and Sanborn maps, the site has not been historically used for agricultural purposes. Grain and flour storage was located on the northern portion of Site 2 from at least 1888 to about 1918.

3.2.5 Mines

Based on the review of historical aerial photographs and topographic maps, the project site does not appear to have been used as a site for mining operations.

3.2.6 Illegal Drug Manufacturing

The proposed site was not identified by the California Hazardous Material Incident Report System (CHMIRS) which is maintained by the California Office of Emergency Services and contains information regarding hazardous material incidents such as accidental releases or spills. Clandestine Drug Laboratory Locations (CDL) database maintained by the U.S. Department of Justice was also reviewed for the presence of drug laboratories or dumpsites. Drug-related waste was not observed on the site during the site inspection.

3.2.7 Prior U.S. Government Ownership

Based on the review of the EDR database, historical aerial photographs, and topographic maps reviewed, there are no indications that the project site was owned by the U.S. Government or devoted to military use or operations.

3.3 SURROUNDING PROPERTY LAND USES

Based on the review of the EDR, historical aerial photographs, topographic maps, and Sanborn maps the properties surrounding the project site are predominately commercial and institutional. The regulatory agency database search prepared by EDR indicates the presence of agency database listings for facilities located within an approximate one-mile radius of the project site. No listed sites were near the project site that were identified that could potentially impact the project site. These facilities do not appear to represent a potential threat to soil, soil vapor and or groundwater quality of the project site. Historically the surrounding land was used as residential, institutional, and commercial.

4. Environmental Records Review

4.1 STANDARD ENVIRONMENTAL RECORDS REVIEW

PlaceWorks utilized the electronic database service EDR to complete the environmental records review. To determine if the Site has any documented environmental concerns, or if other sites with documented environmental concerns exist within the search radii of the Site prescribed by ASTM 1527-21 and All Appropriate Inquiry, PlaceWorks reviewed a summary of regulatory agency database listings prepared by EDR. In addition, where appropriate, we reviewed local regulatory agency files for additional specific information regarding sites identified in the EDR report judged to be of possible concern to the subject Site. The EDR report presenting a summary of the agency databases reviewed and a map showing the location of the identified sites is provided as Appendix B (EDR, 2023). The results of the database search and follow-up agency file review are summarized below.

The database search was used to identify properties that may be listed in the referenced Agency records, located within the American Society for Testing and Materials (ASTM)-specified search radii indicated below:

Database	Approximate Search Distance	Subject Site Listed?	Number of Sites within Search Area
Federal NPL Sites	1 mile	No	0
Federal Delisted NPL Sites	0.5 mile	No	0
CERCLIS Sites	0.5 mile	No	2
CERCLIS-NFRAP Sites	0.5 mile	No	2
Federal ERNS	Site only	No	0
RCRA non-CORRACTS TSD Facilities	0.5 mile	No	0
RCRA CORRACTS Facilities	1 mile	No	0
RCRA Generators	Site and Adjoining	No	15
Federal Institutional/Engineering Control Registry	0.5 mile	No	0
State and Tribal Equivalent NPL Sites	1 mile	No	0
State and Tribal Equivalent CERCLIS Sites	1 mile	No	11
State and Tribal Registered Storage Tanks	Site and Adjoining	Yes	13
State and Tribal Landfills and Solid Waste Disposal Sites	0.5 mile	No	1
State and Tribal Leaking Storage Tanks	0.5 mile	Yes	50
State and Tribal Institutional Controls/Engineering Control	Site only	No	0
State and Tribal Voluntary Cleanup Sites	0.5 mile	No	2
State and Tribal Brownfield Sites	0.5 mile	No	0
Orphan Site List	Site and Adjoining	No	9
HAZNET	Site only	Yes	0

A review of selected regulatory agency databases for documented environmental concerns on the site, or in close proximity to the site, was conducted by EDR. A copy of the radius report, dated June 26, 2023 is included

4. Environmental Records Review

in Appendix B. The project site is listed on the EDR Hist Auto, EDR Hist Cleaners, HAZNET, LUST, CERS, CERS HAZ WASTE, CERS TANKS, and UST databases.

4.1.1 NPL Sites

The National Priorities List (NPL) is a list of contaminated sites that are considered the highest priority for clean-up by the EPA.

- The project site is not listed on the NPL list.
- The database search did not identify NPL sites within a mile radius of the project site.

4.1.2 Federal Delisted NPL Sites

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425 (e), sites may be deleted from the NPL where no further response is appropriate.

- The project site is not listed on the delisted NPL list.
- The database did not identify any delisted NPL sites within a mile radius of the project site.

4.1.3 CERCLIS Sites

The Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS) list identifies sites which are suspected to have contamination and require additional investigation to assess if they should be considered for inclusion on the NPL.

- The project site is not listed on the CERCLIS list.
- The database search identified two CERCLIS listings within a half mile radius of the project site.
    - PG&E Fresno 2 located on Fresno & Tulare Street, approximately 0.423-miles from the project site is listed as being on the SEMS database. The site ID is 0904605 and the EPA ID is CAD983650102.
    - PG&E Gas Plant Fresno on the northwest corner of Thorne and Button Avenues, is listed as being on the SEMS database, and the Non NPL status is listed as "Other Cleanup Activity: State-Lead Cleanup.

4.1.4 CERCLIS-NFRAP Sites

CERCLIS-NFRAP status indicates that a site was once on the CERCLIS List but has No Further Response Actions Planned (NFRAP). Sites on the CERCLIS-NFRAP List were removed from the CERCLIS List in

February 1995 because, after an initial investigation was performed, no contamination was found, contamination was removed quickly, or the contamination was not significant enough to warrant NPL status.

- The project site is not listed on the CERCLIS-NFRAP list.
- The database search identified two CERCLIS-NFRAP Site within a half mile radius of the project site.
    - Fresno County Credit Union at 2211 Merced Steet, approximately 0.047-mile from the project site was previously a gas station with five underground storage tanks that have since been removed from the site. In 1987, A preliminary assessment was completed at the site indicating potential COC hazard. As of 2002, the status of the site is Completed- Case Closed. The Facility Id is 1055002 and EPA ID is 100059.
    - Wilshire Paint Co at 701 & 712 Fulton Street, approximately 0.212-mile from the project site is indicated in the EDR Report as NFRAP-Site does not qualify for the NPL based on existing information. Discovery of potential contaminant was in 1986 and finish date in 1986 as well. The site ID is 0901265 and EPA ID is CAD028211076.

4.1.5 RCRA CORRACTS Facilities

The RCRA CORRACTS Facilities list catalogues facilities that treat, store, or dispose of hazardous waste and have been associated with corrective action activity.

- The project site is not listed as a RCRA CORRACTS TSD Facility.
- The database search did not identify any RCRA CORRACTS TSD Facilities within a one-mile radius of the project site.

4.1.6 RCRA Non-CORRACTS TSD Facilities

The Resource Conservation and Recovery Act (RCRA) non-CORRACTS TSD Facilities List tracks facilities which treat, store, or dispose of hazardous waste and are not associated with corrective action activity.

- The project site is not listed as a RCRA non-CORRACTS TSD facility.
- The database search did not identify any RCRA non-CORRACTS TSD facility within a one-half mile radius of the project site.

4.1.7 RCRA Generators

The RCRA Generator list is maintained by the EPA to track facilities that generate hazardous waste.

- The project site is not listed as a RCRA Generator facility.

4. Environmental Records Review

- The database search identified 15 RCRA Generators within a quarter mile radius of the project site.
    - Twining Laboratories at 2527 Fresno Street, approximately 0.082-mile northeast of the project site, is listed as a large quantity generator. The EPA was the agency that determined the generator was under violation in 2003. The actual return to compliance date is 2004. The EPA ID for this site is CAD007964240.
    - Pacific Bell at 2502 Merced Street, approximately 0.106-mile north-northeast of the project site, is listed as having a Small Quantity Generators, and a Large Quantity Generator.No violations were found for this site. EPA ID for this site is CAT080023419.
    - Michael Chevrolet at 1450 O Street, approximately 0.139-mile north of the project site, is listed as having a Small Quantity Generator. No violations were found for this site. EPA ID for this site is CAD004868717.
    - DTH Fresno at 2715 Fresno Street, approximately 0.188-mile northeast of the project site, is listed as having a small quantity generator. No Violations were found for this site. Epa ID for this site is CAR000273292.
    - Pacific Bell at 1245 Vann Ness Avenue approximately 0.062-mile west of the project site, is listed as having a small quantity generator. No violations were found at this site. EPA ID is CAT080023492.
    - Harbor Freight Tools at 1349 N Blackstone Avenue, approximately 0.080-mile north-northwest of the project site, is listed as having a small quantity generator containing ignitable waste, cadmium, chromium, lead, and mercury. No violations were found for this site. The EPA ID is CAD982477168.
    - Fresno County Health at 1221 Fulton Mall, approximately 0.111-mile west-southwest of the project site, is listed as having a small quantity Generator. No violations were found for this site. The EPA ID is CAD982037467.
    - Slavich Bros Inc. at Stanislaus & M Street, approximately 0.199-mile north-northwest of the project site, is listed as having four small quantity generators containing gasoline, diesel, and waste oil. No violations were found for this site. The EPA ID is CAD982029795.
    - Premier Imports at 2306 Stanislaus Street, approximately 0.199-mile north-northwest of the project site, is listed as having a small quantity generator. No violations were found for this site. The EPA ID is CAD982462467.
    - Pacific Bell, located on 1407 Van Ness Avenue, approximately 0.208-mile west-northwest is listed as having a small quantity generator. No violations were found for this site. The EPA ID is CAT080023427.

- Gestetner Corp at 1363 Broadway, approximately 0.241-mile west of the project site, is listed as having a small quantity generator. No violations were found for this site. The EPA ID is CAD 981679251.
- Pacific Bell at 1401 Fulton Avenue, approximately 0.241-mile west of the project site, is listed as having a small quantity generator. No violations were found for this site. The EPA ID is CAT080023393.
- California High Speed Rial Project at 14 N Motel Drive, approximately 0.241-mile west of the project site, is listed as having a small quantity generator containing arsenic, cadmium, chromium, lead, carbon tetrachloride, benzene, creosote, and naphthalene. No violations were found for this site. The EPA ID is CAR000247247.
- PG&E San Joaquin Regional office at 1401 Fulton Street, approximately 0.241-mile west of the project site, is listed as having a small quantity generator. No violations were found for this site. The EPA ID for this site is CAD981460298.
- Pacific Bell at 1429, 1445. 1455 Van Ness Avenue, approximately 0.220-mile west-northwest of the site, is listed as having a very small quantity generator. No violations were found for this site. The EPA ID is CAT080020639.

4.1.8 Federal Institutional Control / Engineering Controls

A listing of sites with institutional and or engineering controls in place is maintained by the EPA. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

- The project site is not listed as having an institutional or engineering control.

4.1.9 Federal ERNS List

The Federal ERNS list is the Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The list is maintained by the National Response Center United States Coast Guard.

- The project site is not listed on the ERNS List.

4.1.10 State-and Tribal- equivalent NPL

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

- The project site is not listed on state- and tribal-equivalent NPL.
- The database search did not identify any state-and tribal equivalent NPL sites within a one-mile radius of the project site.

4.1.11 State and Tribal- equivalent CERCLIS

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

- The project site is not listed on the state-and tribal-equivalent CERCLIS.
- The database search identified eleven state-and tribal-equivalent CERCLIS within a mile radius of the project site.
    - Fresno County Employee Credit Union Site at 2211 Merced Avenue, approximately 0.047-miles northwest of the project site is listed on EnviroStor as referred to RWQCB on November 29, 1989.
    - Morris P. Kirk & Son (National Lead) at 736-742 Fulton Street, approximately 0.240-miles south-southeast of the project site is listed on EnviroStor with the status of No Action Required as of June 13, 2017.
    - Univar USA Inc. at 1152 G Street, approximately 0.356-miles southwest from the project site is listed on EnviroStor with the status No Action Required as of October 4, 2018.
    - PG&E G Street Substation at 1131 G Street, approximately 0.378-miles southwest of the project site is listed on EnviroStor with the status of certified as of January 19, 2010. The facility underwent a voluntary cleanup of TPH-gas, copper and vanadium in soil.
    - Dill Eldon Plating & Polishing at 1516 H Street, approximately 0.387-miles west of the project site is listed on EnviroStor with the status of Refer: Other Agency as of November 16, 1994.
    - PG&E Manufactured Gas Plan SQ-FK-FRS-2 at Block of F, G, Fresno and Tulare Streets, approximately 0.403-miles southwest of the project site, is listed on EnviroStor as Inactive – Needs Evaluation as of March 18, 1992.

- Former Fresno 2 Manufactured Gas Plant Site at Mariposa Street between F and G Streets, approximately 0.421 miles southwest of the project site, is listed on EnviroStor with the status Active as of February 9, 2010. The chemicals of concern at the facility include polynuclear aromatic hydrocarbons in soil and soil gas.
- Industrial Plating at 733 G Street, approximately 0.477-miles south of the project site is listed on EnviroStor with the status of Refer: Other Agency as of November 16, 1994.
- Commercial Electro Plating, Inc. at 1937 S Cherry Avenue, approximately 0.922-miles south-southeast of the project site, is listed on EnviroStor with the status of No Action Required as of June 15, 2004.
- City of Fresno at 1802 E California Avenue, approximately 0.935-miles south of the project site, is listed on EnviroStor with the status of Active as of January 1, 2022. A discovery report was due on May 8, 2023.
- Lamoure's Cleaners at 308 N 1st Street, approximately 0.976-miles northeast of the project site is listed on EnviroStor with the status Active as of March 1, 2022. Potential chemicals of concern include tetrachloroethylene, trichloroethylene, vinyl chloride, 1,1-dichloroethylene, 1,2-dichloroethylene and cis-1,2-dichloroethylene in soil gas.

Based on the distance from the project site, regulatory status, topography or media affected, these facilities are no expected to have impacted the project site.

4.1.12 State and Tribal- equivalent Landfill and/or Solid Waste Disposal Sites

The database search identified one State Landfills or Solid Waste Disposal Site within a one-half mile radius of the subject site.

- The project site is not listed on state- and tribal- equivalent landfill and/or solid waste disposal site lists.
- The database search identified one state-and tribal equivalent Landfill and/or Solid Waste Disposal site within a half mile radius of the project site.
  - Dan Green's Wood Recycling at 733 South Huges, approximately 0.394-miles east of the project site is listed as a closed facility. The former facility processed chipping and grinding wood waste for recycling purposes only. Based on the closed status and the type of waste involved, this facility is not expected to impact the project site.

4.1.13 State and Tribal Leaking Underground Storage Tanks

The State Water Resources Control Board Leaking Underground Storage Tank Information System contains an inventory of Leaking Underground Storage Tank (LUST) Incident Reports.

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- The project site is listed on state- and tribal leaking underground storage tanks.

    - Fresno County Jail at 1155 M Street on Site 1 is listed on the LUST database twice for a gasoline underground storage tank release. The first case listed indicates that the leak is being confirmed. The second case for the facility has a status of completed – case closed as of August 1, 2011. The leak had been reported on October 19, 1990 during a tank closure. The final conclusion was that the leak was considered de minimus and site closure was granted in 2011.

- The database search also identified 48 LUST facilities within a half-mile radius of the project site.

    - Fresno Clinton B.P. at 2409 Fresno, approximately 0.011-miles north-northeast of the project site, is listed as with the status Completed – Case Closed as of October 26, 2009. The facility experienced a release of gasoline that impacted an aquifer used for drinking water supply in 1994, which was discovered during a tank closure. Based on the regulatory status, this facility is not expected to have impacted the project site.

    - Fresno City Police Dept. at 2323 Mariposa, approximately 0.038-miles east of the project site, is listed twice on the LUST database. The first listing is because of a leak of diesel reported in soil with the status of preliminary site assessment underway. The second listing is also for a diesel release into soil which was reported in 1995. The current status of the facility is Completed – Case Closed as of October 1, 2009. Based on the media impacted, this facility is not expected to have impacted the project site.

    - Fresno County Employees Credit Union Property at 2211 Merced Street, approximately 0.047-miles northwest of the project site, is listed twice on the LUST database. The first entry is listed because of a release of gasoline into soil with the status of Case Closed. The second listing is from a release of gasoline into soil reported in 1986 from subsurface monitoring. The facility is listed with a status of Completed-Case Closed as of May 28, 2002. Based on the regulatory status, this facility is not expected to have impacted the project site.

    - Dept of General Services at 2550 Mariposa Mall, approximately 0.055-miles east-northeast of the project site, is listed twice on the LUST database. The first entry is listed because of a leak of diesel into soil and is listed with a status of Case Closed. The second entry is listed for a leak of diesel into soil that was reported in 1987 from a tank tightness test. The current status for the facility is listed as Completed – Case Closed as of December 12, 2000. Based on the regulatory status, this facility is not expected to impact the project site.

    - Twining Laboratories Inc at 2527 Fresno Street, approximately 0.082-miles northeast of the project site, is listed because of a leak of gasoline into soil that was reported in 1987. The current regulatory status of the case is listed as Completed – Case Closed as of March 11,

2005. Based on the regulatory status, this facility is not expected to have impacted the project site.

- Office Bldg at 850 L Street, approximately 0.138-miles southeast of the project site, is listed because of a leak of waste oil into soil reported in 1993 from a tank closure. The current regulatory status of the case is listed as Completed – Case Closed as of September 23, 2002. Based on the regulatory status, this facility is not expected to have impacted the project site.

- Tutelian & Company at 812 Van Ness Avenue, approximately 0.162-miles south-southeast of the project site, is listed because of a leak of heating oil/fuel oil into soil and an aquifer used for drinking water supply in 2008 from a tank closure. The current regulatory status is listed as Completed – Case Closed as of April 14, 2010. Based on the regulatory status, this facility is not expected to have impacted the project site.

- Atchison Topeka & Santa Fe Rail/BNSF/Amtrak Depot at 2650 Tulare Street, approximately 0.174-miles east-northeast of the project site, is listed twice on the LUST database. One of the entries are listed as leak being confirmed, and the other listing has much more information. The facility experienced a leak of gasoline into soil in 1995 from subsurface monitoring. The current status of the facility is Completed – Case Closed as of November 24, 1997. Based on the regulatory status, this facility is not expected to have impacted the project site.

- Michael Chevrolet at 1450 O Street, approximately 0.185-miles north of the project site, is listed because of a leak of gasoline into soil reported in 1986. The current regulatory status of the case is listed as Completed – Case Closed as of August 16, 1995. Based on the regulatory status, this facility is not expected to impact the project site.

- A Place For You Foundation at 2201 Stanislaus, approximately 0.209-miles northwest of the project site, is listed twice on the LUST database. The first listing is because of a leak of waste oil with the status listed as Case Closed. The second listing for this facility is from a leak of waste oil reported in 1994 from a tank closure. The current regulatory status is listed as Completed – Case Closed as of August 9, 1996. Based on the regulatory status, this facility is not expected to impact the project site.

- Van Ness & Inyo Parking Lot at 750 Van Ness Street, approximately 0.211-miles south-southeast of the project site, is listed twice on the LUST database. The first listing is from a release of gasoline into a drinking water aquifer and the status is listed as Case Closed. The second listing is from a leak of gasoline into an aquifer used for drinking water supply reported in 1987. The current regulatory status of the facility is listed as Completed – Case Closed as of October 12, 1999. Based on the regulatory status, this facility is not expected to impact the project site.

- 29 additional LUST facilities were listed at a quarter-mile or farther from the project site. Based on the distance from the project site, regulatory status and/or gradient flow direction, these

facilities are not expected to impact the project site. The complete list of facilities is included in Appendix B.

4.1.14 State and Tribal Registered Underground Storage Tanks

The State Water Resources Control Board's Hazardous Substance Storage Container Database maintains a list of USTs regulated by the Resource Conservation and Recovery Act.

- The project site is listed twice on the registered UST list. Both entries are located in Site 1.
    - Courthouse Motor Pool at 1155 M Street is listed on the UST database. One 10,000-gallon gasoline UST was installed on the site on July 16, 1990. The tank is a steel double walled UST equipped with a shutoff and a spill bucket. The tank is also listed on the CA FID UST database.
    - Fresno County Sheriffs Admin at 2200 Fresno Street is listed on the UST database. Although the database does not identify the volume or contents of the UST, based on an interview with Fresno County personnel, it is used as a diesel UST to power the emergency generators for the South Annex Jail.
- The database also identified 11 registered storage tank facilities within a quarter mile radius of the project site.
    - Main Jail at 1225 M Street, approximately 0.009-miles north-northwest of the project site, is listed as having a registered 10,000-gallon fuel oil UST.
    - B.F. Sisk Federal Courthouse, Judicial Council of California, at 1130 O Street, approximately 0.014-miles east-northeast of the project site, is listed as having a registered AST identified with CERSID 10175773 and Facility ID FA0281032.
    - Fresno City Police Dept at 2323 Mariposa Mall, approximately 0.038-miles east of the project site, is listed as having a registered UST permitted through Fresno County with the facility ID FA0267545.
    - Dept of General Services at 1025 P Street, approximately 0.086-miles east-northeast of the project site, is listed as having a 1,320-gallon AST.
    - Federal Courthouse at 2500 Tulare Street, approximately 0.105 miles east of the project site, is listed twice as having a registered 2,000-gallon diesel UST. The tank is equipped with a shutoff, tank alarms, a tank ball float, and a tank spill bucket.
    - Van de Pol Petrleum Universal Facility #105 at 25570 W McKamery Avenue in Tranquillity, approximately 0.105-miles south of the project site, is listed as having a registered AST with EPAID CAL000324258.

- Department of Public Health at 1221 Fulton Mall, approximately 0.111-miles west-southwest of the project site, is listed as having a registered UST with facility ID FA0269762.
- AT&T – SB025 at 1445 Van Ness Avenue #236, approximately 0.220-miles west-northwest of the project site is listed on the UST database twice for a 25,000-gallon diesel UST equipped with a tank alarm and a tank spill bucket. The facility ID is identified as FA0266900.
- Performance 500 at 1506 Van Ness Avenue, approximately 0.250-miles west-northwest of the project site is listed on the UST database with facility ID FA0277404.

4.1.15 State and Tribal Voluntary Cleanup Site

The DTSC maintains a list of low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

- The project site is not listed on the state and tribal voluntary cleanup program.
- The database identified two state and tribal voluntary cleanup program sites within a half mile radius of the project site.
  - PG&E G Street Substation at 1131 G Street, approximately 0.378 miles southwest of the project site, is listed on the VCP database. The current status is listed as Certified as of January 19, 2010.
  - Former Fresno 2 Manufactured Gas Plant Site at Mariposa Street between F and G Streets, approximately 0.421 miles southwest of the project site, is listed on the VCP database. The current status is listed as Active as of February 9, 2010. Based on the distance from the project site and topography, this facility is not expected to impact the project site.

4.1.16 HAZNET

The California Environmental Protection Agency, Department of Toxic Substances Control maintains a list of facility and manifest data. The Hazardous Waste Information System (HAZNET) database includes information hazardous waste shipments for generators, transporters, and TSDFs.

- The project site is listed on the HAZNET Hazardous Waste Tracking System database. Both Site 1 and Site 3 are identified on the HAZNET database.
  - Giumarra Prop Corp at 2311 Fresno Street (Site 3), has a 1997 manifest for 8.428 tons of asbestos-containing waste disposed to a landfill. This was likely generated from the demolition of the former apartment building structure on the now-vacant lot on Site 3.
  - Fresno County Sheriffs Dept at 2200 Fresno Street (Site 1) is listed three times, Fresno County Sheriffs Dept at 2204 Fresno Street (Site 1) is listed twice, and Fresno County at 2280 Fresno

Street (Site 1) is listed on the HAZNET database. The manifests were listed for asbestos-containing waste, unspecified oil-containing waste, and other inorganic solid waste.

4.1.17 CERS HAZ Waste and CA CERS

CERS Haz Waste is a list of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator and RCRA LQ HW Generator Program. CERS is the CalEPA database that combines data about environmentally regulated sites and facilities from a variety of regulated activities across the spectrum of environmental programs including hazardous materials and waste.

- The project site is listed on the CERS TANKS database twice, and the CERS and CERS HAZ WASTE databases.
    - Fresno County Jail at 1155 M Street (Site 1) is listed on the CERS HAZ WASTE and CERS TANKS databases.
    - Fresno County Sheriffs Admin at 2200 Fresno Street (Site 1) is listed on the CERS and CERS TANKS databases.
- The database search identified four facilities within a quarter mile of the project site.
    - B. F. Sisk Federal Courthouse, Judicial Council of California at 1130 O Street, approximately 0.014 miles east-northeast of the project site is listed with CERS ID 10175773 and identified as a chemical storage facility with aboveground petroleum storage.
    - Robert E. Coyle Courthouse at 2500 Tulare Street, approximately 0.105 miles east of the project site is listed with CERS ID 10482526 and identified as a chemical storage facility with aboveground petroleum storage and an underground storage tank.
    - Van De Pol Petrleum Universal Facility #105 at 25570 W McKamery Avenue in Tranquillity, approximately 0.105 miles south of the project site is listed with CERS ID 10399651 and identified as a hazardous waste generator and a chemical storage facility with aboveground petroleum storage.
    - AT&T California – SB025 at 1445/1455 Van Ness Avenue, approximately 0.220 miles west-northwest of the project site is listed with CERS ID 10479529 and identified as a hazardous waste generator and chemical storage facility with an underground storage tank.

4.1.18 Orphan Sites

The EDR database identified 9 sites that were indicated as being potentially in the area and were not mapped due to incomplete address information.

Based on a review of the dates, locations, and current regulatory status the proposed project site is not expected to be impacted by these orphan sites.

4.2 ADDITIONAL ENVIRONMENTAL RECORDS REVIEW

In conformance with ASTM inquiry was made with the additional agencies described below.

4.2.1 Local Brownfield Lists

The DTSC's Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. Eight Brownfield sites were identified on the EnviroStor database in the radius searched for the project site.

- Parcel 468-282-23T at 829 Fulton Street, approximately 0.177-miles south of the project site was identified on the US Brownfields database. An assessment of the facility concluded that no recognized environmental conditions were identified in connection with the facility, and no further investigation was warranted.

- Parcel 466-214-17T at 1258 Broadway, approximately 0.210-miles west-southwest of the project site was identified on the US Brownfields database. An assessment of the facility concluded that no recognized environmental conditions were identified in connection with the facility, and no further investigation was warranted.

- Parcel 466-206-50T at 1900 Tuolumne Street, approximately 0.248-miles west of the project site was identified on the US Brownfields database. An assessment of the facility stated that it was formerly developed with single-family residential and a boarding house from 1888 to the late 1890s when it transitioned to commercial and retail development and the Fresno County Free Library was constructed in 1906. By 1965 all structures were demolished from the facility and it was then developed into a commercial parking lot.

- Commercial Building at 721 Broadway, approximately 0.295-miles south of the project site was identified on the US Brownfields database. The facility was developed with a single-family residence from at least 1885 to about 1918 when it was converted to commercial use. Zibbell's Auto Exchange Garage was on the site in 1918, and Richter Bottling Company operated a wholesale beer distribution center on the facility in 1948. In 1950, the facility contained an auto brake shop, and the facility was used for different auto parts stores after 1950 until about 2008, and has been used for Pool Tables R Us since then.

- Parcels 467-04-20ST, -22ST, -23ST at 801 H Street, approximately 0.307-miles south of the project site was identified on the US Brownfields database. The facility was developed with a warehouse that dates to at least 1885, and a parking lot that dates to the late 1990s. Lead was found in the building materials of the warehouse.

- 735 H Street, approximately 0.348-miles south of the project site was identified on the US Brownfields database. The facility was formerly utilized as a lumber yard in 1960, followed in 1912 by a building. One recognized environmental condition was identified on the facility in that the California Spray Chemical Company occupied a portion of the building from 1931 to 1946.

- American & Foreign Property at 603 Broadway, approximately 0.395-miles south-southeast of the project site was identified on the US Brownfields database. Subsurface soil contamination from benzene, xylene, and 2-methylnaphthalene was identified on the property at concentrations exceeding the site screening levels. However, the contamination was not a threat to groundwater and was not detected in deeper samples.

- Abandoned Gas Station at 655 G Street, approximately 0.493-miles south of the project site was identified on the US Brownfields database. The City of Fresno was directed to submit a workplan to the Fresno County Environmental Health System on November 2, 2004 to assess hydrocarbon impacts to soil beneath the facility.

4.2.2 Local Lists of Hazardous Waste Contaminated Sites

A record search was done on the following databases: CERS HAZ Waste, Clandestine Drug Labs, HIST Cal-Sites Historical CalSites Database, and Toxic Pits Cleanup Act Sites. School Property Evaluation Program records were also searched.

- The project site was identified on the CERS Hazardous Waste database, the CERS TANKS database twice, and the CERS database. Further information is included in Section 4.1.17 and Appendix B.

- The database search identified four local hazardous waste contaminated sites within a quarter mile radius of the project site. See Section 4.1.17 for a discussion on these facilities.

Based on the regulatory status, downgradient location and/or distance from the site, these facilities are not expected to have impacted the project site.

4.2.3 Local Lists of Registered Storage Tanks

A record search was done of the local lists of registered storage tanks. The project site was identified 7 times for Site 1, and an additional 101 registered UST sites were identified with 0.25 miles of the project site. These facilities are duplicates of previous entries listed above in Section 4.1.

4.2.4 High Risk Historical Records

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station,

filling station, auto, automobile repair, auto service station, and dry cleaners. The project site was identified three times, including Site 2 once and Site 3 twice.

- Kalam L M at 2309 Fresno Street (Site 3) is listed in 1942 as a Clothes Presser and Cleaner.
- Kalam Leon at 2317 Fresno Street (Site 3) is listed in 1937 as a Clothes Presser and Cleaner.
- McAlister James W Inc at 2412 Fresno Street (Site 2) is listed in 1932 as Hansen Thompson Ltd for automobile garages and automobile repairing. McAlister James W Inc is listed in 1942 and 1947 for automobile repairing. Leach Motors is listed in 1958 for automobile repairing.

Fifty-eight additional historical facilities were identified within the searched radius. Based on the regulatory status, downgradient location and/or distance from the site, these facilities are not expected to have impacted the project site.

4.2.5 State of California Geologic Energy Management Division

A review of California Division of Geologic Energy Management (CalGEM) Well Finder indicates that there are no oil wells or oil fields in the vicinity of the project site. The closest oil well is located approximately three miles south of the project site. The well is identified as a plugged and abandoned dry hole that was advanced by Mid-Cal Oil and Gas Company in 1951 and later abandoned in 1959 (CalGEM 2023). The dry hole is not expected to have impacted the project site.

4.2.6 San Joaquin Valley Air Pollution Control District

The San Joaquin Valley Air Pollution Control District Permitted Facility database was searched for the project site (APCD 2023). The project site (Site 1) was identified on the database for a diesel-fired emergency standby engine powering an electrical generator at 2200 Fresno Street (Sheriff's Admin) and is identified with Facility ID C-1622. In addition, Site 1 was identified for a diesel-fired emergency standby engine powering an emergency generator and a natural gas-fired emergency standby engine powering an emergency generator at 2204 Fresno Street (S Annex Jail) and is identified with Facility ID C-1624. Two other facilities were identified for the property but were determined to lie outside the project site boundaries, including gasoline dispensers in the underground parking garage and another emergency standby engine powering an emergency generator in the Hall of Records. The onsite permits are included in Appendix A.

4.2.7 Vapor Migration

The ASTM 1527-21 standard states that "for the purposes of this practice, "migrate" and "migration" refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface". Thus, this section specifies whether or not we perceive a risk of vapor migration to the subject site.

To assess a vapor migration, risk a review and analysis of the site-specific environmental database report and other reasonably ascertainable records was implemented to assess whether:

1. Off-site properties have documented chlorinated volatile organic compound (VOC) contamination located within 100 feet of the subject property, or

2. Off-site properties have documented volatile petroleum hydrocarbon contamination within 30 feet of the subject property.

Based on the records review, it is unlikely that a potential source of vapor migration currently exists beneath the site from off-site properties. No chlorinated VOC contamination was identified, and underground storage tanks were not identified adjacent or within 30 feet of the project site.

4.2.8 User-Provided Information

The ASTM Standard requires disclosure in the Phase I ESA report whether the user of the report has specialized knowledge about previous ownership or uses of the property that may be material to identifying RECs or HRECs, or whether the user has determined that the property's Title contains environmental liens or other information related to environmental condition of the property, including engineering and institutional controls and Activity and Use Limitations, as defined by ASTM. In addition, we are required by the ASTM Standard to inquire whether the user of the report has prior knowledge that the price of the property has been reduced for environmentally related reasons.

PlaceWorks was informed by the user that to their knowledge there are no liens or other information about the environmental condition of the property in the Title. In addition, the user was not aware of specialized knowledge about previous ownership or uses of the property that may be material to identifying RECs with the exception of the information provided above, and has not indicated that the price of the property has been reduced for environmentally-related reasons.

5. Site Reconnaissance and Key Personnel Interview(s)

Current site conditions were observed during a reconnaissance conducted by PlaceWorks on July 7, 2023. No weather-related conditions or other conditions that would limit our ability to observe the site occurred during our site reconnaissance. PlaceWorks personnel observed the exterior portions of the property, including the property boundaries. PlaceWorks was unaccompanied during the site visit. Site photographs from the reconnaissance are included in Appendix C.

ASTM requires that the current site owner or Key Site Manager and user, if different from the current owner or Key Site Manager, be asked if there are any helpful documents or information that can be made available for review. These consist of environmental site assessment reports, audits, permits, tank registrations, Material Safety Data Sheets, Community Right-to-Know plans, safety plans, hydrogeologic or geotechnical reports, or hazardous waste generator reports.

5.1 CURRENT USE OF THE PROPERTY

The approximately 11.9-acre project site is located along Fresno Street between Van Ness Avenue and O Street in downtown Fresno, California. Site 1 is an L-shaped 7.6-acre portion of the 13.94-acre Courthouse Park parcel located at 2200 Fresno Street and identified with Assessor Parcel Number 466-16-001T which includes underground parking, the South Annex Jail and a Fresno County Sheriff's Department office building. Site 2 is an approximately 2.3-acre portion of the 2.51-acre Eaton Plaza property located at 2400 Fresno Street which includes Assessor Parcel Number 466-09-305T, and Site 3 is an approximately 2.0-acre portion of the 2.96-acre Greater Fresno Area Chamber of Commerce/Office Buildings block which includes Assessor Parcel Numbers 466-113-03, 466-113-06, 466-113-07, and 466-113-08.

5.2 SITE VISIT OBSERVATIONS

5.2.1 General Description of Structures

Site 1 is developed with an office building for the Fresno County Sheriff's Department and the South Annex County Jail. Site 2 is not developed with any structures. Site 3 is developed with three office buildings.

5.2.2 Heating and Cooling System

Central heating and cooling systems were observed on the project site.

5. Site Reconnaissance and Key Personnel Interview(s)

5.2.3 Potable Water Supply and Sewage Disposal System or Septic Systems

Potable water is provided by the City of Fresno Department of Public Utilities Water Division. Sewage disposal systems are provided by the City of Fresno Department of Public Utilities Wastewater Management Division.

5.2.4 Use and Storage of Petroleum Products and Hazardous Materials

A gasoline underground storage tank was observed on the east side of Site 1, east of the South Annex Jail building (see Figure 3). A diesel underground storage tank was observed on the north side of Site 1, north of the Fresno County Sheriff's Department administration building. In addition, two diesel-powered engines for backup emergency generators were observed on Site 1. No staining or odors were observed in the vicinity of these features. No use or storage of petroleum products or hazardous materials was observed on Site 2 or Site 3.

5.2.5 Vehicle Maintenance Lifts

No vehicle maintenance lifts were observed at the project site.

5.2.6 Emergency Generators and Sprinkler System Pumps

No sprinkler system pumps were observed on the project site. Two emergency generators were observed on Site 1. No staining or odors were observed in the vicinity of the emergency generators, and the flooring surrounding the features did not show any evidence of cracking.

5.2.7 Polychlorinated Biphenyls (PCBs) Associated with Electrical or Hydraulic Equipment

A pad mounted transformer was observed along M Street on Site 1, and a pad-mounted transformer was observed behind one of the office buildings on Site 3. No signs of leakage were observed near either transformer. No electrical transmission lines or hydraulic equipment were observed on the project site. Based on the information above, PCBs are not expected to have impacted the project site.

5.2.8 Floor Drain and Sumps

No floor drains and sumps were observed at the project site.

5.2.9 Catch Basins

No catch basins were observed at the project site.

5.2.10 Dry Wells

No dry wells were observed at the project site.

5.2.11 Pits, Ponds, Lagoons, and Pools of Liquid

No pits, ponds, lagoons, or pools of liquid were observed at the project site.

5.2.12 Odors

No odors were observed at the project site.

5.2.13 Stains or Corrosion on Floors, Walls, or Ceilings

No stains or corrosion was observed on floors, walls or ceilings located at the project site.

5.2.14 Stained Soil or Pavement

No stained soil or pavement was observed at the project site.

5.2.15 Stressed Vegetation

No stressed vegetation was observed at the project site.

5.2.16 Solid Waste and Evidence of Waste Filling

Solid waste was observed to be confined in trash enclosures, and no evidence of waste filling was observed on the project site.

5.2.17 Wastewater and Stormwater Discharge

No wastewater discharge was observed on the project site. Stormwater is expected to exit the project site via overland flow to local roadways and creeks.

5.2.18 Monitoring, Water Supply, or Irrigation Wells

No monitoring, water supply or irrigation wells were observed at the project site.

5.3 INTERVIEWS

Aaron Smith, Fresno County Facilities Services Manager, Internal Services Department, participated in an interview on July 7, 2023 for Site 1 which is owned by Fresno County. Mr. Smith was not aware of any leaks, spills, or discharges of hazardous materials on Site 1 or the site vicinity. A questionnaire was completed by Christopher Jones, Principal Staff Analyst for the Fresno County Internal Services Department, Facility Services & Real Property. Mr. Jones was not aware of any leaks, spills, or discharges of hazardous materials to the Site 1 or adjacent to Site 1. Mr. Jones indicated that there are land use restrictions on the South Annex portion of the property due to its jail use, but once the jail is vacated, those land use restrictions would end. Mr. Jones was not aware of any environmental cleanup liens against the properties nor was he aware of any land use limitations

5. Site Reconnaissance and Key Personnel Interview(s)

due to environmental issues. Mr. Jones was also not aware of any environmental cleanups, spills, or chemical releases that may have occurred on the project site.

Albert W. Ramirez who represents Ramirez Commercial Properties, LLC, who owns two parcels on Site 3, participated in filling out a questionnaire for his property. Mr. Ramirez was not aware of any leaks, spills, or discharges of hazardous materials to the Site 3 or adjacent to Site 3. Mr. Ramirez was not aware of any environmental cleanup liens against the properties nor was he aware of any land use limitations due to environmental issues. Mr. Ramirez was also not aware of any environmental cleanups, spills, or chemical releases that may have occurred on Site 3. The questionnaires are included in Appendix D.

6. Data Gap Identification

The landowner for Site 2, and the landowners for 2 of the 4 parcels of Site 3 (APNs 466-113-03 and 466-113-08) were not interviewed for this Phase I Environmental Site Assessment. Other landowners include institutional and commercial properties. Because there are no existing structures older than 1994 on these portions of the project site, this is not considered a significant data gap. Adjacent landowners were not interviewed for this Phase I Environmental Site Assessment. A questionnaire was submitted to the user but to date has not been returned. These are not considered to be a significant data gaps based on the large amount of information already gathered for the project site and adjoining areas.

The Fresno County CUPA was contacted for records of the two underground storage tanks on Site 1, but to date have not responded to our request. However, one gasoline release was documented on Site 1 in 1990 and subsequently received closure in 2011. The database search contained in Appendix B indicates that the project site is not on the Recorded Environmental Cleanup Liens database which is maintained by the DTSC and contains a listing of liens placed upon real properties. The project site is also not listed on the DTSC's Deed Restriction database which lists sites with DTSC with restricted land use. The project site is not listed on NPL Liens, a database the EPA maintains on real property, in order to recover remedial action expenditures when the property owner has received notification of potential liability.

6. Data Gap Identification

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7. Findings and Conclusions

PlaceWorks has performed a Phase I Environmental Site Assessment (ESA) on behalf of the Judicial Council of California (Client) for the select properties located along Fresno Street between Van Ness Avenue and O Street in the City of Fresno, Fresno County, California (Figures 1 and 2). The project site consists of three distinct areas encompassing approximately 11.9 acres. This Phase I ESA was performed in general conformance with the scope and limitations of the ASTM E 1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Exceptions to, or deletions from, this practice are described in Section 1 of this report. Our conclusions are intended to help the user evaluate the "environmental risk" associated with the site, as defined in the ASTM E 1527-21 Standard, and discussed in the Introduction section of this report.

The approximately 11.9-acre project site is located along Fresno Street between Van Ness Avenue and O Street in downtown Fresno, California. Site 1 is an L-shaped 7.6-acre portion of the 13.94-acre Courthouse Park parcel located at 2200 Fresno Street and identified with Assessor Parcel Number 466-16-001T which includes underground parking, the South Annex Jail and a Fresno County Sheriff's Department office building. Site 2 is an approximately 2.3-acre portion of the 2.51-acre Eaton Plaza property located at 2400 Fresno Street which includes Assessor Parcel Number 466-09-305T, and Site 3 is an approximately 2.0-acre portion of the 2.96-acre Greater Fresno Area Chamber of Commerce/Office Buildings block which includes Assessor Parcel Numbers 466-113-03, 466-113-06, 466-113-07, and 466-113-08. The project site is about 0.5 miles northwest of the State Route 41 Freeway and about 0.6 miles northeast of State Route 99 Freeway (Figure 2).

Figure 1 depicts the regional location of the project site, Figure 2 shows the local vicinity of the project site, and Figure 3 is an aerial photograph showing the current conditions of the project site. Regional access to the site is provided by the SR-41 Freeway and the SR-99 Freeway. Local access is from Fresno Street which passes alongside the project site (Figure 3).

The objective of a Phase I ESA is to assess whether "recognized environmental conditions" (REC), historical RECs (HREC), and controlled RECs (CREC) are associated with the subject site. Our conclusions are intended to help the user evaluate the "business environmental risk" associated with the subject site. Our opinion regarding an REC's potential impact on the subject site is based on the scope of our work, the information obtained during the course of our work, the conditions prevailing at the time our work was performed, the applicable regulatory requirements in effect at the time our work was performed, and our experience evaluating similar sites.

RECOGNIZED ENVIRONMENTAL CONDITIONS (RECs)

The ASTM E 1527-21 Standard defines an REC in part as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under

7. Findings and Conclusions

conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment."

The following six RECs were identified in the assessment following the ASTM standard.

- A 10,000-gallon gasoline underground storage tank was installed east of the South Annex Jail at 1155 M Street (Site 1) in 1990.
- A diesel underground storage tank was identified in the grassy area north of the Fresno County Sheriff's Department administration building at 2200 Fresno Street (Site 1).
- An automobile repair shop was located on the northwest portion of Site 2 from at least 1932 to 1958. An auto body repair and painting operation was depicted on the southern end of this same facility in the 1948 and 1950 Sanborn fire insurance maps. Auto repair operations may have used solvents, paints, degreasers, lubricants and oils that contain volatile organic compounds, petroleum hydrocarbons, polychlorinated biphenyls, and/or metals.
- A transformer yard was located on the northeastern portion of Site 2 from at least 1946 to about 1962 based on aerial photographs and the 1948 and 1950 Sanborn fire insurance maps. Polychlorinated biphenyls were most likely used in transformers during this time period.
- Automobile repair shops were depicted on a portion of the former apartment building facing Fresno Street on Site 3 and on the northern portion of Site 3 facing the alley in the 1918 Sanborn fire insurance map. Auto repair operations may have used solvents, paints, degreasers, lubricants and oils that contain volatile organic compounds, petroleum hydrocarbons, polychlorinated biphenyls, and/or metals.
- A cleaners operation was identified in the former apartment building facing Fresno Street on Site 3 from at least 1937 to about 1942. Cleaners may have used tetrachloroethylene for dry cleaning garments and fabrics.

HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS (HRECs)

The ASTM E 1527-21 Standard defines an HREC as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

One HREC was identified for the project site following the ASTM standard. A gasoline underground storage tank was removed from east of the South Annex Jail (Site 1) in 1990 and gasoline was discovered in soil. A case was opened with the Regional Water Quality Control Board and the site status was updated to Completed – Case Closed in 2011.

7. Findings and Conclusions

CONTROLLED RECS ENVIRONMENTAL CONDITIONS

The Standard also requires the identification of controlled RECs (CRECs). The ASTM Standard defines CRECs as

"a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

This assessment has revealed no evidence of CRECs in connection with the project site following the ASTM standard.

BUSINESS ENVIRONMENTAL RISK

A business environmental risk is defined by ASTM E 1527-21 as a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations. Our review identified the following potential business environmental risk:

- Based on the age of the existing buildings on Site 1, the existing buildings facing M Street on Site 3, and the former buildings that existed on Sites 1, 2, and 3, it is possible that residual lead from lead-based paint (LBP) and residual pesticides from termiticides are potentially present in the soils in the vicinity of the former structures.

SUMMARY

Based on the results of this Phase I ESA, PlaceWorks recommends that a Phase II ESA be conducted at the project site to assess the five RECs identified in this report. In addition, if the project site is proposed for sensitive land uses such as residential or childcare, additional soil investigation for lead and pesticides related to the existing buildings on Site 1, the existing buildings facing M Street on Site 3, and the former structures across the project site is recommended.

7. Findings and Conclusions

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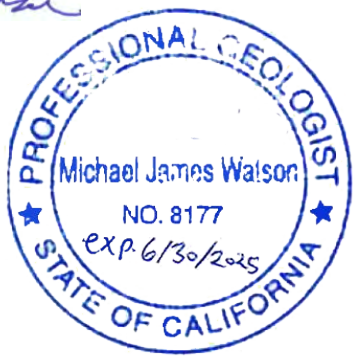
8. Credentials

I declare to the best of my professional knowledge and belief, that I meet the definition of Environmental Professional as defined in the ASTM Standard. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the project site property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Qualifications information for the project personnel is provided in Appendix E.

Michael Watson, PG
Senior Geologist

July 17, 2023



8. Credentials

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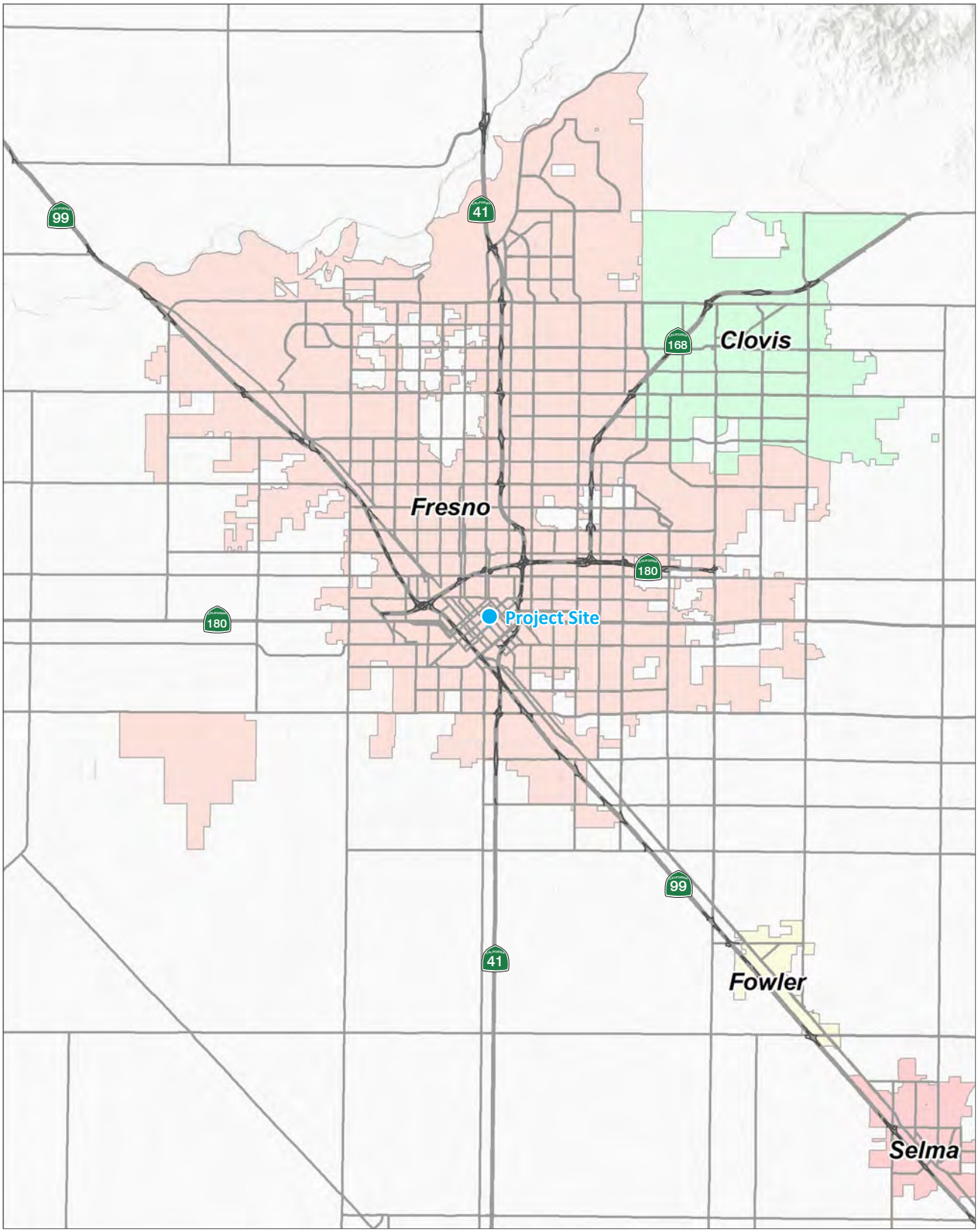
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Figures

Figures

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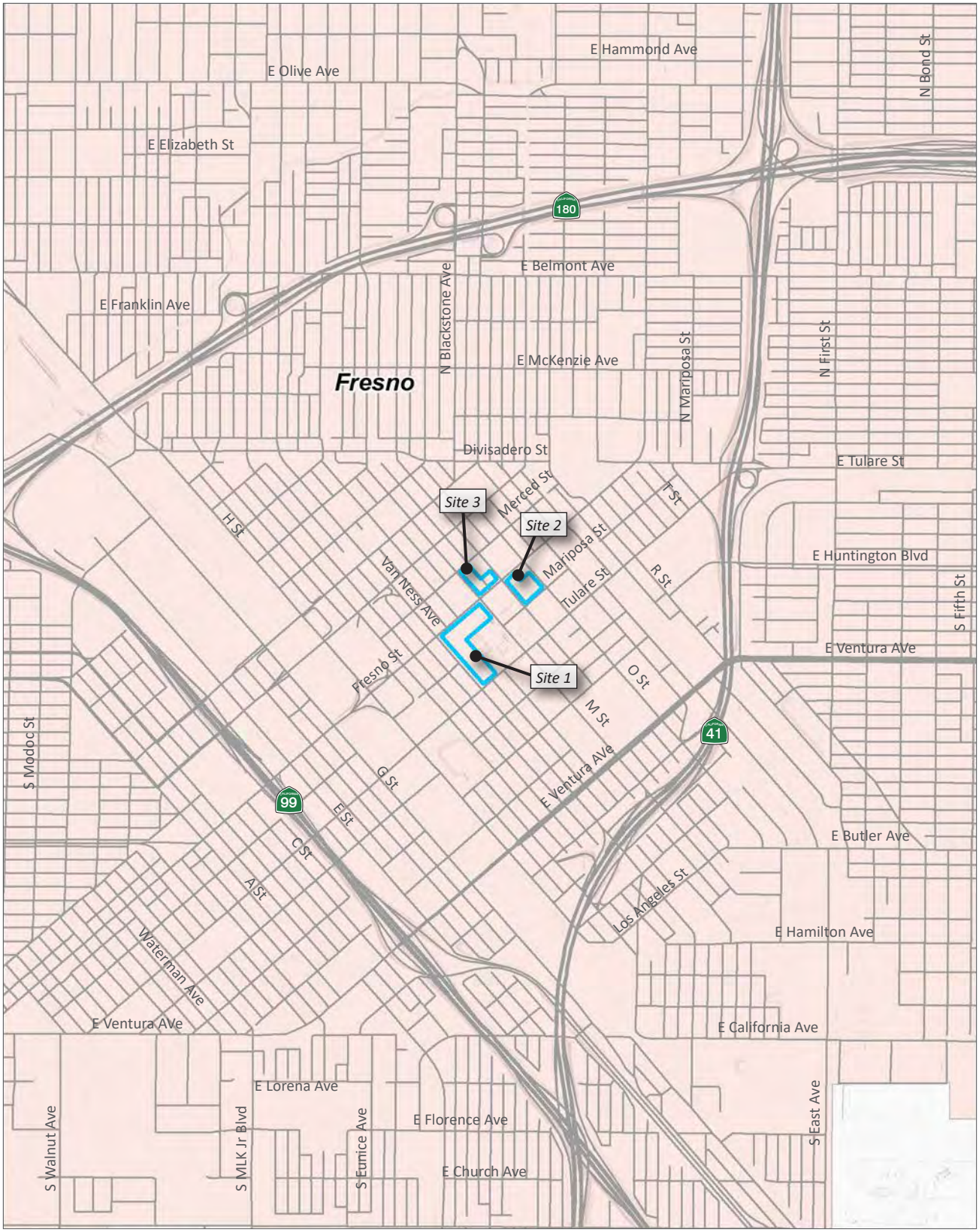


Source: Generated using ArcMap 2023.

0 3
Scale (Miles)

Note: Unincorporated county areas are shown in white.

Figure 1
Regional Location



Source: Generated using ArcMap 2023.

0 2,000
Scale (Feet)

Project Sites

Note: Unincorporated county areas are shown in white.

Figure 2
Local Vicinity



Source: Nearmap 2023.

0 300
Scale (Feet)

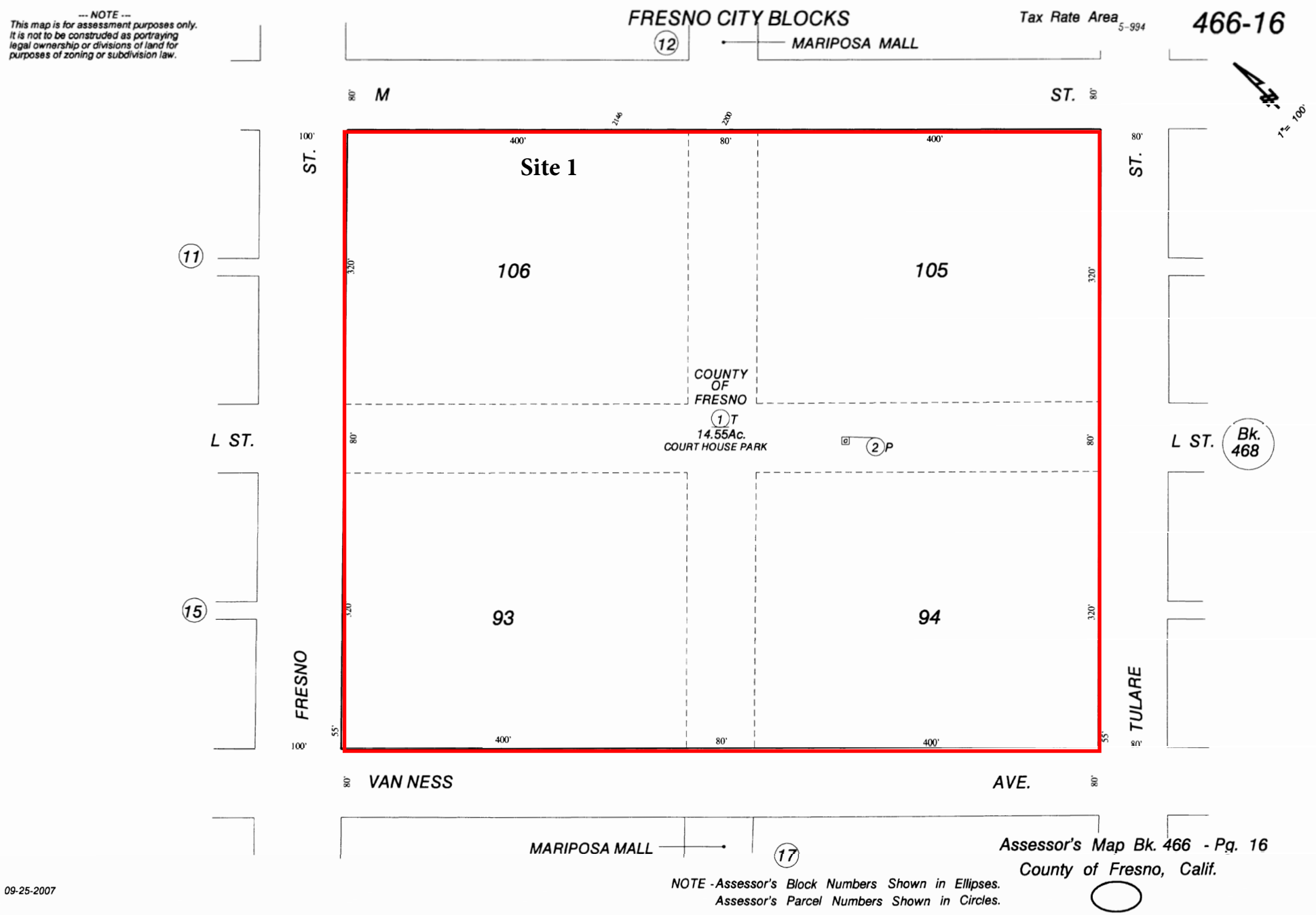
Project Sites

Figure 3
Aerial Photograph

Appendix A. Research Documentation

Appendix

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--- NOTE ---
This map is for assessment purposes only.
It is not to be construded as portraying
legal ownership or divisions of land for
purposes of zoning or subdivision law.
FRESNO CITY BLOCKS
Tax Rate Area 5-994
466-16
12
MARIPOSA MALL
M
ST.
80'
100'
2146
220
400'
80'
Site 1
106
105
320'
COUNTY
OF
FRESNO
1 T
14.55Ac.
COURT HOUSE PARK
2 P
11
L ST.
Bk.
468
15
93
94
55'
FRESNO
TULARE
VAN NESS
AVE.
MARIPOSA MALL
17
1"= 100'
09-25-2007
NOTE - Assessor's Block Numbers Shown in Ellipses.
Assessor's Parcel Numbers Shown in Circles.
Assessor's Map Bk. 466 - Pg. 16
County of Fresno, Calif.


LIMITS OF SITE 1 INVESTIGATION
EXISTING BUILDINGS TO BE REMOVED WITHIN LIMIT LINE, TYP.
EXISTING BUILDINGS TO REMAIN OUTSIDE LIMIT LINE, TYP.
Aladdin Bail Bonds
Fresno County Jail
Sinclair
Eaton Plaza
Brown Legal - Immigration Firm
Fresno Police Department
Fresno County Public Library
South Annex Jail
Wells Fargo Bank
Kocky's Bar and Grill
Chicken King
Chicken
Subway
Sandwich • $
Educational Employees Credit Union - EECU...
Fresno County Superior Court
Hall Of Records
Courthouse Park
Fresno County Superintendent
Yarra, Rivas & Associates
Fresno County Child Support
Fresno County Clerk
Sawl Law Group
The Chicken Shack Fresno
Libelula
Quail State
Los Panchos Mexican Restaurant and Cantina
GG's Food Factory
Mediterranean • $
Merced St
Fresno St
L St
M St
N St
Van Ness Ave
Tulare St
Mariposa St
Fulton St
Congo Alley
Kern St

Appendix D. Questionnaires

PLACEWORKS

Environmental Site Assessment Questionnaire for Owner

The following information is requested to evaluate the potential for environmentally-related impacts and property contamination. This questionnaire is to be completed by the owner of the property, or its authorized representative.

PART I

1.	Project description: The Client requested the preparation of a Phase I Environmental Site Assessment (ESA) as part of its due diligence responsibilities for the proposed project. The project site includes portions of three city blocks, referred to as Site 1, Site 2, and Site 3, in downtown Fresno, California.
2.	Property address(es) and Assessor Parcel Number(s) (APN): The project site is located along Fresno Street between Van Ness Avenue and O Street. Site 1 is an L-shaped 7.6-acre portion of the 13.94-acre Courthouse Park parcel located at 2200 Fresno Street and identified with Assessor Parcel Number 466-16-001T which includes underground parking, the South Annex Jail and a Fresno County Sheriff's Department office building. Site 2 is an approximately 2.3-acre portion of the 2.51-acre Eaton Plaza property located at 2400 Fresno Street which includes Assessor Parcel Number 466-09-305T, and Site 3 is an approximately 2.0-acre portion of the 2.96-acre Greater Fresno Area Chamber of Commerce/Office Buildings parcel which includes Assessor Parcel Numbers 466-113-03, 466-113-06, 466-113-07, and 466-113-08.
3.	Current property owner (name, address, telephone number): Fresno County is the owner for Site 1. The owners for Site 3 are not yet identified.
4.	Current property development/improvements: Site 1 is developed with Courthouse Park, underground parking, the South Annex Jail and a Fresno County Sheriff's Department office building. Site 2 is developed with a parking lot, and Site 3 is developed with office buildings.
5.	Date(s) of current property development/improvements: Site 1 appeared to have the current development in place by 1970 based on a review of Sanborn maps and aerial photographs. The Sheriff's building was built in 1969, the Jail in 1942 with the annex built in 1960, and the underground parking was in place by 1967. Site 2 appeared to have the current development in place by 1970. Site 3 appeared to have the current configuration by 2006, with the office buildings along M Street noted in the 1970 Sanborn map, and the Chamber of Commerce building apparent in the 2006 aerial photograph.
6.	Past property use, development/improvements: Site 1 was labeled as Courthouse Square as early as 1888, with a park on most of the site since then. Site 2 formerly had a used car dealership, a flour mill and warehouse, a First Christian Church, and residential development going back to at least 1888. Site 3 formerly had a St. James Episcopal Church, auto repair shops, and residential development including three domestic water wells going back to at least 1888.
7.	Neighboring property uses: The Fresno Water Tower, Veterans Memorial Museum, Fresno County Jail, a Bureau of Reclamation office building, a methadone clinic, the Crocker Building, a Wells Fargo, and the Fresno County Jail are located north of the site. Office buildings are located west and east of the site. The Fresno County Public Library, office buildings, Fresno County Superior Court building, and Fresno County Hall of Records building are located south of the site.

PLACEWORKS

PART II

1. Are you aware of any environmental cleanup liens against the property that are filed under federal, tribal, local or state law?	Yes	**No**
2. Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded in a registry under federal, tribal, state or local law?	**Yes**	No
3. Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the *property* or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	**Yes**	No
4. Are you aware of any commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, (a) do you know of specific chemicals that are present at the *property*? (b) do you know of spills or other chemical releases that have taken place at the *property*? (c) do you know of any environmental cleanups that have taken place at the *property*?	**Yes**	No
5. Based on your knowledge and experience related to the *property*, are there any obvious indicators that point to the presence or likely presence of contamination at the *property*?	Yes	**No**
6. If a property transaction is occurring in conjunction with this environmental assessment, does the purchase price of this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?	**Yes**	No
7. Are you aware of any past or present above ground or underground storage tanks on the *property*? To your knowledge, has there ever been any hazardous substances or wastes stored on the *property*?	**Yes**	No

If a "Yes" response was provided to Questions 1 – 5 or a "No" response was provided to Question 6, please provide details below:

2. There are some land-use restrictions regarding the jail portions of the property, though as the West Annex Jail comes online, the County plans to wind down all jail operations on the South Annex jail. That will allow the County to end any jail-related limitations on the site.

3. The County operates the jail to the north of the property and several of the office the office buildings nearby, including the Hall of Records and the Crocker building. There are no operations that utilize chemicals or processes that that would be of concern at those sites.

4 & 6. There is an underground gasoline tank fueling County vehicles in the B1 parking area. There is also a diesel tank servicing the generator for the Sheriff's Administration building. Both are currently in use and are actively maintained. There are also generators for two other buildings in the parking structure, but outside of the delineated area, one for the courthouse and another for the Hall of Records. These both have integrated belly fuel tanks. The County is responsible for maintaining the Hall of Records tank while the courts are responsible for the other. Additionally, due to the age of the buildings, we would expect that some of the construction materials of the South Jail and the Sheriff's Administration Building would contain some lead and

asbestos, but nothing that would qualify as a spill or that would have required a cleanup operation on the property.

I certify that the information provided herein is true and correct to the best of my knowledge as of the date signed below.

Name (Printed/Typed): Christopher L Jones

Signature: _____ Date: 7·14·2023

PLACEWORKS

PART II

1.	Are you aware of any environmental cleanup liens against the property that are filed under federal, tribal, local or state law?	Yes (No)
2.	Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded in a registry under federal, tribal, state or local law?	Yes (No)
3.	Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the *property* or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	Yes (No)
4.	Are you aware of any commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, (a) do you know of specific chemicals that are present at the *property?* (b) do you know of spills or other chemical releases that have taken place at the *property?* (c) do you know of any environmental cleanups that have taken place at the *property?*	Yes (No)
5.	Based on your knowledge and experience related to the *property*, are there any obvious indicators that point to the presence or likely presence of contamination at the *property?*	Yes (No)
6.	If a property transaction is occurring in conjunction with this environmental assessment, does the purchase price of this *property* reasonably reflect the fair market value of the *property?* If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property?*	~~Yes~~ ~~No~~ N/A
7.	Are you aware of any past or present above ground or underground storage tanks on the *property*? To your knowledge, has there ever been any hazardous substances or wastes stored on the *property?*	Yes (No)

If a "Yes" response was provided to Questions 1 – 5 or a "No" response was provided to Question 6, please provide details below:

I certify that the information provided herein is true and correct to the best of my knowledge as of the date signed below.

Name (Printed/Typed): Albert W. Ramirez, Member

Signature: _____ Date: 7-13-23

Environmental Site Assessment Questionnaire for Client

The following information is requested to evaluate the potential for environmentally-related impacts and property contamination. This questionnaire is to be completed by the User of the Phase I Environmental Site Assessment, as defined by ASTM E-1527-21, or its authorized representative.

PART I

1. Project description: The Client requested the preparation of a Phase I Environmental Site Assessment (ESA) as part of its due diligence responsibilities for the proposed project. The project site includes portions of three city blocks, referred to as Site 1, Site 2, and Site 3, in downtown Fresno, California.
2. Property address(es) and Assessor Parcel Number(s) (APN): The project site is located along Fresno Street between Van Ness Avenue and O Street. Site 1 is an L-shaped 7.6-acre portion of the 13.94-acre Courthouse Park parcel located at 2200 Fresno Street and identified with Assessor Parcel Number 466-16-001T which includes underground parking, the South Annex Jail and a Fresno County Sheriff's Department office building. Site 2 is an approximately 2.3-acre portion of the 2.51-acre Eaton Plaza property located at 2400 Fresno Street which includes Assessor Parcel Number 466-09-305T, and Site 3 is an approximately 2.0-acre portion of the 2.96-acre Greater Fresno Area Chamber of Commerce/Office Buildings parcel which includes Assessor Parcel Numbers 466-113-03, 466-113-06, 466-113-07, and 466-113-08.
3. Current property owner (name, address, telephone number): Fresno County is the owner for Sites 1 and 2. The owners for Site 3 are not yet identified.
4. Current property development/improvements: Site 1 is developed with Courthouse Park, underground parking, the South Annex Jail and a Fresno County Sheriff's Department office building. Site 2 is developed with a parking lot, and Site 3 is developed with office buildings.
5. Date(s) of current property development/improvements: Site 1 appeared to have the current development in place by 1970 based on a review of Sanborn maps and aerial photographs. The Sheriff's building was built in 1969, the Jail in 1942 with the annex built in 1960, and the underground parking was in place by 1967. Site 2 appeared to have the current development in place by 1970. Site 3 appeared to have the current configuration by 2006, with the office buildings along M Street noted in the 1970 Sanborn map, and the Chamber of Commerce building apparent in the 2006 aerial photograph.
6. Past property use, development/improvements: Site 1 was labeled as Courthouse Square as early as 1888, with a park on most of the site since then. Site 2 formerly had a used car dealership, a flour mill and warehouse, a First Christian Church, and residential development going back to at least 1888. Site 3 formerly had a St. James Episcopal Church, auto repair shops, and residential development including three domestic water wells going back to at least 1888.
7. Neighboring property uses: The Fresno Water Tower, Veterans Memorial Museum, Fresno County Jail, a Bureau of Reclamation office building, a methadone clinic, the Crocker Building, a Wells Fargo, and the Fresno County Jail are located north of the site. Office buildings are located west and east of the site. The Fresno County Public Library, office buildings, Fresno County Superior Court building, and Fresno County Hall of Records building are located south of the site.

PART II

1.	Are you aware of any environmental cleanup liens against the property that are filed under federal, tribal, local or state law?	**Yes**	**No**
2.	Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded in a registry under federal, tribal, state or local law?	**Yes**	**No**
3.	Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the *property* or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	**Yes**	**No**
4.	Are you aware of any commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, (a) do you know of specific chemicals that are present at the *property?* (b) do you know of spills or other chemical releases that have taken place at the *property?* (c) do you know of any environmental cleanups that have taken place at the *property?*	**Yes**	**No**
5.	Based on your knowledge and experience related to the *property*, are there any obvious indicators that point to the presence or likely presence of contamination at the *property?*	**Yes**	**No**
6.	If a property transaction is occurring in conjunction with this environmental assessment, does the purchase price of this *property* reasonably reflect the fair market value of the *property?* If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property?*	**Yes**	**No**
7.	Are you aware of any past or present above ground or underground storage tanks on the *property*? To your knowledge, has there ever been any hazardous substances or wastes stored on the *property?*	**Yes**	**No**

If a "Yes" response was provided to Questions 1 – 5 or a "No" response was provided to Question 6, please provide details below:

I certify that the information provided herein is true and correct to the best of my knowledge as of the date signed below.

Name (Printed/Typed): _____

Signature: _____ Date: _____

Appendix H Phase II Environmental Site Assessment

PHASE II ENVIRONMENTAL SITE ASSESSMENT
JUDICIAL COUNCIL OF CALIFORNIA COURTHOUSE PARK REDEVELOPMENT
2200 FRESNO STREET (SOUTHWEST CORNER OF THE INTERSECTION OF FRESNO AND M STREETS)
FRESNO, CALIFORNIA

Prepared for:

Mr. Craig Roberts
Precision Civil Engineering Inc.
1234 O Street
Fresno, California 93721

Prepared by:

Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, California 93721

March 10, 2026
Revised April 27, 2026

C88004.01

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5.0	INVESTIGATIVE PROCEDURES	2
5.1	Soil Sampling	3
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DRAWINGS

Drawing 1	Soil Boring Locations
Drawing 2	Single Completed Soil Gas Probe Construction Diagram – SG-1 and SG-3
Drawing 3	Single Completed Soil Gas Probe Construction Diagram – SG-2
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Drawing 5	Typical Soil Vapor Sampling Train Schematic

TABLES

Table 1	Soil Analytical Results – TPH and VOCs
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Table 3	Soil Analytical Results – STLC Lead
Table 4	Soil Gas Purge and Sample Times
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APPENDICES

Appendix A	Standard Operation Procedures
Appendix B	Soil Boring Logs
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PHASE II ENVIRONMENTAL SITE ASSESSMENT
JUDICIAL COUNCIL OF CALIFORNIA COURTHOUSE PARK REDEVELOPMENT
2200 FRESNO STREET (SOUTHWEST CORNER OF THE INTERSECTION OF FRESNO AND M STREETS)
FRESNO, CALIFORNIA

1.0 INTRODUCTION

This report presents the results and findings of a Phase II Environmental Site Assessment (Phase II ESA) conducted to assess soil and soil gas conditions at the proposed Judicial Council of California Courthouse Park Redevelopment project located at 2200 Fresno Street in Fresno, California (Subject Property). This investigation was conducted to assess for the presence of petroleum hydrocarbons in subsurface soil and soil gas in the vicinity of the existing gasoline and diesel underground storage tank (UST) locations and assess near surface soil along the footprint of the onsite buildings for the presence of lead.

2.0 BACKGROUND INFORMATION

The Phase II ESA was conducted on an approximately 7.6-acre portion of a larger parcel that totals approximately 13.94-acres, located at 2200 Fresno Street (southwest corner of Fresno Street and M Street), in the city of Fresno, California. The Subject Property was previously identified as Site 1 in the former Phase I Environmental Site Assessment (Phase I) report. Drawing 1 depicts the Subject Property boundary. The parcel is associated with the Fresno County assessor's number 466-16-001T, which includes underground parking, the South Annex Jail and a Fresno County Sheriff Department building. Based on the information provided, Judicial Counsel of California (JCC) is looking to redevelop the Subject Property with a new Courthouse Park (judicial buildings, jail, and Fresno County Sherriff's offices).

Per the Regional Water Quality Control Board's Geotracker database, the Subject Property is part of a closed case. *In July 1990, at the Subject Property, an underground storage tank (UST), previously installed in a below ground concrete vault, was removed and replaced. Soil samples collected from three locations beneath the removed fill and venting piping contained total petroleum hydrocarbons as gasoline (TPHg) concentrations up to 3,700 milligrams per kilogram (mg/kg), and ethylbenzene, and xylenes, but no benzene or toluene. A soil assessment conducted in August 2006 determined that the TPHg did not migrate to 10 feet below ground surface (bgs). In September 2007, additional work discovered TPHg concentrations of 9,700 mg/kg, toluene at 29 mg/kg, ethylbenzene at 88 mg/kg. Groundwater is estimated to be more than 100 feet beneath the Subject Property and is not threatened by the small quantity of petroleum hydrocarbons remaining in the soils. The Central Valley Region Regional Water Control Board (CVRRWQCB) concluded the release is unlikely to pose a risk to human health, the environment, or groundwater. Dermal contact with hydrocarbons is unlikely, since the Subject Property is paved. The gasoline hydrocarbons remaining in the soil are expected to be degraded by natural attenuation. The CERRWQCB recommended a Standard UST Closure Letter be mailed to the responsible party*.

A subsequent Phase I ESA was completed by PlaceWorks, dated July 2023. The Phase I ESA is summarized below:

PlaceWorks completed a Phase I ESA on select properties, including the Subject Property, for Judicial Council of California. PlaceWorks identified two Recognized Environmental Conditions (RECs) associated with the Subject Property (Site 1) associated with two USTs on the property; one (1) 10,000-gallon gasoline UST and one (1) diesel UST of an undetermined size. Additionally, one Historical Recognized Environmental Conditions (HREC) was identified on the Subject Property in association with the upgrade of the existing 10,000-gallon UST (previously discussed). The Phase I ESA also identified a Business Risk associated with the age of the buildings; due to the age of the buildings, the potential exists for residual lead from lead-based paint to be present in near surface soils around the edge of the buildings.

3.0 PURPOSE OF INVESTIGATION

The purpose of this Phase II investigation was to assess for the presence of petroleum hydrocarbons in subsurface soil and soil gas in the vicinity of the existing gasoline and diesel underground storage tank (UST) locations and assess near surface soil along the footprint of the onsite buildings for the presence of lead. Information obtained from this investigation was intended to provide an initial screening to determine if contaminants of concern are present in the sampled media at concentrations that could affect human health that may require mitigation and/or special handling or disposal as part of the proposed project.

4.0 SCOPE

The scope of this Phase II ESA included the following:

- Advanced six (6) soil borings to varying depths of up to 25 feet and collected soil samples for analysis of total petroleum hydrocarbons as gasoline (TPHg), diesel (TPHd), and motor oil (TPHmo) by EPA Method 8015M, VOCs by EPA Method 8260B, and LUFT 5 Metals (cadmium, lead, nickel, chromium, and zinc) by EPA Method 6010B;
- Collected twenty-five (25) surface soil samples along the footprint of the onsite buildings for analysis of lead;
- Installed and sampled five (5) temporary soil gas wells for analysis of TPH and VOCs;
- The field and analytical data were evaluated to assess if a release of petroleum hydrocarbons or select metals have occurred at the Subject Property; and
- Prepared this report to present our procedures, findings, conclusions, and recommendations.

5.0 INVESTIGATIVE PROCEDURES

This investigation consisted of a field exploration, a laboratory testing program, analysis of our findings, and preparation of this report.

5.1 Soil Sampling

The work and field activities were intended to be consistent with standard of practice for soil investigation activities conducted in California and as outlined in American Standard Test Method (ASTM) E1903-19. The investigative procedures related to this assessment are summarized below and generally are consistent with Moore Twining's Standard Operating Procedures (SOPs). The SOPs applicable to the work performed are included in Appendix A.

To evaluate current subsurface soil conditions, six (6) soil borings (E-1 through E-6) and five (5) soil gas wells (SG-1 through SG-5) were drilled at the Subject Property to depths of up to 25 feet below site grade (bsg) in the area of the existing USTs and associated product lines as depicted on Drawing 1 of this report.

The drilling activities were performed under the direction of a California registered Professional Geologist. The 25-foot depth soil borings (E-1, E-3, E-4, E-5, and E-6) and the dual-completed soil gas wells (SG-4 and SG-5) were drilled using Moore Twining's CME 75 mobile drill rig equipped with hollow stem auger. During drilling of these soil borings, soil samples were collected at a minimum of 5-foot intervals starting at 5 feet using an 18-inch long, 2-inch diameter standard, split spoon sampler lined with three stainless-steel sleeves. Upon retrieval of the soil sampler, the bottom sleeve was preserved in the field for laboratory testing. Prior to field preservation, sub-cores of soil were collected from the soil sleeves utilizing Encore sampling devices per EPA Method 5035 and preserved in the field for laboratory testing. The content of the middle sleeve was field screened for the presence of contamination and used to describe the soil.

A standard hand auger device was used to drill and sample soil boring E-2 (total depth of 20 feet bsg) and soil gas probes SG-1, SG-2, and SG-3 (total depths of up to 15 feet bsg). Soil samples were collected from these borings by driving stainless-steel sample sleeves into undisturbed soil at the target depth of the augered hole utilizing a slide hammer.

During drilling activities, soil samples were field screened for evidence of petroleum hydrocarbons. Field screening procedures included observation of the soil for lithologic data, odor, and unusual staining. Soil descriptions and the results of the field screening were logged on a field boring log consistent with the Unified Soil Classification System (USCS). The soil boring logs for borings E-1 through E-6 and soil gas probes SG-1 through SG-5 are included in Appendix B of this report. Generally, as described on the boring logs, no hydrocarbon odors or staining were noted from the borings drilled during this investigation. Following completion of the soil sampling, the borings not used for placement of soil gas probes were backfilled with neat cement and patched to match existing surface.

The soil samples were temporarily stored in a properly chilled ice chest with artificial ice and transported to Moore Twining's laboratory under chain-of-custody documentation. Moore Twining is a California Department of Health Services certified hazardous waste laboratory (Certificate No. 1371) for the analysis outlined herein. Selected soil samples collected from soil borings E-1 through E-6 and soil gas probes SG-1 through SG-5 were analyzed in the laboratory for TPHg, TPHd, and TPHmo by EPA Method 8015M, VOCs by EPA Method 8260B, and LUFT 5 Metals (cadmium, lead, nickel, chromium, and zinc) by EPA Method 6010B.

5.2 Soil Gas Probe Installation and Sampling

Five temporary soil gas probes (SG-1, SG-2, SG-3, SG-4, and SG-5) were installed on the property as shown on Drawing 1. Soil gas probes SG-1, SG-2, and SG-3 were single completed to a depth of approximately 10 to 15 feet bsg utilizing a 3-inch diameter hand auger to create each boring. Please note that soil gas probe SG-2 was located near the bottom of the ramp entering the basement garage, thus this well was completed to a depth of 15 feet below the basement grade which represents approximately 25 feet below site grade at the diesel UST location. Upon reaching total depth, the single completed soil gas probes were constructed by installing a 1-inch long porous stainless-steel implant (filtration rating of 50 microns) centered within a 1-foot long filter pack composed of No. 2/12 clean sand. Prior to installation, the probes were attached to ¼-diameter Teflon tubing and set at a depth of 9.5 feet bsg for SG-1 and SG-3 and a depth of approximately 14.5 feet below basement grade at SG-2 location. Following installation of the probes and filter pack, a 1-foot long transition seal composed of dry granular bentonite were installed and a surface seal of neat cement were installed to near surface grade. Single completed soil gas probe construction diagrams are included as Drawings 2 and 3.

Soil gas probes SG-4 and SG-5 were dual completed to target depths of 10 and 25 feet below site grade. The nested soil gas probes were installed by drilling to a depth of 25 feet bsg utilizing our CME 75 mobile drill rig equipped with 4-inch diameter solid flight auger. After the borings were drilled, the deeper soil gas probes were constructed of 1/4-inch diameter Teflon tubing with stainless steel tips attached to the bottom end of the tubing and then placed at depths of approximately 24.5 feet bsg. A filter pack, consisting of No. 2/12 clean sand was placed between the depths of 24 and 25 feet bsg opposite the stainless-steel tip. One- foot thick dry granular bentonite seals were installed above the filter pack from a depth interval of 23 feet to 24 feet bgs which was subsequently sealed with neat cement to a depth of 10 feet bgs. The shallow soil gas probes were then placed at depths of approximately 9.5 feet bsg. A filter pack, consisting of No. 2/12 clean sand, will be placed between the depths of 9 and 10 feet bsg opposite the stainless-steel tip. One-foot thick dry granular bentonite seals were installed above the filter pack from 8 to 9 feet bgs which was subsequently sealed with neat cement to the surface. A dual completed soil gas probe construction diagram is included as Drawing 4.

Following installation, the soil gas probe tubing was capped and allowed to equilibrate a minimum of 48 hours prior to sample collection. The samples were collected in accordance with methodologies outlined in the California Department of Toxic Substances Control's (DTSC) June 2015 *Advisory - Active Soil Gas Investigations.*

Prior to purging each probe, a vapor-tight valve was connected to the vapor probe tubing, a laboratory-supplied flow regulator rated at between 100 and 150 milliliters per minute was attached to the valve with ¼-inch diameter tubing and a 1-liter sample Summa canister was attached to the flow regulator for sample collection. A vapor-tight valve was then connected to the down-hole side of the regulator and the sample collection apparatus was tested for tightness by opening and closing the purge valve to perform a "shut-in test". As part of the shut-in test, the vacuum gauges on the sample tee was monitored for 5 minutes to assess if any leaks exist in the sample train. If the gauge vacuum could not be maintained for a minimum of 5 minutes, the sample train was evaluated, and leaks were repaired and/or a new sample train was used.

Each vapor probe was purged by attaching a laboratory-supplied purge Summa canister to the flow regulator and a minimum of three (3) tubing/filter pack pore space/casing volumes were purged prior to sampling. Following purging, the purge valve was closed on the flow regulator and the sample container valve was opened and a rigid shroud placed over the sample apparatus. A tracer compound, 90% isopropyl alcohol (IPA tracer gas), was placed in a container set inside the shroud to create a tracer gas atmosphere. The shroud atmosphere was monitored using a PID to confirm the presence of the IPA tracer gas. The technician attempted to maintain detectable IPA concentrations within the shroud of approximately 10 parts per million (ppm) or greater as measured with a PID. The vapor samples were analyzed for IPA by EPA Method TO-15 to determine if the samples had been compromised by surface air during the sampling event. Soil vapor sampling data (purge time, sample time, etc.) are summarized in Table 4. A typical soil vapor sampling apparatus diagram is presented on Drawing 5. One outdoor air sample identified as OA-1 was collected during the sampling of soil gas well SG-1 to assess background outdoor air quality.

Following sample collection, the sample valve was closed once the pressure gauge indicated a pressure of minus 3 to 5 inches of mercury remained within the sample container. Vapor sample collection times were recorded during sample collection. The flow regulator was then removed from the sample container, the sample inlet capped with the laboratory supplied threaded cap and the samples were labeled. The collected vapor samples were shipped under chain-of-custody documentation to Environmental Analytical Services, Inc. (EAS), a California-state certified analytical laboratory located in San Luis Obispo, California. The soil vapor samples were analyzed for VOCs, TPHg or TPHd, and the tracer gas IPA using EPA Method TO-15. After completion of the sampling, the Teflon tubing was pulled from each sample location and the surface was finished to match surrounding surface areas.

6.0 RESULTS AND FINDINGS

Soil and soil gas sample analytical results are included in Tables 1, 2, 3 and 5 of this report. Included in these table are published screening levels modified for California to assess human health risk. The soil sample laboratory analytical report and chain-of-custody documentation are included in Appendix C of this report.

As summarized in Table 1, soil sample analytical results revealed no detectible concentrations of TPH and VOCs in the subsurface soil samples analyzed from the Subject Property except for negligible concentrations of TPHmo, toluene, and methylene chloride. These detected concentrations did not exceed their respective residential or commercial/industrial human health screening levels and are therefore considered a low threat to human health and the environment.

As depicted in Table 2, no heavy metal analyzed exceeded their respective residential or commercial/industrial human health screening levels and are therefore considered a low threat to human health and the environment. Additionally, no heavy metal analyzed exceeded their respective total threshold limit concentration (TTLC) nor 10 times their respective soluble threshold limit concentration (STLC trigger concentration) for hazardous waste soil classification (for disposal purposes) except for lead at two (2) surface soil sample locations along the buildings (sample L7 and L21). As indicated in Table 2, the lead concentration at sample location L7 (70 mg/kg) and L21 (53 mg/kg) exceeded 10 times the soluble threshold limit concentration (STLC trigger concentration of 50 mg/kg) for waste soil disposal characterization. As such, these samples were analyzed for STLC lead utilizing the California Waste

Extraction Test. Results of the STLC lead for these samples are included in Table 3. Reported STLC lead concentrations for sample location L7 and L21 were 4.2 milligrams per liter (mg/L) and 3.7 mg/L, respectively, which are below the hazardous waste STLC screening criteria for lead of 5 mg/L.

As depicted in Table 3, soil gas sample analytical results reported detectable concentrations of seventeen (17) VOCs, two (2) of which had detectable concentrations exceeding residential screening levels (benzene had detectable concentrations ranging from 2.46 micrograms per cubic meter [µg/m^3] to 13.8 µg/m^3 and chloroform has detectable concentrations ranging from 1.60 µg/m^3 to 6.18 µg/m^3). No VOCs were detected at concentrations above a commercial screening level. Concentrations of TPHg and/or TPHd were detected below both residential and commercial screening levels. The concentrations of benzene detected in outdoor air (3.77 µg/m^3) were generally similar to the benzene concentrations detected from the soil gas samples collected at the site except for soil gas well SG4 at a depth of 25 feet (located near the diesel UST location).

As depicted in Table 3, the tracer gas 2-propanol (IPA) was not detected in the soil gas samples collected except at well location SG-4 at a depth of 25 feet which reported a concentration of 5.9 µg/m^3. This detected concentration of tracer gas was below 0.01 percent of the concentration measured inside the shroud during sampling (Table 4). As such, the tracer gas analytical results indicate that the sample trains were not significantly compromised during sampling.

7.0 CONCLUSIONS

A total of eleven (11) soil borings were drilled to maximum depths of 25 feet bsg in the vicinity of the fuel USTs and reported product line locations at the Subject Property. As noted on the boring logs, no field evidence of petroleum hydrocarbons were observed during drilling activities. Soil sample analytical results revealed no detectible concentrations of TPH or VOCs, except for negligible concentrations of TPHmo, toluene, and methylene chloride below their respective residential and commercial/industrial human health screening levels and are therefore considered a low threat to human health and the environment. No heavy metal analyzed from the soil samples collected exceeded their respective residential or commercial/industrial human health screening levels nor hazardous waste screening criteria and are therefore considered a low threat to human health and the environment.

As depicted in Table 3, concentrations of TPHg and/or TPHd in soil gas were detected below both residential and commercial screening levels and are therefore considered a low threat to human health and environment. Soil gas sample analytical results reported detectable concentrations of seventeen (17) VOCs, two (2) of which had concentrations exceeding residential screening levels (benzene and chloroform) but were below commercial screening levels. Chloroform is often associated with volatilization from chlorinated drinking water and is likely not associated with a fuel release at the site. The concentrations of benzene detected in outdoor air were generally similar to the benzene concentrations detected from the soil gas samples collected at the site except for soil gas well SG4 at a depth of 25 feet bsg (located near the diesel UST location). No VOCs were detected in soil gas at concentrations above a commercial screening level and are therefore considered a low threat to human health and environment for the proposed commercial property use. Commercial property can be defined as property used for business, profit, or public use such as government office buildings, courthouses, and police stations.

Based on the findings of this investigation, no significant releases of fuel were found in the areas sampled during this investigation that would present an elevated risk to human health and environment for the proposed property use (commercial). Additional environmental assessments for the areas investigated are not warranted at this time.

8.0 LIMITATIONS

The scope of the investigation was intended to be an interactive process. The purpose of an environmental assessment is to reasonably characterize existing Subject Property conditions based on the available data. In performing such a study, it is understood that a balance must be struck between a reasonable inquiry into the Subject Property conditions and an exhaustive analysis of each conceivable environmental characteristic.

Conditions of interest may exist at the Subject Property that could not be identified by visual observations and the scope of the work performed as part of this investigation. Where subsurface exploratory work was performed, our professional opinions were based in part on interpretation of data from discrete sampling locations that may not represent actual conditions or un-sampled locations. If conditions of interest were not identified during performance of the work, such a finding should not be construed as a guarantee that such conditions do not exist at the Subject Property.

This work was conducted in accordance with generally accepted engineering principles and practices at the time the work was performed. This warranty is in lieu of all other warranties, either expressed or implied. This report was prepared for the sole use of the client and appropriate regulatory agencies. Any reliance on this report by a third party is at such party's sole risk.

9.0 CLOSING

Moore Twining appreciates the opportunity to be of service to you on this project. If you should have any questions, please do not hesitate to contact our office at (800) 268-7021.

Sincerely,

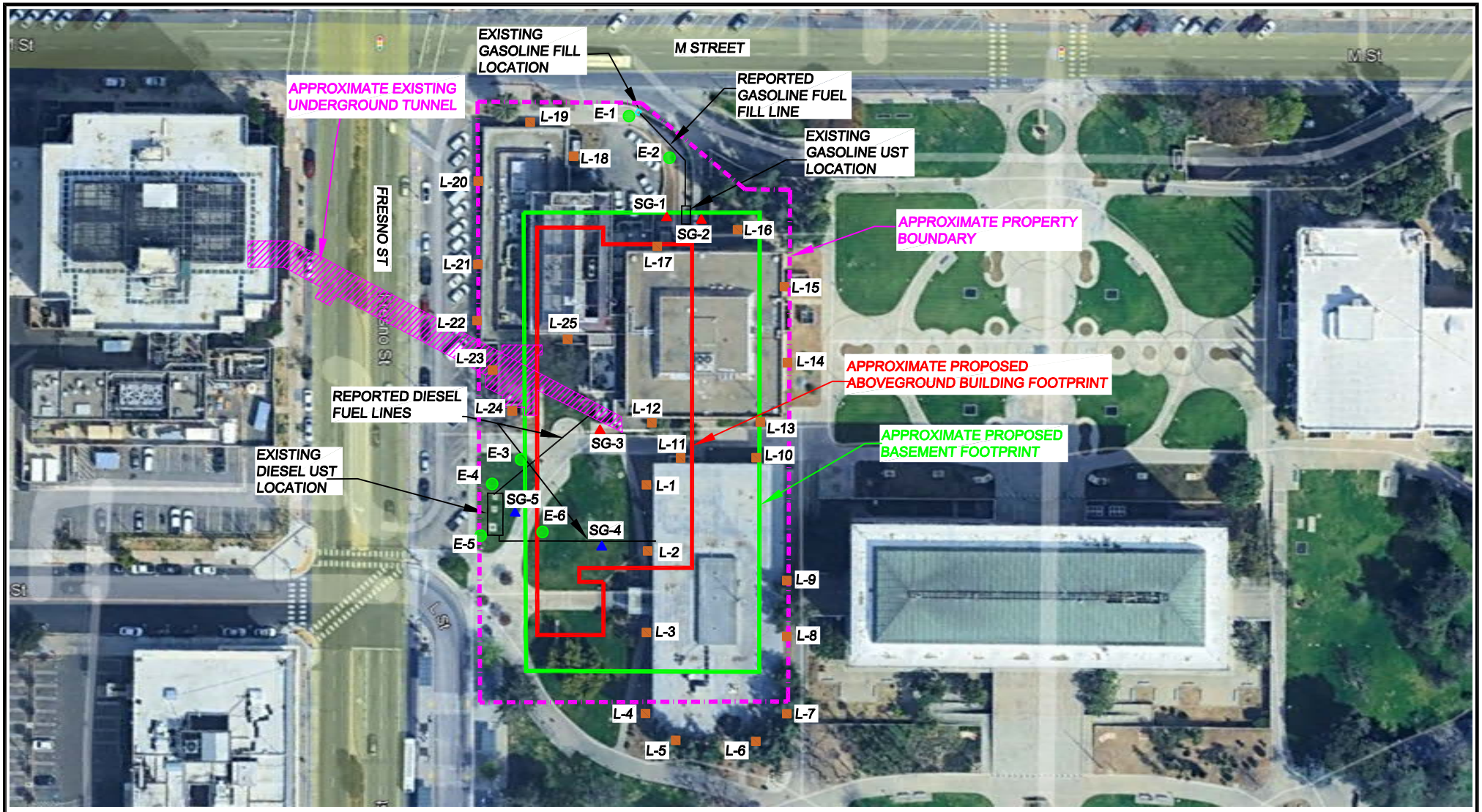
MOORE TWINING ASSOCIATES, INC
Environmental Services Division





Keith Mayes, PG 7555
Environmental Division Manager

DRAWINGS



- SOIL BORING LOCATION
- DUAL COMPLETED SOIL GAS WELL LOCATION
- SINGLE COMPLETED SOIL GAS WELL LOCATION
- SURFACE SOIL SAMPLE LOCATION FOR LEAD

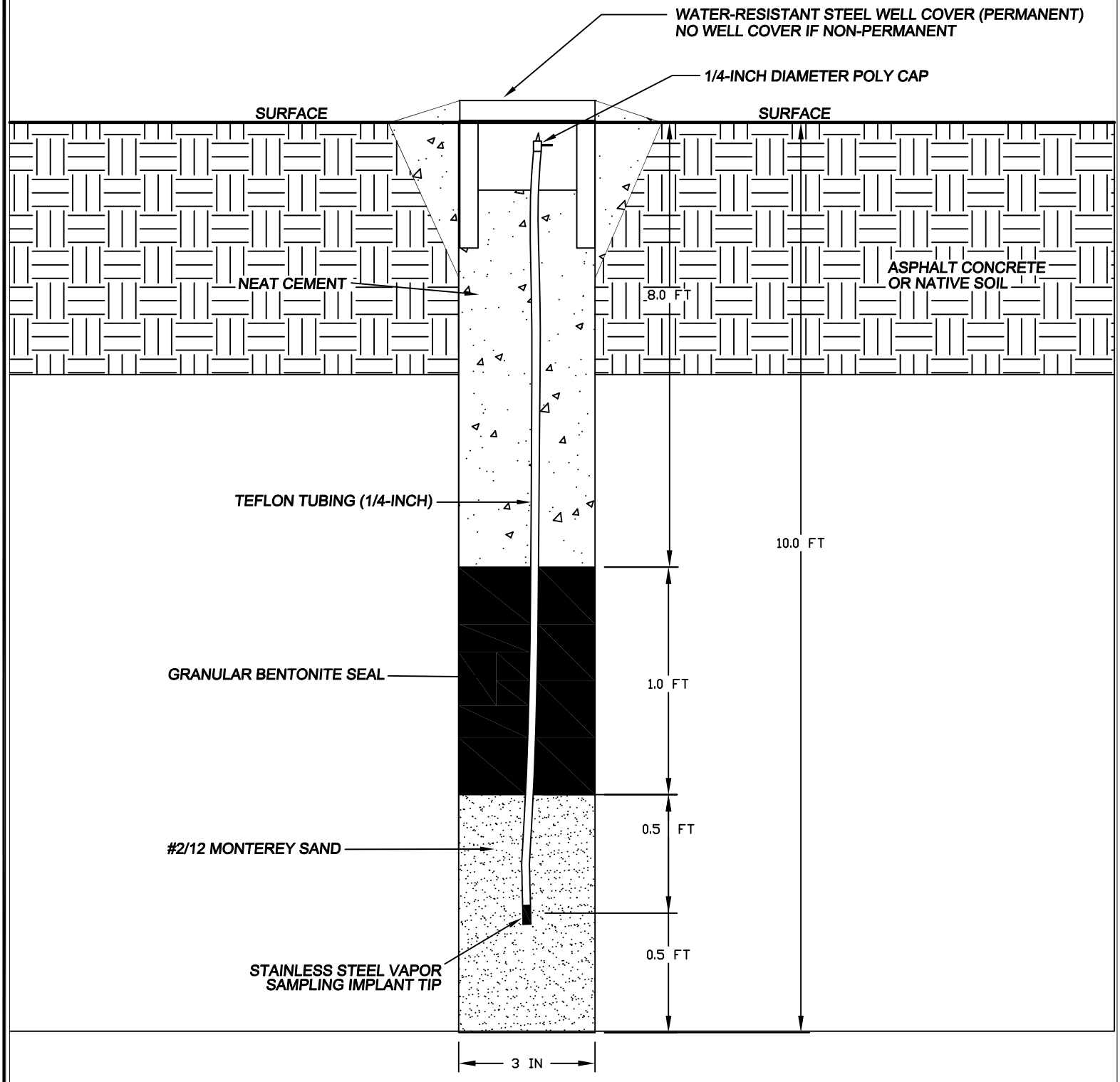
N
PROJECT NORTH
0 100
APPROXIMATE SCALE IN FEET

PHASE II INVESTIGATION SAMPLE LOCATIONS
COURTHOUSE SITE PLAN OPTION 1A - COURTHOUSE PARK
SOUTHEAST OF FRESNO STREET BETWEEN M STREET AND VAN NESS AVENUE
FRESNO, CALIFORNIA

FILE NO. 88004-01-02	DATE DRAWN: 12/3/25
DRAWN BY: KLM	REVISED DATE: 4/27/26
PROJECT NO. C88004.01-01	DRAWING NO. 1

MOORE TWINING ASSOCIATES, INC.
Since 1898

SOIL GAS MONITORING WELL CONSTRUCTION DIAGRAM
SG-1 AND SG-3



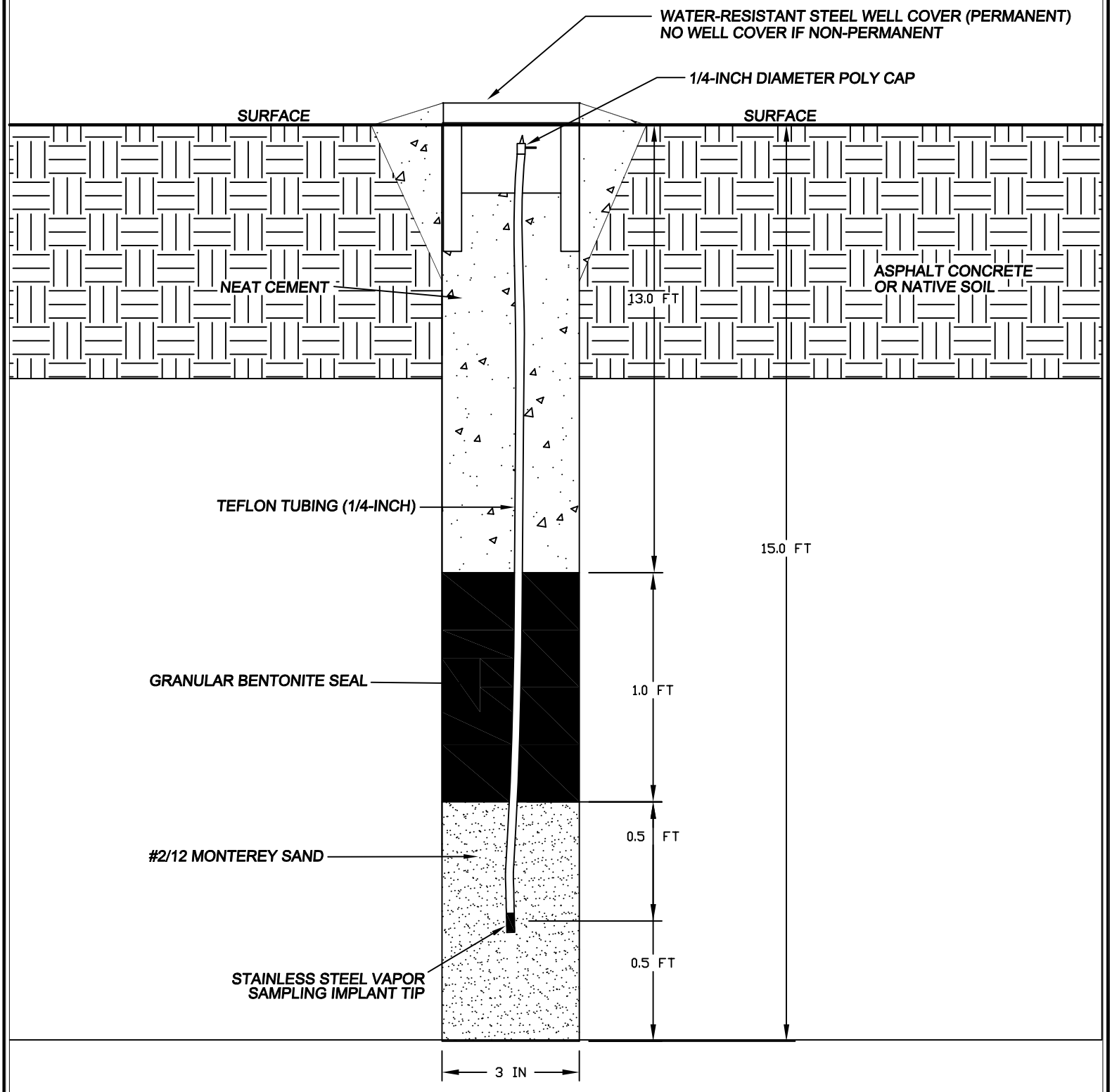
NOT TO SCALE

SOIL GAS MONITORING WELL CONSTRUCTION DIAGRAM
SG-1 AND SG-3
COURTHOUSE SITE PLAN OPTION 1A - COURTHOUSE PARK
SOUTHEAST OF FRESNO STREET BETWEEN M STREET AND VAN NESS AVENUE
FRESNO, CALIFORNIA

FILE NO. C88004.01	DATE DRAWN: 1/6/26
DRAWN BY: KLM	APPROVED BY:
PROJECT NO. C88004.01	DRAWING NO. 2

MOORE TWINING ASSOCIATES, INC.

SOIL GAS MONITORING WELL CONSTRUCTION DIAGRAM
SG-2



NOT TO SCALE

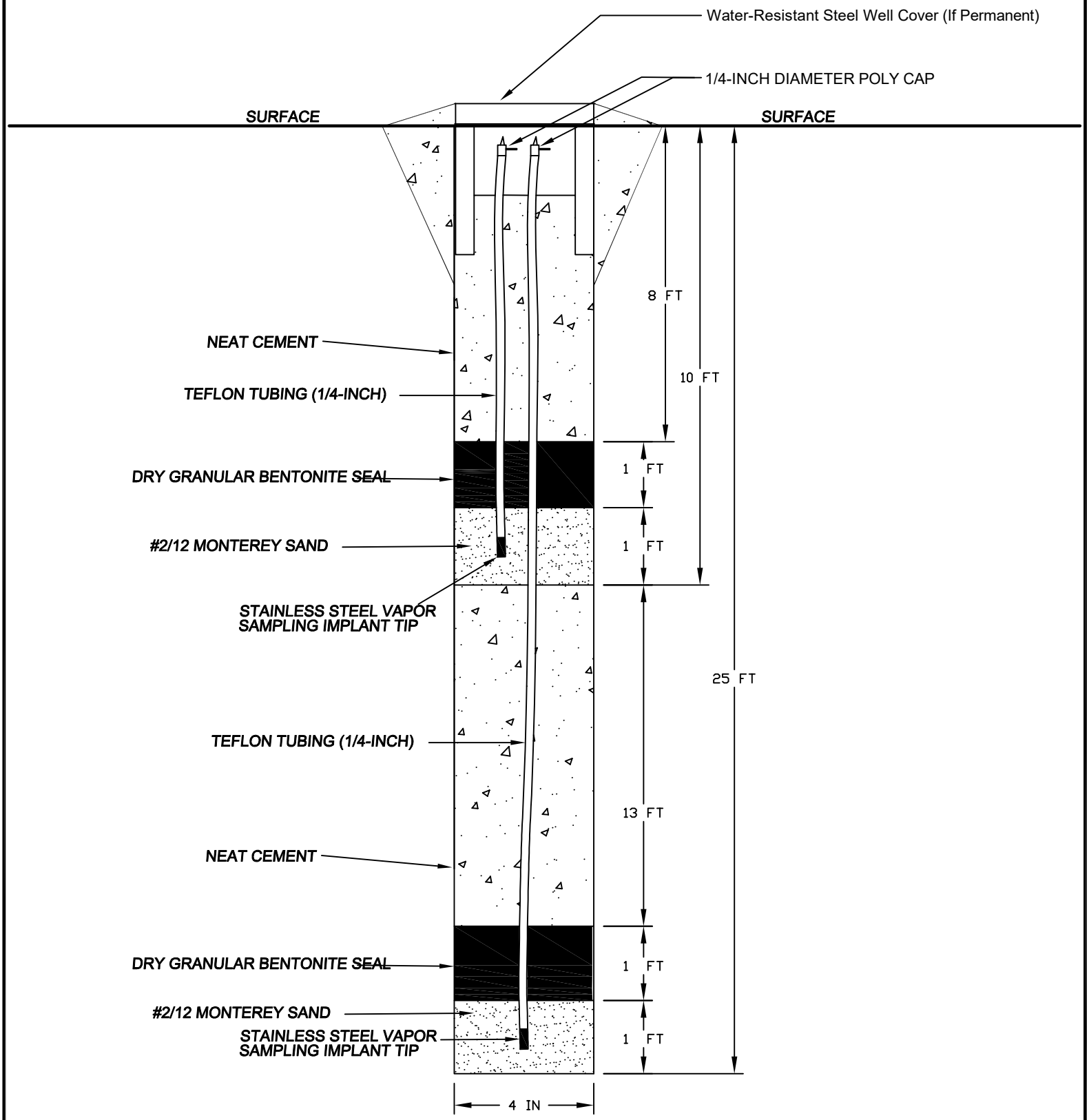
SOIL GAS MONITORING WELL CONSTRUCTION DIAGRAM
SG-2
COURTHOUSE SITE PLAN OPTION 1A - COURTHOUSE PARK
SOUTHEAST OF FRESNO STREET BETWEEN M STREET AND VAN NESS AVENUE
FRESNO, CALIFORNIA

FILE NO. C88004.01	DATE DRAWN: 1/6/26
DRAWN BY: KLM	APPROVED BY:
PROJECT NO. C88004.01	DRAWING NO. 3

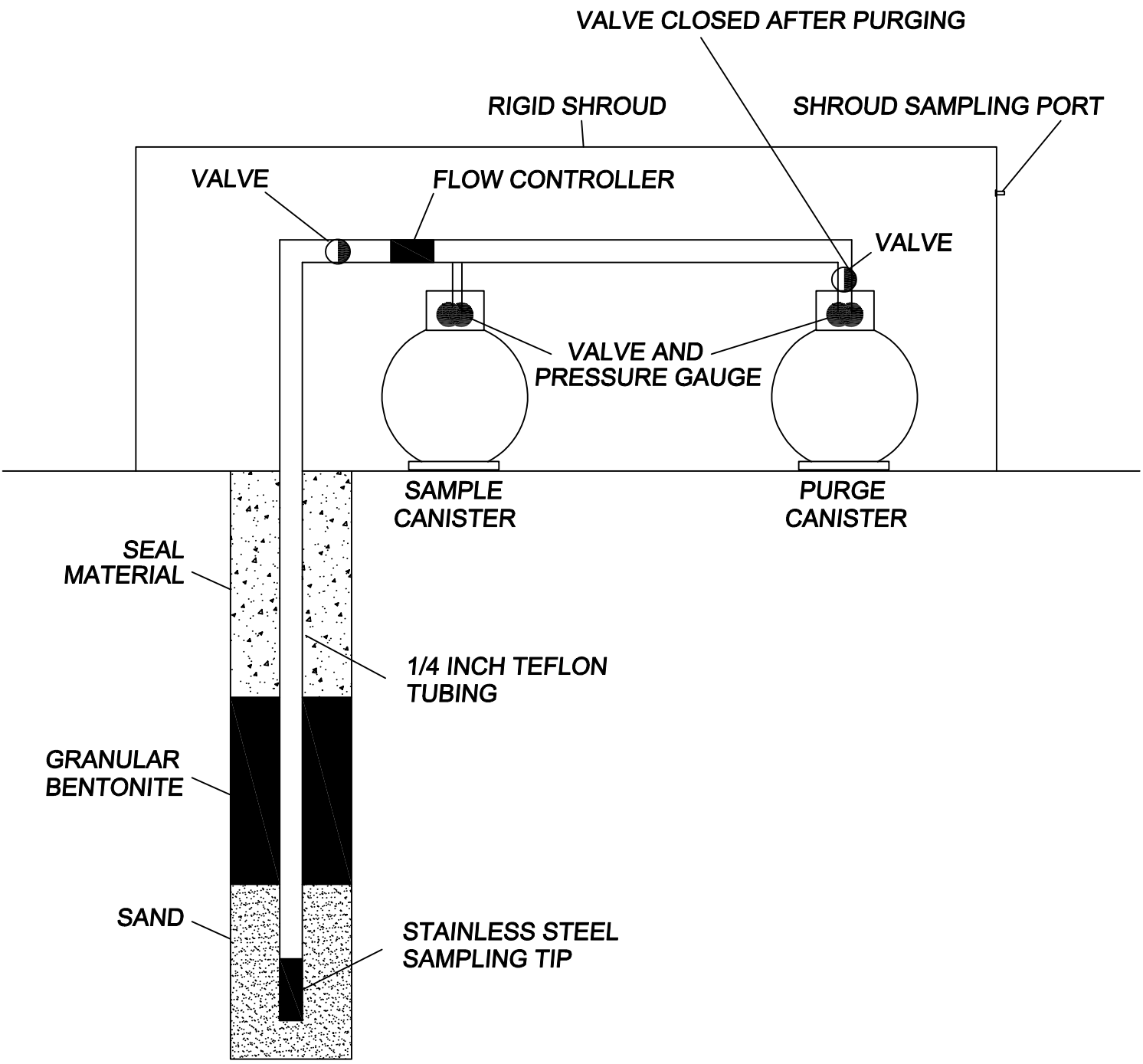
MOORE TWINING ASSOCIATES, INC.

DUAL COMPLETED SOIL GAS MONITORING PROBE CONSTRUCTION DIAGRAM

SG-4 AND SG-5



DUAL COMPLETED SOIL GAS PROBE CONSTRUCTION DIAGRAM - SG-4 AND SG-5 COURTHOUSE SITE PLAN OPTION 1A - COURTHOUSE PARK SOUTHEAST OF FRESNO STREET BETWEEN M STREET AND VAN NESS AVENUE FRESNO, CALIFORNIA	FILE NO. C88004.01	DATE DRAWN: 1/6/25	MOORE TWINING ASSOCIATES, INC.
	DRAWN BY: KLM	APPROVED BY:	
	PROJECT NO. C88004.01	DRAWING NO. 4	



TYPICAL SOIL GAS PROBE SAMPLING APPARATUS
COURTHOUSE SITE PLAN OPTION 1A - COURTHOUSE PARK
SOUTHEAST OF FRESNO STREET BETWEEN M STREET
AND VAN NESS AVENUE
FRESNO, CALIFORNIA

FILE NO. Site Map	DATE DRAWN: 1/6/25
DRAWN BY: KLM	APPROVED BY:
PROJECT NO. C88004.01	DRAWING NO. 5

MOORE TWINING ASSOCIATES, INC.

TABLES

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
Total Petroleum Hydrocarbons and Volatile Organic Hydrocarbons - Methods 8015B/8260B
Proposed Courthouse Park Redevelopment - 2200 Fresno Street, Fresno, California

Sample Identification	Sample Location	Sample Date	Sample Depth (ft)	TPHd	TPHmo	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	TBA	TAME	ETBE	DIPE	1,2-DCA	EDB	Methylene Chloride	Other VOCs
				Results in Milligram per Kilogram (mg/kg)																
E1-5'	Gasoline UST Fill Port	11/19/25	5	<10	<10	<1.0	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.016	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	**0.0042**	ND
E1-10'	Gasoline UST Fill Port	11/19/25	10	<10	<10	<1.0	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.019	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	**0.0045**	ND
E1-25'		11/19/25	25	<10	<10	<1.0	<0.00087	<0.00087	<0.00087	<0.00087	<0.00087	<0.00087	<0.017	<0.00087	<0.00087	<0.00087	<0.00087	<0.00087	**0.0052**	ND
E2-5'	Gasoline UST Fill Line	11/19/25	5	<10	<10	<1.0	<0.00085	<0.00085	<0.00085	<0.00085	<0.00085	<0.00085	<0.017	<0.00085	<0.00085	<0.00085	<0.00085	<0.00085	**0.0040**	ND
E2-10'	Gasoline UST Fill Line	11/19/25	10	<10	<10	<1.0	<0.00090	<0.00090	<0.00090	<0.00090	<0.00090	<0.00090	<0.018	<0.00090	<0.00090	<0.00090	<0.00090	<0.00090	**0.0042**	ND
E2-20'		11/19/25	20	<10	<10	<1.0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**0.0045**	ND
E3-5'	Diesel UST Product Line	11/19/25	5	<10	**20**	<1.0	<0.00077	<0.00077	<0.00077	<0.00077	<0.00077	<0.00077	<0.015	<0.00077	<0.00077	<0.00077	<0.00077	<0.00077	**0.0045**	ND
E3-15'		12/2/25	15	<10	<10	<1.0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	ND
E3-25'		12/2/25	25	<10	<10	<1.0	<0.00093	<0.00093	<0.00093	<0.00093	<0.00093	<0.00093	<0.019	<0.00093	<0.00093	<0.00093	<0.00093	<0.00093	<0.00093	ND
E4-20'	Diesel UST	12/2/25	20	<10	<10	<1.0	<0.00093	<0.00093	<0.00093	<0.00093	<0.00093	<0.00093	<0.019	<0.00093	<0.00093	<0.00093	<0.00093	<0.00093	<0.00093	ND
E4-25'		12/2/25	25	<10	<10	<1.0	<0.00076	<0.00076	<0.00076	<0.00076	<0.00076	<0.00076	<0.015	<0.00076	<0.00076	<0.00076	<0.00076	<0.00076	<0.00076	ND
E5-15'	Diesel UST	12/2/25	15	<10	<10	<1.0	<0.00088	<0.00088	<0.00088	<0.00088	<0.00088	<0.00088	<0.018	<0.00088	<0.00088	<0.00088	<0.00088	<0.00088	<0.00088	ND
E5-25'		12/2/25	25	<10	<10	<1.0	<0.00082	<0.00082	<0.00082	<0.00082	<0.00082	<0.00082	<0.016	<0.00082	<0.00082	<0.00082	<0.00082	<0.00082	<0.00082	ND
E6-6'	Diesel UST Product Line	11/24/25	6	<10	<10	<1.0	<0.00083	<0.00083	<0.00083	<0.00083	<0.00083	<0.00083	<0.017	<0.00083	<0.00083	<0.00083	<0.00083	<0.00083	<0.00083	ND
E6-15'		12/2/25	15	<10	<10	<1.0	<0.00094	<0.00094	<0.00094	<0.00094	<0.00094	<0.00094	<0.019	<0.00094	<0.00094	<0.00094	<0.00094	<0.00094	<0.00094	ND
E6-25'		12/2/25	25	<10	<10	<1.0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	ND
SG1-10'	Gasoline UST	11/19/25	10	<10	<10	<1.0	<0.00081	<0.00081	<0.00081	<0.00081	<0.00081	<0.00081	<0.016	<0.00081	<0.00081	<0.00081	<0.00081	<0.00081	**0.0040**	ND
SG2-15'		11/19/25	15 #	<10	<10	<1.0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**0.0041**	ND
SG2-25'		11/19/25	25 #	<10	<10	<1.0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**0.0064**	ND
SG3-5'	Diesel UST Product Line	11/19/25	5	<10	<10	<1.0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**0.0042**	ND
SG4-5'	Diesel UST Product Line	11/24/25	5	<10	<10	<1.0	<0.00083	<0.00083	<0.00083	<0.00083	<0.00083	<0.00083	<0.017	<0.00083	<0.00083	<0.00083	<0.00083	<0.00083	<0.00083	ND
SG4-25'		12/1/25	25	<10	<10	<1.0	<0.00092	**0.0012**	<0.00092	<0.00092	<0.00092	<0.00092	<0.018	<0.00092	<0.00092	<0.00092	<0.00092	<0.00092	<0.00092	ND
SG5-25'	Diesel UST	12/1/25	25	<10	<10	<1.0	<0.00092	**0.0011**	<0.00092	<0.00092	<0.00092	<0.00092	<0.018	<0.00092	<0.00092	<0.00092	<0.00092	<0.00092	<0.00092	ND
Residential RSL (mg/kg)				*200	*12,000	*460	0.33	1,400	5.8	580	47	2.0	*1,400	-------	130	-------	0.46	0.036	2.2	-------
Commercial RSL (mg/kg)				*920	*180,000	*2,100	1.4	7,300	25	2,500	210	7.6	*6,500	-------	560	-------	2.0	0.16	26	-------

Notes:
TPH-g = Total petroleum hydrocarbons as gasoline
TPH-d = Total petroleum hydrocarbons as diesel
TPH-mo = Total petroleum hydrocarbons as motor oil
EDB = 1,2-Dichloroethane
<0.010 = Less than followed by the indicated laboratory reporting limit (not detected)

TAME = tert-Amyl Methyl Ether
MTBE = Methyl tert-Butyl Ether
TBA = tert-Butyl alcohol
ETBE = Ethyl tert-Butyl Ether

DIPE = Di-Isopropyl Ether
NA = not analyzed
ND = not detected

RSL = Regional Screening Levels, U.S. EPA April 2025 (TR=1E-06 and THQ=1.0) - Available California DTSC HERRO Note 3 (June 2020 - Revised November 2024) values utilized. RSL values are in dry weight.
* = Environmental Screening Levels, compiled by the California Regional Water Quality Control Board, San Francisco Bay Region (revised July 2025) - Direct Exposure Human Health Risk Soil Screening Levels.
# = Sample depth represents feet below ground surface at gasoline UST location. Soil gas probe is located near bottom of basement garage ramp which is approximately 10 feet below the ground surface at the UST location.

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
LUST 5 Metals - Method 6010B
Proposed Courthouse Park Redevelopment - 2200 Fresno Street, Fresno, California

Sample ID	Sample Location	Sample Date	Sample Depth (ft)	Cadmium	Chromium	Lead	Nickel	Zinc
Results in Milligrams per Kilogram (mg/kg)								
E1-5'	Gasoline UST Fill Port	11/19/25	5	<0.40	**12**	**3.0**	**11**	**14**
E1-10'	Gasoline UST Fill Port	11/19/25	10	**0.87**	**23**	**7.9**	**25**	**69**
E1-25'		11/19/25	25	**0.82**	**12**	**9.3**	**20**	**81**
E2-5'	Gasoline UST Fill Line	11/19/25	5	<0.40	**15**	**9.4**	**16**	**22**
E2-10'	Gasoline UST Fill Line	11/19/25	10	<0.40	**11**	**2.9**	**14**	**15**
E2-20'		11/19/25	20	<0.40	**4.9**	<2.0	**7.5**	**17**
E3-5'	Diesel UST Product Line	11/19/25	5	<0.40	**15**	**6.4**	**17**	**19**
E3-15'		12/2/25	15	<0.40	**4.5**	<2.0	**8.8**	**5.5**
E3-25'		12/2/25	25	<0.40	**8.2**	**3.5**	**13**	**25**
E4-20'	Diesel UST	12/2/25	20	<0.40	**12**	**3.7**	**21**	**31**
E4-25'		12/2/25	25	<0.40	**11**	**4.4**	**17**	**16**
E5-15'	Diesel UST	12/2/25	15	<0.40	**19**	<2.0	**20**	**10**
E5-25'		12/2/25	25	<0.40	**12**	**5.3**	**17**	**38**
E6-6'	Diesel UST Product Line	11/24/25	6	<0.40	**20**	**4.3**	**25**	**19**
E6-15'		12/2/25	15	<0.40	**10**	<2.0	**16**	**9.4**
E6-25'		12/2/25	25	**0.52**	**11**	**6.5**	**20**	**50**
SG1-10'	Gasoline UST	11/19/25	10	<0.40	**14**	**9.3**	**15**	**24**
SG2-15'		11/19/25	15 #	<0.40	**9.7**	**2.3**	**11**	**16**
SG2-25'		11/19/25	25 #	<0.40	**4.5**	<2.0	**6.1**	**15**
SG3-5'	Diesel UST Product Line	11/19/25	5	<0.40	**16**	**18**	**21**	**25**
SG4-5'	Diesel UST Product Line	11/24/25	5	<0.40	**14**	**6.5**	**16**	**17**
SG4-25'		12/1/25	25	<0.40	**13**	**4.0**	**13**	**29**
SG5-25'	Diesel UST	12/1/25	25	<0.40	**12**	**4.5**	**18**	**32**
L1-0'	Building Drip Line	12/4/25	Surface	NA	NA	**33**	NA	NA
L2-0'	Building Drip Line	12/4/25	Surface	NA	NA	**26**	NA	NA
L3-0'	Building Drip Line	12/4/25	Surface	NA	NA	**33**	NA	NA
L4-0'	Building Drip Line	12/4/25	Surface	NA	NA	**31**	NA	NA
L5-0'	Building Drip Line	12/4/25	Surface	NA	NA	**30**	NA	NA
L6-0'	Building Drip Line	12/4/25	Surface	NA	NA	**47**	NA	NA
L7-0'	Building Drip Line	12/4/25	Surface	NA	NA	**70**	NA	NA
L8-0'	Building Drip Line	12/4/25	Surface	NA	NA	**39**	NA	NA
L9-0'	Building Drip Line	12/4/25	Surface	NA	NA	**38**	NA	NA
L10-0'	Building Drip Line	12/4/25	Surface	NA	NA	**33**	NA	NA
L11-0'	Building Drip Line	12/4/25	Surface	NA	NA	**29**	NA	NA
L12-0'	Building Drip Line	12/4/25	Surface	NA	NA	**22**	NA	NA
L13-0'	Building Drip Line	12/4/25	Surface	NA	NA	**21**	NA	NA
L14-0'	Building Drip Line	12/4/25	Surface	NA	NA	**20**	NA	NA
L15-0'	Building Drip Line	12/4/25	Surface	NA	NA	**16**	NA	NA
L16-0'	Building Drip Line	12/4/25	Surface	NA	NA	**11**	NA	NA
L17-0'	Building Drip Line	12/4/25	Surface	NA	NA	**19**	NA	NA
L18-0'	Building Drip Line	12/4/25	Surface	NA	NA	**38**	NA	NA
L19-0'	Building Drip Line	12/4/25	Surface	NA	NA	**31**	NA	NA
L20-0'	Building Drip Line	12/4/25	Surface	NA	NA	**21**	NA	NA
L21-0'	Building Drip Line	12/4/25	Surface	NA	NA	**53**	NA	NA
L22-0'	Building Drip Line	12/4/25	Surface	NA	NA	**27**	NA	NA
L23-0'	Building Drip Line	12/4/25	Surface	NA	NA	**14**	NA	NA
L24-0'	Building Drip Line	12/4/25	Surface	NA	NA	**16**	NA	NA
L25-0'	Building Drip Line	12/4/25	Surface	NA	NA	**11**	NA	NA
Human Health Screening Levels								
Residential RSL (mg/kg)				7.1	120,000	80	820	23,000
Commercial RSL (mg/kg)				100	360,000	500	11,000	350,000
Hazardoous Waste Criteria For Direct Landfill Disposal								
TTLC (mg/kg) [1]				100	2,500	1,000	2,000	5,000
STLC Trigger Concentration (mg/kg) [2]				10	50	50	200	2,500

Notes:

RSL = Regional Screening Levels, U.S. EPA November 2024 (TR=1E-06 and THQ=1.0) - Available California DTSC HERRO Note 3 (June 2020 - Revised April 2025) values utilized. RSL values are in dry weight.

<0.40 = less than the indicated laboratory reporting limit (not detected)

NA = not analyzed

= Sample depth represents feet below ground surface at gasoline UST location. Soil gas probe is located near bottom of basement garage ramp which is approximately 10 feet below the ground surface at the UST location.

1 = Total threshold limit concentration (TTLC) in mg/kg wet weight used for California regulated hazardous waste. Source is California Code of Regulations, Title 22, Chapter 11, Article 3.

2 = Trigger concentration (milligrams per kilogram - wet weight) equals ten times the Soluble Threshold Limit Concentration (STLC) based on Waste Extraction Test. Used for California regulated hazardous waste. Source is California Code of Regulations, Title 22, Chapter 11, Article 3. If the detected metal concentration equals or exceeds the STLC Trigger concentration value, the waste extraction test (WET) should be used. If any substance in the waste so analyzed exceeds the STLC value, it is considered a hazardous toxic waste.

Exceeds STLC Trigger Concentration. A California Waste Extraction Test is required to determine hazardous waste concentration for direct landfill disposal.

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
STLC Lead Analysis
Proposed Courthouse Park Redevelopment - 2200 Fresno Street, Fresno, California

Sample ID	Sample Location	Sample Date	Sample Depth (ft)	STLC Lead
Results in Milligrams per Liter (mg/L)				
L7-0'	Building Drip Line	12/4/25	Surface	**4.2**
L21-0'	Building Drip Line	12/4/25	Surface	**3.7**
Hazardoous Waste Criteria For Direct Landfill Disposal				
STLC (mg/L) [1]				5.0

Notes:

1 = Soluble threshold limit concentration (STLC) in mg/L used for California regulated hazardous waste. If any substance in the waste so analyzed exceeds the STLC value, it is considered a hazardous toxic waste for direct landfill disposal.

TABLE 4

SUMMARY OF SOIL VAPOR PURGE AND SAMPLE TIMES

Proposed Courthouse Park Redevelopment - 2200 Fresno Street, Fresno, California

Sample ID	Probe Depth (ft)	Sample Canister ID	Sample Regulator ID	Purge/Sample Flow Rate (ml/minutes)	Calculated 3 Well Purge Volume (ml)	Calculated Purge Time (minutes)	Start Purge	End Purge	Start Sample	End Sample	Start Canister Vacuum ("Hg)	End Canister Vacuum (Inches Hg)	Shroud PID (ppm)	Calculated Shroud PID[1] ($\mu g/m^3$)	Reported Sample Lab IPA Concentration ($\mu g/m^3$)	Percent of Shroud IPA Concentration Detected in Sample
December 8, 2025 - Soil Gas Sampling																
SG-1	10	332	2585	167	3,946	24	0912	0936	0936	0955	27	4	32	473,107	<2.05	<0.01 %
SG-2	25	301	2578	124	4,027	32	0900	0933	0933	0958	28	5	28	413,969	<2.05	<0.01 %
SG-3	9	383	2639	115	3,930	34	1044	1118	1118	1149	28	4	46	680,092	<2.05	<0.01 %
SG4-10'	10	370	2512	125	6,864	55	1213	1308	1308	1335	26	4	26	384,400	<2.05	<0.01 %
SG4-25'	25	389	2643	139	7,108	51	1204	1255	1255	1327	27	5	26	384,400	5.90	<0.01%
SG5-10'	10	306	2586	132	6,864	52	1100	1152	1152	1219	28	5	45	665,307	<2.05	<0.01 %
SG5-25'	25	348	2575	150	7,108	47	1110	1157	1157	1220	27	5	45	665,307	<2.05	<0.01 %
OA-1	NA	358	2569	101	NA	NA	NA	NA	0936	1003	27	4	NA	NA	NA	NA

Notes:

ft = feet

"Hg = inches of mercury

ml = milliliters

"H_2O = inches of water

^{o}F = degrees Fahrenheit

Time	**9:20 AM**
Outside Temperature (^{O}F)	43
Outside Barometric Pressure ("Hg)	30.34
Outside Humidity	86
Wind Speed/Direction (from)	1/SSW

PID = photoionization detector

<2.1 = less than the indicated method detection limit (not detected)

ppm = parts per million

$\mu g/m^3$ = micrograms per cubic meter

1 = Calculated shroud PID in $\mu g/m^3$ equals {PID ppm X mole weight of IPA (60.1 g/mole) X 0.041 X PID correction factor for IPA (6.0) X 1,000}

= Sample depth represents feet below ground surface at gasoline UST location. Soil gas probe is located near bottom of basement garage ramp which is approximately 10 feet below the ground surface at the UST location.

TABLE 5
SUMMARY OF SOIL GAS SAMPLE ANALYTICAL RESULTS
Proposed Courthouse Park Redevelopment - 2200 Fresno Street, Fresno, California

Analyte			Benzene	Toluene	Ethyl-benzene	m,p-Xylenes	o-Xylenes	TPHg	TPHd	PCE	TCE	Chloroform	Acetone	Cyclohexane	Styrene	Tetrahydro-furan	4-Methyl-2-pentanone	2-Hexanone	Freon 114	1,3-Butadiene	Carbon Disulfide	Ethanol	2-Butanone	2-propanol (Tracer Gas)	All Others
Analytical Method			METHOD T0-15																						
Sample ID	Depth (ft)	Sample Date	Results in micrograms per cubic meter (µg/m^3)																						
SG-1	10	12/8/2025	**3.09 J**	**2.04 J**	<1.53	<1.54	<1.49	**265**	NA	<0.68	<0.54	**1.60 J**	**15.1**	<0.58	<1.47	**3.35**	<2.74	<3.42	<1.17	<0.74	<2.60	**5.57**	**3.74 J**	<2.05	ND
SG-2	25 #	12/8/2025	<2.13	<1.26	<1.53	<1.54	<1.49	**117 J**	NA	<0.68	<0.54	<0.82	**6.63**	<0.58	<1.47	<0.98	<2.74	<3.42	<1.17	<0.74	<2.60	<1.57	<1.97	<2.05	ND
SG-3	9	12/8/2025	**3.88**	<1.26	<1.53	<1.54	<1.49	**119 J**	NA	<0.68	<0.54	<0.82	**24.7**	<0.58	<1.47	<0.98	<2.74	<3.42	<1.17	<0.74	**2.84 J**	**135**	**14.3 J**	<2.05	ND
SG4-10'	10	12/8/2025	**4.37**	<1.26	<1.53	<1.54	<1.49	NA	< 79	**0.77 J**	<0.54	**6.18**	**16.3**	<0.58	<1.47	**1.96 J**	<2.74	<3.42	<1.17	<0.74	<2.60	**20.3**	**7.52**	<2.05	ND
SG4-25'	25	12/8/2025	**13.8**	**6.66**	<1.53	**1.72 J**	<1.49	NA	**1,275**	**1.01 J**	<0.54	<0.82	**87.2**	<0.58	**2.06 J**	**6.22**	**5.73 J**	**5.86 J**	<1.17	<0.74	**46.4**	**77.90**	**55.6**	**5.90 J**	ND
SG5-10'	10	12/8/2025	**2.46 J**	<1.26	<1.53	<1.54	<1.49	NA	**524**	**1.31 J**	<0.54	**4.47**	**9.75**	<0.58	<1.47	**4.11**	<2.74	<3.42	<1.17	<0.74	**3.56 J**	**4.32 J**	**3.54 J**	<2.05	ND
SG5-25'	25	12/8/2025	**4.41**	<1.26	<1.53	<1.54	<1.49	NA	**113 J**	**1.64 J**	<0.54	**2.58 J**	**15.0**	**5.22**	<1.47	<0.98	<2.74	<3.42	**2.92**	**1.41 J**	<2.60	<1.57	**14.32**	<2.05	ND
OA-1	Outdoor Air	12/8/2025	**3.77**	**1.60 J**	<1.53	<1.54	<1.49	<68	<79	<0.68	<0.54	<0.82	**8.55**	<0.58	<1.47	<0.98	<2.74	<3.42	<1.17	<0.74	<2.60	<1.57	**3.69 J**	<2.05	ND
Residential Soil Vapor Screening Level (RWQCB ESL)			3.2	15,000 [+]	37	3,500 [*+]		22,000 [+]	6,800 [+]	15	16	4.1	1,100,000 [+]	24,333 [1+]	31,000	70,000 [1+]	103,333 [1+]	1,033 [1+]	---	3 [1]	24,333 [1+]	---	173,333 [1+]	---	---
Commercial Soil Vapor Screening Level (RWQCB ESL)			14	61,000 [+]	160	15,000 [*+]		90,000 [+]	28,000 [+]	67	100	18	4,500,000 [+]	103,333 [1+]	130,000	293,000 [1+]	433,333 [1+]	4,333 [1+]	---	14 [1]	103,333 [1+]	---	733,333 [1+]	---	---

Notes:

PCE = tetrachloroethylene
TCE = trichloroethylene
* = value for total xylenes
+ = non-carcinogenic screening level value
bold = values in bold represent detected concentrations above method detection limit
ND = this analysis includes a variety of individual compounds. The "ND" designation indicates that individual compounds included in the analyses were not detected above laboratory reporting limits.
--- = not available
# = Sample depth represents feet below ground surface at gasoline UST location. Soil gas probe is located near bottom of basement garage ramp which is approximately 10 feet below the ground surface at the UST location.
J = result below the reporting limit but above the method detection limit
<1.26 = less than the indicated method detection limit

Equal to or exceeds residential screening level but below commercial screening level

Equal to or exceeds commercial screening level

NA = not analyzed

ESL = Environmental Screening Levels, San Francisco Bay Regional Water Quality Control Board, revised July 2025
1 = No ESL Available. Derived residential/commercial soil gas screening level calculated by dividing the regulatory residential/commercial ambient air screening level (April 2025 HERO Note 3 or November 2024 RSL when a chemical is not listed in the HHRA) by the default indoor air attenuation factor of 0.03 as specified in the final draft of the Supplemental Guidance for Screening and Evaluation of Vapor Intrusion dated February 2023 published by the DTSC (Supplemental Guidance).

APPENDIX A
MOORE TWINING ASSOCIATES, INC
STANDARD OPERATING PROCEDURES (SOPs)

This appendix contains the standard operating procedures which will be used by Moore Twining Personnel in performing this characterization. Observing these procedures will produce consistent, reliable data.

Standard Operating Procedures for Drilling and Soil Sampling: Subsurface assessment and/or well construction permits are filed with the appropriate government agency before conducting field operations. Underground Service Alert is notified at least 48 hours prior to initiation of field activities. Field activities are performed under the direction of a California registered geologist or certified professional engineer.

Soil boring are drilled using an appropriate method. The method selected will depend upon project objectives and subsurface conditions. Typically soil boring are drilled using a Central Mine Equipment Company model 75 (CME-75) truck-mounted drill rig equipped with 6-5/8-inch outside diameter, continuous-flight, hollow-stem augers. The drilling contractor must have a license for a C-57 classification. The soil boring will be drilled under the supervision of an experienced field geologist. Drilling and sampling equipment are thoroughly cleaned before, during and after each use. Cleaning procedures are described in a subsequent paragraph.

Soil samples are collected using a continuous-coring device, by driving a split-spoon sampler, or by grabbing samples from the drilling cutting returns. The sampler or coring device is lined with brass, stainless steel, or acrylic tubes, in which samples may be retained for subsequent chemical analyses. To collect samples using the split-spoon sampler, the sampler is initially lowered to the bottom of the soil boring and driven 6 inches into undisturbed soil. It is then driven 12 inches deeper by repeatedly dropping a 140-pound weight from a height of 30 inches. The number of blows required to advance the sampler 12 inches is recorded on the boring logs as "blows per foot". This information is used in estimating soil density.

Soil samples are examined for the purpose of preparing lithologic logs. Soils are logged consistent with the Unified Soil Classification System (USCS). The soil boring logs note soil types encountered at depth including consistency, soil moisture, particle size, color, and other distinguishing features.

The soil samples are field screened for evidence of volatile organic chemicals (VOCs) and/or other contaminates. The field screening consist of; visual observation for straining or free fluids, unusual odor, and head space analysis using a photoionization detector (PID). The procedure for performing head space analysis are describe in a subsequent paragraph (if pertinent to this investigation).

Generally, soil samples selected for analyses typically represent those which the field screening indicated will be most likely to contain the contaminate of concern. In most instances, the deepest two samples and/or and sample collected from just above groundwater are selected for analyses. Samples intended for chemical analyses are sealed with Teflon® tape and plastic end caps, labeled, placed on ice, and delivered to a laboratory, along with chain-of-custody documentation.

The soil boring may be completed as groundwater monitoring wells, or abandoned by grouting with a sand-cement slurry. Abandonment procedures depend upon the boring depth, depth to groundwater, project objectives, and regulatory requirements. For boring greater than 15 feet deep, grout is emplaced through the hollow augers which will extend to within 15 feet of the bottom of the boring. If required by the local regulatory agency, grout is emplaced by pumping through a tremie pipe which extends to within 15 feet of the bottom of the boring. The tremie pipe or augers are withdrawn from the boring in 5-foot increments as the boring fills with grout. SOPs for groundwater monitoring well installation are described in a subsequent paragraph (if pertinent to this investigation).

Soil cuttings generated during drilling are containerized in United States Department of Transportation (DOT)-approved drums, or placed on and covered with plastic sheeting, and stored on site in an area inaccessible to the general public. Typically, the stockpiled soil is characterized by collecting and analyzing composite samples from the stockpile. An appropriate method for disposition of the cuttings based on the analytical results will be recommended in the report of this action.

Standard Operating Procedures for Soil Gas Probe Installation: Soil gas monitoring probes are installed by drilling to the target depth utilizing a hand auger or a CME 75 mobile drill rig equipped with 4-inch solid flight auger under the direction of a California registered geologist.

Soil borings for vapor monitoring probes will be drilled and sampled according to "Standard Operating Procedures for Drilling and Soil Sampling". Equipment used for drilling, sampling, and constructing wells, and well construction materials will be thoroughly cleaned according to "Standard Operating Procedures for Equipment Decontamination".

The probes will be constructed of 1/4-inch diameter teflon tubing. The bottom 3-inches of tubing will be a porous stainless-steel tip that will be placed 6-inches from the target depth. A 1-foot thick filter pack consisting of No. 2/12 clean sand is emplaced opposite the filter tip. A one-foot thick dry granular bentonite seal is installed above the filter pack which is subsequently sealed with neat cement to within 0.5 feet of the ground surface. For permanent wells, a flush-mounted well protection box is installed at the surface to protect the soil gas probe tubing. A gas-tight valve or fitting for capping the tubing is installed at the top of the tubing to prevent ambient air from entering the sampling probe. The probes are allowed to set for at least 48 hours to equilibrate before being sampled.

Soil Gas Sampling Procedures: Soil gas sampling is conducted in accordance with the methodologies outlined in ASTM E 2600-08 *Standard Practice of Vapor Intrusion into Structures on Property Involved in Real Estate Transactions* and the Department of Toxic Substances Control (DTSC) *Advisory - Active Soil Gas Investigations*. Field activities are performed under the supervision of a professional engineer or geologist. Sampling equipment is thoroughly cleaned before and after each use according to Moore Twining's "Standard Operating Procedures for Equipment Decontamination." Procedures for obtaining high-quality soil gas samples for use in environmental assessments are:

1. Seal the surface around the soil gas sampler to prevent ambient air intrusion;
2. Conduct a “shut-in” test on the sampling equipment to assess tightness and leaks
3. Conduct leak tests using a shroud and tracer gas to evaluate ambient air intrusion;
4. Purge and sample at low flow rates (less than 200 milliliters per minute);

5. Collect samples in Summa Canisters (USEPA TO methods), glass bulbs, or glass syringes; and
6. Avoid soil gas sample collection following significant rainfall events.

Consistent with industry standards for Summa canister sampling, a minimum of three (3) tubing/casing volumes are purged before sampling the monitoring point. Prior to purging and sampling, a 1/4-inch diameter stainless steel tee fitting will be connected to the top of a 6-liter purge canister or vacuum pump and a 3.2 or 1.0-liter sample Summa canister with pressure gauges installed on the top of the tee fitting. Stainless steel threaded piping (1/4-inch diameter) that is 1 to 2 feet in length will then be connected to the threaded tee fittings on each of the purge and sample canisters. A third tee fitting will be connected to the free end of the pipe. The down-hole side of the third tee fitting will be connected to a 150 milliliter per minute stainless steel threaded flow regulator for sampling. A vapor-tight valve will then be connected to the down-hole side of the regulator and the sample collection apparatus will be tested for tightness by opening and closing the purge valve to perform a "shut-in test". As part of the shut-in test, the vacuum gauges on the sample tees will be monitored for 5 minutes to assess if any leaks exist in the sample train. If the gauge vacuum cannot be maintained for a minimum of 5 minutes, the sample train will be evaluated and leaks will be repaired and/or a new sample train will be used.

Following tightness testing and during purging, the vapor tight valves and purge pump valves will be opened until three (3) volumes of soil gas from the sample tubing and borehole are purged. After purging, the purge sample canister valve will be closed and the sample canister valve will be opened. The sampling apparatus will then be covered with a shroud and a tracer compound 1,1-difluoroethane ("dust off" spray) or isopropyl alcohol (IPA) will be applied within the shroud. When IPA is used as a tracer, the technician attempts to maintain detectable IPA concentrations within the shroud of approximately 10 ppm as measured with a PID. The soil vapor samples collected for analysis by EPA Method TO-15 are collected from the soil vapor probes in 1.0 or 3.2 liter Summa canisters at a flow rate of approximately 150 milliliters per minute (ml/min). The tracer compound will be analyzed in the laboratory to determine if the surface seal and sample trains are compromised during the sampling event. Based on results of the soil gas samples collected from the site, a determination can be made on the integrity of the soil gas sampling apparatus and well seal with respect to outside air influence.

When the sample canister gauges reach a vacuum of approximately 5 inches of mercury, the vapor tight valves will be closed and the samples will be labeled and the elapsed sample collection times will be recorded. A summary of soil gas purge and sample times will be recorded and logged. The tee fittings will be replaced on the samples with a laboratory supplied brass plug.

When the sample canister gauges reach approximately 5 inches of mercury vacuum, the vapor tight valves will be closed and the samples will be labeled and the elapsed sample collection times will be recorded. The tee fittings will be replaced on the samples with a laboratory supplied brass plug. The collected vapor samples will be shipped under chain-of-custody documentation to Environmental Analytical Services, Inc. located in San Luis Obispo, California. The vapor samples are usually analyzed for VOCs and tracer gas (IPA) by EPA Method TO-15.

Standard Operating Procedures for Equipment Decontamination: Proper decontamination procedures reduce the potential for: cross-contamination among sample locations; and introduction of contamination from outside sources.

Before, during, and following drilling operations, drilling equipment is thoroughly cleaned using a high pressure hot water (steam) washer. Well casing, screen, end caps, and centralizers will also be cleaned using the steam washer. Steam cleaning condensate will be containerized for later disposal. Generally, disposal will be the Client's responsibility.

Sampling equipment and any tools, measuring devices, or other equipment which will contact soil, groundwater, or any media being assessed will be washed in a low-phosphate soap and water solution, and rinsed in clean water before each use. The type of soap used will depend upon project requirements.

Standard Operating Procedures for Sample Handling and Chain-of-Custody: Records are developed for samples which include: sampling date, sample type, location, job number, name of sampling personnel, and method of preservation. Each sample container is labeled immediately following collection. Chain-of-custody protocol, as described in United States Environmental Protection Agency, 1986, Test Methods for Evaluating Solid Waste, SW-846, Third Edition, is followed. Samples will be maintained at approximately 4°C. Upon arrival at the laboratory, the samples will be preserved for analysis as appropriate. Samples will be delivered to a California Licensed chemistry laboratory. The laboratory will continued maintenance of the Chain-of-Custody throughout the analytical procedures.

Standard Operating Procedures for Laboratory Quality Assurance/Quality Control: These laboratory QA/QC procedures were developed to reduce outside interferences during analyses of samples. The laboratory director is responsible for creating and maintaining the program. General QA/QC procedures follow:

- Analytical instruments are serviced on a regular basis to assure accurate calibration;
- Organic-free water is monitored daily for quality;
- Gas chromatographs are calibrated daily;
- Method blanks are run to check whether the glassware and reagents are free of interference from chemicals that would invalidate the analyses;
- Standards are prepared using the applicable reference materials;
- Matrix spikes are analyzed in duplicate to validate the accuracy and precision of the method; and
- During groundwater sampling, a travel blank sample consisting of organic-free water is prepared and containerized in the laboratory, transported to the site, and handled and transported in the same manner as the groundwater samples.

Standard Operating Procedures for Using Photoionization Detector (PID): The PID is calibrated in accordance with the manufacture's recommendations prior to use in the field. Upon arrival at the project site, the PID is used to monitor background concentrations of organic vapors in the atmosphere at the site. The background concentrations are measured in a location upwind and removed as possible from sources of organic vapors on the site. When background concentrations of organic vapors register as

"0.0" on the PID, subsequent readings of "0.0" registered from samples tested in the field are recorded as "ND" (not detected). When background concentrations of organic vapors register at some quantity above "0.0", subsequent readings registered from samples tested in the field at or below this value are recorded as "B/G" (background).

Standard Operating Procedures for Decontamination Rinsate, Monitoring Well Purge Water, and Soil Cuttings Disposal: The soil cuttings generated by drilling operations are retained on site, and either covered by plastic sheeting or containerized in United States Department of Transportation (DOT)-approved drums. The drilling equipment decontamination rinseate is also stored in drums. Water purged from monitoring wells is containerized in drums if contamination is known or suspected. Drums containing soil, rinseate, and purged water are sealed and temporarily stored on site at a location remote to the public. Each drum is labeled to identify its contents. Disposal of these wastes will be the responsibility of the Client. The Client will be informed that the wastes must be disposed in accordance with applicable Federal, State, and local regulations.

Standard Operating Procedures for Performing Head Space Analysis: Head space analysis is performed using a photoionization detector (PID). A soil sample is placed in a sealed glass container or plastic bag, agitated, and placed in a warm atmosphere. After approximately 15 minutes, which is generally sufficient for some of the volatile to escape from the soil, the PID probe is inserted into the container and the gas is sampled. The highest concentration of organic vapors measured by the PID will be recorded.

APPENDIX B

SOIL BORING LOGS

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING E-1

Project: Proposed Fresno Courthouse Park

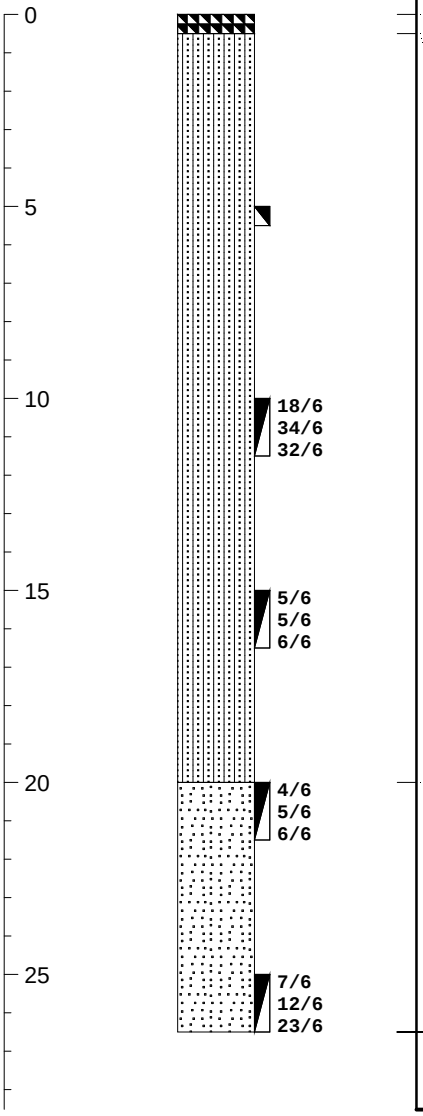
Location: 2200 Fresno Street, Fresno, California **Project Number:** C88004.01

Logged By: KM **Date Started:** 11/19/25

Drilled By: JS

Auger Type: HSA **Drill Type:** CME 75

Depth to Groundwater: NE **Elevation:**



DEPTH (feet)	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0	RC	4" Reinforced Concrete		
	SM	2" Aggregate Base Silty Sand; moist, fine grained, brown, no odors		
5				PID = 0.0 ppm
		Highly cemented (Hard Pan), very dense, reddish-brown		
10		Moderately cemented	>50	PID = 0.0 ppm
		Non-cemented, medium dense, brown		
15			12	PID = 0.0 ppm
20	SP	Poorly Graded Sand; moist, medium dense, fine to medium grained, brown, no odors	11	PID = 0.0 ppm
25			35	PID = 0.0 ppm
		Bottom of Boring		

Notes: *Backfilled boring with neat cement upon completion.*

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING E-2

Project: Proposed Fresno Courthouse Park

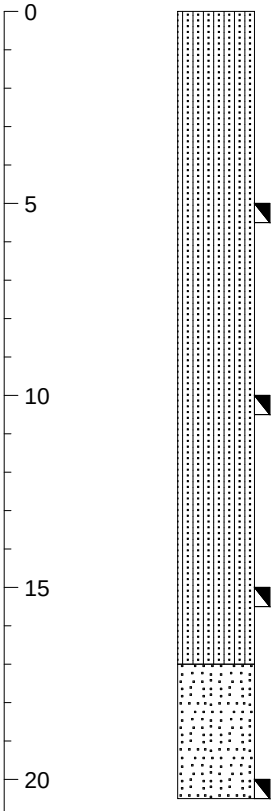
Location: 2200 Fresno Street, Fresno, California **Project Number:** C88004.01

Logged By: KM **Date Started:** 11/19/25

Drilled By: KM

Auger Type: 3-inch Diameter Bucket **Drill Type:** Hand Auger

Depth to Groundwater: NE **Elevation:**

DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0		SM	Silty Sand; moist, fine to medium grained, brown, no odors		
5					PID = 0.0 ppm
			Slightly cemented (Hard Pan), reddish-brown		
10			Non-cemented, brown		PID = 0.0 ppm
15					PID = 0.0 ppm
		SP	Poorly Graded Sand; moist, medium dense, fine to medium grained, brown, no odors		
20					PID = 0.0 ppm
			Bottom of Boring		
25					

Notes: *Backfilled boring with neat cement upon completion.*

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING E-3

Project: Proposed Fresno Courthouse Park

Location: 2200 Fresno Street, Fresno, California

Project Number: C88004.01

Logged By: KM

Date Started: 11/24/25 and 12/2/25

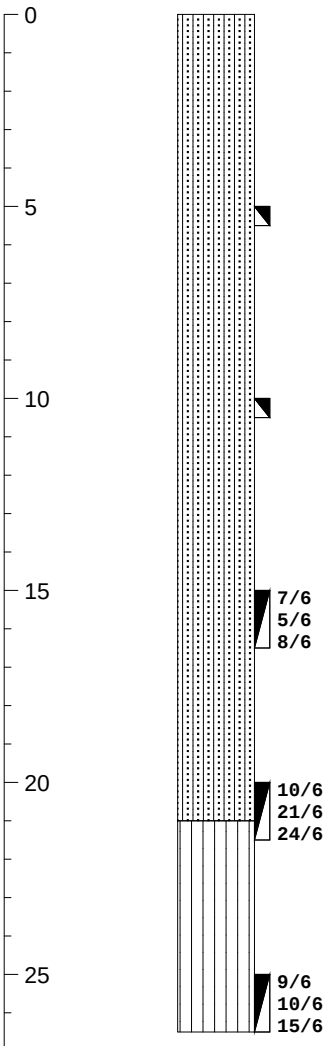
Drilled By: JS

Auger Type: HSA

Drill Type: CME 75

Depth to Groundwater: NE

Elevation:



DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0		SM	Silty Sand; moist, fine grained, brown, no odors		
5					PID = 0.0 ppm
10					PID = 0.0 ppm
			Less silt, fine to medium grained, medium dense		
15	7/6 5/6 8/6			13	PID = 0.0 ppm
20	10/6 21/6 24/6			45	PID = 0.0 ppm
		ML	Silt, moist, hard, slightly plastic, brown, no odor		
25	9/6 10/6 15/6		Very stiff	25	PID = 0.0 ppm
			Bottom of Boring		

Notes: *Hand cleared boring to 10 feet on 11/24/25. Completed boring with mobile drill rig on 12/2/25. Backfilled boring with neat cement upon completion.*

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING E-4

Project: Proposed Fresno Courthouse Park

Location: 2200 Fresno Street, Fresno, California

Project Number: C88004.01

Logged By: KM

Date Started: 11/24/25 and 12/2/25

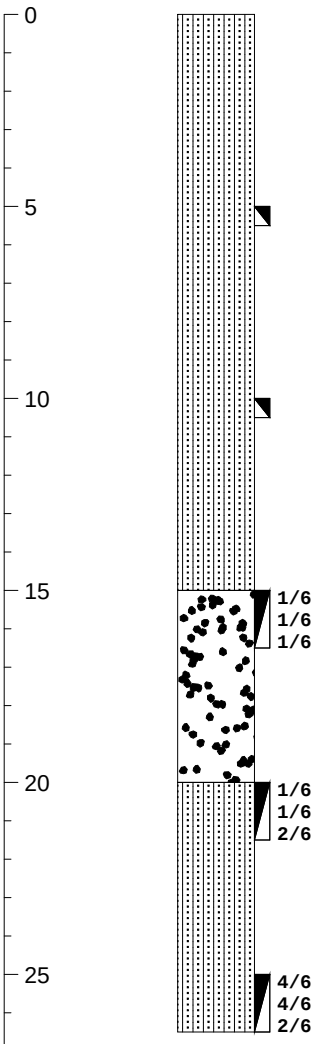
Drilled By: JS

Auger Type: HSA

Drill Type: CME 75

Depth to Groundwater: NE

Elevation:



DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0		SM	Silty Sand; moist, fine grained, brown, no odors		
5					PID = 0.0 ppm
10					PID = 0.0 ppm
15	1/6 1/6 1/6	GP	Pea Gravel (Fill) from adjacent UST excavation, very loose	2	PID = 0.0 ppm
20	1/6 1/6 2/6	SM	Silty Sand, moist, very loose, fine grained, brown, no odor	3	PID = 0.0 ppm
25	4/6 4/6 2/6			6	PID = 0.0 ppm
			Bottom of Boring		

Notes: *Hand cleared boring to 10 feet on 11/24/25. Completed boring with mobile drill rig on 12/2/25. Backfilled boring with neat cement upon completion.*

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING E-5

Project: Proposed Fresno Courthouse Park

Location: 2200 Fresno Street, Fresno, California

Project Number: C88004.01

Logged By: KM

Date Started: 11/24/25 and 12/2/25

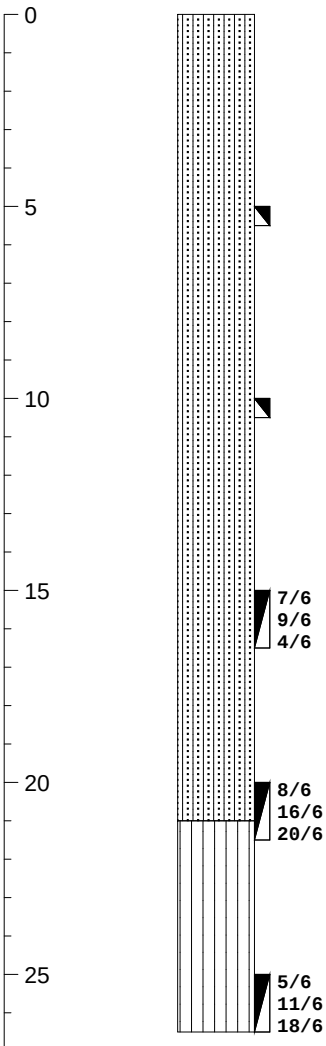
Drilled By: JS

Auger Type: HSA

Drill Type: CME 75

Depth to Groundwater: NE

Elevation:



DEPTH (feet)	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0	SM	Silty Sand; moist, fine grained, brown, no odors		
5				PID = 0.0 ppm
10				PID = 0.0 ppm
		Less silt, fine to medium grained, medium dense		
15			13	PID = 0.0 ppm
20			36	PID = 0.0 ppm
	ML	Silt, moist, hard, slightly plastic, brown, no odor		
25		Very stiff	29	PID = 0.0 ppm
		Bottom of Boring		

Notes: *Hand cleared boring to 10 feet on 11/24/25. Completed boring with mobile drill rig on 12/2/25. Backfilled boring with neat cement upon completion.*

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING E-6

Project: Proposed Fresno Courthouse Park

Location: 2200 Fresno Street, Fresno, California

Project Number: C88004.01

Logged By: KM

Date Started: 11/24/25 and 12/2/25

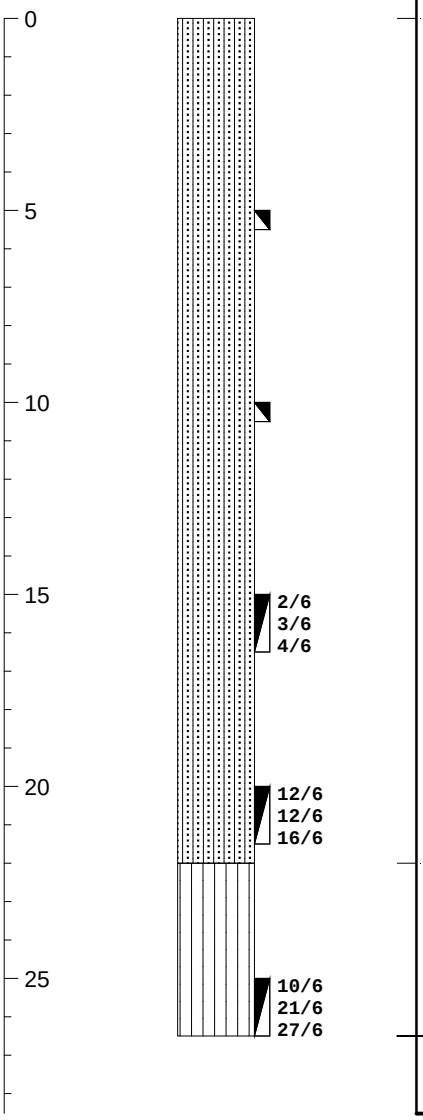
Drilled By: JS

Auger Type: HSA

Drill Type: CME 75

Depth to Groundwater: NE

Elevation:



DEPTH (feet)	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0	SM	Silty Sand; moist, fine grained, brown, no odors		
5				PID = 0.0 ppm
10				PID = 0.0 ppm
15		Less silt, fine to medium grained, loose	7	PID = 0.0 ppm
20		Fine grained, more silt (30%)	28	PID = 0.0 ppm
	ML	Silt, moist, very stiff, slightly plastic, brown, no odor		
25		Hard	48	PID = 0.0 ppm
		Bottom of Boring		

Notes: *Hand cleared boring to 10 feet on 11/24/25. Completed boring with mobile drill rig on 12/2/25. Backfilled boring with neat cement upon completion.*

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING SG-1

Project: Proposed Fresno Courthouse Park

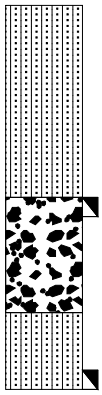
Location: 2200 Fresno Street, Fresno, California **Project Number:** C88004.01

Logged By: KM **Date Started:** 11/19/25

Drilled By: KM

Auger Type: 3-inch Diameter Bucket **Drill Type:** Hand Auger

Depth to Groundwater: NE **Elevation:**

DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0		SM	Silty Sand; moist, fine to medium grained, brown, no odors		
5		GW	Well Graded Gravel (Fill), subrounded, gray, no odors		PID = 0.0 ppm
		SM	Silty Sand, moist, fine to medium grained, brown, no odor		PID = 0.0 ppm
10			Bottom of Boring		
15					
20					
25					

Notes: *Constructed soil gas well SG-1 upon boring completion.*

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING SG-2

Project: Proposed Fresno Courthouse Park

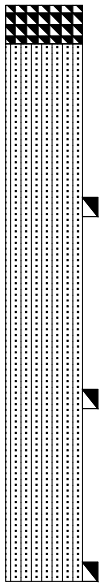
Location: 2200 Fresno Street, Fresno, California **Project Number:** C88004.01

Logged By: KM **Date Started:** 11/19/25

Drilled By: KM

Auger Type: 3-inch Diameter Bucket **Drill Type:** Hand Auger

Depth to Groundwater: NE **Elevation:**

DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0		RC	9.5" Reinforced Concrete		
			4" Aggregate Base		
		SM	Silty Sand; moist, fine to medium grained, brown, no odors		
			Slightly cemented, light brown		
5					PID = 0.0 ppm
			Non-cemented, brown		
10					PID = 0.0 ppm
15					PID = 0.0 ppm
			Bottom of Boring		
20					
25					

Notes: *Boring located at basement level which represents approximately 10 feet below site grade at the gasoline UST location. Constructed soil gas well SG-2 upon boring completion.*

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING SG-3

Project: Proposed Fresno Courthouse Park

Location: 2200 Fresno Street, Fresno, California

Project Number: C88004.01

Logged By: KM

Date Started: 11/19/25

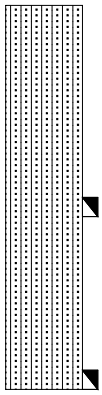
Drilled By: KM

Auger Type: 3-inch Diameter Bucket

Drill Type: Hand Auger

Depth to Groundwater: NE

Elevation:

DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0		SM	Silty Sand; moist, fine to medium grained, brown, no odors		
5					PID = 0.0 ppm
10			Bottom of Boring		PID = 0.0 ppm
15					
20					
25					

Notes: *Constructed soil gas well SG-3 upon boring completion.*

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING SG-4

Project: Proposed Fresno Courthouse Park

Location: 2200 Fresno Street, Fresno, California

Project Number: C88004.01

Logged By: KM

Date Started: 11/24/25 and 12/1/25

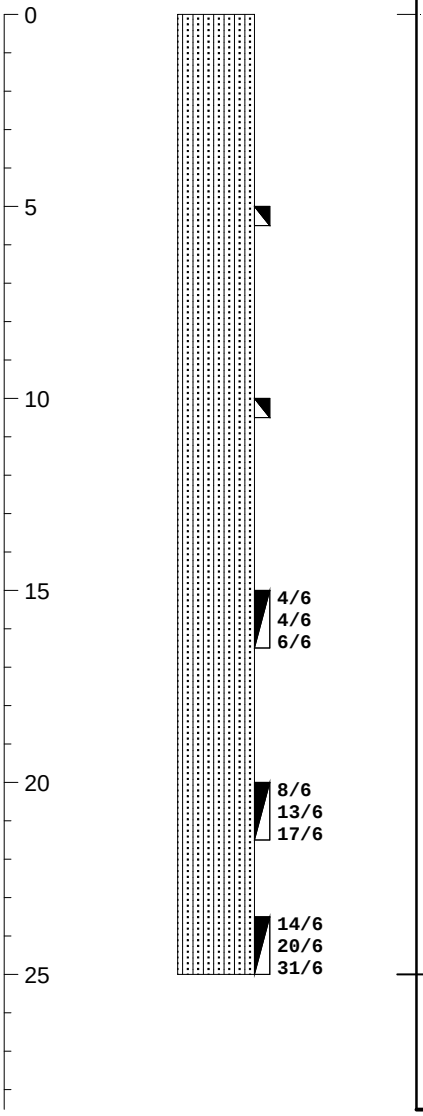
Drilled By: JS

Auger Type: 4-inch Diameter Soild Flight

Drill Type: CME 75

Depth to Groundwater: NE

Elevation:



DEPTH (feet)	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0	SM	Silty Sand; moist, fine grained, brown, no odors		
5				PID = 0.0 ppm
10				PID = 0.0 ppm
15		Fine to medium grained, loose	10	PID = 0.0 ppm
20		Medium dense	30	PID = 0.0 ppm
25		Very hard	>50	PID = 0.0 ppm
		Bottom of Boring		

Notes: *Hand cleared boring to 10 feet on 11/24/25. Completed boring with mobile drill rig on 12/1/25. Constructed nested soil gas well SG-4 upon completion.*

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING SG-5

Project: Proposed Fresno Courthouse Park

Location: 2200 Fresno Street, Fresno, California

Project Number: C88004.01

Logged By: KM

Date Started: 11/24/25 and 12/1/25

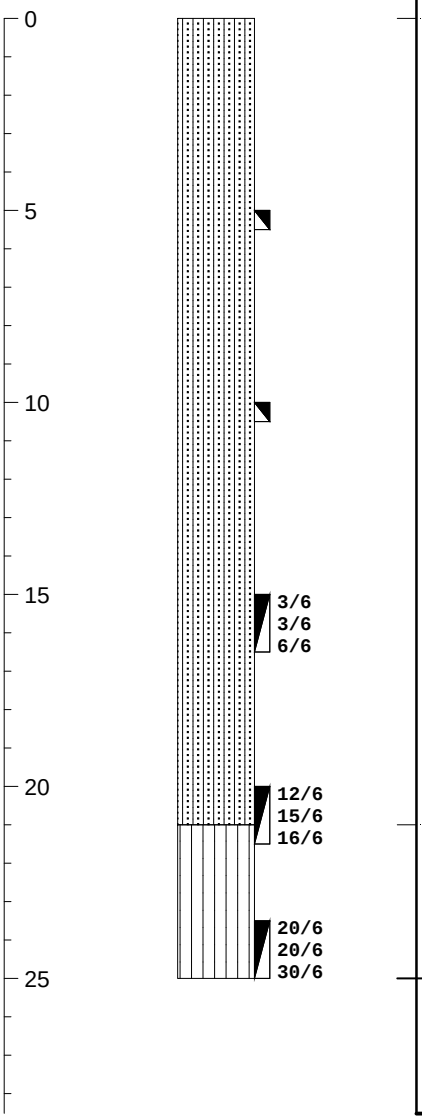
Drilled By: JS

Auger Type: 4-inch Diameter Soild Flight

Drill Type: CME 75

Depth to Groundwater: NE

Elevation:



DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0		SM	Silty Sand; moist, fine grained, brown, no odors		
5					PID = 0.0 ppm
10					PID = 0.0 ppm
15	3/6 3/6 6/6		Fine to medium grained, loose	9	PID = 0.0 ppm
20	12/6 15/6 16/6	ML	Silt, moist, hard, slightly plastic, brown, no odor	31	PID = 0.0 ppm
25	20/6 20/6 30/6			50	PID = 0.0 ppm
			Bottom of Boring		

Notes: *Hand cleared boring to 10 feet on 11/24/25. Completed boring with mobile drill rig on 12/1/25. Constructed nested soil gas well SG-5 upon completion.*

KEY TO SYMBOLS

Symbol	Description
Strata symbols	
	Reinforced Concrete
	Silty sand
	Poorly graded sand
	Well graded gravel
	Silt
	Poorly graded gravel
Soil Samplers	
	Bulk/Grab sample
	Standard penetration test

Notes:

1. BSG = below surface grade.
2. PID = photoionization detector
3. ppm = parts per million
4. Boring locations are referenced to existing site features.
5. These logs are subject to the limitations, conclusions, and recommendations in this report.

APPENDIX C

LABORATORY ANALYTICAL REPORTS

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

January 05, 2026

Work Order #: **LK19070**

Keith Mayes
MTA Environmental Division
2527 Fresno Street
Fresno, CA 93721

RE: J.C.C.Courthouse Park Redevelopement,2200 FresnoSt

Enclosed are the analytical results for samples received by our laboratory on **11/19/25** . For your reference, these analyses have been assigned laboratory work order number **LK19070**.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.



Susan Federico
Client Services Representative

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

Analytical Report for the Following Samples

Sample ID	Notes	Laboratory ID	Matrix	Date Sampled	Date Received
E1-5'		LK19070-01	Soil	11/19/25 10:00	11/19/25 16:38
E1-10'		LK19070-02	Soil	11/19/25 14:35	11/19/25 16:38
E1-25'		LK19070-03	Soil	11/19/25 15:00	11/19/25 16:38
E2-5'		LK19070-04	Soil	11/19/25 08:24	11/19/25 16:38
E2-10'		LK19070-05	Soil	11/19/25 08:43	11/19/25 16:38
E2-20'		LK19070-06	Soil	11/19/25 09:35	11/19/25 16:38
E3-5'		LK19070-07	Soil	11/19/25 13:40	11/19/25 16:38
SG1-10'		LK19070-08	Soil	11/19/25 12:15	11/19/25 16:38
SG2-15'		LK19070-09	Soil	11/19/25 10:45	11/19/25 16:38
SG2-25'		LK19070-10	Soil	11/19/25 11:40	11/19/25 16:38
SG3-5'		LK19070-11	Soil	11/19/25 14:35	11/19/25 16:38

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E1-5'

LK19070-01 (Soil) Sampled: 11/19/25 10:00

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Chromium		**12**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Lead		**3.0**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Nickel		**11**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Zinc		**14**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Surr: o-Terphenyl		*48.4%*	*Recovery Limits: 11.8% - 130%*			*B5K2401*	11/25/25	11/26/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethane		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloropropene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0040	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloropropane		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichloropropane		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2,2-Dichloropropane		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Butanone (MEK)		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.016	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chlorotoluene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Hexanone		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Chlorotoluene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acetone		ND	0.016	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrolein		ND	0.040	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrylonitrile		ND	0.0080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Benzene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromobenzene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E1-5'

LK19070-01 (Soil) Sampled: 11/19/25 10:00

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Bromochloromethane		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromodichloromethane		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromoform		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromomethane		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon disulfide		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon tetrachloride		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chlorobenzene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroethane		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroform		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloromethane		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroprene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromochloromethane		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromomethane		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethanol		ND	0.040	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl methacrylate		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethylbenzene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Hexachlorobutadiene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Iodomethane		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Isopropylbenzene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
m,p-Xylene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl Methacrylate		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methylene chloride		**0.0042**	0.0016	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Naphthalene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Butylbenzene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Propylbenzene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
o-Xylene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
p-Isopropyltoluene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
sec-Butylbenzene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Styrene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.016	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butylbenzene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Toluene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichloroethene (TCE)		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division 2527 Fresno Street Fresno CA, 93721	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt **Project Number:** Judicial Council of California Courthouse Park **Project Manager:** Keith Mayes	**Reported:** 01/05/2026

E1-5'

LK19070-01 (Soil) Sampled: 11/19/25 10:00

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Trichlorofluoromethane (CFC-11)		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl acetate		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl chloride		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Xylenes		ND	0.00080	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*94.9%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Dibromofluoromethane		*104%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Toluene-d8		*101%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*

E1-10'

LK19070-02 (Soil) Sampled: 11/19/25 14:35

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		**0.87**	0.40	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Chromium		**23**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Lead		**7.9**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Nickel		**25**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Zinc		**69**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Surr: o-Terphenyl		*55.0%*	*Recovery Limits: 11.8% - 130%*			*B5K2401*	11/25/25	11/26/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethane		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloropropene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0047	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E1-10'

LK19070-02 (Soil) Sampled: 11/19/25 14:35

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
1,2-Dichloropropane		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichloropropane		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2,2-Dichloropropane		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Butanone (MEK)		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.019	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chlorotoluene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Hexanone		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Chlorotoluene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acetone		ND	0.019	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrolein		ND	0.047	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrylonitrile		ND	0.0095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Benzene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromobenzene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromochloromethane		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromodichloromethane		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromoform		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromomethane		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon disulfide		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon tetrachloride		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chlorobenzene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroethane		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroform		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloromethane		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroprene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromochloromethane		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromomethane		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethanol		ND	0.047	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl methacrylate		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethylbenzene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Hexachlorobutadiene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Iodomethane		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Isopropylbenzene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
m,p-Xylene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl Methacrylate		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E1-10'

LK19070-02 (Soil) Sampled: 11/19/25 14:35

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Methylene chloride		**0.0045**	0.0019	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Naphthalene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Butylbenzene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Propylbenzene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
o-Xylene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
p-Isopropyltoluene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
sec-Butylbenzene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Styrene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.019	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butylbenzene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Toluene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichloroethene (TCE)		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl acetate		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl chloride		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Xylenes		ND	0.00095	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*96.0%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Dibromofluoromethane		*99.4%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Toluene-d8		*98.4%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*

E1-25'

LK19070-03 (Soil) Sampled: 11/19/25 15:00

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		**0.82**	0.40	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Chromium		**12**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Lead		**9.3**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Nickel		**20**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Zinc		**81**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Surr: o-Terphenyl		*56.3%*	*Recovery Limits: 11.8% - 130%*			*B5K2401*	11/25/25	11/26/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B

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California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E1-25'

LK19070-03 (Soil) Sampled: 11/19/25 15:00

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethane		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloropropene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0044	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloropropane		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichloropropane		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2,2-Dichloropropane		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Butanone (MEK)		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.017	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chlorotoluene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Hexanone		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Chlorotoluene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acetone		ND	0.017	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrolein		ND	0.044	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrylonitrile		ND	0.0087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Benzene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromobenzene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromochloromethane		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromodichloromethane		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromoform		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromomethane		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon disulfide		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon tetrachloride		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chlorobenzene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroethane		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroform		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloromethane		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroprene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E1-25'

LK19070-03 (Soil) Sampled: 11/19/25 15:00

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
cis-1,3-Dichloropropene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromochloromethane		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromomethane		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethanol		ND	0.044	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl methacrylate		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethylbenzene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Hexachlorobutadiene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Iodomethane		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Isopropylbenzene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
m,p-Xylene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl Methacrylate		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methylene chloride		**0.0052**	0.0017	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Naphthalene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Butylbenzene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Propylbenzene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
o-Xylene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
p-Isopropyltoluene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
sec-Butylbenzene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Styrene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.017	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butylbenzene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Toluene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichloroethene (TCE)		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl acetate		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl chloride		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Xylenes		ND	0.00087	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*96.1%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Dibromofluoromethane		*97.7%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Toluene-d8		*97.0%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E2-5'

LK19070-04 (Soil) Sampled: 11/19/25 08:24

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Chromium		**15**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Lead		**9.4**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Nickel		**16**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Zinc		**22**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Surr: o-Terphenyl		*65.2%*	*Recovery Limits: 11.8% - 130%*			*B5K2401*	11/25/25	11/26/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethane		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloropropene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0042	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloropropane		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichloropropane		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2,2-Dichloropropane		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Butanone (MEK)		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.017	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chlorotoluene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Hexanone		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Chlorotoluene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acetone		ND	0.017	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrolein		ND	0.042	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrylonitrile		ND	0.0085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Benzene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromobenzene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E2-5'

LK19070-04 (Soil) Sampled: 11/19/25 08:24

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Bromochloromethane		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromodichloromethane		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromoform		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromomethane		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon disulfide		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon tetrachloride		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chlorobenzene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroethane		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroform		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloromethane		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroprene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromochloromethane		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromomethane		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethanol		ND	0.042	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl methacrylate		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethylbenzene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Hexachlorobutadiene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Iodomethane		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Isopropylbenzene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
m,p-Xylene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl Methacrylate		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methylene chloride		**0.0040**	0.0017	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Naphthalene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Butylbenzene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Propylbenzene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
o-Xylene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
p-Isopropyltoluene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
sec-Butylbenzene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Styrene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.017	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butylbenzene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Toluene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichloroethene (TCE)		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division 2527 Fresno Street Fresno CA, 93721	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt **Project Number:** Judicial Council of California Courthouse Park **Project Manager:** Keith Mayes	**Reported:** 01/05/2026

E2-5'

LK19070-04 (Soil) Sampled: 11/19/25 08:24

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Trichlorofluoromethane (CFC-11)		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl acetate		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl chloride		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Xylenes		ND	0.00085	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*95.5%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Dibromofluoromethane		*103%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Toluene-d8		*99.3%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*

E2-10'

LK19070-05 (Soil) Sampled: 11/19/25 08:43

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Chromium		**11**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Lead		**2.9**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Nickel		**14**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Zinc		**15**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Surr: o-Terphenyl		*71.5%*	*Recovery Limits: 11.8% - 130%*			*B5K2401*	11/25/25	11/26/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethane		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloropropene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0045	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E2-10'

LK19070-05 (Soil) Sampled: 11/19/25 08:43

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
1,2-Dichloropropane		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichloropropane		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2,2-Dichloropropane		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Butanone (MEK)		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.018	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chlorotoluene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Hexanone		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Chlorotoluene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acetone		ND	0.018	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrolein		ND	0.045	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrylonitrile		ND	0.0090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Benzene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromobenzene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromochloromethane		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromodichloromethane		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromoform		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromomethane		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon disulfide		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon tetrachloride		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chlorobenzene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroethane		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroform		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloromethane		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroprene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromochloromethane		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromomethane		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethanol		ND	0.045	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl methacrylate		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethylbenzene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Hexachlorobutadiene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Iodomethane		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Isopropylbenzene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
m,p-Xylene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl Methacrylate		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E2-10'

LK19070-05 (Soil) Sampled: 11/19/25 08:43

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Methylene chloride		**0.0042**	0.0018	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Naphthalene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Butylbenzene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Propylbenzene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
o-Xylene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
p-Isopropyltoluene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
sec-Butylbenzene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Styrene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.018	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butylbenzene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Toluene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichloroethene (TCE)		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl acetate		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl chloride		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Xylenes		ND	0.00090	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*96.3%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Dibromofluoromethane		*103%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Toluene-d8		*98.9%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*

E2-20'

LK19070-06 (Soil) Sampled: 11/19/25 09:35

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Chromium		**4.9**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Lead		ND	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Nickel		**7.5**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Zinc		**17**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Surr: o-Terphenyl		*65.6%*	*Recovery Limits: 11.8% - 130%*			*B5K2401*	11/25/25	11/26/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E2-20'

LK19070-06 (Soil) Sampled: 11/19/25 09:35

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloropropene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0050	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloropropane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichloropropane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2,2-Dichloropropane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Butanone (MEK)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.020	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chlorotoluene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Hexanone		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Chlorotoluene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acetone		ND	0.020	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrolein		ND	0.050	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrylonitrile		ND	0.010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Benzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromochloromethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromodichloromethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromoform		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromomethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon disulfide		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon tetrachloride		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroform		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloromethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroprene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E2-20'

LK19070-06 (Soil) Sampled: 11/19/25 09:35

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
cis-1,3-Dichloropropene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromochloromethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromomethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethanol		ND	0.050	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl methacrylate		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Hexachlorobutadiene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Iodomethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Isopropylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
m,p-Xylene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl Methacrylate		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methylene chloride		**0.0045**	0.0020	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Naphthalene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Butylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Propylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
o-Xylene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
p-Isopropyltoluene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
sec-Butylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Styrene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.020	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Toluene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichloroethene (TCE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl acetate		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl chloride		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Xylenes		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*97.2%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Dibromofluoromethane		*105%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Toluene-d8		*100%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E3-5'

LK19070-07 (Soil) Sampled: 11/19/25 13:40

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Chromium		**15**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Lead		**6.4**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Nickel		**17**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Zinc		**19**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Surr: o-Terphenyl		*50.4%*	*Recovery Limits: 11.8% - 130%*			*B5K2401*	11/25/25	11/26/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		**20**	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethane		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloropropene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0038	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloropropane		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichloropropane		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2,2-Dichloropropane		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Butanone (MEK)		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.015	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chlorotoluene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Hexanone		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Chlorotoluene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acetone		ND	0.015	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrolein		ND	0.038	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrylonitrile		ND	0.0077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Benzene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E3-5'

LK19070-07 (Soil) Sampled: 11/19/25 13:40

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Bromobenzene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromochloromethane		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromodichloromethane		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromoform		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromomethane		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon disulfide		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon tetrachloride		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chlorobenzene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroethane		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroform		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloromethane		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroprene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromochloromethane		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromomethane		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethanol		ND	0.038	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl methacrylate		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethylbenzene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Hexachlorobutadiene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Iodomethane		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Isopropylbenzene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
m,p-Xylene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl Methacrylate		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methylene chloride		**0.0045**	0.0015	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Naphthalene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Butylbenzene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Propylbenzene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
o-Xylene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
p-Isopropyltoluene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
sec-Butylbenzene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Styrene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.015	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butylbenzene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Toluene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division 2527 Fresno Street Fresno CA, 93721	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt **Project Number:** Judicial Council of California Courthouse Park **Project Manager:** Keith Mayes	**Reported:** 01/05/2026

E3-5'

LK19070-07 (Soil) Sampled: 11/19/25 13:40

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Trichloroethene (TCE)		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl acetate		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl chloride		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Xylenes		ND	0.00077	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*95.6%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Dibromofluoromethane		*103%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Toluene-d8		*102%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*

SG1-10'

LK19070-08 (Soil) Sampled: 11/19/25 12:15

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Chromium		**14**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Lead		**9.3**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Nickel		**15**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Zinc		**24**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Surr: o-Terphenyl		*94.3%*	*Recovery Limits: 11.8% - 130%*			*B5K2401*	11/25/25	11/26/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethane		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloropropene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0041	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

SG1-10'

LK19070-08 (Soil) Sampled: 11/19/25 12:15

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
1,2-Dichloroethane (1,2-DCA)		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloropropane		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichloropropane		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2,2-Dichloropropane		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Butanone (MEK)		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.016	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chlorotoluene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Hexanone		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Chlorotoluene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acetone		ND	0.016	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrolein		ND	0.041	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrylonitrile		ND	0.0081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Benzene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromobenzene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromochloromethane		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromodichloromethane		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromoform		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromomethane		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon disulfide		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon tetrachloride		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chlorobenzene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroethane		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroform		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloromethane		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroprene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromochloromethane		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromomethane		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethanol		ND	0.041	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl methacrylate		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethylbenzene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Hexachlorobutadiene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Iodomethane		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Isopropylbenzene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
m,p-Xylene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl Methacrylate		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

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MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

SG1-10'

LK19070-08 (Soil) Sampled: 11/19/25 12:15

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Methyl tert-Butyl Ether (MTBE)		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methylene chloride		**0.0040**	0.0016	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Naphthalene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Butylbenzene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Propylbenzene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
o-Xylene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
p-Isopropyltoluene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
sec-Butylbenzene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Styrene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.016	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butylbenzene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Toluene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichloroethene (TCE)		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl acetate		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl chloride		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Xylenes		ND	0.00081	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*91.9%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Dibromofluoromethane		*103%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Toluene-d8		*100%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*

SG2-15'

LK19070-09 (Soil) Sampled: 11/19/25 10:45

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Chromium		**9.7**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Lead		**2.3**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Nickel		**11**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Zinc		**16**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Surr: o-Terphenyl		*63.7%*	*Recovery Limits: 11.8% - 130%*			*B5K2401*	11/25/25	11/26/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B

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California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

SG2-15'

LK19070-09 (Soil) Sampled: 11/19/25 10:45

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloropropene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0050	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloropropane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichloropropane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2,2-Dichloropropane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Butanone (MEK)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.020	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chlorotoluene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Hexanone		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Chlorotoluene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acetone		ND	0.020	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrolein		ND	0.050	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrylonitrile		ND	0.010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Benzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromochloromethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromodichloromethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromoform		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromomethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon disulfide		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon tetrachloride		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroform		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloromethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroprene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

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MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

SG2-15'

LK19070-09 (Soil) Sampled: 11/19/25 10:45

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
cis-1,3-Dichloropropene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromochloromethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromomethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethanol		ND	0.050	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl methacrylate		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Hexachlorobutadiene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Iodomethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Isopropylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
m,p-Xylene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl Methacrylate		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methylene chloride		**0.0041**	0.0020	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Naphthalene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Butylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Propylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
o-Xylene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
p-Isopropyltoluene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
sec-Butylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Styrene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.020	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Toluene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichloroethene (TCE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl acetate		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl chloride		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Xylenes		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*96.5%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Dibromofluoromethane		*99.4%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Toluene-d8		*99.0%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

SG2-25'

LK19070-10 (Soil) Sampled: 11/19/25 11:40

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Chromium		**4.5**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Lead		ND	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Nickel		**6.1**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Zinc		**15**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Surr: o-Terphenyl		*47.9%*	*Recovery Limits: 11.8% - 130%*			*B5L0211*	12/03/25	12/04/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloropropene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0050	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloropropane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichloropropane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2,2-Dichloropropane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Butanone (MEK)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.020	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chlorotoluene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Hexanone		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Chlorotoluene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acetone		ND	0.020	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrolein		ND	0.050	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrylonitrile		ND	0.010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Benzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

SG2-25'

LK19070-10 (Soil) Sampled: 11/19/25 11:40

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Bromochloromethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromodichloromethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromoform		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromomethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon disulfide		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon tetrachloride		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroform		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloromethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroprene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromochloromethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromomethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethanol		ND	0.050	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl methacrylate		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Hexachlorobutadiene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Iodomethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Isopropylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
m,p-Xylene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl Methacrylate		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methylene chloride		**0.0064**	0.0020	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Naphthalene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Butylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Propylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
o-Xylene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
p-Isopropyltoluene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
sec-Butylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Styrene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.020	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Toluene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichloroethene (TCE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division 2527 Fresno Street Fresno CA, 93721	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt **Project Number:** Judicial Council of California Courthouse Park **Project Manager:** Keith Mayes	**Reported:** 01/05/2026

SG2-25'

LK19070-10 (Soil) Sampled: 11/19/25 11:40

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Trichlorofluoromethane (CFC-11)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl acetate		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl chloride		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Xylenes		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*93.4%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Dibromofluoromethane		*103%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Toluene-d8		*98.4%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*

SG3-5'

LK19070-11 (Soil) Sampled: 11/19/25 14:35

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Chromium		**16**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Lead		**18**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Nickel		**21**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Zinc		**25**	2.0	mg/kg	1	B5K2001	11/21/25	11/21/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Surr: o-Terphenyl		*50.4%*	*Recovery Limits: 11.8% - 130%*			*B5K2401*	11/25/25	11/26/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloroethene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,1-Dichloropropene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0050	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

SG3-5'

LK19070-11 (Soil) Sampled: 11/19/25 14:35

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
1,2-Dichloropropane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,3-Dichloropropane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2,2-Dichloropropane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Butanone (MEK)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.020	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Chlorotoluene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
2-Hexanone		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Chlorotoluene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acetone		ND	0.020	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrolein		ND	0.050	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Acrylonitrile		ND	0.010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Benzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromochloromethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromodichloromethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromoform		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Bromomethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon disulfide		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Carbon tetrachloride		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chlorobenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroform		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloromethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Chloroprene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromochloromethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dibromomethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethanol		ND	0.050	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl methacrylate		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Ethylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Hexachlorobutadiene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Iodomethane		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Isopropylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
m,p-Xylene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl Methacrylate		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** Judicial Council of California Courthouse Park	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

SG3-5'

LK19070-11 (Soil) Sampled: 11/19/25 14:35

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Methylene chloride		**0.0042**	0.0020	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Naphthalene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Butylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
n-Propylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
o-Xylene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
p-Isopropyltoluene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
sec-Butylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Styrene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.020	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
tert-Butylbenzene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Toluene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichloroethene (TCE)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl acetate		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Vinyl chloride		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Xylenes		ND	0.0010	mg/kg	1	B5L0126	11/25/25	11/25/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*95.0%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Dibromofluoromethane		*96.9%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*
Surr: Toluene-d8		*99.4%*	*Recovery Limits: 70% - 130%*			*B5L0126*	11/25/25	11/25/25	*EPA 8260B*

Notes and Definitions

RPD	The RPD result exceeded the QC control limits. However, both percent recoveries were acceptable.
µg/L	micrograms per liter (parts per billion concentration units)
mg/L	milligrams per liter (parts per million concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference

Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field.
If the test was performed in the laboratory, the hold time was exceeded. **(for aqueous matrices only)**

BSK Associates Laboratory Fresno
687 N. Laverne Avenue
Fresno, CA 93727
559-497-2888 (Main)

AIK2641
12/03/2025
Invoice: AI31108

Susan Federico
Moore Twining Associates
2527 Fresno Street
Fresno, CA 93721

RE: Report for AIK2641 General

Dear Susan Federico,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 11/20/2025. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2016 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

This certificate of analysis shall not be reproduced except in full, without written approval of the laboratory.

If additional clarification of any information is required, please contact your Client Services Representative, Heather S. Johnson , at 559-497-2888.

Thank you again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Heather S. Johnson, Project Manager

Accredited in Accordance with NELAP
ORELAP #4021

Case Narrative

Project and Report Details		Invoice Details	
Client:	Moore Twining Associates	**Invoice To:**	Moore Twining Associates
Report To:	Susan Federico	**Invoice Attn:**	Denise Willis
Project #:	LK19070	**Project PO#:**	43448
Received:	11/20/2025 - 14:39		
Report Due:	12/08/2025		

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 4.5

Containers Intact
COC/Labels Agree
Received On Blue Ice
Packing Material - Other
Sample(s) were received in temperature range.
Initial receipt at BSK-FAL

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

None applied

Report Distribution

Recipient(s)	Report Format	CC:
Danielle Abrames	FINAL.RPT	susanf@mooretwining.com;laurenc@mooretwining.com;gregb@mooretwining.com

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Sample ID: AIK2641-01
Sampled By: Client
Sample Description: LK19070-01 // E1-5'

Sample Date - Time: 11/19/2025 - 10:00
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIK1565	11/25/25	11/25/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	105 %	*Acceptable range: 50-150 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Sample ID: AIK2641-02
Sampled By: Client
Sample Description: LK19070-02 // E1-10'

Sample Date - Time: 11/19/2025 - 14:35
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1100	ug/kg	1.1	AIK1565	11/25/25	11/25/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	102 %	*Acceptable range: 50-150 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Sample ID: AIK2641-03
Sampled By: Client
Sample Description: LK19070-03 // E1-25'

Sample Date - Time: 11/19/2025 - 15:00
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIK1565	11/25/25	11/25/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	97 %	*Acceptable range: 50-150 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Sample ID: AIK2641-04
Sampled By: Client
Sample Description: LK19070-04 // E2-5'

Sample Date - Time: 11/19/2025 - 08:24
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIK1565	11/25/25	11/25/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	105 %	*Acceptable range: 50-150 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Sample ID: AIK2641-05
Sampled By: Client
Sample Description: LK19070-05 // E2-10'

Sample Date - Time: 11/19/2025 - 08:43
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIK1565	11/25/25	11/25/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	104 %	*Acceptable range: 50-150 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Sample ID: AIK2641-06
Sampled By: Client
Sample Description: LK19070-06 // E2-20'

Sample Date - Time: 11/19/2025 - 09:35
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIK1565	11/25/25	11/25/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	108 %	*Acceptable range: 50-150 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Sample ID: AIK2641-07
Sampled By: Client
Sample Description: LK19070-07 // E3-5'

Sample Date - Time: 11/19/2025 - 13:40
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIK1621	11/25/25	11/26/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	98 %	*Acceptable range: 50-150 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Sample ID: AIK2641-08
Sampled By: Client
Sample Description: LK19070-08 // SG1-10'

Sample Date - Time: 11/19/2025 - 12:15
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIK1621	11/25/25	11/26/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	101 %	*Acceptable range: 50-150 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Sample ID: AIK2641-09
Sampled By: Client
Sample Description: LK19070-09 // SG2-15'

Sample Date - Time: 11/19/2025 - 10:45
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIK1621	11/25/25	11/26/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	100 %	*Acceptable range: 50-150 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Sample ID: AIK2641-10
Sampled By: Client
Sample Description: LK19070-10 // SG2-25'

Sample Date - Time: 11/19/2025 - 11:40
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIK1621	11/25/25	11/26/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	105 %	*Acceptable range: 50-150 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Sample ID: AIK2641-11
Sampled By: Client
Sample Description: LK19070-11 // SG3-5'

Sample Date - Time: 11/19/2025 - 14:35
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIK1621	11/25/25	11/26/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	104 %	*Acceptable range: 50-150 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BSK Associates Laboratory Fresno

Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 8260D - Quality Control											
Batch: AIK1565										Prepared: 11/25/2025	
Prep Method: no prep-volatiles										Analyst: ETH	
Blank (AIK1565-BLK1)											
Gasoline Range Organics (C6-10)	ND	1000	ug/kg							11/25/25	
Surrogate: 1,2-Dichloroethane-d4	*50*			*50*		*100*	*50-150*			11/25/25	
Blank Spike (AIK1565-BS2)											
Gasoline Range Organics (C6-10)	4900	1000	ug/kg	5000	ND	97	50-150			11/25/25	
Surrogate: 1,2-Dichloroethane-d4	*50*			*50*		*100*	*50-150*			11/25/25	
EPA 8260D - Quality Control											
Batch: AIK1621										Prepared: 11/25/2025	
Prep Method: no prep-volatiles										Analyst: ETH	
Blank (AIK1621-BLK1)											
Gasoline Range Organics (C6-10)	ND	1000	ug/kg							11/26/25	
Surrogate: 1,2-Dichloroethane-d4	*52*			*50*		*103*	*50-150*			11/26/25	
Blank Spike (AIK1621-BS1)											
Gasoline Range Organics (C6-10)	4700	1000	ug/kg	5000	ND	94	50-150			11/26/25	
Surrogate: 1,2-Dichloroethane-d4	*50*			*50*		*100*	*50-150*			11/26/25	
Blank Spike Dup (AIK1621-BSD1)											
Gasoline Range Organics (C6-10)	4300	1000	ug/kg	5000	ND	86	50-150	8	30	11/26/25	
Surrogate: 1,2-Dichloroethane-d4	*51*			*50*		*102*	*50-150*			11/26/25	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Field tests are outside the scope of laboratory accreditation and there is no certification available for field testing.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.
- (2) - Formerly known as Bis(2-Chloroisopropyl) ether.
  Unless otherwise noted, TOC results by SM 5310C method do not include purgeable organic carbon, which is removed along with the inorganic carbon interference. The POC contribution to TOC is considered to be negligible.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected below MRL/MDL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	PicoCuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit	U:	The analyte was not detected at or above the reported sample quantitation limit.

Please see the individual Subcontract Lab's report for applicable certifications.

The following parameters are not available for certification through CA ELAP:

Odor Diisopropyl ether (DIPE) by EPA 524.2

The following parameters are calculated values and are outside the scope of our NELAP accreditation:

Total Nitrogen Aggressive Index Trivalent Chromium

BSK is not accredited under the NELAP program for the following additional parameters: **NA**

Certificate of Analysis

Certifications: **Please refer to our website for a copy of our Accredited Fields of Testing under each certification.**

Bakersfield

State of California - ELAP	1180-S3

Fresno

State of California - ELAP	1180	State of Hawaii	4021
Los Angeles CSD	9254479	NELAP certified	4021-025
State of Nevada	NV-C25-00264	State of Oregon - NELAP	4021-025
EPA UCMR5	CA00079	State of Washington	C997-25

Sacramento

State of California - ELAP	1180-S1

San Bernardino

State of California - ELAP	1180-S2	Los Angeles CSD	9254478
NELAP certified	4119-010	State of Oregon - NELAP	4119-010

Vancouver

NELAP certified	WA100008-021	State of Oregon - NELAP	WA100008-021
State of Washington	C824-25		

AIK2641 Moore7021 11/20/2025

BSK-SR-0002-01 Effective Date: 7/16/2025

Sample Integrity

BSK Bottles: Yes (No) Page 1 of 1

COC Info

Was temperature within range? Chemistry ≤ 6°C Micro < 8°C	(Yes) No NA	Were correct containers and preservatives received for the tests requested?	(Yes) No
If samples were taken today, is there evidence that chilling has begun?	(Yes) No NA	Bubbles Present VOAs (524.2/TTHM/TCP)? TB Received? (Check Method Below)	Yes No (NA) Yes No (NA)
Did all bottles arrive unbroken and intact?	(Yes) No	Was a sufficient amount of sample received?	(Yes) No
Did all bottle labels agree with COC?	(Yes) No	**Do samples have a hold time <72 hours?**	Yes (No)
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes (NA)	Was PM notified of discrepancies? PM: Pat: email scan copy	Yes No (NA)

Bottles Received

"—" means preservation/chlorine checks are either N/A or are performed in the lab

250ml(A) 500ml(B) 1Liter(C) 40mlVOA(V) 125ml(D)	Checks*	Passed?	1-5T2
Bacti $Na_2S_2O_3$	—	—	
None (P) White Label	—	—	
Cr6 (P) Lt. Green Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ DW	**Cl, pH > 8**	P F	
Cr6 (P) Pink Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ **WW**	pH 9.3-9.7	P F	
Cr6 (P) Black Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ 7199 ****24 HOUR HOLD TIME****	**pH 9.0-9.5**	P F	
HNO_3 (P) Red Label or HCl (P) Purple Cap/Lt. Blue Label	—	—	
H_2SO_4 (P) or (AG) Yellow Label	**pH < 2**	P F	
NaOH (P) Green Cap/Label	Cl, pH >10	P F	
NaOH + ZnAc (P)	**pH > 9**	P F	
Dissolved Oxygen 300ml (g)	—	—	
None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	—	—	
HCl (AG) Lt. Blue Label O&G, Diesel	—	—	
Ascorbic, EDTA, KH_2Ct (AG) Pink Label 525	—	—	
Na_2SO_3 (AG) Neon Green Label 515	—	—	
$Na_2S_2O_3$ 1 Liter (Brown P) 549	—	—	
$Na_2S_2O_3$ (AG) Blue Label 548, THM, 524	—	—	
$Na_2S_2O_3$ (CG) Blue Label 504, 505, 547	—	—	
$Na_2S_2O_3$ + MCAA (CG) Orange Label 531	pH < 3	P F	
NH_4Cl (AG) Purple Label 552	—	—	
EDA (P) or (AG) Brown Label DBPs	—	—	
HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624	—	—	
Ascorbic Acid (AG) **TCP DWRL**	—	—	
Buffer pH 4 (CG)	—	—	
H_3PO_4 (CG) Salmon Label	---	---	
Trizma – EPA 537.1 Light Blue Label FB	—	---	
Ammonia Acetate - EPA 533 Purple Label **FB**	—	—	
Bottle Water	—	—	
Clear Glass: Jar / VOA	—	—	
OTHER: ENCORE 5g	—	—	5

BM 11-20-25

Split

	Container	Preservative	Lot #	Initials	Date/Time
S P					
S P					

Preservation Check
pH Lot #
Cl Lot #

Comments

***Preservation check completed by lab performing analysis.**

✓ **Indicates Blanks Received**

504 ___ 524.2 ___ TTHM ___ 537/533 ___ TCP___

✓ **MS/MSD Received Method:** _____

Labeled by: **Checked by:**

Scanned: _____ Rush/Short HT Page: _____ Time:

TL

MOORE TWINING ASSOCIATES, INC.

Analytical Chemistry Division
California ELAP Certification # 1371

AIK2641 Moore7021 11/20/2025

10

Purchase Order # 43448
MTA Project # LK19070

Please reference these numbers on all reports and invoices.
We also request QC data be provided with final report.

SENDING LABORATORY:	PROJECT MANAGER / REPORT TO:	RECEIVING LABORATORY:
Moore Twining Associates, Inc 2527 Fresno Street Fresno, CA 93721 Phone: (559) 268-7021 Fax: (559) 268-0740	Susan Federico SusanF@mooretwining.com **INVOICE TO:** Denise Willis AccountsPayable@MooreTwining.com	BSK Analytical Laboratories 687 N. Laverne Avenue Fresno, CA 93727 Phone: (559) 497-2880 Fax: (559) 485-6935

SAMPLE INFORMATION — **COMMENTS / SOURCE ID**

1 **Client Sample ID: E1-5'**
MTA Sample ID: LK19070-01 **Matrix:** Soil **Sampled Date/Time:** 11/19/25 10:00
Requested Analysis: TPH-G **Holding Time Expires:** 12/03/25 10:00
Containers Supplied:
5g Encore (D) *5g Encore (E)*

2 **Client Sample ID: E1-10'**
MTA Sample ID: LK19070-02 **Matrix:** Soil **Sampled Date/Time:** 11/19/25 14:35
Requested Analysis: TPH-G **Holding Time Expires:** 12/03/25 14:35
Containers Supplied:
5g Encore (D) *5g Encore (E)*

3 **Client Sample ID: E1-25'**
MTA Sample ID: LK19070-03 **Matrix:** Soil **Sampled Date/Time:** 11/19/25 15:00
Requested Analysis: TPH-G **Holding Time Expires:** 12/03/25 15:00
Containers Supplied:
5g Encore (D) *5g Encore (E)*

4 **Client Sample ID: E2-5'**
MTA Sample ID: LK19070-04 **Matrix:** Soil **Sampled Date/Time:** 11/19/25 08:24
Requested Analysis: TPH-G **Holding Time Expires:** 12/03/25 08:24
Containers Supplied:
5g Encore (D) *5g Encore (E)*

5 **Client Sample ID: E2-10'**
MTA Sample ID: LK19070-05 **Matrix:** Soil **Sampled Date/Time:** 11/19/25 08:43
Requested Analysis: TPH-G **Holding Time Expires:** 12/03/25 08:43
Containers Supplied:
5g Encore (D) *5g Encore (E)*

Temp °C 4.5

BI, Ø, Walk In

Thermometer # 42

Released By	Date / Time	Received By	Date / Time
[signature]	11-20-25	BM	11-20-25
Released By	Date / Time	Received By	Date / Time
		[signature]	11-20-25 14:59

Please email copy of receipt with your assigned Sample ID Number to SusanF@MooreTwining.com

MOORE TWINING ASSOCIATES, INC.
Analytical Chemistry Division
California ELAP Certification # 1371

AIK2641 Moore7021 11/20/2025

Purchase Order # 43448
MTA Project # LK19070

Please reference these numbers on all reports and invoices.
We also request QC data be provided with final report.

SAMPLE INFORMATION	COMMENTS / SOURCE ID

Client Sample ID: E2-20'
MTA Sample ID: LK19070-06 **Matrix:** Soil **Sampled Date/Time:** 11/19/25 09:35
Requested Analysis: TPH-G **Holding Time Expires:** 12/03/25 09:35
Containers Supplied:
5g Encore (D) *5g Encore (E)*

Client Sample ID: E3-5'
MTA Sample ID: LK19070-07 **Matrix:** Soil **Sampled Date/Time:** 11/19/25 13:40
Requested Analysis: TPH-G **Holding Time Expires:** 12/03/25 13:40
Containers Supplied:
5g Encore (D) *5g Encore (E)*

Client Sample ID: SG1-10'
MTA Sample ID: LK19070-08 **Matrix:** Soil **Sampled Date/Time:** 11/19/25 12:15
Requested Analysis: TPH-G **Holding Time Expires:** 12/03/25 12:15
Containers Supplied:
5g Encore (D) *5g Encore (E)*

Client Sample ID: SG2-15'
MTA Sample ID: LK19070-09 **Matrix:** Soil **Sampled Date/Time:** 11/19/25 10:45
Requested Analysis: TPH-G **Holding Time Expires:** 12/03/25 10:45
Containers Supplied:
5g Encore (D) *5g Encore (E)*

Client Sample ID: SG2-25'
MTA Sample ID: LK19070-10 **Matrix:** Soil **Sampled Date/Time:** 11/19/25 11:40
Requested Analysis: TPH-G **Holding Time Expires:** 12/03/25 11:40
Containers Supplied:
5g Encore (D) *5g Encore (E)*

Client Sample ID: SG3-5'
MTA Sample ID: LK19070-11 **Matrix:** Soil **Sampled Date/Time:** 11/19/25 14:35
Requested Analysis: TPH-G **Holding Time Expires:** 12/03/25 14:35
Containers Supplied:
5g Encore (D) *5g Encore (E)*

Temp °C 4.5

BT, B, Walk In

Thermometer # 42

Greg Botta 11-20-25 — Released By / Date / Time
TM 11-20-25 — Received By / Date / Time
Released By / Date / Time
Received By 11-20-25 14:39 / Date / Time

Please email copy of receipt with your assigned Sample ID Number to SusanF@MooreTwining.com

12 - LK19070-12
TM 11-20-25

MOORE TWINING ASSOCIATES, INC.
EST. 1898
ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

WORK ORDER #: LK19070
PAGE 1 **OF** 2

REPORT TO:

ATTENTION: Keith Mayes
NAME: MTA Environmental
ADDRESS: 2527 Fresno Street
Fresno, CA 93721
PHONE: (559) 268-7021
FAX: (559) 268-7126

☐ INVOICE TO:

ATTENTION: Keith Mayes
NAME: MTA Environmental
ADDRESS: 2527 Fresno Street
Fresno, CA 93721
PHONE: (559) 268-7021
FAX: (559) 268-7126

☐ REPORT COPY TO:

REPORTING:
X STANDARD FORMAT
☐ WRITE-ON (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ SPREADSHEET
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER:
Standard Excel/J-flag report

SAMPLE INFORMATION
SAMPLED BY (PRINT): Keith Mayes
SIGNATURE:

☐ PUBLIC SYSTEM ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON:
X STANDARD

SAMPLE TYPES:
SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID
LIQUID:
DW - DRINKING WATER
GW - GROUND WATER
OL - OIL
SF - SURFACE WATER
ST - STORM WATER
WW – WASTE WATER

PROJECT INFORMATION
CONTRACT/P.O. NO.:
PROJECT: Judicial Council of California Courthouse Park Redevelopment, 2200 Fresno Street
PROJECT NUMBER: ~~B5420.01~~
PROJECT MANAGER: Keith Mayes

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
X ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION
5.9

ANALYSIS REQUESTED

LAB USE	CLIENT SAMPLE ID	DATE	TIME	TYPE	TPHg (8015)	TPHd/mo (8015)	VOCs (8260B)	LUFT 5 Metals		HOLD				
1	E1-5'	11/19/25	10:00	SL	X	X	X	X						
2	E1-10'	11/19/25	14:35	SL	X	X	X	X						
3	E1-25'	11/19/25	15:00	SL	X	X	X	X						
4	E2-5'	11/19/25	08:24	SL	X	X	X	X						
5	E2-10'	11/19/25	08:43	SL	X	X	X	X						
6	E2-20'	11/19/25	09:35	SL	X	X	X	X						
7	E3-5'	11/19/25	13:40	SL	X	X	X	X						
8	SG1-10'	11/19/25	12:15	SL	X	X	X	X						
9	SG2-15'	11/19/25	10:45	SL	X	X	X	X						
10	SG2-25'	11/19/25	11:40	SL	X	X	X	X						
11	SG3-5'	11/19/25	14:35	SL	X	X	X	X						
12	E2-25'	11/19/25	09:07	SL						X				

COMMENTS/ADDITIONAL INSTRUCTIONS: Samples to be analyzed for TPHg and VOCs were collected in Encore devices per EPA Method 5035

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
	MTA	11/19/25	1638		

Sample Integrity — Page 2 of 2 — Moore Twining Associates — WO# LK19070 — MTA Bottles: (Yes) or No

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp 5.9 °C	(Yes) No N/A	Did all bottle labels agree with COC?	(Yes) No N/A	Were there bubbles in VOA vials? (Volatiles Only)	Yes No (N/A)
If samples were taken today, is there evidence that chilling has begun? Recvd 5.9 C°	(Yes) No N/A	Was a sufficient amount of sample received?	(Yes) No N/A	Was PM notified of discrepancies? PM: By/Time:	Yes No (N/A)
Did all bottles arrive unbroken and intact?	(Yes) No N/A	Were correct containers and preservatives received for the tests requested?	(Yes) No N/A		
Do samples have a hold time <72 hours?	Yes (No) N/A				

Bottles Received

| | | | | | | |

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

December 10, 2025

Work Order #: **LK24064**

Keith Mayes
MTA Environmental Division
2527 Fresno Street
Fresno, CA 93721

RE: J.C.C.Courthouse Park Redevelopement,2200 FresnoSt

Enclosed are the analytical results for samples received by our laboratory on **11/24/25** . For your reference, these analyses have been assigned laboratory work order number **LK24064**.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.



Lauren Cox
Client Services Representative

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	12/10/2025
Fresno CA, 93721	**Project Manager:** Keith Mayes	

Analytical Report for the Following Samples

Sample ID	Notes	Laboratory ID	Matrix	Date Sampled	Date Received
E6-6'		LK24064-01	Soil	11/24/25 08:50	11/24/25 15:12
SG4-5'		LK24064-02	Soil	11/24/25 10:00	11/24/25 15:12

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	12/10/2025
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E6-6'

LK24064-01 (Soil) Sampled: 11/24/25 08:50

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5K2117	12/01/25	12/01/25	EPA 6010B
Chromium		**20**	2.0	mg/kg	1	B5K2117	12/01/25	12/01/25	EPA 6010B
Lead		**4.3**	2.0	mg/kg	1	B5K2117	12/01/25	12/01/25	EPA 6010B
Nickel		**25**	2.0	mg/kg	1	B5K2117	12/01/25	12/01/25	EPA 6010B
Zinc		**19**	2.0	mg/kg	1	B5K2117	12/01/25	12/01/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Surr: o-Terphenyl		*33.5%*	*Recovery Limits: 11.8% - 130%*			*B5K2401*	11/25/25	11/26/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,1-Dichloroethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,1-Dichloroethene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,1-Dichloropropene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0041	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2-Dichloropropane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,3-Dichloropropane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
2,2-Dichloropropane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
2-Butanone (MEK)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.017	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
2-Chlorotoluene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
2-Hexanone		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
4-Chlorotoluene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Acetone		ND	0.017	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Acrolein		ND	0.041	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Acrylonitrile		ND	0.0083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Benzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Bromobenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	12/10/2025
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E6-6'

LK24064-01 (Soil) Sampled: 11/24/25 08:50

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Bromochloromethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Bromodichloromethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Bromoform		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Bromomethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Carbon disulfide		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Carbon tetrachloride		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Chlorobenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Chloroethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Chloroform		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Chloromethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Chloroprene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Dibromochloromethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Dibromomethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Ethanol		ND	0.041	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Ethyl methacrylate		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Ethylbenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Hexachlorobutadiene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Iodomethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Isopropylbenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
m,p-Xylene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Methyl Methacrylate		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Methylene chloride		ND	0.0017	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Naphthalene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
n-Butylbenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
n-Propylbenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
o-Xylene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
p-Isopropyltoluene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
sec-Butylbenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Styrene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.017	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
tert-Butylbenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Toluene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Trichloroethene (TCE)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	12/10/2025
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E6-6'

LK24064-01 (Soil) Sampled: 11/24/25 08:50

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Trichlorofluoromethane (CFC-11)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Vinyl acetate		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Vinyl chloride		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Xylenes		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*93.4%*	*Recovery Limits: 70% - 130%*			*B5L0125*	12/01/25	12/01/25	*EPA 8260B*
Surr: Dibromofluoromethane		*104%*	*Recovery Limits: 70% - 130%*			*B5L0125*	12/01/25	12/01/25	*EPA 8260B*
Surr: Toluene-d8		*99.5%*	*Recovery Limits: 70% - 130%*			*B5L0125*	12/01/25	12/01/25	*EPA 8260B*

SG4-5'

LK24064-02 (Soil) Sampled: 11/24/25 10:00

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5K2117	12/01/25	12/01/25	EPA 6010B
Chromium		**14**	2.0	mg/kg	1	B5K2117	12/01/25	12/01/25	EPA 6010B
Lead		**6.5**	2.0	mg/kg	1	B5K2117	12/01/25	12/01/25	EPA 6010B
Nickel		**16**	2.0	mg/kg	1	B5K2117	12/01/25	12/01/25	EPA 6010B
Zinc		**17**	2.0	mg/kg	1	B5K2117	12/01/25	12/01/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Surr: o-Terphenyl		*26.1%*	*Recovery Limits: 11.8% - 130%*			*B5K2401*	11/25/25	11/26/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5K2401	11/25/25	11/26/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,1-Dichloroethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,1-Dichloroethene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,1-Dichloropropene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0041	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	12/10/2025
Fresno CA, 93721	**Project Manager:** Keith Mayes	

SG4-5'

LK24064-02 (Soil) Sampled: 11/24/25 10:00

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
1,2-Dichloropropane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,3-Dichloropropane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
2,2-Dichloropropane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
2-Butanone (MEK)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.017	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
2-Chlorotoluene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
2-Hexanone		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
4-Chlorotoluene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Acetone		ND	0.017	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Acrolein		ND	0.041	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Acrylonitrile		ND	0.0083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Benzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Bromobenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Bromochloromethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Bromodichloromethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Bromoform		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Bromomethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Carbon disulfide		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Carbon tetrachloride		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Chlorobenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Chloroethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Chloroform		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Chloromethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Chloroprene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Dibromochloromethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Dibromomethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Ethanol		ND	0.041	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Ethyl methacrylate		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Ethylbenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Hexachlorobutadiene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Iodomethane		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Isopropylbenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
m,p-Xylene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Methyl Methacrylate		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B

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MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	12/10/2025
Fresno CA, 93721	**Project Manager:** Keith Mayes	

SG4-5'

LK24064-02 (Soil) Sampled: 11/24/25 10:00

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Methylene chloride		ND	0.0017	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Naphthalene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
n-Butylbenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
n-Propylbenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
o-Xylene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
p-Isopropyltoluene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
sec-Butylbenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Styrene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.017	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
tert-Butylbenzene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Toluene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Trichloroethene (TCE)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Vinyl acetate		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Vinyl chloride		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Xylenes		ND	0.00083	mg/kg	1	B5L0125	12/01/25	12/01/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*91.8%*	*Recovery Limits: 70% - 130%*			*B5L0125*	12/01/25	12/01/25	*EPA 8260B*
Surr: Dibromofluoromethane		*104%*	*Recovery Limits: 70% - 130%*			*B5L0125*	12/01/25	12/01/25	*EPA 8260B*
Surr: Toluene-d8		*98.4%*	*Recovery Limits: 70% - 130%*			*B5L0125*	12/01/25	12/01/25	*EPA 8260B*

Notes and Definitions

MS3	Matrix Spike Recovery for this analyte was biased low; associated blank spike recovery is within range.
µg/L	micrograms per liter (parts per billion concentration units)
mg/L	milligrams per liter (parts per million concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference

Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field.
If the test was performed in the laboratory, the hold time was exceeded. **(for aqueous matrices only)**

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BSK Associates Laboratory Fresno
687 N. Laverne Avenue
Fresno, CA 93727
559-497-2888 (Main)

AIK3091
12/08/2025
Invoice: AI31564

Susan Federico
Moore Twining Associates
2527 Fresno Street
Fresno, CA 93721

RE: Report for AIK3091 General

Dear Susan Federico,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 11/25/2025. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2016 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

This certificate of analysis shall not be reproduced except in full, without written approval of the laboratory.

If additional clarification of any information is required, please contact your Client Services Representative, Heather S. Johnson , at 559-497-2888.

Thank you again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Heather S. Johnson, Project Manager

Accredited in Accordance with NELAP
ORELAP #4021

Case Narrative

Project and Report Details		Invoice Details	
Client:	Moore Twining Associates	**Invoice To:**	Moore Twining Associates
Report To:	Susan Federico	**Invoice Attn:**	Denise Willis
Project #:	LK24064	**Project PO#:**	43459
Received:	11/25/2025 - 15:00		
Report Due:	12/11/2025		

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 5.3

Containers Intact
COC/Labels Agree
Received On Blue Ice
Packing Material - Other
Sample(s) were received in temperature range.
Initial receipt at BSK-FAL

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

None applied

Report Distribution

Recipient(s)	Report Format	CC:
Danielle Abrames	FINAL.RPT	susanf@mooretwining.com;laurenc@mooretwining.com;gregb@mooretwining.com

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Sample ID: AIK3091-01
Sampled By: Client
Sample Description: LK24064-01 // E6-6'

Sample Date - Time: 11/24/2025 - 08:50
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIK1621	11/25/25	11/26/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	101 %	*Acceptable range: 50-150 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Sample ID: AIK3091-02
Sampled By: Client
Sample Description: LK24064-02 // SG4-5'

Sample Date - Time: 11/24/2025 - 10:00
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIK1621	11/25/25	11/26/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	102 %	*Acceptable range: 50-150 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BSK Associates Laboratory Fresno

Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 8260D - Quality Control											
Batch: AIK1621										Prepared: 11/25/2025	
Prep Method: no prep-volatiles										Analyst: ETH	
Blank (AIK1621-BLK1)											
Gasoline Range Organics (C6-10)	ND	1000	ug/kg							11/26/25	
Surrogate: 1,2-Dichloroethane-d4	*52*			*50*		*103*	*50-150*			11/26/25	
Blank Spike (AIK1621-BS1)											
Gasoline Range Organics (C6-10)	4700	1000	ug/kg	5000	ND	94	50-150			11/26/25	
Surrogate: 1,2-Dichloroethane-d4	*50*			*50*		*100*	*50-150*			11/26/25	
Blank Spike Dup (AIK1621-BSD1)											
Gasoline Range Organics (C6-10)	4300	1000	ug/kg	5000	ND	86	50-150	8	30	11/26/25	
Surrogate: 1,2-Dichloroethane-d4	*51*			*50*		*102*	*50-150*			11/26/25	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Field tests are outside the scope of laboratory accreditation and there is no certification available for field testing.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.
- (2) - Formerly known as Bis(2-Chloroisopropyl) ether.
  Unless otherwise noted, TOC results by SM 5310C method do not include purgeable organic carbon, which is removed along with the inorganic carbon interference. The POC contribution to TOC is considered to be negligible.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected below MRL/MDL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	PicoCuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit	U:	The analyte was not detected at or above the reported sample quantitation limit.

Please see the individual Subcontract Lab's report for applicable certifications.

The following parameters are not available for certification through CA ELAP:

Odor Diisopropyl ether (DIPE) by EPA 524.2

The following parameters are calculated values and are outside the scope of our NELAP accreditation:

Total Nitrogen Aggressive Index Trivalent Chromium

BSK is not accredited under the NELAP program for the following additional parameters: **NA**

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Certifications: **Please refer to our website for a copy of our Accredited Fields of Testing under each certification.**

Bakersfield

State of California - ELAP	1180-S3

Fresno

State of California - ELAP	1180	State of Hawaii	4021
Los Angeles CSD	9254479	NELAP certified	4021-025
State of Nevada	NV-C25-00264	State of Oregon - NELAP	4021-025
EPA UCMR5	CA00079	State of Washington	C997-25

Sacramento

State of California - ELAP	1180-S1

San Bernardino

State of California - ELAP	1180-S2	Los Angeles CSD	9254478
NELAP certified	4119-010	State of Oregon - NELAP	4119-010

Vancouver

NELAP certified	WA100008-021	State of Oregon - NELAP	WA100008-021
State of Washington	C824-25		

AIK3091 Moore7021 11/25/2025

10

Sample Integrity

BSK Bottles: Yes (No) Page 1 of 1

COC Info

Was temperature within range? Chemistry ≤ 6°C Micro < 8°C	(Yes) No NA	Were correct containers and preservatives received for the tests requested?	(Yes) No
If samples were taken today, is there evidence that chilling has begun?	(Yes) No NA	Bubbles Present VOAs (524.2/TTHM/TCP)?	Yes No (NA)
		TB Received? (Check Method Below)	Yes No (NA)
Did all bottles arrive unbroken and intact?	(Yes) No	Was a sufficient amount of sample received?	(Yes) No
Did all bottle labels agree with COC?	(Yes) No	**Do samples have a hold time <72 hours?**	(Yes) No
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes (NA)	Was PM notified of discrepancies? PM: dt: email scan copy	Yes No NA

Bottles Received

"—" means preservation/chlorine checks are either N/A or are performed in the lab

250ml(A) 500ml(B) 1Liter(C) 40mlVOA(V) 125ml(D)	Checks*	Passed?	1-2				
Bacti $Na_2S_2O_3$	—	—					
None (P) White Label	—	—					
Cr6 (P) Lt. Green Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ **DW**	Cl, pH > 8	P F					
Cr6 (P) Pink Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ **WW**	pH 9.3-9.7	P F					
Cr6 (P) Black Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ **7199** ***24 HOUR HOLD TIME***	pH 9.0-9.5	P F					
HNO_3 (P) Red Label or HCl (P) Purple Cap/Lt. Blue Label	—	—					
H_2SO_4 (P) or (AG) Yellow Label	pH < 2	P F					
NaOH (P) Green Cap/Label	Cl, pH >10	P F					
NaOH + ZnAc (P)	pH > 9	P F					
Dissolved Oxygen 300ml (g)	—	—					
None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	—	—					
HCl (AG) Lt. Blue Label O&G, Diesel	—	—					
Ascorbic, EDTA, KH_2Ct (AG) Pink Label 525	—	—					
Na_2SO_3 (AG) Neon Green Label 515	—	—					
$Na_2S_2O_3$ 1 Liter (Brown P) 549	—	—					
$Na_2S_2O_3$ (AG) Blue Label 548, THM, 524	—	—					
$Na_2S_2O_3$ (CG) Blue Label 504, 505, 547	—	—					
$Na_2S_2O_3$ + MCAA (CG) Orange Label 531	pH < 3	P F					
NH_4Cl (AG) Purple Label 552	—	—					
EDA (P) or (AG) Brown Label DBPs	—	—					
HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624	—	—					
Ascorbic Acid (AG) **TCP DWRL**	—	—					
Buffer pH 4 (CG)	—	—					
H_3PO_4 (CG) Salmon Label	---	---					
Trizma – EPA 537.1 Light Blue Label **FB**	—	---					
Ammonia Acetate - EPA 533 Purple Label **FB**	—	—					
Bottle Water	—	—					
Clear Glass: Jar / VOA	—	—					
OTHER: ENCORE 5g	—	—	2				

JDM 11-25-25

Split

	Container	Preservative	Lot #	Initials	Date/Time
S P					
S P					

Preservation Check
pH Lot #
Cl Lot #

Comments

*Preservation check completed by lab performing analysis.

✓ **Indicates Blanks Received**

504 ___ 524.2 ___ TTHM ___ 537/533 ___ TCP___

✓ **MS/MSD Received Method:** _____

Labeled by: **Checked by:** KM

Scanned: _____ Rush/Short HT Page: _____ Time:_____

MOORE TWINING ASSOCIATES

Analytical Chemistry D
California ELAP Certificati

AIK3091 Moore7021 11/25/2025 10

T ORDER

Purchase Order # 43459
MTA Project # LK24064

Please reference ... bers on all reports and invoices.
We also request QC data be provided with final report.

SENDING LABORATORY:	PROJECT MANAGER / REPORT TO:	RECEIVING LABORATORY:
Moore Twining Associates, Inc 2527 Fresno Street Fresno, CA 93721 Phone: (559) 268-7021 Fax: (559) 268-0740	Susan Federico SusanF@mooretwining.com **INVOICE TO:** Denise Willis AccountsPayable@MooreTwining.com	BSK Analytical Laboratories 687 N. Laverne Avenue Fresno, CA 93727 Phone: (559) 497-2880 Fax: (559) 485-6935

SAMPLE INFORMATION — **COMMENTS / SOURCE ID**

Client Sample ID: E6-6'
MTA Sample ID: LK24064-01 **Matrix:** Soil **Sampled Date/Time:** 11/24/25 08:50
Requested Analysis: TPH-G **Holding Time Expires:** 12/08/25 08:50
Containers Supplied:
5g Encore (D) *5g Encore (E)*

Client Sample ID: SG4-5'
MTA Sample ID: LK24064-02 **Matrix:** Soil **Sampled Date/Time:** 11/24/25 10:00
Requested Analysis: TPH-G **Holding Time Expires:** 12/08/25 10:00
Containers Supplied:
5g Encore (D) *5g Encore (E)*

Temp °C 5.3

Thermometer # 42

BI, Ø, Walk In

BM 11-25-25

Released By	Date / Time	Received By	Date / Time
Greg Botts	11-25-25	BM 11-25-25	
Released By	Date / Time	Received By	Date / Time
		[illegible]	11-25-25 1120

Please email copy of receipt with your assigned Sample ID Number to SusanF@MooreTwining.com

MOORE TWINING ASSOCIATES, INC.
EST. 1936
ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

WORK ORDER #: LK24064
PAGE 1 **OF** 2

REPORT TO:

ATTENTION: Keith Mayes
NAME: MTA Environmental
ADDRESS: 2527 Fresno Street
Fresno, CA 93721
PHONE: (559) 268-7021
FAX: (559) 268-7126

☐ INVOICE TO:

ATTENTION: Keith Mayes
NAME: MTA Environmental
ADDRESS: 2527 Fresno Street
Fresno, CA 93721
PHONE: (559) 268-7021
FAX: (559) 268-7126

☐ REPORT COPY TO:

REPORTING:
X STANDARD FORMAT
☐ WRITE-ON (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ SPREADSHEET
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER:
Standard Excel/J-flag report

SAMPLE INFORMATION

SAMPLED BY (PRINT): Keith Mayes
SIGNATURE: Keith Mayes

☐ PUBLIC SYSTEM ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON:
☒ STANDARD

SAMPLE TYPES:
SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID
LIQUID:
DW - DRINKING WATER
GW - GROUND WATER
OL - OIL
SF - SURFACE WATER
ST - STORM WATER
WW – WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:
PROJECT: Judicial Council of California Courthouse Park Redevelopment, 2200 Fresno Street, Fresno, CA
PROJECT NUMBER: C88004.01
PROJECT MANAGER: Keith Mayes

ANALYSIS REQUESTED

LAB USE

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☒ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION
5°C

	CLIENT SAMPLE ID	DATE	TIME	TYPE	TPHg (8015)	TPHd/mo (8015)	VOCs (8260B)	LUFT 5 Metals						
1	E6-6'	11/24/25	08:50	SL	X	X	X	X						
2	SG4-5'	11/24/25	10:00	SL	X	X	X	X						

COMMENTS/ADDITIONAL INSTRUCTIONS: Samples to be analyzed for TPHg and VOCs were collected in Encore devices per EPA Method 5035

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Keith Mayes	MTA	11/24/25	15:12		

Sample Integrity — Page 2 of 2 — Moore Twining Associates — WO# 24064

MTA Bottles: Yes or (No)

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp 5.0°C	(Yes) No N/A	Did all bottle labels agree with COC?	(Yes) No N/A	Were there bubbles in VOA vials? (Volatiles Only)	Yes No (N/A)
If samples were taken today, is there evidence that chilling has begun? Recvd ____ C°	(Yes) No N/A	Was a sufficient amount of sample received?	(Yes) No N/A	Was PM notified of discrepancies? PM: By/Time:	Yes No (N/A)
Did all bottles arrive unbroken and intact?	(Yes) No N/A	Were correct containers and preservatives received for the tests requested?	(Yes) No N/A		
Do samples have a hold time <72 hours?	Yes (No) N/A				

Bottles Received

125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)	1+8																			
Bacti $Na_2S_2O_3$ Thio 120mL																				
None (P)																				
None (AG)																				
None (CG) 500ml																				
Cr6 Buffer (P) Borate Carbonate Buffer-EPA 7196A																				
Dissolved Oxygen 300ml (P)																				
HNO_3 (P)																				
HCl (AG)																				
H_2SO_4 (P)																				
H_3PO_4 (AG) - TOC																				
NaOH (P), cyanide																				
NaOH + ZnAc (P) sodium hydroxid+zinc acetate																				
$Na_2S_2O_3$ (AG) Thio EPA 547, 538, TTHM																				
$Na_2S_2O_3$ (CG) Thio EPA, 504.1																				
$Na_2S_2O_3$ 250ml (Brown P) EPA 549																				
Thio/K Citrate(AG) EPA 531.2																				
NH_4Cl (AG) 552- ammonium chloride EPA HAA5																				
Other:																				
Client Own																				
Low Level Hg/Metals Double Bag																				
Plastic Bag																				
Glass Jar: 125 / 250 / 500																				
Soil Tube: Brass / (Steel) / Plastic	4																			
5g Encore																				
Cubitaner 1G / 2.5 G																				

Comments

Filter or Split		Container	Preservative	Date/Time/Initials
	S P F			
	S P F			
	S P F			
	S P F			
	S P F			

Labeled by: ____ @ ____ Labels checked by: LN @ 1535

FL-SC-0003-07

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

January 05, 2026

Work Order #: **LL01040**

Keith Mayes
MTA Environmental Division
2527 Fresno Street
Fresno, CA 93721

RE: J.C.C.Courthouse Park Redevelopement,2200 FresnoSt

Enclosed are the analytical results for samples received by our laboratory on **12/01/25** . For your reference, these analyses have been assigned laboratory work order number **LL01040**.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Susan Federico
Client Services Representative

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

Analytical Report for the Following Samples

Sample ID	Notes	Laboratory ID	Matrix	Date Sampled	Date Received
SG4-25'		LL01040-01	Soil	12/01/25 09:40	12/01/25 12:18
SG5-25'		LL01040-02	Soil	12/01/25 08:00	12/01/25 12:18

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

SG4-25'

LL01040-01 (Soil) Sampled: 12/01/25 09:40

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Chromium		**13**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Lead		**4.0**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Nickel		**13**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Zinc		**29**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Surr: o-Terphenyl		*49.2%*	*Recovery Limits: 11.8% - 130%*			*B5L0211*	12/03/25	12/04/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloropropene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0046	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichloropropane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichloropropane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2,2-Dichloropropane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Butanone (MEK)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.018	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chlorotoluene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Hexanone		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Chlorotoluene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acetone		ND	0.018	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrolein		ND	0.046	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrylonitrile		ND	0.0092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Benzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromobenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

SG4-25'

LL01040-01 (Soil) Sampled: 12/01/25 09:40

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Bromochloromethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromodichloromethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromoform		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromomethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon disulfide		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon tetrachloride		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chlorobenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroform		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloromethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroprene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromochloromethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromomethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethanol		ND	0.046	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl methacrylate		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethylbenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Hexachlorobutadiene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Iodomethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Isopropylbenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
m,p-Xylene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl Methacrylate		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methylene chloride		ND	0.0018	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Naphthalene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Butylbenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Propylbenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
o-Xylene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
p-Isopropyltoluene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
sec-Butylbenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Styrene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.018	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butylbenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Toluene		**0.0012**	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichloroethene (TCE)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

SG4-25'

LL01040-01 (Soil) Sampled: 12/01/25 09:40

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Trichlorofluoromethane (CFC-11)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl acetate		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl chloride		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Xylenes		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*91.6%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Dibromofluoromethane		*102%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Toluene-d8		*97.8%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*

SG5-25'

LL01040-02 (Soil) Sampled: 12/01/25 08:00

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Chromium		**12**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Lead		**4.5**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Nickel		**18**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Zinc		**32**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Surr: o-Terphenyl		*59.4%*	*Recovery Limits: 11.8% - 130%*			*B5L0211*	12/03/25	12/04/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloropropene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0046	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

SG5-25'

LL01040-02 (Soil) Sampled: 12/01/25 08:00

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
1,2-Dichloropropane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichloropropane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2,2-Dichloropropane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Butanone (MEK)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.018	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chlorotoluene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Hexanone		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Chlorotoluene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acetone		ND	0.018	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrolein		ND	0.046	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrylonitrile		ND	0.0092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Benzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromobenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromochloromethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromodichloromethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromoform		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromomethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon disulfide		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon tetrachloride		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chlorobenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroform		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloromethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroprene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromochloromethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromomethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethanol		ND	0.046	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl methacrylate		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethylbenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Hexachlorobutadiene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Iodomethane		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Isopropylbenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
m,p-Xylene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl Methacrylate		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

SG5-25'

LL01040-02 (Soil) Sampled: 12/01/25 08:00

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Methylene chloride		ND	0.0018	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Naphthalene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Butylbenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Propylbenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
o-Xylene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
p-Isopropyltoluene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
sec-Butylbenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Styrene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.018	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butylbenzene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Toluene		**0.0011**	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichloroethene (TCE)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl acetate		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl chloride		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Xylenes		ND	0.00092	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*91.0%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Dibromofluoromethane		*102%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Toluene-d8		*98.8%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*

Notes and Definitions

MS3	Matrix Spike Recovery for this analyte was biased low; associated blank spike recovery is within range.
RPD	The RPD result exceeded the QC control limits. However, both percent recoveries were acceptable.
µg/L	micrograms per liter (parts per billion concentration units)
mg/L	milligrams per liter (parts per million concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
	Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field. If the test was performed in the laboratory, the hold time was exceeded. **(for aqueous matrices only)**

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BSK Associates Laboratory Fresno
687 N. Laverne Avenue
Fresno, CA 93727
559-497-2888 (Main)

AIL0262
12/10/2025
Invoice: AI31795

Susan Federico
Moore Twining Associates
2527 Fresno Street
Fresno, CA 93721

RE: Report for AIL0262 General

Dear Susan Federico,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 12/2/2025. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2016 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

This certificate of analysis shall not be reproduced except in full, without written approval of the laboratory.

If additional clarification of any information is required, please contact your Client Services Representative, Heather S. Johnson , at 559-497-2888.

Thank you again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Heather Johnson

Heather S. Johnson, Project Manager

Accredited in Accordance with NELAP
ORELAP #4021

Case Narrative

Project and Report Details		Invoice Details	
Client:	Moore Twining Associates	**Invoice To:**	Moore Twining Associates
Report To:	Susan Federico	**Invoice Attn:**	Denise Willis
Project #:	LL01040	**Project PO#:**	43463
Received:	12/02/2025 - 13:09		
Report Due:	12/16/2025		

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 5.3

Containers Intact
COC/Labels Agree
Received On Ice
Packing Material - Bubble Wrap
Sample(s) were received in temperature range.
Initial receipt at BSK-FAL

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

None applied

Report Distribution

Recipient(s)	Report Format	CC:
Danielle Abrames	FINAL.RPT	susanf@mooretwining.com;laurenc@mooretwining.com;gregb@mooretwining.com

Certificate of Analysis

Sample ID: AIL0262-01
Sampled By: Keith Mayes
Sample Description: LL01040-01 // SG4-25'

Sample Date - Time: 12/01/2025 - 09:40
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIL0212	12/08/25	12/09/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	107 %	*Acceptable range: 50-150 %*						

Certificate of Analysis

Sample ID: AIL0262-02
Sampled By: Keith Mayes
Sample Description: LL01040-02 // SG5-25'

Sample Date - Time: 12/01/2025 - 08:00
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIL0212	12/08/25	12/09/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	99 %	*Acceptable range: 50-150 %*						

BSK Associates Laboratory Fresno

Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 8260D - Quality Control											
Batch: AIL0212										Prepared: 12/8/2025	
Prep Method: no prep-volatiles										Analyst: ETH	
Blank (AIL0212-BLK1)											
Gasoline Range Organics (C6-10)	ND	1000	ug/kg							12/09/25	
Surrogate: 1,2-Dichloroethane-d4	*52*			*50*		*103*	*50-150*			12/09/25	
Blank Spike (AIL0212-BS3)											
Gasoline Range Organics (C6-10)	4900	1000	ug/kg	5000	ND	99	50-150			12/08/25	
Surrogate: 1,2-Dichloroethane-d4	*49*			*50*		*98*	*50-150*			12/08/25	
Duplicate (AIL0212-DUP1), Source: AIL0027-01RE1											
Gasoline Range Organics (C6-10)	2400	1000	ug/kg		ND					12/09/25	
Surrogate: 1,2-Dichloroethane-d4	*50*			*50*		*99*	*50-150*			12/09/25	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Field tests are outside the scope of laboratory accreditation and there is no certification available for field testing.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.
- (2) - Formerly known as Bis(2-Chloroisopropyl) ether.
  Unless otherwise noted, TOC results by SM 5310C method do not include purgeable organic carbon, which is removed along with the inorganic carbon interference. The POC contribution to TOC is considered to be negligible.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected below MRL/MDL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	PicoCuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit	U:	The analyte was not detected at or above the reported sample quantitation limit.

Please see the individual Subcontract Lab's report for applicable certifications.

The following parameters are not available for certification through CA ELAP:

Odor Diisopropyl ether (DIPE) by EPA 524.2

The following parameters are calculated values and are outside the scope of our NELAP accreditation:

Total Nitrogen Aggressive Index Trivalent Chromium

BSK is not accredited under the NELAP program for the following additional parameters: **NA**

Certificate of Analysis

Certifications: **Please refer to our website for a copy of our Accredited Fields of Testing under each certification.**

Bakersfield

State of California - ELAP	1180-S3

Fresno

State of California - ELAP	1180	State of Hawaii	4021
Los Angeles CSD	9254479	NELAP certified	4021-025
State of Nevada	NV-C25-00264	State of Oregon - NELAP	4021-025
EPA UCMR5	CA00079	State of Washington	C997-25

Sacramento

State of California - ELAP	1180-S1

San Bernardino

State of California - ELAP	1180-S2	Los Angeles CSD	9254478
NELAP certified	4119-010	State of Oregon - NELAP	4119-010

Vancouver

NELAP certified	WA100008-021	State of Oregon - NELAP	WA100008-021
State of Washington	C824-25		

MOORE TWINING ASSOCIATES, INC.

Analytical Chemistry Division
California ELAP Certification # 1371

AIL0262 Moore7021 12/02/2025

10

Purchase Order # 43463
MTA Project # LL01040

Please refer[illegible] reports and invoices.
We also request QC data be provided with final report.

SENDING LABORATORY:	PROJECT MANAGER / REPORT TO:	RECEIVING LABORATORY:
Moore Twining Associates, Inc 2527 Fresno Street Fresno, CA 93721 Phone: (559) 268-7021 Fax: (559) 268-0740	Susan Federico SusanF@mooretwining.com **INVOICE TO:** Denise Willis AccountsPayable@MooreTwining.com	BSK Analytical Laboratories 687 N. Laverne Avenue Fresno, CA 93727 Phone: (559) 497-2880 Fax: (559) 485-6935

SAMPLE INFORMATION — **COMMENTS / SOURCE ID**

Client Sample ID: SG4-25' (1)
MTA Sample ID: LL01040-01 **Matrix:** Soil **Sampled Date/Time:** 12/01/25 09:40
Requested Analysis: TPH-G **Holding Time Expires:** 12/15/25 09:40
Containers Supplied:
5g Encore (D) *5g Encore (E)*

Sample by: Keith Mayes

Client Sample ID: SG5-25' (2)
MTA Sample ID: LL01040-02 **Matrix:** Soil **Sampled Date/Time:** 12/01/25 08:00
Requested Analysis: TPH-G **Holding Time Expires:** 12/15/25 08:00
Containers Supplied:
5g Encore (D) *5g Encore (E)*

Temp °C 5.3 WI, BW, Walk In

Thermometer # 42

BM 12-02-25

Released By	Date / Time	Received By	Date / Time
Greg Botts	1-2-25	BM 12-02-25	
Released By	Date / Time	Received By	Date / Time
			12-02-25 1309

Please email copy of receipt with your assigned Sample ID Number to SusanF@MooreTwining.com

BSK-SR-0002-01 Effective Date: 7/16/2025

Sample Integrity

BSK Bottles: Yes (No) Page 1 of 1

COC Info

Was temperature within range? Chemistry ≤ 6°C Micro < 8°C	(Yes) No NA	Were correct containers and preservatives received for the tests requested?	(Yes) No
If samples were taken today, is there evidence that chilling has begun?	Yes (No) NA	Bubbles Present VOAs (524.2/TTHM/TCP)? TB Received? (Check Method Below)	Yes No (NA) Yes No (NA)
Did all bottles arrive unbroken and intact?	(Yes) No	Was a sufficient amount of sample received?	(Yes) No
Did all bottle labels agree with COC?	(Yes) No	**Do samples have a hold time <72 hours?**	Yes (No)
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes (NA)	Was PM notified of discrepancies? PM: dt: email scan copy	Yes No (NA)

Bottles Received — "—" means preservation/chlorine checks are either N/A or are performed in the lab

250ml(A) 500ml(B) 1Liter(C) 40mlVOA(V) 125ml(D)	Checks*	Passed?
Bacti $Na_2S_2O_3$	—	—
None (P) White Label	—	—
Cr6 (P) Lt. Green Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ **DW**	Cl, pH > 8	P F
Cr6 (P) Pink Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ **WW**	pH 9.3-9.7	P F
Cr6 (P) Black Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ **7199** ***24 HOUR HOLD TIME***	pH 9.0-9.5	P F
HNO_3 (P) Red Label or HCl (P) Purple Cap/Lt. Blue Label	—	—
H_2SO_4 (P) or (AG) Yellow Label	pH < 2	P F
NaOH (P) Green Cap/Label	Cl, pH >10	P F
NaOH + ZnAc (P)	pH > 9	P F
Dissolved Oxygen 300ml (g)	—	—
None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	—	—
HCl (AG) Lt. Blue Label O&G, Diesel	—	—
Ascorbic, EDTA, KH_2Ct (AG) Pink Label 525	—	—
Na_2SO_3 (AG) Neon Green Label 515	—	—
$Na_2S_2O_3$ 1 Liter (Brown P) 549	—	—
$Na_2S_2O_3$ (AG) Blue Label 548, THM, 524	—	—
$Na_2S_2O_3$ (CG) Blue Label 504, 505, 547	—	—
$Na_2S_2O_3$ + MCAA (CG) Orange Label 531	pH < 3	P F
NH_4Cl (AG) Purple Label 552	—	—
EDA (P) or (AG) Brown Label DBPs	—	—
HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624	—	—
Ascorbic Acid (AG) **TCP DWRL**	—	—
Buffer pH 4 (CG)	—	—
H_3PO_4 (CG) Salmon Label	---	---
Trizma – EPA 537.1 Light Blue Label **FB**	—	—
Ammonia Acetate - EPA 533 Purple Label **FB**	—	—
Bottle Water	—	—
Clear Glass: Jar / VOA	—	—
OTHER: Plastic Bag	—	—

FB2

Split

	Container	Preservative	Lot #	Initials	Date/Time
S P					
S P					

Preservation Check
pH Lot #
Cl Lot #

Comments

*Preservation check completed by lab performing analysis.

✓ **Indicates Blanks Received**

504 ___ 524.2 ___ TTHM ___ 537/533 ___ TCP___

✓ **MS/MSD Received Method:** _____

Labeled by: **Checked by:**

Scanned: _____ Rush/Short HT Page: _____ Time: _____

MOORE TWINING ASSOCIATES, INC.
EST. 1898
ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

WORK ORDER #: LL01040
PAGE_____ OF_____

REPORT TO:

ATTENTION: Keith Mayes
NAME: MTA Environmental
ADDRESS: 2527 Fresno Street
Fresno, CA 93721
PHONE: (559) 268-7021
FAX: (559) 268-7126

☐ INVOICE TO:

ATTENTION: Keith Mayes
NAME: MTA Environmental
ADDRESS: 2527 Fresno Street
Fresno, CA 93721
PHONE: (559) 268-7021
FAX: (559) 268-7126

☐ REPORT COPY TO:

REPORTING:

X STANDARD FORMAT
☐ WRITE-ON (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ SPREADSHEET
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER:
Standard Excel/J-flag report

SAMPLE INFORMATION

SAMPLED BY (PRINT): Keith Mayes
SIGNATURE:

☐ PUBLIC SYSTEM ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON:
☒ STANDARD

SAMPLE TYPES:
SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID
LIQUID:
DW - DRINKING WATER
GW - GROUND WATER
OL - OIL
SF - SURFACE WATER
ST - STORM WATER
WW – WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:
PROJECT: Judicial Council of California Courthouse Park Redevelopment, 2200 Fresno Street, Fresno, CA
PROJECT NUMBER: C88004.01
PROJECT MANAGER: Keith Mayes

LAB USE

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☒ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION
5°C

ANALYSIS REQUESTED

CLIENT SAMPLE ID	DATE	TIME	TYPE	TPHg (8015)	TPHd/mo (8015)	VOCs (8260B)	LUFT 5 Metals						
SG4-25'	12/1/25	09:40	SL	X	X	X	X						
SG5-25'	12/1/25	08:00	SL	X	X	X	X						

COMMENTS/ADDITIONAL INSTRUCTIONS: Samples to be analyzed for TPHg and VOCs were collected in Encore devices per EPA Method 5035

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
	MTA	12/1/25	1218		

Sample Integrity — Page 2 of 2 — Moore Twining Associates WO# 201040 — MTA Bottles: Yes or (No)

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp 5.0°C	(Yes) No N/A	Did all bottle labels agree with COC?	(Yes) No N/A	Were there bubbles in VOA vials? (Volatiles Only)	Yes No (N/A)
If samples were taken today, is there evidence that chilling has begun? Recvd ____C°	(Yes) No N/A	Was a sufficient amount of sample received?	(Yes) No N/A	Was PM notified of discrepancies? PM: By/Time:	Yes No (N/A)
Did all bottles arrive unbroken and intact?	(Yes) No N/A	Were correct containers and preservatives received for the tests requested?	(Yes) No N/A		
Do samples have a hold time <72 hours?	Yes (No) N/A				

Bottles Received

| | | | | | | |

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

January 05, 2026

Work Order #: **LL02006**

Keith Mayes
MTA Environmental Division
2527 Fresno Street
Fresno, CA 93721

RE: J.C.C.Courthouse Park Redevelopement,2200 FresnoSt

Enclosed are the analytical results for samples received by our laboratory on **12/02/25** . For your reference, these analyses have been assigned laboratory work order number **LL02006**.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.



Susan Federico
Client Services Representative

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

Analytical Report for the Following Samples

Sample ID	Notes	Laboratory ID	Matrix	Date Sampled	Date Received
E3-15'		LL02006-01	Soil	12/02/25 08:35	12/02/25 11:50
E3-25'		LL02006-02	Soil	12/02/25 08:50	12/02/25 11:50
E4-20'		LL02006-03	Soil	12/02/25 09:25	12/02/25 11:50
E4-25'		LL02006-04	Soil	12/02/25 09:32	12/02/25 11:50
E5-15'		LL02006-05	Soil	12/02/25 10:04	12/02/25 11:50
E5-25'		LL02006-06	Soil	12/02/25 10:20	12/02/25 11:50
E6-15'		LL02006-07	Soil	12/02/25 07:40	12/02/25 11:50
E6-25'		LL02006-08	Soil	12/02/25 07:58	12/02/25 11:50

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E3-15'

LL02006-01 (Soil) Sampled: 12/02/25 08:35

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Chromium		**4.5**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Lead		ND	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Nickel		**8.8**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Zinc		**5.5**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Surr: o-Terphenyl		*59.3%*	*Recovery Limits: 11.8% - 130%*			*B5L0211*	12/03/25	12/04/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloropropene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0050	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichloropropane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichloropropane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2,2-Dichloropropane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Butanone (MEK)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.020	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chlorotoluene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Hexanone		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Chlorotoluene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acetone		ND	0.020	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrolein		ND	0.050	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrylonitrile		ND	0.010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Benzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromobenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

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MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E3-15'

LL02006-01 (Soil) Sampled: 12/02/25 08:35

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Bromochloromethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromodichloromethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromoform		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromomethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon disulfide		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon tetrachloride		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chlorobenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroform		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloromethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroprene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromochloromethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromomethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethanol		ND	0.050	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl methacrylate		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethylbenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Hexachlorobutadiene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Iodomethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Isopropylbenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
m,p-Xylene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl Methacrylate		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methylene chloride		ND	0.0020	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Naphthalene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Butylbenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Propylbenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
o-Xylene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
p-Isopropyltoluene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
sec-Butylbenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Styrene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.020	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butylbenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Toluene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichloroethene (TCE)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

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Fresno, CA 93721
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MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E3-15'

LL02006-01 (Soil) Sampled: 12/02/25 08:35

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Trichlorofluoromethane (CFC-11)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl acetate		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl chloride		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Xylenes		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*91.2%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Dibromofluoromethane		*99.1%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Toluene-d8		*96.6%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*

E3-25'

LL02006-02 (Soil) Sampled: 12/02/25 08:50

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Chromium		**8.2**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Lead		**3.5**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Nickel		**13**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Zinc		**25**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Surr: o-Terphenyl		*56.9%*	*Recovery Limits: 11.8% - 130%*			*B5L0211*	12/03/25	12/04/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloropropene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0047	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

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California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E3-25'

LL02006-02 (Soil) Sampled: 12/02/25 08:50

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
1,2-Dichloropropane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichloropropane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2,2-Dichloropropane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Butanone (MEK)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.019	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chlorotoluene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Hexanone		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Chlorotoluene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acetone		ND	0.019	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrolein		ND	0.047	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrylonitrile		ND	0.0093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Benzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromobenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromochloromethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromodichloromethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromoform		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromomethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon disulfide		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon tetrachloride		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chlorobenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroform		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloromethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroprene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromochloromethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromomethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethanol		ND	0.047	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl methacrylate		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethylbenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Hexachlorobutadiene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Iodomethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Isopropylbenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
m,p-Xylene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl Methacrylate		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

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MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E3-25'

LL02006-02 (Soil) Sampled: 12/02/25 08:50

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Methylene chloride		ND	0.0019	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Naphthalene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Butylbenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Propylbenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
o-Xylene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
p-Isopropyltoluene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
sec-Butylbenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Styrene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.019	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butylbenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Toluene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichloroethene (TCE)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl acetate		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl chloride		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Xylenes		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*87.6%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Dibromofluoromethane		*97.8%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Toluene-d8		*96.9%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*

E4-20'

LL02006-03 (Soil) Sampled: 12/02/25 09:25

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Chromium		**12**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Lead		**3.7**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Nickel		**21**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Zinc		**31**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Surr: o-Terphenyl		*56.2%*	*Recovery Limits: 11.8% - 130%*			*B5L0211*	12/03/25	12/04/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E4-20'

LL02006-03 (Soil) Sampled: 12/02/25 09:25

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloropropene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0046	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichloropropane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichloropropane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2,2-Dichloropropane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Butanone (MEK)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.019	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chlorotoluene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Hexanone		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Chlorotoluene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acetone		ND	0.019	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrolein		ND	0.046	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrylonitrile		ND	0.0093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Benzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromobenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromochloromethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromodichloromethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromoform		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromomethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon disulfide		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon tetrachloride		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chlorobenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroform		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloromethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroprene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E4-20'

LL02006-03 (Soil) Sampled: 12/02/25 09:25

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
cis-1,3-Dichloropropene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromochloromethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromomethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethanol		ND	0.046	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl methacrylate		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethylbenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Hexachlorobutadiene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Iodomethane		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Isopropylbenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
m,p-Xylene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl Methacrylate		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methylene chloride		ND	0.0019	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Naphthalene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Butylbenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Propylbenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
o-Xylene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
p-Isopropyltoluene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
sec-Butylbenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Styrene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.019	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butylbenzene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Toluene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichloroethene (TCE)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl acetate		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl chloride		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Xylenes		ND	0.00093	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*90.8%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Dibromofluoromethane		*105%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Toluene-d8		*100%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*

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MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E4-25'

LL02006-04 (Soil) Sampled: 12/02/25 09:32

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Chromium		**11**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Lead		**4.4**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Nickel		**17**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Zinc		**16**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Surr: o-Terphenyl		*50.9%*	*Recovery Limits: 11.8% - 130%*			*B5L0211*	12/03/25	12/04/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethane		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloropropene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0038	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichloropropane		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichloropropane		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2,2-Dichloropropane		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Butanone (MEK)		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.015	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chlorotoluene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Hexanone		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Chlorotoluene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acetone		ND	0.015	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrolein		ND	0.038	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrylonitrile		ND	0.0076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Benzene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromobenzene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

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California ELAP Certificate #1371

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Fresno, CA 93721
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MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E4-25'

LL02006-04 (Soil) Sampled: 12/02/25 09:32

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Bromochloromethane		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromodichloromethane		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromoform		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromomethane		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon disulfide		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon tetrachloride		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chlorobenzene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroethane		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroform		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloromethane		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroprene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromochloromethane		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromomethane		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethanol		ND	0.038	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl methacrylate		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethylbenzene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Hexachlorobutadiene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Iodomethane		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Isopropylbenzene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
m,p-Xylene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl Methacrylate		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methylene chloride		ND	0.0015	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Naphthalene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Butylbenzene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Propylbenzene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
o-Xylene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
p-Isopropyltoluene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
sec-Butylbenzene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Styrene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.015	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butylbenzene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Toluene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichloroethene (TCE)		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E4-25'

LL02006-04 (Soil) Sampled: 12/02/25 09:32

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Trichlorofluoromethane (CFC-11)		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl acetate		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl chloride		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Xylenes		ND	0.00076	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*88.4%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Dibromofluoromethane		*106%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Toluene-d8		*100%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*

E5-15'

LL02006-05 (Soil) Sampled: 12/02/25 10:04

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Chromium		**19**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Lead		ND	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Nickel		**20**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Zinc		**10**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Surr: o-Terphenyl		*55.6%*	*Recovery Limits: 11.8% - 130%*			*B5L0211*	12/03/25	12/04/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethane		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloropropene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0044	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

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MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E5-15'

LL02006-05 (Soil) Sampled: 12/02/25 10:04

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
1,2-Dichloropropane		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichloropropane		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2,2-Dichloropropane		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Butanone (MEK)		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.018	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chlorotoluene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Hexanone		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Chlorotoluene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acetone		ND	0.018	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrolein		ND	0.044	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrylonitrile		ND	0.0088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Benzene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromobenzene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromochloromethane		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromodichloromethane		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromoform		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromomethane		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon disulfide		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon tetrachloride		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chlorobenzene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroethane		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroform		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloromethane		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroprene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromochloromethane		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromomethane		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethanol		ND	0.044	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl methacrylate		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethylbenzene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Hexachlorobutadiene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Iodomethane		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Isopropylbenzene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
m,p-Xylene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl Methacrylate		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E5-15'

LL02006-05 (Soil) Sampled: 12/02/25 10:04

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Methylene chloride		ND	0.0018	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Naphthalene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Butylbenzene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Propylbenzene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
o-Xylene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
p-Isopropyltoluene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
sec-Butylbenzene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Styrene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.018	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butylbenzene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Toluene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichloroethene (TCE)		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl acetate		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl chloride		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Xylenes		ND	0.00088	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*90.0%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Dibromofluoromethane		*101%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Toluene-d8		*99.2%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*

E5-25'

LL02006-06 (Soil) Sampled: 12/02/25 10:20

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Chromium		**12**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Lead		**5.3**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Nickel		**17**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Zinc		**38**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Surr: o-Terphenyl		*62.1%*	*Recovery Limits: 11.8% - 130%*			*B5L0211*	12/03/25	12/04/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B

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MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E5-25'

LL02006-06 (Soil) Sampled: 12/02/25 10:20

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethane		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloropropene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0041	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichloropropane		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichloropropane		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2,2-Dichloropropane		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Butanone (MEK)		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.016	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chlorotoluene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Hexanone		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Chlorotoluene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acetone		ND	0.016	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrolein		ND	0.041	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrylonitrile		ND	0.0082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Benzene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromobenzene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromochloromethane		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromodichloromethane		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromoform		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromomethane		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon disulfide		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon tetrachloride		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chlorobenzene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroethane		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroform		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloromethane		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroprene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E5-25'

LL02006-06 (Soil) Sampled: 12/02/25 10:20

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
cis-1,3-Dichloropropene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromochloromethane		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromomethane		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethanol		ND	0.041	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl methacrylate		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethylbenzene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Hexachlorobutadiene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Iodomethane		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Isopropylbenzene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
m,p-Xylene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl Methacrylate		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methylene chloride		ND	0.0016	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Naphthalene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Butylbenzene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Propylbenzene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
o-Xylene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
p-Isopropyltoluene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
sec-Butylbenzene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Styrene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.016	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butylbenzene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Toluene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichloroethene (TCE)		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl acetate		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl chloride		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Xylenes		ND	0.00082	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*89.0%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Dibromofluoromethane		*104%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Toluene-d8		*97.6%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E6-15'

LL02006-07 (Soil) Sampled: 12/02/25 07:40

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		ND	0.40	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Chromium		**10**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Lead		ND	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Nickel		**16**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Zinc		**9.4**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Surr: o-Terphenyl		*51.7%*	*Recovery Limits: 11.8% - 130%*			*B5L0211*	12/03/25	12/04/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethane		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloropropene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0047	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichloropropane		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichloropropane		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2,2-Dichloropropane		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Butanone (MEK)		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.019	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chlorotoluene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Hexanone		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Chlorotoluene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acetone		ND	0.019	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrolein		ND	0.047	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrylonitrile		ND	0.0094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Benzene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromobenzene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E6-15'

LL02006-07 (Soil) Sampled: 12/02/25 07:40

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Bromochloromethane		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromodichloromethane		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromoform		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromomethane		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon disulfide		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon tetrachloride		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chlorobenzene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroethane		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroform		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloromethane		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroprene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromochloromethane		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromomethane		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethanol		ND	0.047	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl methacrylate		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethylbenzene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Hexachlorobutadiene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Iodomethane		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Isopropylbenzene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
m,p-Xylene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl Methacrylate		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methylene chloride		ND	0.0019	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Naphthalene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Butylbenzene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Propylbenzene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
o-Xylene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
p-Isopropyltoluene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
sec-Butylbenzene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Styrene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.019	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butylbenzene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Toluene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichloroethene (TCE)		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E6-15'

LL02006-07 (Soil) Sampled: 12/02/25 07:40

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Trichlorofluoromethane (CFC-11)		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl acetate		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl chloride		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Xylenes		ND	0.00094	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*90.1%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Dibromofluoromethane		*103%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Toluene-d8		*99.7%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*

E6-25'

LL02006-08 (Soil) Sampled: 12/02/25 07:58

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Cadmium		**0.52**	0.40	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Chromium		**11**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Lead		**6.5**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Nickel		**20**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Zinc		**50**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B
Semi-Volatile Organics									
TPH-D (C10-C28)									
Diesel		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Surr: o-Terphenyl		*56.7%*	*Recovery Limits: 11.8% - 130%*			*B5L0211*	12/03/25	12/04/25	*EPA 8015B*
TPH-MO (C14-C40)									
Motor Oil		ND	10	mg/kg	1	B5L0211	12/03/25	12/04/25	EPA 8015B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1,2-Trichloroethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloroethene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,1-Dichloropropene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0050	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E6-25'

LL02006-08 (Soil) Sampled: 12/02/25 07:58

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
1,2-Dichloropropane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,3-Dichloropropane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
1,4-Dichlorobenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2,2-Dichloropropane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Butanone (MEK)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chloroethylvinyl ether		ND	0.020	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Chlorotoluene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
2-Hexanone		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Chlorotoluene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acetone		ND	0.020	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrolein		ND	0.050	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Acrylonitrile		ND	0.010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Benzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromobenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromochloromethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromodichloromethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromoform		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Bromomethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon disulfide		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Carbon tetrachloride		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chlorobenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroform		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloromethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Chloroprene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,2-Dichloroethene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
cis-1,3-Dichloropropene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromochloromethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dibromomethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethanol		ND	0.050	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl methacrylate		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Ethylbenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Hexachlorobutadiene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Iodomethane		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Isopropylbenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
m,p-Xylene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl Methacrylate		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88004.01	01/05/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

E6-25'

LL02006-08 (Soil) Sampled: 12/02/25 07:58

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Methylene chloride		ND	0.0020	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Naphthalene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Butylbenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
n-Propylbenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
o-Xylene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
p-Isopropyltoluene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
sec-Butylbenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Styrene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.020	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
tert-Butylbenzene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Tetrachloroethene (PCE)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Toluene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,2-Dichloroethene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,3-Dichloropropene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichloroethene (TCE)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl acetate		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Vinyl chloride		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Xylenes		ND	0.0010	mg/kg	1	B5L0824	12/08/25	12/08/25	EPA 8260B
Surr: 4-Bromofluorobenzene		*87.5%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Dibromofluoromethane		*103%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*
Surr: Toluene-d8		*99.0%*	*Recovery Limits: 70% - 130%*			*B5L0824*	12/08/25	12/08/25	*EPA 8260B*

Notes and Definitions

MS3	Matrix Spike Recovery for this analyte was biased low; associated blank spike recovery is within range.
RPD	The RPD result exceeded the QC control limits. However, both percent recoveries were acceptable.
µg/L	micrograms per liter (parts per billion concentration units)
mg/L	milligrams per liter (parts per million concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
	Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field. If the test was performed in the laboratory, the hold time was exceeded. **(for aqueous matrices only)**

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BSK Associates Laboratory Fresno
687 N. Laverne Avenue
Fresno, CA 93727
559-497-2888 (Main)

AIL0259
12/11/2025
Invoice: AI32004

Susan Federico
Moore Twining Associates
2527 Fresno Street
Fresno, CA 93721

RE: Report for AIL0259 General

Dear Susan Federico,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 12/2/2025. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2016 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

This certificate of analysis shall not be reproduced except in full, without written approval of the laboratory.

If additional clarification of any information is required, please contact your Client Services Representative, Heather S. Johnson , at 559-497-2888.

Thank you again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Heather Johnson

Heather S. Johnson, Project Manager

Accredited in Accordance with NELAP
ORELAP #4021

Case Narrative

Project and Report Details		Invoice Details	
Client:	Moore Twining Associates	**Invoice To:**	Moore Twining Associates
Report To:	Susan Federico	**Invoice Attn:**	Denise Willis
Project #:	LL02006	**Project PO#:**	43463
Received:	12/02/2025 - 13:09		
Report Due:	12/16/2025		

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 5.3

Containers Intact
COC/Labels Agree
Received On Ice
Sample(s) arrived at lab on same day sampled.
Packing Material - Bubble Wrap
Initial receipt at BSK-FAL

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

None applied

Report Distribution

Recipient(s)	Report Format	CC:
Danielle Abrames	FINAL.RPT	susanf@mooretwining.com;laurenc@mooretwining.com;gregb@mooretwining.com

Certificate of Analysis

Sample ID: AIL0259-01
Sampled By: Keith Mayes
Sample Description: LL02006-01 // E3-15'

Sample Date - Time: 12/02/2025 - 08:35
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIL0212	12/08/25	12/09/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	101 %	*Acceptable range: 50-150 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Sample ID: AIL0259-02
Sampled By: Keith Mayes
Sample Description: LL02006-02 // E3-25'

Sample Date - Time: 12/02/2025 - 08:50
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIL0701	12/10/25	12/11/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	103 %	*Acceptable range: 50-150 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Sample ID: AIL0259-03
Sampled By: Keith Mayes
Sample Description: LL02006-03 // E4-20'

Sample Date - Time: 12/02/2025 - 09:25
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIL0701	12/10/25	12/11/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	99 %	*Acceptable range: 50-150 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Sample ID: AIL0259-04
Sampled By: Keith Mayes
Sample Description: LL02006-04 // E4-25'

Sample Date - Time: 12/02/2025 - 09:32
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIL0701	12/10/25	12/11/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	106 %	*Acceptable range: 50-150 %*						

Certificate of Analysis

Sample ID: AIL0259-05
Sampled By: Keith Mayes
Sample Description: LL02006-05 // E5-15'

Sample Date - Time: 12/02/2025 - 10:04
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIL0701	12/10/25	12/11/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	102 %	*Acceptable range: 50-150 %*						

Certificate of Analysis

Sample ID: AIL0259-06
Sampled By: Keith Mayes
Sample Description: LL02006-06 // E5-25'

Sample Date - Time: 12/02/2025 - 10:20
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIL0701	12/10/25	12/11/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	101 %	*Acceptable range: 50-150 %*						

Certificate of Analysis

Sample ID: AIL0259-07
Sampled By: Keith Mayes
Sample Description: LL02006-07 // E6-15'

Sample Date - Time: 12/02/2025 - 07:40
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIL0701	12/10/25	12/11/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	100 %	*Acceptable range: 50-150 %*						

Certificate of Analysis

Sample ID: AIL0259-08
Sampled By: Keith Mayes
Sample Description: LL02006-08 // E6-25'

Sample Date - Time: 12/02/2025 - 07:58
Matrix: Solid
Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
TPH-Gasoline by GC-MS									
Gasoline Range Organics (C6-10)	EPA 8260D	ND	1000	ug/kg	1	AIL0701	12/10/25	12/11/25	
Surrogate: 1,2-Dichloroethane-d4	EPA 8260D	101 %	*Acceptable range: 50-150 %*						

BSK Associates Laboratory Fresno

Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 8260D - Quality Control											
Batch: AIL0212										Prepared: 12/8/2025	
Prep Method: no prep-volatiles										Analyst: ETH	
Blank (AIL0212-BLK1)											
Gasoline Range Organics (C6-10)	ND	1000	ug/kg							12/09/25	
Surrogate: 1,2-Dichloroethane-d4	*52*			*50*		*103*	*50-150*			12/09/25	
Blank Spike (AIL0212-BS3)											
Gasoline Range Organics (C6-10)	4900	1000	ug/kg	5000	ND	99	50-150			12/08/25	
Surrogate: 1,2-Dichloroethane-d4	*49*			*50*		*98*	*50-150*			12/08/25	
Duplicate (AIL0212-DUP1), Source: AIL0027-01RE1											
Gasoline Range Organics (C6-10)	2400	1000	ug/kg		ND					12/09/25	
Surrogate: 1,2-Dichloroethane-d4	*50*			*50*		*99*	*50-150*			12/09/25	
EPA 8260D - Quality Control											
Batch: AIL0701										Prepared: 12/10/2025	
Prep Method: no prep-volatiles										Analyst: ETH	
Blank (AIL0701-BLK1)											
Gasoline Range Organics (C6-10)	ND	1000	ug/kg							12/11/25	
Surrogate: 1,2-Dichloroethane-d4	*52*			*50*		*104*	*50-150*			12/11/25	
Blank Spike (AIL0701-BS1)											
Gasoline Range Organics (C6-10)	4900	1000	ug/kg	5000	ND	97	50-150			12/11/25	
Surrogate: 1,2-Dichloroethane-d4	*51*			*50*		*102*	*50-150*			12/11/25	
Blank Spike Dup (AIL0701-BSD1)											
Gasoline Range Organics (C6-10)	4700	1000	ug/kg	5000	ND	94	50-150	3	30	12/11/25	
Surrogate: 1,2-Dichloroethane-d4	*51*			*50*		*103*	*50-150*			12/11/25	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Field tests are outside the scope of laboratory accreditation and there is no certification available for field testing.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.
- (2) - Formerly known as Bis(2-Chloroisopropyl) ether.
  Unless otherwise noted, TOC results by SM 5310C method do not include purgeable organic carbon, which is removed along with the inorganic carbon interference. The POC contribution to TOC is considered to be negligible.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected below MRL/MDL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	PicoCuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit	U:	The analyte was not detected at or above the reported sample quantitation limit.

Please see the individual Subcontract Lab's report for applicable certifications.

The following parameters are not available for certification through CA ELAP:

Odor Diisopropyl ether (DIPE) by EPA 524.2

The following parameters are calculated values and are outside the scope of our NELAP accreditation:

Total Nitrogen Aggressive Index Trivalent Chromium

BSK is not accredited under the NELAP program for the following additional parameters: **NA**

Certificate of Analysis

Certifications: **Please refer to our website for a copy of our Accredited Fields of Testing under each certification.**

Bakersfield

State of California - ELAP	1180-S3

Fresno

State of California - ELAP	1180	State of Hawaii	4021
Los Angeles CSD	9254479	NELAP certified	4021-025
State of Nevada	NV-C25-00264	State of Oregon - NELAP	4021-025
EPA UCMR5	CA00079	State of Washington	C997-25

Sacramento

State of California - ELAP	1180-S1

San Bernardino

State of California - ELAP	1180-S2	Los Angeles CSD	9254478
NELAP certified	4119-010	State of Oregon - NELAP	4119-010

Vancouver

NELAP certified	WA100008-021	State of Oregon - NELAP	WA100008-021
State of Washington	C824-25		

AIL0259 Moore7021 12/02/2025

MOORE TWINING ASSOCIATES, INC

Analytical Chemistry Division
California ELAP Certification # 1371

Purchase Order # 43463
MTA Project # LL02006

Please reference these numbers on all reports and invoices.
We also request QC data be provided with final report.

SENDING LABORATORY:	PROJECT MANAGER / REPORT TO:	RECEIVING LABORATORY:
Moore Twining Associates, Inc 2527 Fresno Street Fresno, CA 93721 Phone: (559) 268-7021 Fax: (559) 268-0740	Susan Federico SusanF@mooretwining.com **INVOICE TO:** Denise Willis AccountsPayable@MooreTwining.com	BSK Analytical Laboratories 687 N. Laverne Avenue Fresno, CA 93727 Phone: (559) 497-2880 Fax: (559) 485-6935

SAMPLE INFORMATION — **COMMENTS / SOURCE ID**

1 **Client Sample ID: E3-15'**
MTA Sample ID: LL02006-01 **Matrix:** Soil **Sampled Date/Time:** 12/02/25 08:35
Requested Analysis: TPH-G **Holding Time Expires:** 12/16/25 08:35
Containers Supplied:
5g Encore (D) *5g Encore (E)*

Sampled by: Keith Mayes

2 **Client Sample ID: E3-25'**
MTA Sample ID: LL02006-02 **Matrix:** Soil **Sampled Date/Time:** 12/02/25 08:50
Requested Analysis: TPH-G **Holding Time Expires:** 12/16/25 08:50
Containers Supplied:
5g Encore (D) *5g Encore (E)*

3 **Client Sample ID: E4-20'**
MTA Sample ID: LL02006-03 **Matrix:** Soil **Sampled Date/Time:** 12/02/25 09:25
Requested Analysis: TPH-G **Holding Time Expires:** 12/16/25 09:25
Containers Supplied:
5g Encore (D) *5g Encore (E)*

4 **Client Sample ID: E4-25'**
MTA Sample ID: LL02006-04 **Matrix:** Soil **Sampled Date/Time:** 12/02/25 09:32
Requested Analysis: TPH-G **Holding Time Expires:** 12/16/25 09:32
Containers Supplied:
5g Encore (D) *5g Encore (E)*

5 **Client Sample ID: E5-15'**
MTA Sample ID: LL02006-05 **Matrix:** Soil **Sampled Date/Time:** 12/02/25 10:04
Requested Analysis: TPH-G **Holding Time Expires:** 12/16/25 10:04
Containers Supplied:
5g Encore (D) *5g Encore (E)*

Temp °C 5.3

WI, BW, WalkIn

Thermometer # 42

Released By	Date / Time	Received By	Date / Time
Meg Botts	1-2-25	BW	12-02-25
Released By	Date / Time	Received By	Date / Time
			12-02-25 1309

Please email copy of receipt with your assigned Sample ID Number to SusanF@MooreTwining.com

MOORE TWINING ASSOCIATES, INC

Analytical Chemistry Division
California ELAP Certification # 1371

AIL0259 Moore7021 12/02/2025

10

Purchase Order # 43463
MTA Project # LL02006

Please reference these numbers on all reports and invoices.
We also request QC data be provided with final report.

SAMPLE INFORMATION			COMMENTS / SOURCE ID
Client Sample ID: E5-25'			
1 6 **MTA Sample ID:** LL02006-06	**Matrix:** Soil	**Sampled Date/Time:** 12/02/25 10:20	
Requested Analysis: TPH-G		**Holding Time Expires:** 12/16/25 10:20	
Containers Supplied:			
5g Encore (D)	*5g Encore (E)*		
Client Sample ID: E6-15'			
2 **MTA Sample ID:** LL02006-07	**Matrix:** Soil	**Sampled Date/Time:** 12/02/25 07:40	
Requested Analysis: TPH-G		**Holding Time Expires:** 12/16/25 07:40	
Containers Supplied:			
5g Encore (D)	*5g Encore (E)*		
Client Sample ID: E6-25'			
3 **MTA Sample ID:** LL02006-08	**Matrix:** Soil	**Sampled Date/Time:** 12/02/25 07:58	
Requested Analysis: TPH-G		**Holding Time Expires:** 12/16/25 07:58	
Containers Supplied:			
5g Encore (D)	*5g Encore (E)*		

Temp °C 5.3 WI, BW, Walk In

Thermometer # 42

BM 12-02-25

Released By	Date / Time	Received By	Date / Time
Meg Betts	1-2-25	BM	12-02-25
Released By	Date / Time	Received By	Date / Time
			12-02-25 1309

Please email copy of receipt with your assigned Sample ID Number to SusanF@MooreTwining.com

AIL0259 Moore7021 12/02/2025 10

Sample Integrity

BSK Bottles: Yes (No) Page 1 of 1

COC Info

Was temperature within range? Chemistry ≤ 6°C Micro < 8°C	(Yes) No NA	Were correct containers and preservatives received for the tests requested?	(Yes) No
If samples were taken today, is there evidence that chilling has begun?	Yes (No) NA	Bubbles Present VOAs (524.2/TTHM/TCP)? TB Received? (Check Method Below)	Yes No (NA) Yes No (NA)
Did all bottles arrive unbroken and intact?	(Yes) No	Was a sufficient amount of sample received?	(Yes) No
Did all bottle labels agree with COC?	(Yes) No	**Do samples have a hold time <72 hours?**	(Yes) No
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes (NA)	Was PM notified of discrepancies? PM: dt: email scan copy	Yes No (NA)

Bottles Received (- means preservation/chlorine checks are either N/A or are performed in the lab)

250ml(A) 500ml(B) 1Liter(C) 40mlVOA(V) 125ml(D)	Checks*	Passed?
Bacti $Na_2S_2O_3$	—	—
None (P) White Label	—	—
Cr6 (P) Lt. Green Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ **DW**	Cl, pH > 8	P F
Cr6 (P) Pink Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ **WW**	pH 9.3-9.7	P F
Cr6 (P) Black Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ **7199** ***24 HOUR HOLD TIME***	pH 9.0-9.5	P F
HNO_3 (P) Red Label or HCl (P) Purple Cap/Lt. Blue Label	—	—
H_2SO_4 (P) or (AG) Yellow Label	pH < 2	P F
NaOH (P) Green Cap/Label	Cl, pH >10	P F
NaOH + ZnAc (P)	pH > 9	P F
Dissolved Oxygen 300ml (g)	—	—
None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	—	—
HCl (AG) Lt. Blue Label O&G, Diesel	—	—
Ascorbic, EDTA, KH_2Ct (AG) Pink Label 525	—	—
Na_2SO_3 (AG) Neon Green Label 515	—	—
$Na_2S_2O_3$ 1 Liter (Brown P) 549	—	—
$Na_2S_2O_3$ (AG) Blue Label 548, THM, 524	—	—
$Na_2S_2O_3$ (CG) Blue Label 504, 505, 547	—	—
$Na_2S_2O_3$ + MCAA (CG) Orange Label 531	pH < 3	P F
NH_4Cl (AG) Purple Label 552	—	—
EDA (P) or (AG) Brown Label DBPs	—	—
HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624	—	—
Ascorbic Acid (AG) **TCP DWRL**	—	—
Buffer pH 4 (CG)	—	—
H_3PO_4 (CG) Salmon Label	---	---
Trizma – EPA 537.1 Light Blue Label **FB**	—	—
Ammonia Acetate - EPA 533 Purple Label **FB**	—	—
Bottle Water	—	—
Clear Glass: Jar / VOA	—	—
OTHER: Purple Bag	—	—

Split

	Container	Preservative	Lot #	Initials	Date/Time
S P					
S P					

Preservation Check
pH Lot #
Cl Lot #

Comments

*Preservation check completed by lab performing analysis.

✓ **Indicates Blanks Received**

504 ___ 524.2 ___ TTHM ___ 537/533 ___ TCP___

✓ **MS/MSD Received Method:** _____

Labeled by: **Checked by:**

Scanned: _____ Rush/Short HT Page: _____ Time: _____

MOORE TWINING ASSOCIATES, INC. EST. 1898

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

WORK ORDER #: LL02006
PAGE 1 **OF** 2

REPORT TO:

ATTENTION: Keith Mayes
NAME: MTA Environmental
ADDRESS: 2527 Fresno Street
Fresno, CA 93721
PHONE: (559) 268-7021
FAX: (559) 268-7126

☐ INVOICE TO:

ATTENTION: Keith Mayes
NAME: MTA Environmental
ADDRESS: 2527 Fresno Street
Fresno, CA 93721
PHONE: (559) 268-7021
FAX: (559) 268-7126

☐ REPORT COPY TO:

REPORTING:

X STANDARD FORMAT
☐ WRITE-ON (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ SPREADSHEET
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER:
Standard Excel/J-flag report

SAMPLE INFORMATION

SAMPLED BY (PRINT): Keith Mayes
SIGNATURE:

☐ PUBLIC SYSTEM ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON:
X STANDARD

SAMPLE TYPES:
SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID
LIQUID:
DW - DRINKING WATER
GW - GROUND WATER
OL - OIL
SF - SURFACE WATER
ST - STORM WATER
WW – WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:
PROJECT: Judicial Council of California Courthouse Park Redevelopment, 2200 Fresno Street, Fresno, CA
PROJECT NUMBER: C88004.01
PROJECT MANAGER: Keith Mayes

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
X ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION
4 °C

LAB USE

ANALYSIS REQUESTED

	CLIENT SAMPLE ID	DATE	TIME	TYPE	TPHg (8015)	TPHd/mo (8015)	VOCs (8260B)	LUFT 5 Metals						
1	E3-15'	12/2/25	08:35	SL	X	X	X	X						
2	E3-25'	12/2/25	08:50	SL	X	X	X	X						
3	E4-20'	12/2/25	09:25	SL	X	X	X	X						
4	E4-25'	12/2/25	09:32	SL	X	X	X	X						
5	E5-15'	12/2/25	10:04	SL	X	X	X	X						
6	E5-25'	12/2/25	10:20	SL	X	X	X	X						
7	E6-15'	12/2/25	07:40	SL	X	X	X	X						
8	E6-25'	12/2/25	07:58	SL	X	X	X	X						

COMMENTS/ADDITIONAL INSTRUCTIONS: Samples to be analyzed for TPHg and VOCs were collected in Encore devices per EPA Method 5035

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Keith Mayes	MTA	12/2/25	1450		

Sample Integrity — Page 2 of 2 — Moore Twining Associates WO# 220006 — MTA Bottles: (Yes) or No

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp 4.0 °C	(Yes) No N/A	Did all bottle labels agree with COC?	(Yes) No N/A	Were there bubbles in VOA vials? (Volatiles Only)	Yes No (N/A)
If samples were taken today, is there evidence that chilling has begun? Recvd ____ C°	(Yes) No N/A	Was a sufficient amount of sample received?	(Yes) No N/A	Was PM notified of discrepancies? PM: By/Time:	Yes No (N/A)
Did all bottles arrive unbroken and intact?	(Yes) No N/A	Were correct containers and preservatives received for the tests requested?	(Yes) No N/A		
Do samples have a hold time <72 hours?	(Yes) No N/A				

Bottles Received

125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)	128																						
Bacti $Na_2S_2O_3$ Thio 120mL																							
None (P)																							
None (AG)																							
None (CG) 500ml																							
Cr6 Buffer (P) Borate Carbonate Buffer-EPA 7196A																							
Dissolved Oxygen 300ml (P)																							
HNO_3 (P)																							
HCl (AG)																							
H_2SO_4 (P)																							
H_3PO_4 (AG) - TOC																							
NaOH (P) , cyanide																							
NaOH + ZnAc (P) sodium hydroxid+zinc acetate																							
$Na_2S_2O_3$ (AG) Thio EPA 547, 538, TTHM																							
$Na_2S_2O_3$ (CG) Thio EPA , 504.1																							
$Na_2S_2O_3$ 250ml (Brown P) EPA 549																							
Thio/K Citrate(AG) EPA 531.2																							
NH_4Cl (AG) 552- ammonium chloride EPA HAA5																							
Other:																							
Client Own																							
Low Level Hg/Metals Double Bag																							
Plastic Bag																							
Glass Jar: 125 / 250 / 500																							
Soil Tube: Brass / (Steel) / Plastic																							
5g Encore	4																						
Cubitaner 1G / 2.5 G																							

Comments

Filter or Split

	Container	Preservative	Date/Time/Initials
S P F			
S P F			
S P F			
S P F			
S P F			

Labeled by: ____ @ ____ Labels checked by: [illegible] @ 1156

FL-SC-0003-07

MOORE TWINING ASSOCIATES, INC.
Since 1898
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

January 07, 2026

Work Order #: **LL04014**

Keith Mayes
MTA Environmental Division
2527 Fresno Street
Fresno, CA 93721

RE: J.C.C.Courthouse Park Redevelopement,2200 FresnoSt

Enclosed are the analytical results for samples received by our laboratory on **12/04/25** . For your reference, these analyses have been assigned laboratory work order number **LL04014**.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Lauren Cox
Client Services Representative

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88001.01	01/07/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

Analytical Report for the Following Samples

Sample ID	Notes	Laboratory ID	Matrix	Date Sampled	Date Received
L1- 0'		LL04014-01	Soil	12/04/25 10:16	12/04/25 13:00
L2- 0'		LL04014-02	Soil	12/04/25 10:19	12/04/25 13:00
L3- 0'		LL04014-03	Soil	12/04/25 10:22	12/04/25 13:00
L4- 0'		LL04014-04	Soil	12/04/25 10:27	12/04/25 13:00
L5- 0'		LL04014-05	Soil	12/04/25 10:31	12/04/25 13:00
L6- 0'		LL04014-06	Soil	12/04/25 10:36	12/04/25 13:00
L7- 0'		LL04014-07	Soil	12/04/25 10:41	12/04/25 13:00
L8- 0'		LL04014-08	Soil	12/04/25 10:44	12/04/25 13:00
L9- 0'		LL04014-09	Soil	12/04/25 10:47	12/04/25 13:00
L10- 0'		LL04014-10	Soil	12/04/25 10:51	12/04/25 13:00
L11- 0'		LL04014-11	Soil	12/04/25 10:55	12/04/25 13:00
L12- 0'		LL04014-12	Soil	12/04/25 11:02	12/04/25 13:00
L13- 0'		LL04014-13	Soil	12/04/25 11:05	12/04/25 13:00
L14- 0'		LL04014-14	Soil	12/04/25 11:08	12/04/25 13:00
L15- 0'		LL04014-15	Soil	12/04/25 11:15	12/04/25 13:00
L16- 0'		LL04014-16	Soil	12/04/25 11:19	12/04/25 13:00
L17- 0'		LL04014-17	Soil	12/04/25 11:24	12/04/25 13:00
L18- 0'		LL04014-18	Soil	12/04/25 11:30	12/04/25 13:00
L19- 0'		LL04014-19	Soil	12/04/25 11:34	12/04/25 13:00
L20- 0'		LL04014-20	Soil	12/04/25 11:40	12/04/25 13:00
L21- 0'		LL04014-21	Soil	12/04/25 11:44	12/04/25 13:00
L22- 0'		LL04014-22	Soil	12/04/25 11:48	12/04/25 13:00
L23- 0'		LL04014-23	Soil	12/04/25 11:52	12/04/25 13:00
L24- 0'		LL04014-24	Soil	12/04/25 11:55	12/04/25 13:00
L25- 0'		LL04014-25	Soil	12/04/25 11:58	12/04/25 13:00

Amended report to run Lead STLC per client request. (LRC 1/07/26)

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88001.01	01/07/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

L1- 0'

LL04014-01 (Soil) Sampled: 12/04/25 10:16

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**33**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B

L2- 0'

LL04014-02 (Soil) Sampled: 12/04/25 10:19

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**26**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B

L3- 0'

LL04014-03 (Soil) Sampled: 12/04/25 10:22

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**33**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B

L4- 0'

LL04014-04 (Soil) Sampled: 12/04/25 10:27

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**31**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B

L5- 0'

LL04014-05 (Soil) Sampled: 12/04/25 10:31

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**30**	2.0	mg/kg	1	B5L0212	12/08/25	12/10/25	EPA 6010B

L6- 0'

LL04014-06 (Soil) Sampled: 12/04/25 10:36

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**47**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88001.01	01/07/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

L7- 0'

LL04014-07 (Soil) Sampled: 12/04/25 10:41

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**70**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B
Metals (STLC/Citrate Buffer)									
Lead		**4.2**	0.50	mg/L	1	B5L2202	12/29/25	12/29/25	EPA 6010B

L8- 0'

LL04014-08 (Soil) Sampled: 12/04/25 10:44

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**39**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

L9- 0'

LL04014-09 (Soil) Sampled: 12/04/25 10:47

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**38**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

L10- 0'

LL04014-10 (Soil) Sampled: 12/04/25 10:51

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**33**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

L11- 0'

LL04014-11 (Soil) Sampled: 12/04/25 10:55

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**29**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

L12- 0'

LL04014-12 (Soil) Sampled: 12/04/25 11:02

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**22**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

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MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88001.01	01/07/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

L13- 0'

LL04014-13 (Soil) Sampled: 12/04/25 11:05

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**21**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

L14- 0'

LL04014-14 (Soil) Sampled: 12/04/25 11:08

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**20**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

L15- 0'

LL04014-15 (Soil) Sampled: 12/04/25 11:15

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**16**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

L16- 0'

LL04014-16 (Soil) Sampled: 12/04/25 11:19

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**11**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

L17- 0'

LL04014-17 (Soil) Sampled: 12/04/25 11:24

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**19**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

L18- 0'

LL04014-18 (Soil) Sampled: 12/04/25 11:30

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**38**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88001.01	01/07/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

L19- 0'

LL04014-19 (Soil) Sampled: 12/04/25 11:34

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**31**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

L20- 0'

LL04014-20 (Soil) Sampled: 12/04/25 11:40

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**21**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

L21- 0'

LL04014-21 (Soil) Sampled: 12/04/25 11:44

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**53**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B
Metals (STLC/Citrate Buffer)									
Lead		**3.7**	0.50	mg/L	1	B5L2202	12/29/25	12/29/25	EPA 6010B

L22- 0'

LL04014-22 (Soil) Sampled: 12/04/25 11:48

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**27**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

L23- 0'

LL04014-23 (Soil) Sampled: 12/04/25 11:52

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**14**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

L24- 0'

LL04014-24 (Soil) Sampled: 12/04/25 11:55

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**16**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

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MOORE TWINING ASSOCIATES, INC.
California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	**Project:** J.C.C.Courthouse Park Redevelopement,2200 FresnoSt	**Reported:**
2527 Fresno Street	**Project Number:** C88001.01	01/07/2026
Fresno CA, 93721	**Project Manager:** Keith Mayes	

L25- 0'

LL04014-25 (Soil) Sampled: 12/04/25 11:58

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		**11**	2.0	mg/kg	1	B5L0420	12/09/25	12/11/25	EPA 6010B

Notes and Definitions

MS2	Matrix Spike Recovery for this analyte was biased high; associated blank spike recovery is within range.
µg/L	micrograms per liter (parts per billion concentration units)
mg/L	milligrams per liter (parts per million concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
	Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field. If the test was performed in the laboratory, the hold time was exceeded. **(for aqueous matrices only)**

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lauren Cox

From: Keith Mayes
Sent: Friday, December 19, 2025 4:26 PM
To: Lauren Cox
Subject: RE: Judicial Council of California Courthouse Park Redevelopment - LL04014

Thanks Lauren. Can you request the lab to run a STLC lead on the following samples.

Sample 07 (L7-0')
Sample 21 (L21-0')

Please confirm that you can do this

Thanks

Keith Mayes, PG
Project Manager
Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, California 93721
Office (559) 268-7021
Mobile (559) 978-9561

From: Lauren Cox <LaurenC@mooretwining.com>
Sent: Thursday, December 18, 2025 9:37 AM
To: Keith Mayes <KeithM@mooretwining.com>
Subject: Judicial Council of California Courthouse Park Redevelopment - LL04014

Keith,
Here is the report you needed.
Have a good one!

Lauren Cox
Client Services Representative

Moore Twining Associates, Inc.
2527 Fresno St.
Fresno, CA 93721
Ph: (559) 268-7021 ext. 231
Fax: (559) 268-7126
www.mooretwining.com

We accept VISA and MasterCard. * Effective October 1st, 2021 there will be a 3% surcharge for all credit card transactions.

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MOORE TWINING ASSOCIATES, INC.
EST. 1898
ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

WORK ORDER #: LL04014
PAGE 1 OF 3

REPORT TO: ☐ INVOICE TO: ☐ REPORT COPY TO:

REPORT TO:	INVOICE TO:
ATTENTION: Keith Mayes	ATTENTION: Keith Mayes
NAME: MTA Environmental	NAME: MTA Environmental
ADDRESS: 2527 Fresno Street	ADDRESS: 2527 Fresno Street
Fresno, CA 93721	Fresno, CA 93721
PHONE: (559) 268-7021	PHONE: (559) 268-7021
FAX: (559) 268-7126	FAX: (559) 268-7126

REPORTING:
- X STANDARD FORMAT
- ☐ WRITE-ON (STATE FORM)
- ☐ GEOTRACKER/COELT (LUFT)
- ☐ PDF ☐ SPREADSHEET
- ☐ County DHS :
- ☐ Environmental Health Agency :
- ☐ OTHER: Standard Excel/J-flag report

SAMPLE INFORMATION

SAMPLED BY (PRINT): Keith Mayes
SIGNATURE:

☐ PUBLIC SYSTEM ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON:
X STANDARD

SAMPLE TYPES:
SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID
LIQUID:
DW - DRINKING WATER
GW - GROUND WATER
OL - OIL
SF - SURFACE WATER
ST - STORM WATER
WW – WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:
PROJECT: Judicial Council of California Courthouse Park Redevelopment, 2200 Fresno Street, Fresno, CA
PROJECT NUMBER: C88004.01
PROJECT MANAGER: Keith Mayes

LAB USE

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☐ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION
6.0

ANALYSIS REQUESTED

	CLIENT SAMPLE ID	DATE	TIME	TYPE	Total Lead
1	L1-0'	12/4/25	1016	SL	X
2	L2-0'	12/4/25	1019	SL	X
3	L3-0'	12/4/25	1022	SL	X
4	L4-0'	12/4/25	1027	SL	X
5	L5-0'	12/4/25	1031	SL	X
6	L6-0'	12/4/25	1036	SL	X
7	L7-0'	12/4/25	1041	SL	X
8	L8-0'	12/4/25	1044	SL	X
9	L9-0'	12/4/25	1047	SL	X
10	L10-0'	12/4/25	1051	SL	X
11	L11-0'	12/4/25	1055	SL	X
12	L12-0'	12/4/25	1102	SL	X
13	L13-0'	12/4/25	1105	SL	X

COMMENTS/ADDITIONAL INSTRUCTIONS:

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
	MTA	12/4/25	1300		

MTA MOORE TWINING ASSOCIATES, INC. EST. 1898

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

WORK ORDER #: LL04014
PAGE 2 **OF** 3

REPORT TO:

ATTENTION: Keith Mayes
NAME: MTA Environmental
ADDRESS: 2527 Fresno Street
Fresno, CA 93721
PHONE: (559) 268-7021
FAX: (559) 268-7126

☐ INVOICE TO:

ATTENTION: Keith Mayes
NAME: MTA Environmental
ADDRESS: 2527 Fresno Street
Fresno, CA 93721
PHONE: (559) 268-7021
FAX: (559) 268-7126

☐ REPORT COPY TO:

REPORTING:

X STANDARD FORMAT
☐ WRITE-ON (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ SPREADSHEET
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER:
Standard Excel/J-flag report

SAMPLE INFORMATION

SAMPLED BY (PRINT): Keith Mayes
SIGNATURE:

☐ PUBLIC SYSTEM ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☐ RUSH, DUE ON:
X STANDARD

SAMPLE TYPES:
SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID
LIQUID:
DW - DRINKING WATER
GW - GROUND WATER
OL - OIL
SF - SURFACE WATER
ST - STORM WATER
WW – WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:
PROJECT: Judicial Council of California Courthouse Park Redevelopment, 2200 Fresno Street, Fresno, CA
PROJECT NUMBER: C88004.01
PROJECT MANAGER: Keith Mayes

ANALYSIS REQUESTED

LAB USE

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☐ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION
6.0

	CLIENT SAMPLE ID	DATE	TIME	TYPE	Total Lead									
14	L14-0'	12/4/25	1108	SL	X									
15	L15-0'	12/4/25	1115	SL	X									
16	L16-0'	12/4/25	1119	SL	X									
17	L17-0'	12/4/25	1124	SL	X									
18	L18-0'	12/4/25	1130	SL	X									
19	L19-0'	12/4/25	1134	SL	X									
20	L20-0'	12/4/25	1140	SL	X									
21	L21-0'	12/4/25	1144	SL	X									
22	L22-0'	12/4/25	1148	SL	X									
23	L23-0'	12/4/25	1152	SL	X									
24	L24-0'	12/4/25	1155	SL	X									
25	L25-0'	12/4/25	1158	SL	X									
		12/4/25		SL	X									

COMMENTS/ADDITIONAL INSTRUCTIONS:

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
	MTA	12/4/25	1300		

Sample Integrity — Page 3 of 3 — Moore Twining Associates WO# C004014 — MTA Bottles: (Yes) or No

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp 6.2 °C	(Yes) No N/A	Did all bottle labels agree with COC?	(Yes) No N/A	Were there bubbles in VOA vials? **(Volatiles Only)**	Yes No (N/A)
If samples were taken today, is there evidence that chilling has begun? Recvd ____ C°	(Yes) No N/A	Was a sufficient amount of sample received?	(Yes) No N/A	Was PM notified of discrepancies? PM: By/Time:	Yes No (N/A)
Did all bottles arrive unbroken and intact?	(Yes) No N/A	Were correct containers and preservatives received for the tests requested?	(Yes) No N/A		
Do samples have a hold time <72 hours?	(Yes) No N/A				

Bottles Received

125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)																		
Bacti $Na_2S_2O_3$ Thio 120mL																		
None (P)																		
None (AG)																		
None (CG) 500ml																		
Cr6 Buffer (P) Borate Carbonate Buffer-EPA 7196A																		
Dissolved Oxygen 300ml (P)																		
HNO_3 (P)																		
HCl (AG)																		
H_2SO_4 (P)																		
H_3PO_4 (AG) - TOC																		
NaOH (P) , cyanide																		
NaOH + ZnAc (P) sodium hydroxid+zinc acetate																		
$Na_2S_2O_3$ (AG) Thio EPA 547, 538, TTHM																		
$Na_2S_2O_3$ (CG) Thio EPA , 504.1																		
$Na_2S_2O_3$ 250ml (Brown P) EPA 549																		
Thio/K Citrate(AG) EPA 531.2																		
NH_4Cl (AG) 552- ammonium chloride EPA HAA5																		
Other:																		
Client Own																		
Low Level Hg/Metals Double Bag																		
Plastic Bag																		
Glass Jar: 125 / 250 / 500	1																	
Soil Tube: Brass / Steel / Plastic																		
5g Encore																		
Cubitaner 1G / 2.5 G																		

Comments

Filter or Split

	Container	Preservative	Date/Time/Initials
S P F			
S P F			
S P F			
S P F			
S P F			

Labeled by: ____ @ ____ Labels checked by: MB @ ____

FL-SC-0003-07

ENVIRONMENTAL
Analytical Service, Inc.

Thursday, January 8, 2026

Sample Delivery Group (SDG) 225333
EAS Project Number: 17921

Keith Mayes
Moore Twining Associates
2527 Fresno Street
Fresno, CA 93721

Keith,

Enclosed is the analytical report for the samples received and analyzed by Environmental Analytical Service, Inc. for the following Project.

Client Project Name: Fresno Courthouse
PO Number:
Client Project Number: C88004.01
Sample Event Date: 12/8/2025

If you have any questions on the report or the analytical data please contact me at (805) 781-3585.

Sincerely,

Steven D. Hoyt Ph.D.
Laboratory Director

SDH/LIMS

173 Cross Street
San Luis Obispo
CA
93401-7597
805.781.3585
Fax 805.541.4550

ENVIRONMENTAL
Analytical Service, Inc.

Analytical Report

Project Name:

Fresno Courthouse

EAS SDG Number: **225333**

Client Project Manager: Keith Mayes

Prepared For:
Moore Twining Associates
2527 Fresno Street
Fresno CA 93721

Project Number: 17921
Sample Event Date: 12/8/2025
Received Date: 12/9/2025
Report Date: 1/8/2026

Project Number: C88004.01
PO Number:

This is the Laboratory Report for the samples in the indicated Sample Delivery Group (SDG). Each sample received in the group is assigned a Laboratory ID number. The combination of the SDG number and the Lab ID number is an unique identifier for the sample.

This Report Contains:

Laboratory Work Order
Project Sample Media
Laboratory Case Narrative and Chain of Custody
Method Description (when applicable)
Quality Control Reports
Analytical Reports

NELAC Certification: Florida E871125

173 Cross Street, San Luis Obispo, CA 93401 (805) 781-3585

Laboratory Work Order

SDG Number: 225333
Client: Keith Mayes
Moore Twining Associates

Project Number: 17921
Received: 12/9/2025

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
SG-1	225333 1	EPA TO-15 VOC, TPHg, IPA	12/8/2025
SG-2	225333 2	EPA TO-15 VOC, TPHg, IPA	12/8/2025
SG-3	225333 3	EPA TO-15 VOC, TPHd, IPA	12/8/2025
SG4-10'	225333 4	EPA TO-15 VOC, TPHd, IPA	12/8/2025
SG4-25'	225333 5	EPA TO-15 VOC, TPHd, IPA	12/8/2025
SG5-10'	225333 6	EPA TO-15 VOC, TPHd, IPA	12/8/2025
SG5-25'	225333 7	EPA TO-15 VOC, TPHd, IPA	12/8/2025
OA-1	225333 8	EPA TO-15 VOC, TPHg/d, IPA	12/8/2025

Project Sample Media

SDG Number: 225333

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is pessurized the final pressure will be recorded, and the canister dilution factor is calculated as the ratio of the final to initial pressure. The results are adjusted for the can dilution factor.

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Pressure, torr Final	Can Factor
225333	1	SG-1	332		696	696	1.00
225333	2	SG-2	301		633	633	1.00
225333	3	SG-3	383		665	665	1.00
225333	4	SG4-10'	370		579	579	1.00
225333	5	SG4-25'	389		437	437	1.00
225333	6	SG5-10'	306		646	646	1.00
225333	7	SG5-25'	348		602	602	1.00
225333	8	OA-1	358		657	657	1.00

Laboratory Case Narrative

EAS SDG Number: 225333 **Project Number:** 17921

Client: Moore Twining Associates

The Laboratory Case Narrative for the SDG is below. The Chain of Custody form(s) follow the Laboratory Case Narrative.

Sample Control Narrative

The samples were all received in good condition and with proper preservation.

Analytical Methods

The methods used for sample analysis are listed on the Analytyical Report header, and have been modified as described in the EAS Quality Manual..

Case Narrative

QC Narrative

All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

Subcontract Narrative

No sample analysis was subcontracted for this project

Laboratory Certification

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition(s) noted above. The Laboratory Report is property of EAS and its client. The entire report has been reviewed and approved.



Date Approved: 1/8/2026

Steven D. Hoyt, Ph.D.
Environmental Analytical Service
Laboratory Director

ENVIRONMENTAL
Analytical Service, Inc.

173 Cross Street
San Luis Obispo, CA 93401
805 781-3585

CHAIN OF CUSTODY RECORD

Project Number C880004.01	Project Name Fresno Courthouse		Quote	Requested TAT Normal

REPORT TO:	
Attention	Keith Mayes
Company	Moore Twining Associates
Address	2527 Fresno St
City, State, Zip	Fresno CA 93721
Phone/Fax	559 268 7021
e-mail	keithm@mooretwining.com

Matrix
A - Ambient Air
SG - Soil Gas
S - Source
I - Indoor Air

SDG

Sample Description	Sample Date	Start Time	Stop Date	Stop Time	Canister Number	Flow Reg Number	Matrix	Initial Pressure	Final Pressure	Laboratory ID	Analytical Tests: TO-15	TO-15	VOCs	TPH (Diesel)		Comments
SG-1	12/8/25	0936	12/8/25	0955	332	2585	SG	27	4		X		X	X		
SG-2		0933		0958	301	2578		28	5		X		X	X		
SG-3		1118		1149	382	2639		28	4			X	X	X		
~~SG4~~ SG4-10'		1308		1335	370	2512		26	4			X	X	X		
SG4-25'		1255		1327	389	2643		27	5			X	X	X		
SG5-10'		1152		1219	306	2586		28	5			X	X	X		
SG5-25'		1157		1220	348	2275		27	5			X	X	X		
DA-1		0936		1003	358	2569	A	27	4		X	X	X	X		

Comments

BILLING INFORMATION:		SAMPLED BY	Date/Time		
ATTENTION	SAME	Keith Mayes	12/8/25 1430	COC Number	
Company				Cooler Temp	
Address				Airbill	
City, State, Zip		RECEIVED FOR LAB			
Purchase Order					

Quality Control Report

EAS SDG Number: 225333

Project Number: 17921

QC Narrative

Samples were anlayzed in a daily analytical batch (DAB) designated by a QC batch number, and were analyzed using EAS standard laboratory QC specified in the EAS Quality Manual which may be different then the referrenced agency method. Any deviations from the EAS QC criteria are flagged in the Laboratory Control Reports or in the sample Analytical Reports.

Standard Laboratory QC Report

Unless project specific QC was requested, this Section containing the standard laboratory QC (Level 2) supplied with the Analytical Reports. Each sample is analyzed in a Daily Analytical Batch (DAB) which includes the method blank, a laboratory control spike (LCS) and a laboratory control duplicate (LCD). A Daily Analytical Batch QC report is supplied for each method requested.

Method Blank

The method blank is a laboratory generated sample which assesses the degree to which laboratory operations cause a false positive. The target analytes in the analytical reports for a daily analytical batch are "B" flagged if their concentrations are present in the Method Blank above the RL, unless the result is greater then ten times the blank value..

Laboratory Control Spike

A laboratory control spike is a well characterized matrix similar to the sample which is spiked and run in duplicate with each Daily Analytical Batch. The laboratory control spike results are reported as a percent recovery. The QC Criteria for the control spike is listed in the Laboratory Control Report. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report. The control spike contains an abbreviated list of compounds in the method, and may contain compounds not on the target list for the specified report.

Laboratory Control Duplicate

The laboratory control duplicate is a duplicate analysis of the laboratory control spike, a standard, or a sample depending on the method. The results are reported as a relative percent difference (RPD). The criteria for the duplicate is in the Laboratory Control Report for the Daily Analytical Batch. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: LABQC

Analytical Method: TO-15

Laboratory ID: B12175

File Name: B12175C.D
Description: METHOD BLANK
Canister:
QC_Batch: 121725-MA1

Date Sampled:
Date Analyzed: 12/17/25
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

Time:
Time: 10:56

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-71-8	Dichlorodifluoromethane	0.65	0.83	ND	3.22	4.13	ND	
74-87-3	Chloromethane	0.65	0.84	ND	1.34	1.74	ND	
76-14-2	Freon 114	0.17	0.84	ND	1.17	5.87	ND	
75-01-4	Vinyl chloride	0.17	0.84	ND	0.43	2.15	ND	
106-99-0	1,3-Butadiene	0.33	0.84	ND	0.74	1.86	ND	
74-83-9	Bromomethane	0.33	0.84	ND	1.30	3.26	ND	
75-00-3	Chloroethane	0.17	0.84	ND	0.44	2.21	ND	
64-17-5	Ethanol	0.83	2.50	ND	1.57	4.72	ND	
75-69-4	Trichlorofluoromethane	0.35	0.84	ND	1.97	4.73	ND	
67-64-1	Acetone	2.00	2.50	ND	4.76	5.95	ND	
67-63-0	2-propanol	0.83	2.50	ND	2.05	6.15	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.28	ND	
76-13-1	Freon 113	0.17	0.80	ND	1.28	6.12	ND	
75-09-2	Dichloromethane	0.33	0.80	ND	1.16	2.79	ND	
75-15-0	Carbon disulfide	0.83	1.55	ND	2.60	4.82	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.60	ND	0.66	2.39	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.61	ND	1.20	2.22	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.68	3.37	ND	
108-05-4	Vinyl acetate	0.17	0.73	ND	0.59	2.58	ND	
78-93-3	2-Butanone	0.67	1.70	ND	1.97	5.01	ND	
141-78-6	Ethyl acetate	0.33	0.73	ND	1.20	2.63	ND	
74-97-5	Bromochloromethane	0.17	0.44	ND	0.88	2.35	ND	
109-99-9	Tetrahydrofuran	0.33	0.84	ND	0.98	2.48	ND	
156-59-2	cis-1,2-Dichloroethene	0.33	0.90	ND	1.32	3.56	ND	
67-66-3	Chloroform	0.17	0.79	ND	0.82	3.88	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.74	ND	0.91	4.04	ND	
107-06-2	1,2-Dichloroethane	0.17	0.76	ND	0.68	3.08	ND	
110-82-7	Cyclohexane	0.17	0.64	2.78	0.58	2.21	9.60	
71-43-2	Benzene	0.67	1.00	ND	2.13	3.20	ND	
56-23-5	Carbon tetrachloride	0.15	0.79	ND	0.94	4.98	ND	
142-82-5	n-Heptane	0.83	2.02	ND	3.42	8.29	ND	
78-87-5	1,2-Dichloropropane	0.17	0.80	ND	0.77	3.71	ND	
123-91-1	1,4 Dioxane	0.67	1.36	ND	2.41	4.92	ND	
79-01-6	Trichloroethene	0.10	0.78	ND	0.54	4.18	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-27-4	Bromodichloromethane	0.17	0.34	ND	1.12	2.26	ND	
80-62-6	Methyl methacrylate	0.67	2.25	ND	2.73	9.24	ND	
108-10-1	4-Methyl-2-pentanone	0.67	2.52	ND	2.74	10.35	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
108-88-3	Toluene	0.33	0.87	ND	1.26	3.28	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.86	ND	0.91	4.68	ND	
591-78-6	2-Hexanone	0.83	2.36	ND	3.42	9.70	ND	
124-48-1	Dibromochloromethane	0.17	0.33	ND	1.42	2.84	ND	
106-93-4	1,2-Dibromoethane	0.17	0.40	ND	1.28	3.11	ND	
127-18-4	Tetrachloroethene	0.10	0.41	ND	0.68	2.75	ND	
108-90-7	Chlorobenzene	0.17	0.76	ND	0.77	3.50	ND	
100-41-4	Ethylbenzene	0.35	0.88	ND	1.53	3.83	ND	
1330-20-7	m,p-Xylenes	0.35	0.88	ND	1.54	3.84	ND	
100-42-5	Styrene	0.35	0.86	ND	1.47	3.68	ND	
75-25-2	Bromoform	0.33	0.22	ND	3.45	2.31	ND	
95-47-6	o-Xylene	0.34	0.86	ND	1.49	3.74	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.33	0.41	ND	2.29	2.84	ND	
622-96-8	4-Ethyltoluene	0.55	1.38	ND	2.72	6.80	ND	
108-67-8	1,3,5-Trimethylbenzene	0.34	0.86	ND	1.70	4.24	ND	
95-63-6	1,2,4-Trimethylbenzene	0.34	0.85	ND	1.67	4.17	ND	
541-73-1	1,3-Dichlorobenzene	0.33	0.62	ND	2.01	3.71	ND	
100-44-7	Benzyl chloride	0.33	2.02	ND	1.73	10.47	ND	
106-46-7	1,4-Dichlorobenzene	0.33	0.58	ND	2.01	3.47	ND	
95-50-1	1,2-Dichlorobenzene	0.67	0.83	ND	4.01	5.02	ND	
120-82-1	1,2,4-Trichlorobenzene	0.83	1.15	ND	6.19	8.52	ND	
91-20-3	Naphthalene	0.17	0.27	ND	0.89	1.40	ND	
87-68-3	Hexachlorobutadiene	0.17	0.21	ND	1.78	2.24	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B12175

File Name: B12175C.D
Description: METHOD BLANK
Can/Tube#:
QC_Batch: 121725-MA1

Date Sampled:
Date Analyzed: 12/17/25
Can Dilution Factor: 1.00
Air Volume: 300 ml

Time:
Time: 10:56

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-63-0	2-propanol (Isopropyl alcohol)	0.83	2.50	ND	2.05	6.15	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified TPH

SDG: LABQC
Analytical Method: TO-15 **Laboratory ID:** B12175

File Name: B12175C.D **Date Sampled:** **Time:**
Description: METHOD BLANK **Date Analyzed:** 12/17/25 **Time:** 10:56
Canister: **Can Dilution Factor:** 1.00
QC_Batch: 121725-MA1 **Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
1330-20-7	TPH Gasoline	13.33	40.00	ND	67.76	203.28	ND	
68334-30-5	TPH Diesel	13.33	40.00	ND	78.69	236.07	ND	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: LABQC

Analytical Method: TO-15

Laboratory ID: B12225

File Name: B12225D.D
Description: METHOD BLANK
Canister:
QC_Batch: 122225-MA1

Date Sampled:
Date Analyzed: 12/22/25
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

Time:
Time: 10:56

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-71-8	Dichlorodifluoromethane	0.65	0.83	ND	3.22	4.13	ND	
74-87-3	Chloromethane	0.65	0.84	ND	1.34	1.74	ND	
76-14-2	Freon 114	0.17	0.84	ND	1.17	5.87	ND	
75-01-4	Vinyl chloride	0.17	0.84	ND	0.43	2.15	ND	
106-99-0	1,3-Butadiene	0.33	0.84	ND	0.74	1.86	ND	
74-83-9	Bromomethane	0.33	0.84	ND	1.30	3.26	ND	
75-00-3	Chloroethane	0.17	0.84	ND	0.44	2.21	ND	
64-17-5	Ethanol	0.83	2.50	ND	1.57	4.72	ND	
75-69-4	Trichlorofluoromethane	0.35	0.84	ND	1.97	4.73	ND	
67-64-1	Acetone	2.00	2.50	ND	4.76	5.95	ND	
67-63-0	2-propanol	0.83	2.50	ND	2.05	6.15	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.28	ND	
76-13-1	Freon 113	0.17	0.80	ND	1.28	6.12	ND	
75-09-2	Dichloromethane	0.33	0.80	ND	1.16	2.79	ND	
75-15-0	Carbon disulfide	0.83	1.55	ND	2.60	4.82	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.60	ND	0.66	2.39	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.61	ND	1.20	2.22	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.68	3.37	ND	
108-05-4	Vinyl acetate	0.17	0.73	ND	0.59	2.58	ND	
78-93-3	2-Butanone	0.67	1.70	ND	1.97	5.01	ND	
141-78-6	Ethyl acetate	0.33	0.73	ND	1.20	2.63	ND	
74-97-5	Bromochloromethane	0.17	0.44	ND	0.88	2.35	ND	
109-99-9	Tetrahydrofuran	0.33	0.84	ND	0.98	2.48	ND	
156-59-2	cis-1,2-Dichloroethene	0.33	0.90	ND	1.32	3.56	ND	
67-66-3	Chloroform	0.17	0.79	ND	0.82	3.88	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.74	ND	0.91	4.04	ND	
107-06-2	1,2-Dichloroethane	0.17	0.76	ND	0.68	3.08	ND	
110-82-7	Cyclohexane	0.17	0.64	ND	0.58	2.21	ND	
71-43-2	Benzene	0.67	1.00	ND	2.13	3.20	ND	
56-23-5	Carbon tetrachloride	0.15	0.79	ND	0.94	4.98	ND	
142-82-5	n-Heptane	0.83	2.02	ND	3.42	8.29	ND	
78-87-5	1,2-Dichloropropane	0.17	0.80	ND	0.77	3.71	ND	
123-91-1	1,4 Dioxane	0.67	1.36	ND	2.41	4.92	ND	
79-01-6	Trichloroethene	0.10	0.78	ND	0.54	4.18	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-27-4	Bromodichloromethane	0.17	0.34	ND	1.12	2.26	ND	
80-62-6	Methyl methacrylate	0.67	2.25	ND	2.73	9.24	ND	
108-10-1	4-Methyl-2-pentanone	0.67	2.52	ND	2.74	10.35	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
108-88-3	Toluene	0.33	0.87	ND	1.26	3.28	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.86	ND	0.91	4.68	ND	
591-78-6	2-Hexanone	0.83	2.36	ND	3.42	9.70	ND	
124-48-1	Dibromochloromethane	0.17	0.33	ND	1.42	2.84	ND	
106-93-4	1,2-Dibromoethane	0.17	0.40	ND	1.28	3.11	ND	
127-18-4	Tetrachloroethene	0.10	0.41	ND	0.68	2.75	ND	
108-90-7	Chlorobenzene	0.17	0.76	ND	0.77	3.50	ND	
100-41-4	Ethylbenzene	0.35	0.88	ND	1.53	3.83	ND	
1330-20-7	m,p-Xylenes	0.35	0.88	ND	1.54	3.84	ND	
100-42-5	Styrene	0.35	0.86	ND	1.47	3.68	ND	
75-25-2	Bromoform	0.33	0.22	ND	3.45	2.31	ND	
95-47-6	o-Xylene	0.34	0.86	ND	1.49	3.74	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.33	0.41	ND	2.29	2.84	ND	
622-96-8	4-Ethyltoluene	0.55	1.38	ND	2.72	6.80	ND	
108-67-8	1,3,5-Trimethylbenzene	0.34	0.86	ND	1.70	4.24	ND	
95-63-6	1,2,4-Trimethylbenzene	0.34	0.85	ND	1.67	4.17	ND	
541-73-1	1,3-Dichlorobenzene	0.33	0.62	ND	2.01	3.71	ND	
100-44-7	Benzyl chloride	0.33	2.02	ND	1.73	10.47	ND	
106-46-7	1,4-Dichlorobenzene	0.33	0.58	ND	2.01	3.47	ND	
95-50-1	1,2-Dichlorobenzene	0.67	0.83	ND	4.01	5.02	ND	
120-82-1	1,2,4-Trichlorobenzene	0.83	1.15	ND	6.19	8.52	ND	
91-20-3	Naphthalene	0.17	0.27	ND	0.89	1.40	ND	
87-68-3	Hexachlorobutadiene	0.17	0.21	ND	1.78	2.24	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B12225

File Name: B12225D.D
Description: METHOD BLANK
Can/Tube#:
QC_Batch: 122225-MA1

Date Sampled:
Date Analyzed: 12/22/25
Can Dilution Factor: 1.00
Air Volume: 300 ml

Time:
Time: 10:56

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-63-0	2-propanol (Isopropyl alcohol)	0.83	2.50	ND	2.05	6.15	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified TPH

SDG: LABQC
Analytical Method: TO-15 **Laboratory ID:** B12225

File Name: B12225D.D **Date Sampled:** **Time:**
Description: METHOD BLANK **Date Analyzed:** 12/22/25 **Time:** 16:11
Canister: **Can Dilution Factor:** 1.00
QC_Batch: 122225-MA1 **Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
1330-20-7	TPH Gasoline	13.33	40.00	ND	67.76	203.28	ND	
68334-30-5	TPH Diesel	13.33	40.00	ND	78.69	236.07	ND	

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 121725-MA1
Date: 12/17/25

		LCS Recovery		LCD Recovery		Spike Limit LCL	Spike Limit UCL	Duplicate	Duplicate Limit	
CAS#	Compound	%	Flag	%	Flag	%	%	%	%	Flag
75-01-4	Vinyl chloride	82		89		70	130	8	25	
75-35-4	1,1-Dichloroethene	103		108		70	130	4	25	
75-09-2	Dichloromethane	97		101		70	130	5	25	
75-34-3	1,1-Dichloroethane	104		115		70	130	10	25	
67-66-3	Chloroform	103		109		70	130	6	25	
71-55-6	1,1,1-Trichloroethane	112		117		70	130	5	25	
107-06-2	1,2-Dichloroethane	113		118		70	130	5	25	
71-43-2	Benzene	104		114		70	130	9	25	
56-23-5	Carbon tetrachloride	111		111		70	130	0	25	
79-01-6	Trichloroethene	101		106		70	130	5	25	
108-88-3	Toluene	113		111		70	130	2	25	
106-93-4	1,2-Dibromoethane	96		103		70	130	8	25	
127-18-4	Tetrachloroethene	114		115		70	130	1	25	
100-41-4	Ethylbenzene	122		120		70	130	2	25	
1330-20-7	m,p-Xylenes	119		115		70	130	4	25	
95-47-6	o-Xylene	121		123		70	130	2	25	
108-67-8	1,3,5-Trimethylbenzene	88		93		70	130	5	25	
95-63-6	1,2,4-Trimethylbenzene	102		106		70	130	4	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 122225-MA1
Date: 12/22/25

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	102		106		70	130	4	25	
75-35-4	1,1-Dichloroethene	120		103		70	130	15	25	
75-09-2	Dichloromethane	110		93		70	130	17	25	
75-34-3	1,1-Dichloroethane	119		105		70	130	12	25	
67-66-3	Chloroform	110		105		70	130	4	25	
71-55-6	1,1,1-Trichloroethane	115		105		70	130	9	25	
107-06-2	1,2-Dichloroethane	122		109		70	130	11	25	
71-43-2	Benzene	115		113		70	130	2	25	
56-23-5	Carbon tetrachloride	83		71		70	130	14	25	
79-01-6	Trichloroethene	109		101		70	130	7	25	
108-88-3	Toluene	112		102		70	130	9	25	
106-93-4	1,2-Dibromoethane	103		95		70	130	8	25	
127-18-4	Tetrachloroethene	114		102		70	130	10	25	
100-41-4	Ethylbenzene	120		100		70	130	18	25	
1330-20-7	m,p-Xylenes	116		102		70	130	13	25	
95-47-6	o-Xylene	115		101		70	130	13	25	
108-67-8	1,3,5-Trimethylbenzene	88		78		70	130	12	25	
95-63-6	1,2,4-Trimethylbenzene	103		87		70	130	17	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

Analytical Reports

EAS SDG Number: 225333

Project Number: 17921

The following pages contain the certified Analytical Reports for the samples submitted in the Sample Delivery Group (SDG) and are in order of the EAS Lab ID number. All of the analytical methods used are modifications of the published methods. Procedural method modifications, QC modifications, QC Criteria modifications, target lists, definitions of detection limits, and flags are all explained in detail in the EAS Quality Manual. The Analytical Report has columns for the method detection limit (MDL), the reporting limit (RL), and the Amount. The Amount is the concentration of the compound in the sample. The report usually has the results reported with two commonly used units. The MDL, RL, and Amount are adjusted for the canister dilution factor and any dilution caused by sample matrix effects.

NELAC CERTIFICATION

EAS is accredited by the National Environmental Laboratory Accreditation (NELAC) with the Florida Department of Health, one of the NELAC certifying states. EAS is certified for the EPA TO-15, EPA TO-11 and EPA TO-4 methods. A list of accredited compounds is available on request.

DETECTION LIMITS

MDL: The MDL is lowest concentration that can be measured to be statistically above the noise level and is determined using the EPA 2016 method which uses the standard deviation of replicate measurements made over time. The method also incorporates systematic instrumentation blank levels. See Quality Manual for detailed explanation.

RL: The reporting limit (RL) is the lowest concentration that can be reliably reported for each compound that meets the QC Criteria for the method, background levels, or project specific considerations. The QC criteria level for the method blank is to be less then the RL See Quality Manual for more information.

DATA FLAGS

In the standard report, if a compound is not detected above the method detection limit, a "ND" is in the Amount column. The flag column is used for both the not detect flag and for any data flags.

B - This compound was detected in the batch method blank above the reporting limit and is greater then one tenth the amount in the sample.

E - This compound exceeds the calibration range for this sample volume.

J - The amount reported is estimated because it was below the RL and could be below the lowest calibration point, have higher uncertainty, or could be the result of system background

SIGNIFICANT FIGURES

Based on the uncertainty in the methods, the numbers on the Analytical Reports should be used with only two significant digits. Additional significant figures are reported for ease of use and to avoid rounding errors when used in further calculations.

UNITS

PPBV or PPMV: Parts-per-billion (or million) by volume is a mole (volume) ratio of the moles of analyte divided by the moles of air (gas). This is the primary unit used to report air or gas concentrations and is independent of temperature and pressure.

UG/M3 OR MG/M3: The reported result was calculated based on 1 atm pressure and a temperature of 25C. The conversion from PPBV is: UG/M3 = PPBV x MW/24.46 where 24.26 is the gas constant and MW is the Compounds Molecular Weight (sometimes called Formula Weight)

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225333

Analytical Method: TO-15 **Laboratory ID:** 01

File Name: 2533301A.D **Date Sampled:** 12/08/25 **Time:** 09:36
Description: SG-1 **Date Analyzed:** 12/17/25 **Time:** 20:24
Canister: 332 **Can Dilution Factor:** 1.00
QC_Batch: 121725-MA1 **Air Volume:** 300.00 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-71-8	Dichlorodifluoromethane	0.65	0.83	ND	3.22	4.13	ND	
74-87-3	Chloromethane	0.65	0.84	ND	1.34	1.74	ND	
76-14-2	Freon 114	0.17	0.84	ND	1.17	5.87	ND	
75-01-4	Vinyl chloride	0.17	0.84	ND	0.43	2.15	ND	
106-99-0	1,3-Butadiene	0.33	0.84	ND	0.74	1.86	ND	
74-83-9	Bromomethane	0.33	0.84	ND	1.30	3.26	ND	
75-00-3	Chloroethane	0.17	0.84	ND	0.44	2.21	ND	
64-17-5	Ethanol	0.83	2.50	2.95	1.57	4.72	5.57	
75-69-4	Trichlorofluoromethane	0.35	0.84	ND	1.97	4.73	ND	
67-64-1	Acetone	2.00	2.50	6.35	4.76	5.95	15.11	
67-63-0	2-propanol	0.83	2.50	ND	2.05	6.15	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.28	ND	
76-13-1	Freon 113	0.17	0.80	ND	1.28	6.12	ND	
75-09-2	Dichloromethane	0.33	0.80	ND	1.16	2.79	ND	
75-15-0	Carbon disulfide	0.83	1.55	ND	2.60	4.82	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.60	ND	0.66	2.39	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.61	ND	1.20	2.22	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.68	3.37	ND	
108-05-4	Vinyl acetate	0.17	0.73	ND	0.59	2.58	ND	
78-93-3	2-Butanone	0.67	1.70	1.27	1.97	5.01	3.74	J
141-78-6	Ethyl acetate	0.33	0.73	ND	1.20	2.63	ND	
74-97-5	Bromochloromethane	0.17	0.44	ND	0.88	2.35	ND	
109-99-9	Tetrahydrofuran	0.33	0.84	1.14	0.98	2.48	3.35	
156-59-2	cis-1,2-Dichloroethene	0.33	0.90	ND	1.32	3.56	ND	
67-66-3	Chloroform	0.17	0.79	0.33	0.82	3.88	1.60	J
71-55-6	1,1,1-Trichloroethane	0.17	0.74	ND	0.91	4.04	ND	
107-06-2	1,2-Dichloroethane	0.17	0.76	ND	0.68	3.08	ND	
110-82-7	Cyclohexane	0.17	0.64	ND	0.58	2.21	ND	
71-43-2	Benzene	0.67	1.00	0.96	2.13	3.20	3.09	J
56-23-5	Carbon tetrachloride	0.15	0.79	ND	0.94	4.98	ND	
142-82-5	n-Heptane	0.83	2.02	ND	3.42	8.29	ND	
78-87-5	1,2-Dichloropropane	0.17	0.80	ND	0.77	3.71	ND	
123-91-1	1,4 Dioxane	0.67	1.36	ND	2.41	4.92	ND	
79-01-6	Trichloroethene	0.10	0.78	ND	0.54	4.18	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-27-4	Bromodichloromethane	0.17	0.34	ND	1.12	2.26	ND	
80-62-6	Methyl methacrylate	0.67	2.25	ND	2.73	9.24	ND	
108-10-1	4-Methyl-2-pentanone	0.67	2.52	ND	2.74	10.35	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
108-88-3	Toluene	0.33	0.87	0.54	1.26	3.28	2.04	J
10061-02-6	trans-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.86	ND	0.91	4.68	ND	
591-78-6	2-Hexanone	0.83	2.36	ND	3.42	9.70	ND	
124-48-1	Dibromochloromethane	0.17	0.33	ND	1.42	2.84	ND	
106-93-4	1,2-Dibromoethane	0.17	0.40	ND	1.28	3.11	ND	
127-18-4	Tetrachloroethene	0.10	0.41	ND	0.68	2.75	ND	
108-90-7	Chlorobenzene	0.17	0.76	ND	0.77	3.50	ND	
100-41-4	Ethylbenzene	0.35	0.88	ND	1.53	3.83	ND	
1330-20-7	m,p-Xylenes	0.35	0.88	ND	1.54	3.84	ND	
100-42-5	Styrene	0.35	0.86	ND	1.47	3.68	ND	
75-25-2	Bromoform	0.33	0.22	ND	3.45	2.31	ND	
95-47-6	o-Xylene	0.34	0.86	ND	1.49	3.74	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.33	0.41	ND	2.29	2.84	ND	
622-96-8	4-Ethyltoluene	0.55	1.38	ND	2.72	6.80	ND	
108-67-8	1,3,5-Trimethylbenzene	0.34	0.86	ND	1.70	4.24	ND	
95-63-6	1,2,4-Trimethylbenzene	0.34	0.85	ND	1.67	4.17	ND	
541-73-1	1,3-Dichlorobenzene	0.33	0.62	ND	2.01	3.71	ND	
100-44-7	Benzyl chloride	0.33	2.02	ND	1.73	10.47	ND	
106-46-7	1,4-Dichlorobenzene	0.33	0.58	ND	2.01	3.47	ND	
95-50-1	1,2-Dichlorobenzene	0.67	0.83	ND	4.01	5.02	ND	
120-82-1	1,2,4-Trichlorobenzene	0.83	1.15	ND	6.19	8.52	ND	
91-20-3	Naphthalene	0.17	0.27	ND	0.89	1.40	ND	
87-68-3	Hexachlorobutadiene	0.17	0.21	ND	1.78	2.24	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified TPH

SDG: 225333

Analytical Method: TO-15 **Laboratory ID:** 01

File Name: 2533301A.D **Date Sampled:** 12/08/25 **Time:** 09:36
Description: SG-1 **Date Analyzed:** 12/17/25 **Time:** 20:24
Canister: 332 **Can Dilution Factor:** 1.00
QC_Batch: 121725-MA1 **Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
1330-20-7	TPH Gasoline	13.33	40.00	44.97	67.76	203.28	265.38	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225333
Analytical Method: TO-15 **Laboratory ID:** 01

File Name: 2533301A.D **Date Sampled:** 12/08/25 **Time:** 09:36
Description: SG-1 **Date Analyzed:** 12/17/25 **Time:** 20:24
Can/Tube#: 332 **Can Dilution Factor:** 1.00
QC_Batch: 121725-MA1 **Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-63-0	2-propanol (Isopropyl alcohol)	0.83	2.50	ND	2.05	6.15	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225333

Analytical Method: TO-15

Laboratory ID: 02

File Name: 2533302A.D
Description: SG-2
Canister: 301
QC_Batch: 121725-MA1

Date Sampled: 12/08/25 **Time:** 09:33
Date Analyzed: 12/17/25 **Time:** 21:04
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-71-8	Dichlorodifluoromethane	0.65	0.83	ND	3.22	4.13	ND	
74-87-3	Chloromethane	0.65	0.84	ND	1.34	1.74	ND	
76-14-2	Freon 114	0.17	0.84	ND	1.17	5.87	ND	
75-01-4	Vinyl chloride	0.17	0.84	ND	0.43	2.15	ND	
106-99-0	1,3-Butadiene	0.33	0.84	ND	0.74	1.86	ND	
74-83-9	Bromomethane	0.33	0.84	ND	1.30	3.26	ND	
75-00-3	Chloroethane	0.17	0.84	ND	0.44	2.21	ND	
64-17-5	Ethanol	0.83	2.50	ND	1.57	4.72	ND	
75-69-4	Trichlorofluoromethane	0.35	0.84	ND	1.97	4.73	ND	
67-64-1	Acetone	2.00	2.50	2.79	4.76	5.95	6.63	
67-63-0	2-propanol	0.83	2.50	ND	2.05	6.15	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.28	ND	
76-13-1	Freon 113	0.17	0.80	ND	1.28	6.12	ND	
75-09-2	Dichloromethane	0.33	0.80	ND	1.16	2.79	ND	
75-15-0	Carbon disulfide	0.83	1.55	ND	2.60	4.82	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.60	ND	0.66	2.39	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.61	ND	1.20	2.22	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.68	3.37	ND	
108-05-4	Vinyl acetate	0.17	0.73	ND	0.59	2.58	ND	
78-93-3	2-Butanone	0.67	1.70	ND	1.97	5.01	ND	
141-78-6	Ethyl acetate	0.33	0.73	ND	1.20	2.63	ND	
74-97-5	Bromochloromethane	0.17	0.44	ND	0.88	2.35	ND	
109-99-9	Tetrahydrofuran	0.33	0.84	ND	0.98	2.48	ND	
156-59-2	cis-1,2-Dichloroethene	0.33	0.90	ND	1.32	3.56	ND	
67-66-3	Chloroform	0.17	0.79	ND	0.82	3.88	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.74	ND	0.91	4.04	ND	
107-06-2	1,2-Dichloroethane	0.17	0.76	ND	0.68	3.08	ND	
110-82-7	Cyclohexane	0.17	0.64	ND	0.58	2.21	ND	
71-43-2	Benzene	0.67	1.00	ND	2.13	3.20	ND	
56-23-5	Carbon tetrachloride	0.15	0.79	ND	0.94	4.98	ND	
142-82-5	n-Heptane	0.83	2.02	ND	3.42	8.29	ND	
78-87-5	1,2-Dichloropropane	0.17	0.80	ND	0.77	3.71	ND	
123-91-1	1,4 Dioxane	0.67	1.36	ND	2.41	4.92	ND	
79-01-6	Trichloroethene	0.10	0.78	ND	0.54	4.18	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-27-4	Bromodichloromethane	0.17	0.34	ND	1.12	2.26	ND	
80-62-6	Methyl methacrylate	0.67	2.25	ND	2.73	9.24	ND	
108-10-1	4-Methyl-2-pentanone	0.67	2.52	ND	2.74	10.35	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
108-88-3	Toluene	0.33	0.87	ND	1.26	3.28	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.86	ND	0.91	4.68	ND	
591-78-6	2-Hexanone	0.83	2.36	ND	3.42	9.70	ND	
124-48-1	Dibromochloromethane	0.17	0.33	ND	1.42	2.84	ND	
106-93-4	1,2-Dibromoethane	0.17	0.40	ND	1.28	3.11	ND	
127-18-4	Tetrachloroethene	0.10	0.41	ND	0.68	2.75	ND	
108-90-7	Chlorobenzene	0.17	0.76	ND	0.77	3.50	ND	
100-41-4	Ethylbenzene	0.35	0.88	ND	1.53	3.83	ND	
1330-20-7	m,p-Xylenes	0.35	0.88	ND	1.54	3.84	ND	
100-42-5	Styrene	0.35	0.86	ND	1.47	3.68	ND	
75-25-2	Bromoform	0.33	0.22	ND	3.45	2.31	ND	
95-47-6	o-Xylene	0.34	0.86	ND	1.49	3.74	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.33	0.41	ND	2.29	2.84	ND	
622-96-8	4-Ethyltoluene	0.55	1.38	ND	2.72	6.80	ND	
108-67-8	1,3,5-Trimethylbenzene	0.34	0.86	ND	1.70	4.24	ND	
95-63-6	1,2,4-Trimethylbenzene	0.34	0.85	ND	1.67	4.17	ND	
541-73-1	1,3-Dichlorobenzene	0.33	0.62	ND	2.01	3.71	ND	
100-44-7	Benzyl chloride	0.33	2.02	ND	1.73	10.47	ND	
106-46-7	1,4-Dichlorobenzene	0.33	0.58	ND	2.01	3.47	ND	
95-50-1	1,2-Dichlorobenzene	0.67	0.83	ND	4.01	5.02	ND	
120-82-1	1,2,4-Trichlorobenzene	0.83	1.15	ND	6.19	8.52	ND	
91-20-3	Naphthalene	0.17	0.27	ND	0.89	1.40	ND	
87-68-3	Hexachlorobutadiene	0.17	0.21	ND	1.78	2.24	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified TPH

SDG: 225333

Analytical Method: TO-15 **Laboratory ID:** 02

File Name: 2533302A.D **Date Sampled:** 12/08/25 **Time:** 09:33
Description: SG-2 **Date Analyzed:** 12/17/25 **Time:** 21:04
Canister: 301 **Can Dilution Factor:** 1.00
QC_Batch: 121725-MA1 **Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
1330-20-7	TPH Gasoline	13.33	40.00	19.79	67.76	203.28	116.81	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225333
Analytical Method: TO-15
Laboratory ID: 02

File Name: 2533302A.D
Description: SG-2
Can/Tube#: 301
QC_Batch: 121725-MA1

Date Sampled: 12/08/25 **Time:** 09:33
Date Analyzed: 12/17/25 **Time:** 21:04
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-63-0	2-propanol (Isopropyl alcohol)	0.83	2.50	ND	2.05	6.15	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225333

Analytical Method: TO-15

Laboratory ID: 03

File Name: 2533303A.D
Description: SG-3
Canister: 383
QC_Batch: 122225-MA1

Date Sampled: 12/08/25 **Time:** 11:18
Date Analyzed: 12/22/25 **Time:** 20:34
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-71-8	Dichlorodifluoromethane	0.65	0.83	ND	3.22	4.13	ND	
74-87-3	Chloromethane	0.65	0.84	ND	1.34	1.74	ND	
76-14-2	Freon 114	0.17	0.84	ND	1.17	5.87	ND	
75-01-4	Vinyl chloride	0.17	0.84	ND	0.43	2.15	ND	
106-99-0	1,3-Butadiene	0.33	0.84	ND	0.74	1.86	ND	
74-83-9	Bromomethane	0.33	0.84	ND	1.30	3.26	ND	
75-00-3	Chloroethane	0.17	0.84	ND	0.44	2.21	ND	
64-17-5	Ethanol	0.83	2.50	71.34	1.57	4.72	134.69	
75-69-4	Trichlorofluoromethane	0.35	0.84	ND	1.97	4.73	ND	
67-64-1	Acetone	2.00	2.50	10.37	4.76	5.95	24.68	
67-63-0	2-propanol	0.83	2.50	ND	2.05	6.15	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.28	ND	
76-13-1	Freon 113	0.17	0.80	ND	1.28	6.12	ND	
75-09-2	Dichloromethane	0.33	0.80	ND	1.16	2.79	ND	
75-15-0	Carbon disulfide	0.83	1.55	0.91	2.60	4.82	2.84	J
156-60-5	trans-1,2-Dichloroethene	0.17	0.60	ND	0.66	2.39	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.61	ND	1.20	2.22	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.68	3.37	ND	
108-05-4	Vinyl acetate	0.17	0.73	ND	0.59	2.58	ND	
78-93-3	2-Butanone	0.67	1.70	4.85	1.97	5.01	14.31	
141-78-6	Ethyl acetate	0.33	0.73	ND	1.20	2.63	ND	
74-97-5	Bromochloromethane	0.17	0.44	ND	0.88	2.35	ND	
109-99-9	Tetrahydrofuran	0.33	0.84	ND	0.98	2.48	ND	
156-59-2	cis-1,2-Dichloroethene	0.33	0.90	ND	1.32	3.56	ND	
67-66-3	Chloroform	0.17	0.79	ND	0.82	3.88	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.74	ND	0.91	4.04	ND	
107-06-2	1,2-Dichloroethane	0.17	0.76	ND	0.68	3.08	ND	
110-82-7	Cyclohexane	0.17	0.64	ND	0.58	2.21	ND	
71-43-2	Benzene	0.67	1.00	1.21	2.13	3.20	3.88	
56-23-5	Carbon tetrachloride	0.15	0.79	ND	0.94	4.98	ND	
142-82-5	n-Heptane	0.83	2.02	ND	3.42	8.29	ND	
78-87-5	1,2-Dichloropropane	0.17	0.80	ND	0.77	3.71	ND	
123-91-1	1,4 Dioxane	0.67	1.36	ND	2.41	4.92	ND	
79-01-6	Trichloroethene	0.10	0.78	ND	0.54	4.18	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-27-4	Bromodichloromethane	0.17	0.34	ND	1.12	2.26	ND	
80-62-6	Methyl methacrylate	0.67	2.25	ND	2.73	9.24	ND	
108-10-1	4-Methyl-2-pentanone	0.67	2.52	ND	2.74	10.35	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
108-88-3	Toluene	0.33	0.87	ND	1.26	3.28	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.86	ND	0.91	4.68	ND	
591-78-6	2-Hexanone	0.83	2.36	ND	3.42	9.70	ND	
124-48-1	Dibromochloromethane	0.17	0.33	ND	1.42	2.84	ND	
106-93-4	1,2-Dibromoethane	0.17	0.40	ND	1.28	3.11	ND	
127-18-4	Tetrachloroethene	0.10	0.41	ND	0.68	2.75	ND	
108-90-7	Chlorobenzene	0.17	0.76	ND	0.77	3.50	ND	
100-41-4	Ethylbenzene	0.35	0.88	ND	1.53	3.83	ND	
1330-20-7	m,p-Xylenes	0.35	0.88	ND	1.54	3.84	ND	
100-42-5	Styrene	0.35	0.86	ND	1.47	3.68	ND	
75-25-2	Bromoform	0.33	0.22	ND	3.45	2.31	ND	
95-47-6	o-Xylene	0.34	0.86	ND	1.49	3.74	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.33	0.41	ND	2.29	2.84	ND	
622-96-8	4-Ethyltoluene	0.55	1.38	ND	2.72	6.80	ND	
108-67-8	1,3,5-Trimethylbenzene	0.34	0.86	ND	1.70	4.24	ND	
95-63-6	1,2,4-Trimethylbenzene	0.34	0.85	ND	1.67	4.17	ND	
541-73-1	1,3-Dichlorobenzene	0.33	0.62	ND	2.01	3.71	ND	
100-44-7	Benzyl chloride	0.33	2.02	ND	1.73	10.47	ND	
106-46-7	1,4-Dichlorobenzene	0.33	0.58	ND	2.01	3.47	ND	
95-50-1	1,2-Dichlorobenzene	0.67	0.83	ND	4.01	5.02	ND	
120-82-1	1,2,4-Trichlorobenzene	0.83	1.15	ND	6.19	8.52	ND	
91-20-3	Naphthalene	0.17	0.27	ND	0.89	1.40	ND	
87-68-3	Hexachlorobutadiene	0.17	0.21	ND	1.78	2.24	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified TPH

SDG: 225333
Analytical Method: TO-15 **Laboratory ID:** 03

File Name: 2533303A.D **Date Sampled:** 12/08/25 **Time:** 11:18
Description: SG-3 **Date Analyzed:** 12/22/25 **Time:** 20:34
Canister: 383 **Can Dilution Factor:** 1.00
QC_Batch: 122225-MA1 **Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
68334-30-5	TPH Diesel	13.33	40.00	20.24	78.69	236.07	119.44	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225333
Analytical Method: TO-15
Laboratory ID: 03

File Name: 2533303A.D
Description: SG-3
Can/Tube#: 383
QC_Batch: 122225-MA1

Date Sampled: 12/08/25 **Time:** 11:18
Date Analyzed: 12/22/25 **Time:** 20:34
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound		MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-63-0	2-propanol	(Isopropyl alcohol)	0.83	2.50	ND	2.05	6.15	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225333

Analytical Method: TO-15 **Laboratory ID:** 04

File Name: 2533304A.D **Date Sampled:** 12/08/25 **Time:** 13:08
Description: SG4-10' **Date Analyzed:** 12/22/25 **Time:** 21:15
Canister: 370 **Can Dilution Factor:** 1.00
QC_Batch: 122225-MA1 **Air Volume:** 300.00 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-71-8	Dichlorodifluoromethane	0.65	0.83	ND	3.22	4.13	ND	
74-87-3	Chloromethane	0.65	0.84	ND	1.34	1.74	ND	
76-14-2	Freon 114	0.17	0.84	ND	1.17	5.87	ND	
75-01-4	Vinyl chloride	0.17	0.84	ND	0.43	2.15	ND	
106-99-0	1,3-Butadiene	0.33	0.84	ND	0.74	1.86	ND	
74-83-9	Bromomethane	0.33	0.84	ND	1.30	3.26	ND	
75-00-3	Chloroethane	0.17	0.84	ND	0.44	2.21	ND	
64-17-5	Ethanol	0.83	2.50	10.73	1.57	4.72	20.26	
75-69-4	Trichlorofluoromethane	0.35	0.84	ND	1.97	4.73	ND	
67-64-1	Acetone	2.00	2.50	6.83	4.76	5.95	16.25	
67-63-0	2-propanol	0.83	2.50	ND	2.05	6.15	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.28	ND	
76-13-1	Freon 113	0.17	0.80	ND	1.28	6.12	ND	
75-09-2	Dichloromethane	0.33	0.80	ND	1.16	2.79	ND	
75-15-0	Carbon disulfide	0.83	1.55	ND	2.60	4.82	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.60	ND	0.66	2.39	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.61	ND	1.20	2.22	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.68	3.37	ND	
108-05-4	Vinyl acetate	0.17	0.73	ND	0.59	2.58	ND	
78-93-3	2-Butanone	0.67	1.70	2.55	1.97	5.01	7.52	
141-78-6	Ethyl acetate	0.33	0.73	ND	1.20	2.63	ND	
74-97-5	Bromochloromethane	0.17	0.44	ND	0.88	2.35	ND	
109-99-9	Tetrahydrofuran	0.33	0.84	0.66	0.98	2.48	1.96	J
156-59-2	cis-1,2-Dichloroethene	0.33	0.90	ND	1.32	3.56	ND	
67-66-3	Chloroform	0.17	0.79	1.26	0.82	3.88	6.18	
71-55-6	1,1,1-Trichloroethane	0.17	0.74	ND	0.91	4.04	ND	
107-06-2	1,2-Dichloroethane	0.17	0.76	ND	0.68	3.08	ND	
110-82-7	Cyclohexane	0.17	0.64	ND	0.58	2.21	ND	
71-43-2	Benzene	0.67	1.00	1.37	2.13	3.20	4.37	
56-23-5	Carbon tetrachloride	0.15	0.79	ND	0.94	4.98	ND	
142-82-5	n-Heptane	0.83	2.02	ND	3.42	8.29	ND	
78-87-5	1,2-Dichloropropane	0.17	0.80	ND	0.77	3.71	ND	
123-91-1	1,4 Dioxane	0.67	1.36	ND	2.41	4.92	ND	
79-01-6	Trichloroethene	0.10	0.78	ND	0.54	4.18	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-27-4	Bromodichloromethane	0.17	0.34	ND	1.12	2.26	ND	
80-62-6	Methyl methacrylate	0.67	2.25	ND	2.73	9.24	ND	
108-10-1	4-Methyl-2-pentanone	0.67	2.52	ND	2.74	10.35	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
108-88-3	Toluene	0.33	0.87	ND	1.26	3.28	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.86	ND	0.91	4.68	ND	
591-78-6	2-Hexanone	0.83	2.36	ND	3.42	9.70	ND	
124-48-1	Dibromochloromethane	0.17	0.33	ND	1.42	2.84	ND	
106-93-4	1,2-Dibromoethane	0.17	0.40	ND	1.28	3.11	ND	
127-18-4	Tetrachloroethene	0.10	0.41	0.11	0.68	2.75	0.77	J
108-90-7	Chlorobenzene	0.17	0.76	ND	0.77	3.50	ND	
100-41-4	Ethylbenzene	0.35	0.88	ND	1.53	3.83	ND	
1330-20-7	m,p-Xylenes	0.35	0.88	ND	1.54	3.84	ND	
100-42-5	Styrene	0.35	0.86	ND	1.47	3.68	ND	
75-25-2	Bromoform	0.33	0.22	ND	3.45	2.31	ND	
95-47-6	o-Xylene	0.34	0.86	ND	1.49	3.74	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.33	0.41	ND	2.29	2.84	ND	
622-96-8	4-Ethyltoluene	0.55	1.38	ND	2.72	6.80	ND	
108-67-8	1,3,5-Trimethylbenzene	0.34	0.86	ND	1.70	4.24	ND	
95-63-6	1,2,4-Trimethylbenzene	0.34	0.85	ND	1.67	4.17	ND	
541-73-1	1,3-Dichlorobenzene	0.33	0.62	ND	2.01	3.71	ND	
100-44-7	Benzyl chloride	0.33	2.02	ND	1.73	10.47	ND	
106-46-7	1,4-Dichlorobenzene	0.33	0.58	ND	2.01	3.47	ND	
95-50-1	1,2-Dichlorobenzene	0.67	0.83	ND	4.01	5.02	ND	
120-82-1	1,2,4-Trichlorobenzene	0.83	1.15	ND	6.19	8.52	ND	
91-20-3	Naphthalene	0.17	0.27	ND	0.89	1.40	ND	
87-68-3	Hexachlorobutadiene	0.17	0.21	ND	1.78	2.24	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified TPH

SDG: 225333

Analytical Method: TO-15 **Laboratory ID:** 04

File Name: 2533304A.D **Date Sampled:** 12/08/25 **Time:** 13:08
Description: SG4-10' **Date Analyzed:** 12/22/25 **Time:** 21:15
Canister: 370 **Can Dilution Factor:** 1.00
QC_Batch: 122225-MA1 **Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
68334-30-5	TPH Diesel	13.33	40.00	ND	78.69	236.07	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225333
Analytical Method: TO-15 **Laboratory ID:** 04

File Name: 2533304A.D **Date Sampled:** 12/08/25 **Time:** 13:08
Description: SG4-10' **Date Analyzed:** 12/22/25 **Time:** 21:15
Can/Tube#: 370 **Can Dilution Factor:** 1.00
QC_Batch: 122225-MA1 **Air Volume:** 300 ml

CAS#	Compound		MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-63-0	2-propanol	(Isopropyl alcohol)	0.83	2.50	ND	2.05	6.15	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225333

Analytical Method: TO-15 **Laboratory ID:** 05

File Name: 2533305A.D **Date Sampled:** 12/08/25 **Time:** 11:18
Description: SG4-25' **Date Analyzed:** 12/23/25 **Time:** 7:26
Canister: 389 **Can Dilution Factor:** 1.00
QC_Batch: 122225-MA1 **Air Volume:** 300.00 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-71-8	Dichlorodifluoromethane	0.65	0.83	ND	3.22	4.13	ND	
74-87-3	Chloromethane	0.65	0.84	ND	1.34	1.74	ND	
76-14-2	Freon 114	0.17	0.84	ND	1.17	5.87	ND	
75-01-4	Vinyl chloride	0.17	0.84	ND	0.43	2.15	ND	
106-99-0	1,3-Butadiene	0.33	0.84	ND	0.74	1.86	ND	
74-83-9	Bromomethane	0.33	0.84	ND	1.30	3.26	ND	
75-00-3	Chloroethane	0.17	0.84	ND	0.44	2.21	ND	
64-17-5	Ethanol	0.83	2.50	41.23	1.57	4.72	77.85	
75-69-4	Trichlorofluoromethane	0.35	0.84	ND	1.97	4.73	ND	
67-64-1	Acetone	2.00	2.50	36.63	4.76	5.95	87.15	
67-63-0	2-propanol	0.83	2.50	2.40	2.05	6.15	5.90	J
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.28	ND	
76-13-1	Freon 113	0.17	0.80	ND	1.28	6.12	ND	
75-09-2	Dichloromethane	0.33	0.80	ND	1.16	2.79	ND	
75-15-0	Carbon disulfide	0.83	1.55	14.87	2.60	4.82	46.36	
156-60-5	trans-1,2-Dichloroethene	0.17	0.60	ND	0.66	2.39	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.61	ND	1.20	2.22	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.68	3.37	ND	
108-05-4	Vinyl acetate	0.17	0.73	ND	0.59	2.58	ND	
78-93-3	2-Butanone	0.67	1.70	18.82	1.97	5.01	55.57	
141-78-6	Ethyl acetate	0.33	0.73	ND	1.20	2.63	ND	
74-97-5	Bromochloromethane	0.17	0.44	ND	0.88	2.35	ND	
109-99-9	Tetrahydrofuran	0.33	0.84	2.11	0.98	2.48	6.22	
156-59-2	cis-1,2-Dichloroethene	0.33	0.90	ND	1.32	3.56	ND	
67-66-3	Chloroform	0.17	0.79	ND	0.82	3.88	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.74	ND	0.91	4.04	ND	
107-06-2	1,2-Dichloroethane	0.17	0.76	ND	0.68	3.08	ND	
110-82-7	Cyclohexane	0.17	0.64	ND	0.58	2.21	ND	
71-43-2	Benzene	0.67	1.00	4.31	2.13	3.20	13.78	
56-23-5	Carbon tetrachloride	0.15	0.79	ND	0.94	4.98	ND	
142-82-5	n-Heptane	0.83	2.02	ND	3.42	8.29	ND	
78-87-5	1,2-Dichloropropane	0.17	0.80	ND	0.77	3.71	ND	
123-91-1	1,4 Dioxane	0.67	1.36	ND	2.41	4.92	ND	
79-01-6	Trichloroethene	0.10	0.78	ND	0.54	4.18	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-27-4	Bromodichloromethane	0.17	0.34	ND	1.12	2.26	ND	
80-62-6	Methyl methacrylate	0.67	2.25	ND	2.73	9.24	ND	
108-10-1	4-Methyl-2-pentanone	0.67	2.52	1.40	2.74	10.35	5.73	J
10061-01-5	cis-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
108-88-3	Toluene	0.33	0.87	1.77	1.26	3.28	6.66	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.86	ND	0.91	4.68	ND	
591-78-6	2-Hexanone	0.83	2.36	1.43	3.42	9.70	5.86	J
124-48-1	Dibromochloromethane	0.17	0.33	ND	1.42	2.84	ND	
106-93-4	1,2-Dibromoethane	0.17	0.40	ND	1.28	3.11	ND	
127-18-4	Tetrachloroethene	0.10	0.41	0.15	0.68	2.75	1.01	J
108-90-7	Chlorobenzene	0.17	0.76	ND	0.77	3.50	ND	
100-41-4	Ethylbenzene	0.35	0.88	ND	1.53	3.83	ND	
1330-20-7	m,p-Xylenes	0.35	0.88	0.39	1.54	3.84	1.72	J
100-42-5	Styrene	0.35	0.86	0.48	1.47	3.68	2.06	J
75-25-2	Bromoform	0.33	0.22	ND	3.45	2.31	ND	
95-47-6	o-Xylene	0.34	0.86	ND	1.49	3.74	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.33	0.41	ND	2.29	2.84	ND	
622-96-8	4-Ethyltoluene	0.55	1.38	ND	2.72	6.80	ND	
108-67-8	1,3,5-Trimethylbenzene	0.34	0.86	ND	1.70	4.24	ND	
95-63-6	1,2,4-Trimethylbenzene	0.34	0.85	ND	1.67	4.17	ND	
541-73-1	1,3-Dichlorobenzene	0.33	0.62	ND	2.01	3.71	ND	
100-44-7	Benzyl chloride	0.33	2.02	ND	1.73	10.47	ND	
106-46-7	1,4-Dichlorobenzene	0.33	0.58	ND	2.01	3.47	ND	
95-50-1	1,2-Dichlorobenzene	0.67	0.83	ND	4.01	5.02	ND	
120-82-1	1,2,4-Trichlorobenzene	0.83	1.15	ND	6.19	8.52	ND	
91-20-3	Naphthalene	0.17	0.27	ND	0.89	1.40	ND	
87-68-3	Hexachlorobutadiene	0.17	0.21	ND	1.78	2.24	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	104	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified TPH

SDG: 225333
Analytical Method: TO-15 **Laboratory ID:** 05

File Name: 2533305A.D **Date Sampled:** 12/08/25 **Time:** 12:55
Description: SG4-25' **Date Analyzed:** 12/23/25 **Time:** 7:26
Canister: 389 **Can Dilution Factor:** 1.00
QC_Batch: 122225-MA1 **Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
68334-30-5	TPH Diesel	13.33	40.00	215.96	78.69	236.07	1,274.50	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225333
Analytical Method: TO-15
Laboratory ID: 05

File Name: 2533305A.D
Description: SG4-25'
Can/Tube#: 389
QC_Batch: 122225-MA1

Date Sampled: 12/08/25 **Time:** 11:18
Date Analyzed: 12/23/25 **Time:** 7:26
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-63-0	2-propanol (Isopropyl alcohol)	0.83	2.50	2.40	2.05	6.15	5.90	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	104	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225333

Analytical Method: TO-15

Laboratory ID: 06

File Name: 2533306A.D
Description: SG5-10'
Canister: 306
QC_Batch: 122225-MA1

Date Sampled: 12/08/25 **Time:** 11:52
Date Analyzed: 12/23/25 **Time:** 8:04
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-71-8	Dichlorodifluoromethane	0.65	0.83	ND	3.22	4.13	ND	
74-87-3	Chloromethane	0.65	0.84	ND	1.34	1.74	ND	
76-14-2	Freon 114	0.17	0.84	ND	1.17	5.87	ND	
75-01-4	Vinyl chloride	0.17	0.84	ND	0.43	2.15	ND	
106-99-0	1,3-Butadiene	0.33	0.84	ND	0.74	1.86	ND	
74-83-9	Bromomethane	0.33	0.84	ND	1.30	3.26	ND	
75-00-3	Chloroethane	0.17	0.84	ND	0.44	2.21	ND	
64-17-5	Ethanol	0.83	2.50	2.29	1.57	4.72	4.32	J
75-69-4	Trichlorofluoromethane	0.35	0.84	ND	1.97	4.73	ND	
67-64-1	Acetone	2.00	2.50	4.10	4.76	5.95	9.75	
67-63-0	2-propanol	0.83	2.50	ND	2.05	6.15	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.28	ND	
76-13-1	Freon 113	0.17	0.80	ND	1.28	6.12	ND	
75-09-2	Dichloromethane	0.33	0.80	ND	1.16	2.79	ND	
75-15-0	Carbon disulfide	0.83	1.55	1.14	2.60	4.82	3.56	J
156-60-5	trans-1,2-Dichloroethene	0.17	0.60	ND	0.66	2.39	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.61	ND	1.20	2.22	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.68	3.37	ND	
108-05-4	Vinyl acetate	0.17	0.73	ND	0.59	2.58	ND	
78-93-3	2-Butanone	0.67	1.70	1.20	1.97	5.01	3.54	J
141-78-6	Ethyl acetate	0.33	0.73	ND	1.20	2.63	ND	
74-97-5	Bromochloromethane	0.17	0.44	ND	0.88	2.35	ND	
109-99-9	Tetrahydrofuran	0.33	0.84	1.39	0.98	2.48	4.11	
156-59-2	cis-1,2-Dichloroethene	0.33	0.90	ND	1.32	3.56	ND	
67-66-3	Chloroform	0.17	0.79	0.91	0.82	3.88	4.47	
71-55-6	1,1,1-Trichloroethane	0.17	0.74	ND	0.91	4.04	ND	
107-06-2	1,2-Dichloroethane	0.17	0.76	ND	0.68	3.08	ND	
110-82-7	Cyclohexane	0.17	0.64	ND	0.58	2.21	ND	
71-43-2	Benzene	0.67	1.00	0.77	2.13	3.20	2.46	J
56-23-5	Carbon tetrachloride	0.15	0.79	ND	0.94	4.98	ND	
142-82-5	n-Heptane	0.83	2.02	ND	3.42	8.29	ND	
78-87-5	1,2-Dichloropropane	0.17	0.80	ND	0.77	3.71	ND	
123-91-1	1,4 Dioxane	0.67	1.36	ND	2.41	4.92	ND	
79-01-6	Trichloroethene	0.10	0.78	ND	0.54	4.18	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-27-4	Bromodichloromethane	0.17	0.34	ND	1.12	2.26	ND	
80-62-6	Methyl methacrylate	0.67	2.25	ND	2.73	9.24	ND	
108-10-1	4-Methyl-2-pentanone	0.67	2.52	ND	2.74	10.35	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
108-88-3	Toluene	0.33	0.87	ND	1.26	3.28	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.86	ND	0.91	4.68	ND	
591-78-6	2-Hexanone	0.83	2.36	ND	3.42	9.70	ND	
124-48-1	Dibromochloromethane	0.17	0.33	ND	1.42	2.84	ND	
106-93-4	1,2-Dibromoethane	0.17	0.40	ND	1.28	3.11	ND	
127-18-4	Tetrachloroethene	0.10	0.41	0.19	0.68	2.75	1.31	J
108-90-7	Chlorobenzene	0.17	0.76	ND	0.77	3.50	ND	
100-41-4	Ethylbenzene	0.35	0.88	ND	1.53	3.83	ND	
1330-20-7	m,p-Xylenes	0.35	0.88	ND	1.54	3.84	ND	
100-42-5	Styrene	0.35	0.86	ND	1.47	3.68	ND	
75-25-2	Bromoform	0.33	0.22	ND	3.45	2.31	ND	
95-47-6	o-Xylene	0.34	0.86	ND	1.49	3.74	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.33	0.41	ND	2.29	2.84	ND	
622-96-8	4-Ethyltoluene	0.55	1.38	ND	2.72	6.80	ND	
108-67-8	1,3,5-Trimethylbenzene	0.34	0.86	ND	1.70	4.24	ND	
95-63-6	1,2,4-Trimethylbenzene	0.34	0.85	ND	1.67	4.17	ND	
541-73-1	1,3-Dichlorobenzene	0.33	0.62	ND	2.01	3.71	ND	
100-44-7	Benzyl chloride	0.33	2.02	ND	1.73	10.47	ND	
106-46-7	1,4-Dichlorobenzene	0.33	0.58	ND	2.01	3.47	ND	
95-50-1	1,2-Dichlorobenzene	0.67	0.83	ND	4.01	5.02	ND	
120-82-1	1,2,4-Trichlorobenzene	0.83	1.15	ND	6.19	8.52	ND	
91-20-3	Naphthalene	0.17	0.27	ND	0.89	1.40	ND	
87-68-3	Hexachlorobutadiene	0.17	0.21	ND	1.78	2.24	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	105	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified TPH

SDG: 225333
Analytical Method: TO-15 **Laboratory ID:** 06

File Name: 2533306A.D **Date Sampled:** 12/08/25 **Time:** 11:52
Description: SG5-10' **Date Analyzed:** 12/23/25 **Time:** 8:04
Canister: 306 **Can Dilution Factor:** 1.00
QC_Batch: 122225-MA1 **Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
68334-30-5	TPH Diesel	13.33	40.00	88.80	78.69	236.07	524.05	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225333
Analytical Method: TO-15
Laboratory ID: 06

File Name: 2533306A.D
Description: SG5-10'
Can/Tube#: 306
QC_Batch: 122225-MA1

Date Sampled: 12/08/25 **Time:** 11:52
Date Analyzed: 12/23/25 **Time:** 8:04
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-63-0	2-propanol (Isopropyl alcohol)	0.83	2.50	ND	2.05	6.15	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	105	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225333

Analytical Method: TO-15 **Laboratory ID:** 07

File Name: 2533307A.D **Date Sampled:** 12/08/25 **Time:** 11:57
Description: SG5-25' **Date Analyzed:** 12/23/25 **Time:** 8:44
Canister: 348 **Can Dilution Factor:** 1.00
QC_Batch: 122225-MA1 **Air Volume:** 300.00 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-71-8	Dichlorodifluoromethane	0.65	0.83	ND	3.22	4.13	ND	
74-87-3	Chloromethane	0.65	0.84	ND	1.34	1.74	ND	
76-14-2	Freon 114	0.17	0.84	0.42	1.17	5.87	2.92	J
75-01-4	Vinyl chloride	0.17	0.84	ND	0.43	2.15	ND	
106-99-0	1,3-Butadiene	0.33	0.84	0.63	0.74	1.86	1.41	J
74-83-9	Bromomethane	0.33	0.84	ND	1.30	3.26	ND	
75-00-3	Chloroethane	0.17	0.84	ND	0.44	2.21	ND	
64-17-5	Ethanol	0.83	2.50	ND	1.57	4.72	ND	
75-69-4	Trichlorofluoromethane	0.35	0.84	ND	1.97	4.73	ND	
67-64-1	Acetone	2.00	2.50	6.31	4.76	5.95	15.02	
67-63-0	2-propanol	0.83	2.50	ND	2.05	6.15	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.28	ND	
76-13-1	Freon 113	0.17	0.80	ND	1.28	6.12	ND	
75-09-2	Dichloromethane	0.33	0.80	ND	1.16	2.79	ND	
75-15-0	Carbon disulfide	0.83	1.55	ND	2.60	4.82	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.60	ND	0.66	2.39	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.61	ND	1.20	2.22	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.68	3.37	ND	
108-05-4	Vinyl acetate	0.17	0.73	ND	0.59	2.58	ND	
78-93-3	2-Butanone	0.67	1.70	4.85	1.97	5.01	14.32	
141-78-6	Ethyl acetate	0.33	0.73	ND	1.20	2.63	ND	
74-97-5	Bromochloromethane	0.17	0.44	ND	0.88	2.35	ND	
109-99-9	Tetrahydrofuran	0.33	0.84	ND	0.98	2.48	ND	
156-59-2	cis-1,2-Dichloroethene	0.33	0.90	ND	1.32	3.56	ND	
67-66-3	Chloroform	0.17	0.79	0.53	0.82	3.88	2.58	J
71-55-6	1,1,1-Trichloroethane	0.17	0.74	ND	0.91	4.04	ND	
107-06-2	1,2-Dichloroethane	0.17	0.76	ND	0.68	3.08	ND	
110-82-7	Cyclohexane	0.17	0.64	1.51	0.58	2.21	5.22	
71-43-2	Benzene	0.67	1.00	1.38	2.13	3.20	4.41	
56-23-5	Carbon tetrachloride	0.15	0.79	ND	0.94	4.98	ND	
142-82-5	n-Heptane	0.83	2.02	ND	3.42	8.29	ND	
78-87-5	1,2-Dichloropropane	0.17	0.80	ND	0.77	3.71	ND	
123-91-1	1,4 Dioxane	0.67	1.36	ND	2.41	4.92	ND	
79-01-6	Trichloroethene	0.10	0.78	ND	0.54	4.18	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-27-4	Bromodichloromethane	0.17	0.34	ND	1.12	2.26	ND	
80-62-6	Methyl methacrylate	0.67	2.25	ND	2.73	9.24	ND	
108-10-1	4-Methyl-2-pentanone	0.67	2.52	ND	2.74	10.35	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
108-88-3	Toluene	0.33	0.87	ND	1.26	3.28	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.86	ND	0.91	4.68	ND	
591-78-6	2-Hexanone	0.83	2.36	ND	3.42	9.70	ND	
124-48-1	Dibromochloromethane	0.17	0.33	ND	1.42	2.84	ND	
106-93-4	1,2-Dibromoethane	0.17	0.40	ND	1.28	3.11	ND	
127-18-4	Tetrachloroethene	0.10	0.41	0.24	0.68	2.75	1.64	J
108-90-7	Chlorobenzene	0.17	0.76	ND	0.77	3.50	ND	
100-41-4	Ethylbenzene	0.35	0.88	ND	1.53	3.83	ND	
1330-20-7	m,p-Xylenes	0.35	0.88	ND	1.54	3.84	ND	
100-42-5	Styrene	0.35	0.86	ND	1.47	3.68	ND	
75-25-2	Bromoform	0.33	0.22	ND	3.45	2.31	ND	
95-47-6	o-Xylene	0.34	0.86	ND	1.49	3.74	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.33	0.41	ND	2.29	2.84	ND	
622-96-8	4-Ethyltoluene	0.55	1.38	ND	2.72	6.80	ND	
108-67-8	1,3,5-Trimethylbenzene	0.34	0.86	ND	1.70	4.24	ND	
95-63-6	1,2,4-Trimethylbenzene	0.34	0.85	ND	1.67	4.17	ND	
541-73-1	1,3-Dichlorobenzene	0.33	0.62	ND	2.01	3.71	ND	
100-44-7	Benzyl chloride	0.33	2.02	ND	1.73	10.47	ND	
106-46-7	1,4-Dichlorobenzene	0.33	0.58	ND	2.01	3.47	ND	
95-50-1	1,2-Dichlorobenzene	0.67	0.83	ND	4.01	5.02	ND	
120-82-1	1,2,4-Trichlorobenzene	0.83	1.15	ND	6.19	8.52	ND	
91-20-3	Naphthalene	0.17	0.27	ND	0.89	1.40	ND	
87-68-3	Hexachlorobutadiene	0.17	0.21	ND	1.78	2.24	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified TPH

SDG: 225333

Analytical Method: TO-15 **Laboratory ID:** 07

File Name: 2533307A.D **Date Sampled:** 12/08/25 **Time:** 11:57
Description: SG5-25' **Date Analyzed:** 12/23/25 **Time:** 8:44
Canister: 348 **Can Dilution Factor:** 1.00
QC_Batch: 122225-MA1 **Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
68334-30-5	TPH Diesel	13.33	40.00	19.17	78.69	236.07	113.15	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225333
Analytical Method: TO-15
Laboratory ID: 07

File Name: 2533307A.D
Description: SG5-25'
Can/Tube#: 348
QC_Batch: 122225-MA1

Date Sampled: 12/08/25 **Time:** 11:57
Date Analyzed: 12/23/25 **Time:** 8:44
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound		MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-63-0	2-propanol	(Isopropyl alcohol)	0.83	2.50	ND	2.05	6.15	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225333

Analytical Method: TO-15 **Laboratory ID:** 08

File Name: 2533308A.D **Date Sampled:** 12/08/25 **Time:** 09:36
Description: OA-1 **Date Analyzed:** 12/23/25 **Time:** 9:26
Canister: 358 **Can Dilution Factor:** 1.00
QC_Batch: 122225-MA1 **Air Volume:** 300.00 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-71-8	Dichlorodifluoromethane	0.65	0.83	ND	3.22	4.13	ND	
74-87-3	Chloromethane	0.65	0.84	ND	1.34	1.74	ND	
76-14-2	Freon 114	0.17	0.84	ND	1.17	5.87	ND	
75-01-4	Vinyl chloride	0.17	0.84	ND	0.43	2.15	ND	
106-99-0	1,3-Butadiene	0.33	0.84	ND	0.74	1.86	ND	
74-83-9	Bromomethane	0.33	0.84	ND	1.30	3.26	ND	
75-00-3	Chloroethane	0.17	0.84	ND	0.44	2.21	ND	
64-17-5	Ethanol	0.83	2.50	ND	1.57	4.72	ND	
75-69-4	Trichlorofluoromethane	0.35	0.84	ND	1.97	4.73	ND	
67-64-1	Acetone	2.00	2.50	3.59	4.76	5.95	8.55	
67-63-0	2-propanol	0.83	2.50	ND	2.05	6.15	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.28	ND	
76-13-1	Freon 113	0.17	0.80	ND	1.28	6.12	ND	
75-09-2	Dichloromethane	0.33	0.80	ND	1.16	2.79	ND	
75-15-0	Carbon disulfide	0.83	1.55	ND	2.60	4.82	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.60	ND	0.66	2.39	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.61	ND	1.20	2.22	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.68	3.37	ND	
108-05-4	Vinyl acetate	0.17	0.73	ND	0.59	2.58	ND	
78-93-3	2-Butanone	0.67	1.70	1.25	1.97	5.01	3.69	J
141-78-6	Ethyl acetate	0.33	0.73	ND	1.20	2.63	ND	
74-97-5	Bromochloromethane	0.17	0.44	ND	0.88	2.35	ND	
109-99-9	Tetrahydrofuran	0.33	0.84	ND	0.98	2.48	ND	
156-59-2	cis-1,2-Dichloroethene	0.33	0.90	ND	1.32	3.56	ND	
67-66-3	Chloroform	0.17	0.79	ND	0.82	3.88	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.74	ND	0.91	4.04	ND	
107-06-2	1,2-Dichloroethane	0.17	0.76	ND	0.68	3.08	ND	
110-82-7	Cyclohexane	0.17	0.64	ND	0.58	2.21	ND	
71-43-2	Benzene	0.67	1.00	1.18	2.13	3.20	3.77	
56-23-5	Carbon tetrachloride	0.15	0.79	ND	0.94	4.98	ND	
142-82-5	n-Heptane	0.83	2.02	ND	3.42	8.29	ND	
78-87-5	1,2-Dichloropropane	0.17	0.80	ND	0.77	3.71	ND	
123-91-1	1,4 Dioxane	0.67	1.36	ND	2.41	4.92	ND	
79-01-6	Trichloroethene	0.10	0.78	ND	0.54	4.18	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-27-4	Bromodichloromethane	0.17	0.34	ND	1.12	2.26	ND	
80-62-6	Methyl methacrylate	0.67	2.25	ND	2.73	9.24	ND	
108-10-1	4-Methyl-2-pentanone	0.67	2.52	ND	2.74	10.35	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
108-88-3	Toluene	0.33	0.87	0.42	1.26	3.28	1.60	J
10061-02-6	trans-1,3-Dichloropropene	0.17	0.86	ND	0.76	3.93	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.86	ND	0.91	4.68	ND	
591-78-6	2-Hexanone	0.83	2.36	ND	3.42	9.70	ND	
124-48-1	Dibromochloromethane	0.17	0.33	ND	1.42	2.84	ND	
106-93-4	1,2-Dibromoethane	0.17	0.40	ND	1.28	3.11	ND	
127-18-4	Tetrachloroethene	0.10	0.41	ND	0.68	2.75	ND	
108-90-7	Chlorobenzene	0.17	0.76	ND	0.77	3.50	ND	
100-41-4	Ethylbenzene	0.35	0.88	ND	1.53	3.83	ND	
1330-20-7	m,p-Xylenes	0.35	0.88	ND	1.54	3.84	ND	
100-42-5	Styrene	0.35	0.86	ND	1.47	3.68	ND	
75-25-2	Bromoform	0.33	0.22	ND	3.45	2.31	ND	
95-47-6	o-Xylene	0.34	0.86	ND	1.49	3.74	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.33	0.41	ND	2.29	2.84	ND	
622-96-8	4-Ethyltoluene	0.55	1.38	ND	2.72	6.80	ND	
108-67-8	1,3,5-Trimethylbenzene	0.34	0.86	ND	1.70	4.24	ND	
95-63-6	1,2,4-Trimethylbenzene	0.34	0.85	ND	1.67	4.17	ND	
541-73-1	1,3-Dichlorobenzene	0.33	0.62	ND	2.01	3.71	ND	
100-44-7	Benzyl chloride	0.33	2.02	ND	1.73	10.47	ND	
106-46-7	1,4-Dichlorobenzene	0.33	0.58	ND	2.01	3.47	ND	
95-50-1	1,2-Dichlorobenzene	0.67	0.83	ND	4.01	5.02	ND	
120-82-1	1,2,4-Trichlorobenzene	0.83	1.15	ND	6.19	8.52	ND	
91-20-3	Naphthalene	0.17	0.27	ND	0.89	1.40	ND	
87-68-3	Hexachlorobutadiene	0.17	0.21	ND	1.78	2.24	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	106	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified TPH

SDG: 225333
Analytical Method: TO-15 **Laboratory ID:** 08

File Name: 2533308A.D **Date Sampled:** 12/08/25 **Time:** 09:36
Description: OA-1 **Date Analyzed:** 12/23/25 **Time:** 9:26
Canister: 358 **Can Dilution Factor:** 1.00
QC_Batch: 122225-MA1 **Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
1330-20-7	TPH Gasoline	13.33	40.00	ND	67.76	203.28	ND	
68334-30-5	TPH Diesel	13.33	40.00	ND	78.69	236.07	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225333
Analytical Method: TO-15 **Laboratory ID:** 08

File Name: 2533308A.D **Date Sampled:** 12/08/25 **Time:** 09:36
Description: OA-1 **Date Analyzed:** 12/23/25 **Time:** 9:26
Can/Tube#: 358 **Can Dilution Factor:** 1.00
QC_Batch: 122225-MA1 **Air Volume:** 300 ml

CAS#	Compound		MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-63-0	2-propanol	(Isopropyl alcohol)	0.83	2.50	ND	2.05	6.15	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	106	70	130	

Appendix I Pre-Demolition Asbestos, Lead-Based Paint, Polychlorinated Biphenyls, and Visual Hazardous Materials Survey Report

Pre-Demolition Asbestos, Lead-Based Paint, Polychlorinated Biphenyls, and Visual Hazardous Materials Survey Report

New Fresno Courthouse

Fresno, California

July 2, 2026

Prepared for:

Judicial Council of California

Prepared by:

Stantec Consulting Services, Inc.
4572 Telephone Road, Suite 916
Ventura, California 93003

Project Number:

185806843

The conclusions in the Report titled Pre-Demolition Asbestos, Lead-Based Paint, Polychlorinated Biphenyls, and Visual Hazardous Materials Survey Report are Stantec's professional opinion, as of the time of the Report, and concerning the scope described in the Report. The opinions in the document are based on conditions and information existing at the time the scope of work was conducted and do not take into account any subsequent changes. The Report relates solely to the specific project for which Stantec was retained and the stated purpose for which the Report was prepared. The Report is not to be used or relied on for any variation or extension of the project, or for any other project or purpose, and any unauthorized use or reliance is at the recipient's own risk.

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Prepared by

Signature

Audrey Lundin, Certified Asbestos Consultant #09-4483, Lead Inspector/Assessor #LRC-00008522

Printed Name

Reviewed and Approved by

Signature

Scott Edblad, Certified Asbestos Consultant #15-5414, Lead Inspector/Assessor #LRC-00014821

Printed Name

Approved by

Signature

Crystahl Taylor, Principal Environmental Planner

Printed Name

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Abbreviations

ACCM	asbestos-containing construction material
ACM	asbestos-containing material
AHERA	Federal Asbestos Hazard Emergency Response Act
CCR	California Code of Regulations
CDPH	State of California, Department of Public Health
CFR	Code of Federal Regulations
City	Fresno
DOSH	State of California, Division of Occupational Safety and Health
DTSC	Department of Toxic Substance Control
EPA	United States Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
EMSL	EMSL Analytical, Inc.
HA	homogenous area
HUD	United States Housing and Urban Development
HVAC	heating, ventilation, and air conditioning
LBP	lead-based paint
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NRC	Nuclear Regulatory Commission
OSHA	Occupational Safety and Health Administration
PCB	polychlorinated biphenyls
PLM	polarized light microscopy
PLM/DS	polarized light microscopy with dispersion staining
ppm	parts per million
Project	Proposed New Fresno Courthouse
SF	square foot
Site	Project Site
TSI	thermal system insulations
VFT	Vinyl floor tile

1.0 Introduction

This Pre-Demolition Asbestos, Lead-Based Paint, Polychlorinated Biphenyls, and Visual Hazardous Materials Survey Report has been prepared to evaluate the presence of asbestos-containing materials (ACM), lead-based paint (LBP) in fair and/or poor condition, polychlorinated biphenyls (PCB) in building materials, and other hazardous materials that would require special handling and/or disposal in accordance with applicable federal, state, and local regulations, for the Proposed New Fresno Courthouse (Project). The property includes an approximately 80,000 square foot (SF), multi-story Fresno County Sheriff's Administration Building constructed in 1970 and an approximately 120,000 SF multi-story South Annex Jail constructed in 1942, with an annex added in 1960, located on the northeastern portion of the Property. Stantec understands that demolition of these multi-story buildings is proposed, as part of site preparation.

The Sheriff's Administration Building is currently occupied; therefore, assessment was limited to a desktop review only; no samples were collected for the Sheriff's Administration Building. Of note, access was provided to the Sheriff's Administration Building for the purpose of performing a visual universal waste assessment only. The South Annex Jail (Site) was vacant; therefore, both desktop survey of existing data as well as a field survey of the building were conducted.

The field survey was conducted on April 22-23, 2026, by the following Stantec personnel:

- **Mr. Scott Edblad**, Senior Scientist with Stantec, State of California, Division of Occupational Safety and Health (DOSH) Certified Asbestos Consultant (CAC; #15-5414) and State of California, Department of Public Health (CDPH) Lead-Related Construction Inspector/Assessor (LRCIA; #LRC-00014821), and
- **Ms. Bella Santos**, Environmental Scientist with Stantec, DOSH CAC (#26-8049) and State of California, Department of Public Health (CDPH) Lead-Related Construction Sampling Technician (#LRC-00011042).

All work was performed under the guidance of Mr. Scott Edblad, Senior Scientist with Stantec, DOSH CAC (#15-5414) and CDPH LRCIA (#LRC-00014821).

The purpose of this survey was to determine the asbestos content of suspect ACMs and suspect asbestos-containing construction materials (ACCM) in accordance with the National Emissions Standards for Hazardous Air Pollutants (NESHAP [40 Code of Federal Regulations (CFR), Part 61]). Additionally, the ACM survey satisfies certain requirements of DOSH, Construction Industry Standards (Title 8, California Code of Regulations [CCR], Section 1529) and documented identified ACMs. Stantec documented potential LBP observed to be in fair and/or poor condition, PCBs in building materials, and other hazardous materials that would require special handling and/or disposal in accordance with applicable federal, state, and local regulations.

The scope of the survey and the services provided by Stantec included:

- Performing a visual inspection of the survey areas to identify accessible suspect ACM;
- Collecting and analyzing bulk samples of select suspect materials for determination of asbestos content;
- Performing a visual inspection and collecting paint chip samples of painted surfaces observed to be in a fair or poor/deteriorated (i.e., flaking or peeling) condition for lead content following criteria outlined in applicable sections of Chapter 7 and Appendix 13.2 of the United States Housing and Urban Development (HUD) guidelines;
- Collecting bulk samples of building materials for PCB content as outlined in the United States Environmental Protection Agency's (EPA) October 24, 2012, PCB Bulk Product Waste Reinterpretation memorandum;
- Submitting samples to an accredited laboratory for analysis;
- Performing a visual inspection of the survey areas to identify any other hazardous materials (i.e., universal wastes);
- Ensuring the technical quality of all work by using appropriately certified personnel; and
- Consolidating data and findings into a report format.

Additionally, no sample collection was performed in the process of identifying universal wastes.

2.0 Project Description

The property includes an approximately 80,000 SF, multi-story Fresno County Sheriff's Administration Building constructed in 1970 and an approximately 120,000 SF multi-story South Annex Jail constructed in 1942, with an annex added in 1960, located on the northeastern portion of the Property.

As part of the proposed New Fresno Courthouse Project, demolition activities would include removal of the existing Sheriff Administration Building and South Annex Jail within the Project site. These activities would prepare the Project site for future construction and site development associated with the Project.

Demolition would include the systematic removal and off-haul of aboveground structures, foundations, utilities, and associated improvements. All demolition work would occur within the existing developed footprint of the Project site, and no new ground disturbance would extend beyond the Project site boundaries.

The Sheriff's Administration Building is currently occupied and operational; therefore, assessment activities for this structure are presently limited to a desktop review of available documentation and records. Due to occupancy constraints and limitations on intrusive access, Stantec was not able to perform a comprehensive field survey, destructive testing, or full hazardous materials inspection within the building at this time. As such, observations and conclusions related to the Sheriff's Administration Building are based primarily on previously prepared reports, available construction and renovation information, and limited visual observations obtained during the site visit.

Stantec did, however, conduct a field survey of the South Annex Jail, including accessible interior and exterior areas, to evaluate potential hazardous building materials and other environmental considerations associated with the proposed demolition activities. Observations and conclusions related to the South Jail Annex are based on previously prepared reports, available construction and renovation information, visual observations, and sample collection and analysis obtained during the site visit.

3.0 Desktop Analysis

3.1 Desktop Review Summary and Preliminary Demolition Evaluation Considerations

Stantec reviewed available historical hazardous building material reports, limited assessment documentation, and prior sampling data associated with the Fresno County Sheriff's Administration Building and the South Annex Jail. The reviewed documents are provided in Appendix A. The purpose of this desktop review is to summarize known regulated building materials, identify data gaps and assumptions associated with demolition planning, and provide preliminary considerations that may affect demolition sequencing, worker health and safety, waste characterization, regulatory compliance, and project scheduling.

Because portions of the facilities remain occupied and/or inaccessible, this desktop review should be considered a preliminary evaluation only. Additional intrusive inspection and comprehensive pre-demolition hazardous materials surveys are anticipated to be required prior to structural demolition activities. The age, historical use, and institutional nature of the buildings indicate a moderate to high likelihood that additional regulated materials may remain concealed within inaccessible building systems, wall cavities, mechanical spaces, utility infrastructure, roofing systems, and below-grade components.

3.2 General Building Age and Historical Construction Assumptions

Based on the architectural style, institutional use, and available historical documentation, the Sheriff's Administration Building and South Annex Jail are assumed to have been constructed during an era when ACM, LBP, and other regulated building materials were commonly incorporated into commercial and public institutional construction. Buildings constructed prior to the 1980s frequently incorporated ACM in fireproofing, thermal system insulation, roofing materials, mastics, flooring systems, joint compounds, and miscellaneous surfacing materials. Similarly, lead-containing coatings were commonly applied to structural steel, railings, doors, piping, and exterior painted surfaces.

Given the age and operational history of these facilities, additional regulated materials not identified in prior limited surveys may reasonably be anticipated during demolition planning, including but not limited to:

- Additional concealed friable and non-friable ACM within wall systems, mechanical rooms, pipe chases, crawlspaces, attics, ducting, and utility tunnels;
- Lead-containing paints and industrial coatings on structural steel, doors, frames, piping, mechanical equipment, and exterior architectural components;

- Universal wastes including fluorescent light tubes, ballasts, batteries, emergency lighting, and electronic equipment;
- PCBs in older electrical equipment, transformers, capacitors, fluorescent light ballasts, mastics, caulking, and glazing compounds;
- Mercury-containing equipment such as switches, thermostats, gauges, and fluorescent lamps;
- Refrigerants and oils associated with heating, ventilation, and air conditioning (HVAC) systems and mechanical equipment;
- Potentially impacted soil or subsurface materials associated with historical maintenance operations, fuel storage, emergency generators, hydraulic equipment, or vehicle-related activities;
- Silica-containing building materials that may generate airborne dust during demolition;
- Mold, biological contamination, or water-damaged materials in concealed or historically moisture-impacted areas;
- Regulated wastes associated with detention facility infrastructure, security systems, medical storage areas, communications systems, or evidence handling operations.

Institutional and correctional facilities often undergo multiple renovations, phased repairs, and undocumented maintenance activities over decades of operation. As a result, the presence of previously unidentified hazardous materials should be anticipated during demolition and renovation activities. Historical abatement records may also be incomplete, and previously abated materials may remain in inaccessible areas or beneath newer construction finishes.

3.3 Sheriff's Administration Building

The Sheriff's Administration Building is currently occupied, and, at the time of this report, assessment activities were limited to a desktop review of available historical reports and sampling data. Due to occupancy limitations and restricted access to concealed building systems, the findings summarized below should not be considered comprehensive for demolition purposes.

3.3.1 Bulk Sample Collection and Analysis for Asbestos

Bulk samples of homogeneous materials have previously been collected at the Sheriff's Administration Building and analyzed by polarized light microscopy (PLM). The following ACM were identified:

- Fireproofing, gray, upper ceiling in Records Office, 10 percent Chrysotile, friable ACM, *Leon Environmental Services (LES), Asbestos Bulk Samples, Sheriff Administration Building, 1st Floor, 2200 Fresno St., Fresno, CA, Job No. B166-24, August 9, 2024.*

- Fireproofing, 1st floor lobby IT closet ceiling beam and basement hallway attic beam, 5 to 6 percent Chrysotile, friable ACM, *LES, Asbestos Bulk Samples, Fresno County Sheriff's Admin Office, 2200 Fresno St., Fresno, CA, Job No. C85-19, June 24, 2019*.

- Fireproofing debris, basement hallway attic, 5 to 6% Chrysotile, friable ACM, *LES, Asbestos Bulk Samples, Fresno County Sheriff's Admin Office, 2200 Fresno St., Fresno, CA, Job No. C85-19, June 24, 2019*.

The identified ACM consists primarily of spray-applied fireproofing and associated debris located on structural members and concealed building areas. Spray-applied fireproofing is generally considered a high-risk friable ACM due to its potential to become airborne when disturbed during demolition activities. The identification of ACM debris within attic and concealed areas also suggests that previous disturbance, deterioration, or historical maintenance activities may have impacted material condition.

Of note, LES's 2016 Asbestos Air Samples letter report references unspecified asbestos abatement within the Fresno County Sheriff's Office building. Clearance air samples were collected in the Sheriff's Evidence Hallway in December 2016, analyzed by phase contrast microscopy, and results were reportedly below the 0.01 fibers per cubic centimeter (f/cc) clearance level. However, the available documentation does not clearly define the extent of the prior abatement activities, type and quantities of materials removed, or whether additional ACM remains.

Based on the age and construction type of the building, additional suspect ACM that may remain present includes, but may not be limited to:

- Thermal system insulation associated with piping, boilers, elbows, fittings, and mechanical equipment;

- Vinyl floor tile and associated mastics;

- Roofing materials, mastics, and flashing compounds;

- Drywall joint compound and wall texture;

- HVAC duct insulation and vibration dampening materials;

- Window glazing, caulking, and sealants;

- Electrical panel backing, transite components, or cementitious materials;

- Elevator components and associated equipment insulation.

Because demolition activities will likely disturb concealed building systems and inaccessible structural areas not previously surveyed, a comprehensive Pre-Demolition Asbestos survey consistent with San Joaquin Valley Air Pollution Control District Rule 4002 and NESHAP requirements are recommended prior to demolition.

3.3.2 Sample Collection and Analysis for Lead-Based Paint

X-Ray fluorescence sampling has previously been performed at the Sheriff's Administration Building. The following LBP was identified:

- Gray paint, exterior metal handrails and guardrails, 1-3.2 mg/cm^2, LBP, *LES, Limited LBP Inspection Report, Sheriff's Administration Building, Front Exterior Railings, Columns, and Flashings, 2200 Fresno Street, Fresno, CA, LES Job #L04-20, March 13, 2020*.

The identified LBP was associated with exterior painted metal components; however, given the limited scope of prior inspection activities and the age of the structure, additional lead-containing coatings are likely present throughout the facility. Lead-containing paints were historically common on structural steel, industrial coatings, mechanical equipment, piping, door frames, and exterior architectural components.

Disturbance of painted surfaces during demolition may generate lead-containing dust and debris requiring implementation of worker protection measures, waste profiling, and appropriate disposal procedures. Depending on waste characterization results, painted demolition debris may require handling as California hazardous waste or non-RCRA regulated waste subject to additional disposal requirements.

Additional assumptions and considerations associated with demolition of the Sheriff's Administration Building include:

- Potential presence of inaccessible ACM and LBP within secure or operational areas that could not be surveyed during occupancy;
- Possible undocumented renovations resulting in mixed building materials and concealed hazardous materials;
- Potential operational constraints associated with maintaining occupancy, security, utilities, and emergency access during phased demolition or abatement activities;
- Requirement for utility isolation and verification prior to intrusive demolition;
- Potential need for negative pressure containment, regulated areas, and phased abatement sequencing prior to structural demolition;
- Potential need for additional air monitoring during demolition due to identified friable ACM.

3.4 South Annex Jail

A pre-demolition regulated building materials survey was performed by Stantec in April 2026. Prior to field activities, Stantec reviewed available historical reports and sampling data associated with the South Annex Jail. The facility's operational history as a correctional and detention-related structure, combined with the apparent age of construction, suggests that additional regulated materials may remain in concealed or inaccessible areas.

3.4.1 Bulk Sample Collection and Analysis for Asbestos

Bulk samples of homogeneous areas have previously been collected at the South Annex Jail and analyzed by PLM. The following ACM were identified:

- Roof core, black, stairwell roof/walkway, 10% Chrysotile, non-friable ACM, *LES, Asbestos Bulk Samples, South Annex Jail, Roof, 2280 Fresno St., Fresno, CA, Job No. B56-24, March 15, 2024*.
- Roof mastic, black, stairwell roof/walkway, 5% Chrysotile, non-friable ACM, *LES, Asbestos Bulk Samples, South Annex Jail, Roof, 2280 Fresno St., Fresno, CA, Job No. B56-24, March 15, 2024*.
- Membrane/liner, black, on concrete under courtyard grass, 3% Chrysotile, non-friable ACM, *LES, Asbestos Bulk Sample Report, South Annex Jail, Courtyard Grass, 2280 Fresno St., Fresno, CA, LES Job No. B219-22, September 20, 2022*.

The identified ACM consists primarily of roofing and membrane materials containing Chrysotile asbestos. Although currently characterized as non-friable ACM, these materials may become friable during demolition, cutting, crushing, grinding, or mechanical disturbance. Roofing materials and mastics may also require segregation and special handling depending on disposal facility acceptance criteria.

The identification of an asbestos-containing membrane beneath courtyard grass suggests the potential presence of buried or concealed construction materials associated with historical site modifications, waterproofing systems, or below-grade infrastructure. Additional concealed ACM may remain beneath hardscape, landscaping features, buried utilities, or undocumented site improvements.

3.4.2 Sample Collection and Analysis for Lead-Based Paint

No prior reports pertaining to paint sample collection or analysis were provided for the South Annex Jail. Potential lead-containing coatings may include:

- Structural steel coatings;
- Detention doors, bars, frames, and railings;
- Mechanical and plumbing piping systems;
- Exterior painted surfaces and industrial coatings;
- Equipment coatings and specialty security infrastructure.

Stantec's April 2026, methods and findings of the South Annex Jail survey are discussed in the below sections of this report.

4.0 Survey Methods

The following survey methods were implemented for the South Annex Jail building.

4.1 Visual Inspection

4.1.1 Visual Inspection for Asbestos

Building materials were visually inspected for asbestos using the methods presented in applicable sections of the Federal Asbestos Hazard Emergency Response Act (AHERA) regulations (40 CFR, Part 763). The principles presented under AHERA are generally accepted as the industry standard for ACM inspections. Suspect ACMs were also physically assessed for friability, condition, and disturbance factors.

It is a widely accepted practice, and Stantec's recommendation, to collect additional bulk samples during actual abatement, renovation, or demolition activities when concealed suspect ACMs are discovered that are not consistent with those identified in this report. Alternatively, these suspect ACMs can be assumed to be an ACM and handled accordingly.

4.1.2 Visual Inspection for Lead-Based Paint

Stantec assessed the condition of painted surfaces of the Site and collected paint chip samples of painted surfaces observed to be in fair and/or poor condition as defined within Chapter 5 of HUD guidelines. The definitions of paint condition are dependent on the location of the paint and component involved. The following table defines HUD categories for paint condition under various circumstances.

Table 1. HUD Categories of Paint Film Quality

Type of Building Component	Total Area of Deteriorated Paint		
	Intact	**Fair**	**Poor**
Exterior components with large surface areas.	Entire surface is intact.	Less than or equal to 10 square feet.	More than 10 square feet.
Interior components with large surface areas (walls, ceilings, floors, doors).	Entire surface is intact.	Less than or equal to 2 square feet.	More than 2 square feet.
Interior and exterior components with small surface areas (windowsills, baseboards, soffits, trim).	Entire surface is intact.	Less than or equal to 10 percent of the total surface area of the component.	More than 10 percent of the total surface area of the component.

4.1.3 Visual Inspection for PCBS

Stantec performed a visual inspection of existing building material for the presence of PCB-containing building materials. Stantec makes no warranty as to the possible existence or absence of such materials or to their evaluation in respect to PCB content in concealed locations.

4.1.4 Visual Inspection for Other Hazardous Materials and Universal Wastes

Stantec performed a visual inspection of existing building equipment for the presence of other hazardous materials and universal wastes. Universal wastes are hazardous wastes that pose a lower immediate risk to the environment compared to other hazardous wastes. The visual inspection was limited to fixtures and equipment in the buildings at the Site that were easily accessible. Assessment of these hazardous materials was based solely on the identification placards on the equipment or general knowledge of historical use. If the presence and/or absence of a material was not clearly marked, then the piece of equipment was assumed to contain a concentration of the material in question. No sample collection was performed in the process of identifying universal wastes.

4.2 Sample Collection and Analysis

4.2.1 Bulk Sample Collection and Analysis for Asbestos

Bulk samples were collected of identified homogeneous areas which may be impacted by renovation/demolition activities. The EPA defines a homogeneous area as a surfacing material, thermal system insulation, or miscellaneous material that is uniform in color and texture. The use or application of the homogeneous area is also used to identify suspect ACMs. Examples of homogeneous materials include:

- Ceiling tiles of same color and size in contiguous areas; and
- Flooring of same color and size in contiguous areas.

Bulk samples were collected in general accordance with the AHERA sampling guidelines as outlined in 40 CFR Part 763. The location, condition, friability, and the potential for suspected ACMs to be impacted (i.e., disturbed) were assessed and documented. Bulk samples of readily accessible suspect ACMs were collected. Consistent with building demolition and renovation regulatory requirements, building material sampling was conducted regardless of the age and/or condition of the structure.

At least one sample was collected of each suspect ACM. The samples were collected by removing the materials using a hand tool to extract a representative piece. Plastic bags were used to contain the samples of suspect materials and sealed to prevent the introduction of contamination from outside sources. A unique sample number was assigned to each sample.

A total of 224 bulk samples were collected from 71 homogeneous areas at the Site during the survey. Occupied portions of the Site's basement and first floor were inaccessible at the time of the survey and not sampled.

The samples were analyzed by polarized light microscopy with dispersion staining (PLM/DS) in accordance with the EPA "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R93/116, July 1993). Analysis was performed by EMSL Analytical, Inc. (EMSL) located in Cinnaminson, New Jersey (NVLAP #101048-0). This laboratory is certified by the CDPH and are participants in the Environmental Laboratory Accreditation Program and the National Institute of Standards and Testing, National Voluntary Laboratory Accreditation Program. This laboratory is also accredited by the American Industrial Hygiene Association.

The EPA, under their asbestos NESHAP regulations, define and regulate ACMs, which are materials containing more than one percent (>1%) asbestos. Please note, in California, asbestos exposure in construction is regulated when construction, alteration, repair, maintenance, or renovation of structures, substrates, or portions thereof contain asbestos [§1529 (a)(1)(C)]. Additionally, materials containing greater than one-tenth of one percent (> 0.1%) are regulated as ACCMs. For the purpose of this report, materials with any detectable concentration of asbestos are considered positive.

A summary of the asbestos laboratory analytical results is included in Table 1 in Appendix B. The summary table includes the asbestos analytical results of all materials sampled as a part of this survey with details including location, quantity, and type of ACM and ACCM identified. Sample location figures are provided in Appendix C; a photographic log is provided in Appendix D; laboratory analytical results and bulk sample logs are provided in Appendix E; and personnel and laboratory accreditations are provided in Appendix F.

4.2.2 Bulk Sample Collection and Analysis for Lead-Based Paint

Stantec made observations to assess the condition of painted surfaces of the Site. Occupied portions of the Site's basement and first[t] floor were inaccessible at the time of the survey and not sampled. Paint chip samples were collected by removing painted materials using hand tools to extract representative pieces. Hard-sided containers were used to contain the sample of suspect materials. A unique sample number was assigned to each sample.

Eight samples of paint types observed to be in poor condition were collected at the time of the survey. The samples were analyzed using flame atomic absorption spectrometry following the EPA SW 846-7000B/7420 analytical protocol. The samples were submitted to EMSL in Cinnaminson, New Jersey. This laboratory is accredited by the American Industrial Hygiene Association (AIHA-LAP #100194) under the Environmental Lead Laboratory Accreditation Program (ELAP) as well as the CDPH ELAP for bulk paint chip analysis.

A summary of the paint chip sample laboratory analytical results is included in Table 2 in Appendix B; sample location figures are provided in Appendix C; a photographic log is provided in Appendix D; laboratory analytical results and bulk sample logs are provided in Appendix E; personnel and laboratory

accreditations are provided in Appendix F; and the CDPH Lead Hazard Evaluation Report is provided in Appendix G.

4.2.3 Bulk Sample Collection and Analysis for PCBS

Stantec conducted a visual observation for accessible suspect PCB-containing materials throughout the Site. No caulking was observed that may be suspect PCB-containing material, and therefore, no bulk samples were collected for PCB analysis.

4.2.4 Other Hazardous Materials

Stantec performed a visual inspection of the Site for the presence of other hazardous materials and universal wastes (pursuant to 40 CFR 273.9, 40 CFR 260.10, and 22 CCR §66261.9). The survey was limited to above grade only and did not include a soil or subsurface investigation. Materials evaluated as part of this inspection included: PCB-containing units such as lighting ballasts and PCB-containing electrical units (i.e., electrical transformers); lead-containing units such as car batteries or emergency exit sign batteries; fluorescent lighting tubes; mercury-containing units such as light switches and thermostats; refrigerants, halon, and other chlorofluorocarbons such as fire extinguishing systems and Freon™ used in association with building drinking fountains; heavy metals as may be found in cooling tower water treatment systems; solvents, paints, fuel (storage tanks), lubricants, and other associated maintenance and cleaning products; radioactive materials that may be contained in units such as smoke detectors, or medical equipment; office materials, supplies, and equipment such as computer monitors and printing supplies, and miscellaneous materials such as unlabeled materials or substances of concern. Stantec's visual inspection was limited to fixtures and equipment at the Site that were readily accessible. Assessment of these hazardous materials was based solely on the identification placards on the equipment or general knowledge of historical use. If the presence and/or absence of a material was not clearly marked, then the piece of equipment was assumed to contain a concentration of the material in question. No sample collection was performed in the process of identifying other hazardous materials or universal wastes.

5.0 Regulatory Context

5.1 Asbestos

Asbestos is a potential health hazard capable of causing respiratory system fibrosis and various forms of systemic cancers. Its condition, handling and disposal are regulated by federal, state, and local agencies. Materials that contain asbestos generally do not pose a health threat unless the asbestos fibers are disturbed by renovation, construction, or demolition, and may then become airborne and inhaled. If the Property buildings are not going to be demolished, then written notification to employees, tenants, contractors, or purchasers of the property with regards to the presence and location of ACMs and ACCMs is required pursuant to the California Health and Safety Code 25915.

5.1.1 US EPA National Emissions Standard for Hazardous Air Pollutants 40 CFR Part 61

Under the NESHAP regulation, no visible emissions are allowed during facility demolition or renovation activities, which involve regulated ACM. For this reason, all facilities must be surveyed for ACM prior to demolition or renovation. The EPA, and/or the local air quality management district which has delegated authority from the EPA NESHAP, must be notified prior to any building demolition, even if no ACM are present. Assessments are made by the inspector as to the condition of each material and whether or not the materials are "friable." The EPA NESHAP regulation defines “friable” materials as:

*Materials that, when dry, **can** be crumbled, pulverized or reduced to a powder using hand pressure.*

Conversely, a non-friable material **cannot**, when dry, be crumbled, pulverized, or reduced to a powder.

Generally, undamaged vinyl asbestos floor tiles/adhesives, carpet mastic, plaster, roofing materials, wallboard, concrete, electrical insulation, cove base adhesives, fire doors, and exterior facing materials and similar materials are considered to be "non-friable." These materials present a low risk of asbestos fiber release unless impacted by maintenance, construction, demolition, or another activity that disturbs the material.

Materials such as acoustical ceiling texture and many thermal system insulations (TSI), ceiling tile and similar materials are considered to be "friable" materials that may become damaged more readily through less intrusive contact. Many of these materials result in a much higher airborne concentration of asbestos than do non-friable materials. Therefore, extra care should be taken not to disturb this type of material.

The EPA defines a homogeneous area as a surface material, thermal system insulation, or miscellaneous material that is uniform in color and texture. The use or application of the homogeneous area is also used to identify suspect ACMs. The EPA and DOSH define ACM as any material that contains more than one percent (by weight) of asbestos (>1%). Only one sample from a homogeneous area with an asbestos concentration >1% is required to collectively identify that material as an ACM. The EPA additionally categorizes ACM as follows:

- Category I non-friable ACM - asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1% asbestos as determined using the PLM/DS method.
- Category II non-friable ACM - any material, excluding Category I non-friable ACM, containing more than 1% asbestos as determined using the PLM/DS method that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
- Regulated asbestos-containing material - (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart.

Potential asbestos exposure in construction is regulated when construction, alteration, repair, maintenance, renovation or demolition of structures, substrates, or portions thereof contain asbestos (CCR, Title 8, Section 1529 [Asbestos in Construction Standard (a)(1)(C)]). Additionally, in California, materials containing greater than one-tenth of one percent (>0.1%) asbestos by weight are regulated as ACCMs. For the purpose of this report, materials with any detectable concentration of asbestos are considered positive.

5.1.2 Asbestos Hazard Emergency Response Act, 40 CFR Part 763, Subpart E

The AHERA requires performance of asbestos surveys and the development of Asbestos Management Plans for all K-12 public and non-profit private schools in the United States and its territories. Although this regulation applies to such schools only, the procedures mandated under AHERA are considered the industry standard and are applied to all surveys performed by Stantec in accordance with Federal Occupational Safety and Health Administration (OSHA) mandates in 29 CFR 1926.1101, Subsections (k)(1), (2), and (5) and DOSH CCR, Title 8, Section 1529.

5.1.3 California Assembly Bill 3713, Health and Safety Code Div. 20, Ch. 10.4, Sec. 25915-25924

The state of California has enacted legislation that requires building owners, employers, lessees, etc. to notify tenants, employees, and contractors of the presence of asbestos in both friable and non-friable forms. In addition, preventive maintenance activities must be developed and communicated to these parties. Notification is required 15 days after the identification of ACM in the building, and annually thereafter.

5.1.4 California Division of Occupational Safety and Health

Pursuant to DOSH standard 1529, an ACM is any material containing greater than one percent (>1%) asbestos. However, for worker classifications, DOSH follows the California Health and Safety Code

definition of ACCMs which are defined as any materials with an asbestos content greater than one-tenth of one percent (>0.1%). The DOSH set forth licensing and work requirements for disturbance of ACMs and ACCMs. The requirements have been divided into four classes of work: Class I, Class II, Class III, and Class IV work. The classes are distinguished by the potential of materials to release fibers when damaged. The DOSH prescribes specific engineering controls and work practices for each Class of work:

- Class I – This Class refers to removal of ACMs identified as TSI or surfacing (sprayed-on or troweled-on) materials. These materials are generally considered friable.
- Class II – This Class refers to removal of ACMs identified that are not TSI or surfacing materials. These materials are generally considered non-friable.
- Class III – This Class refers to repair and maintenance operations of all identified ACMs.
- Class IV – This Class refers to incidental contact with identified ACMs such as custodial staff.

5.1.5 Hazardous Waste

The Department of Toxic Substance Control (DTSC), a department of California EPA, has the regulatory and enforcement authority for hazardous waste's deposited or transported in California. DTSC regulates "hazardous wastes" as generated wastes containing more than one percent (>1%) asbestos that have been determined to be "friable." DTSC uses the same methods for determining percentage of asbestos and friability, as does the EPA. However, local agencies and DOSH may regulate waste handling and packaging even if the material contains one percent or less or is determined to be non-friable.

5.2 Lead-Based Paint

Lead is a potential health hazard. Its condition, handling and disposal are regulated by federal, state, and local agencies. Lead in paint generally does not pose a health threat unless the material is disturbed or sufficiently deteriorated to produce dust, which may become airborne and inhaled or ingested. Contractors working in the facility should be informed of the type and the location of lead-containing materials. Applicable Federal and DOSH regulations may apply depending on the work being performed.

5.2.1 Accreditation, Certification, and Work Practices for Lead-Based Paint and Lead Hazards (Title 17 California Code of Regulations, Division 1, Chapter 8)

The State of California, Title 17, Division 1, Chapter 8 (Title 17) pertains to all public and residential buildings in California and is enforced by the CDPH. Pursuant to Title 17 and EPA regulations, LBP is defined as paint or other surface coatings containing an amount of lead equal to or greater than one milligram per square centimeter or half of one percent (≥0.5% or ≥5,000 parts per million [ppm]) by weight. Title 17 also defines a lead hazard as deteriorated LBP, disturbing LBP or presumed LBP without containment, or any other nuisances which may result in persistent or quantifiable lead exposure. Additionally, worker exposure to materials containing lead during construction work is regulated by the

OSHA (29 CFR 1926.62(a)) and the DOSH (8 CCR §1532.1(a)). These regulations require worker protection during construction "…*where lead or materials containing lead are present."*

5.2.2 California Division of Occupational Safety and Health

Pursuant to Section 1532.1 in Title 8 of CCR, construction employers are responsible for recognizing lead hazards and submitting samples of suspect materials to an EPA lead accredited laboratory for analysis.

When lead is present on construction jobs, the following is required:

- Housekeeping methods (including high efficiency particulate air "HEPA" vacuuming, wet clean-up, or other effective methods) must be implemented to remove lead dust on surfaces;
- Hand and face washing facilities with soap and water must be provided for workers;
- Workers must receive training on lead hazards and how to protect themselves; and
- Employee breathing-zone air sampling must be conducted to assess the amount of lead breathed by workers to determine protective measures and the type of respirator required for employee protection.

Special protective measures are required for highly hazardous tasks, commonly referred to as trigger tasks, until employee airborne exposures to lead are determined to be below levels specified in Section 1532.1. Pre-job notification is required for all jobs involving trigger tasks. Written notification must be made to the local DOSH district office at least 24 hours before the job starts. Trigger tasks are described below:

- Level 1–Any of the following with lead-containing coating or materials: spray painting, manual demolition, manual scraping, or sanding, use of a heat gun, or power tool cleaning with dust collection system. Minimum required protection is a half-face respirator with N-100, R-100, or P-100 filters.
- Level 2–Any of the following with lead-containing coating or materials: using lead-containing mortar, lead burning, rivet busting, power tool cleaning without dust collection system, clean-up activities using dry expendable abrasives, or abrasive blasting enclosure movement or removal. Minimum required protection is an air-supplied hood or helmet or loose-fitting hood or helmet powered air-purifying respirator with N-100, R-100, or P-100 filters.
- Level 3–Abrasive blasting, welding, cutting, or torch burning on structures where lead-containing coatings or materials are present. Minimum required protection is a half-mask supplied air respirator in a positive pressure mode.

All trigger tasks require respirators, protective equipment, and clothing; clothing change areas; initial blood testing for lead and zinc protoporphyrin; basic lead hazard, respirator, and safety training; and warning signs.

If air sampling shows exposures to workers are above the permissible exposure limit, the following additional controls are required:

- Respirators appropriate to the levels of exposures measured;
- Clean areas for eating and clothing change;
- Showers;
- Full worker training;
- Medical monitoring with routine blood testing for lead and zinc protoporphyrin; and
- Certification by the CDPH for workers and supervisors working on jobs at residential and publicly accessible buildings.

5.3 PCBs in Building Materials

PCBs belong to a broad family of man-made organic chemicals known as chlorinated hydrocarbons. PCBs were domestically manufactured from 1929 until their manufacture was banned in 1979. They have a range of toxicity and vary in consistency from thin, light-colored liquids to yellow or black waxy solids. Due to their non-flammability, chemical stability, high boiling point, and electrical insulating properties. PCBs were used in hundreds of industrial and commercial applications including electrical, heat transfer, and hydraulic equipment; as plasticizers in paints, plastics, and rubber products; in pigments, dyes, and carbonless copy paper; and many other industrial applications. Although no longer commercially produced in the United States, PCBs may be present in products and materials such as caulk, produced before the 1979 PCB ban. The PCBs used in these products were chemical mixtures made up of a variety of individual chlorinated biphenyl components, known as congeners. Most commercial PCB mixtures are known in the United States by their industrial trade names. The most common trade name is Aroclor.

Prior to the 1979 ban, PCBs entered the environment during their manufacture and use in the United States. Today, PCBs associated with building demolition or renovation projects can still be released into the environment from illegal or improper dumping of PCB wastes; disposal of PCB-containing consumer products into municipal or other landfills not designed to handle hazardous waste and through improper containment during removal.

The EPA defines waste derived from materials with PCB concentrations greater than or equal to 50 ppm, (also expressed as mg/kg) as *PCB bulk product waste (40 CFR 761.3)*.

5.4 Other Hazardous Materials

5.4.1 EPA Regulations (40 CFR 273.9 and 40 CFR 260.10)

The EPA regulations (40 CFR 273.9 and 40 CFR 260.10) provide standards for universal waste management and hazardous waste management systems. The EPA regulations specify requirements for managing the following hazardous materials: batteries, pesticides, mercury-containing equipment, lamps, household, and conditionally exempt small quantity generator waste. In addition to the EPA universal waste regulations, the following federal regulations may also include, but not be limited to the following:

- Applicable Federal OSHA regulations;
- Title 40, CFR, Part 261 - Identification and Listing of Hazardous Waste;
- Title 40, CFR, Part 262 - Standards Applicable to Generators of Hazardous Waste;
- Title 40, CFR, Part 264 - Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities;
- Title 40, CFR, Part 265 - Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities;
- Title 49, CFR, Parts 100-199 - Transportation of Hazardous Materials;
- Title 40, CFR, Part 268 - Land Disposal Restrictions;
- Title 40, CFR, Part 761 - PCBs Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions; and
- NESHAP.

5.4.2 Department of Toxic Substance Control "Universal Waste Rule" (DTSC Control Number R-97-08)

The DTSC, "Universal Waste Rule" (DTSC Control Number R-97-08) provides requirements and standards for universal waste management for small quantity and large quantity handlers and universal waste transporters. Additionally, the "Universal Waste Rule" provides standards for destination facilities.

6.0 Findings

6.1 Asbestos

Based on the findings of this survey, the following ACMs were identified within accessible areas of the Site (South Annex Jail):

- Tar paper, black, roof, 30-45% Chrysotile (homogeneous area [HA] #01)
- Petromat, black, roof, 35-45% Chrysotile (layer associated with HA #01)
- Sealant, light gray, roof, 60-65% Chrysotile (HA #03)
- Sealant, white/yellow, roof, 5% Chrysotile (HA #05)
- Sealant, gray, roof, 10-15% Chrysotile (HA #11)
- Adhesive, brown, ceilings throughout, 2-3% Chrysotile (layer associated with HA #13)
- Ceiling tile, white, 12” x 12” with dots, 3rd Floor, 2-5% Amosite (HA #28)
- Fireproofing, white, ceilings and I-beams throughout, 25-30% Chrysotile (HA #37)
- Vinyl floor tile (VFT), gray/green, 9” x 9“, concealed under 12” x 12” VFT, 1st Floor lobby, offices, closets, 4-5 precent Chrysotile (HA #48)
- Adhesive, black, associated with HA #48, 3-5 percent Chrysotile (HA #49)

A summary of the asbestos laboratory analytical results is included in Table 1 in Appendix B. The summary table includes the asbestos analytical results of all materials sampled as a part of this survey with details including location, quantity, and type of ACM and ACCM identified. Sample location figures are provided in Appendix C; a photographic log is provided in Appendix D; laboratory analytical results and bulk sample logs are provided in Appendix E; and personnel and laboratory accreditations are provided in Appendix F.

6.2 Lead-Based Paint

Based on the findings of this survey, the following LBP was identified at the Site:

- Red paint associated with the basement elevator reservoir room floor (P06)

In addition, the following paint sampled had detectable concentrations of lead above the laboratory reporting limit that would require compliance with worker protection regulations.

- Multi-layer white, red paint associated with the 4th floor corridor, control door panel (P02)

Table 2 in Appendix B presents a summary of the lead analytical results from paint sampled from the Site including location and type of material sampled. Sample location figures are provided in Appendix C; laboratory analytical results and bulk sample logs are provided in Appendix D; and a CDPH Lead Hazard Evaluation Report form will be submitted to the CDPH, as required, and a copy of this form is included in Appendix G.

6.3 PCBs in Building Materials

Based on visual observations, no PCB samples were collected and analyzed.

6.4 Other Hazardous Materials

6.4.1 PCBs in Dielectric Fluid or Fluorescent Lighting Ballasts

Although no longer commercially produced in the United States, PCBs may be present in products and materials produced before the 1979 PCB ban. Historically some electrical components used PCBs within the dielectric fluid (transformers, ballasts, capacitors, etc.). As such, if these components are present and are not labeled “No PCBs”, they must be disposed of in accordance with current environmental regulations. Approximately 500 fluorescent light ballasts, marked as non-PCB, were observed throughout the Sheriff’s Administration Building; approximately 261 fluorescent light ballasts, marked as non-PCB, were observed throughout the South Annex Jail. In addition, two elevators, equipped with two 10-gallon tanks and one five-gallon used oil reservoir, are present within the Sheriff’s Administration Building. Two elevators, equipped with two 60-gallon storage tanks, are present within the South Annex Jail.

6.4.2 Mercury

Many of the interior light fixtures are equipped with fluorescent light tubes. According to the EPA, fluorescent light bulbs contain varying amounts of mercury and can be hazardous to the environment if they are disposed of improperly. Therefore, the EPA encourages the recycling of mercury-containing light bulbs, regardless of the mercury content. A total of approximately 1,036 light tubes within fixtures of varying size, shape, and wattage, and/or stored onsite, were observed throughout the accessible areas of the Sheriff’s Administration Building and may contain mercury. In addition, a total of 528 light tubes were observed throughout the accessible areas of the South Annex Jail.

Older style, “silent” light switches and analog thermostat boxes are also known to have varying amounts of mercury contained in ampules that function as an electronic switch. Approximately 12 thermostats were observed throughout the accessible areas of the Sheriff’s Administration Building, and two thermostats were observed in the South Annex Jail.

6.4.3 Ozone-Depleting Substances

The EPA requires the recovery and recycling of refrigerants under the Clean Air Act (40 CFR Part 82, Subpart F). Approximately 10 refrigerators/coolers, three drinking fountains, and 14 fire extinguishers were observed within the Sheriff’s Administration Building and are assumed to contain ozone-depleting

refrigerant (i.e., Freon™). In addition, the South Annex Jail was observed to contain two refrigerators, three drinking fountains, 36 fire extinguishers, and one cylinder of refrigerant-12 (penthouse).

6.4.4 Batteries

Batteries are required to be recycled and/or disposed of in accordance with applicable hazardous waste regulations. Approximately 12 illuminated exit signs were observed within the Sheriff's Administration Building and may contain batteries. Approximately 12 illuminated exit signs were also observed within the South Annex Jail and may contain batteries.

6.4.5 Radioactive Materials

The California Health and Safety Code's Radiation Law (Sections 11495-115225) and the federal Nuclear Regulatory Commission (NRC) regulations (10 CFR Part 31.5) provide for the protection of the health and safety of workers and the public from ionizing radiation. Smoke detectors typically utilize a small radioactive source as a key component in detecting smoke particles. EPA regulations require smoke detectors to be disposed of at a nuclear waste facility or returned directly to the manufacturer. Approximately 30 smoke detectors were observed within the Sheriff's Administration Building and approximately 40 smoke detectors were observed within the South Annex Jail.

Certain emergency exits signs found in commercial buildings that glow in the dark can contain tritium, a radioactive material. While the normal use of this signage poses no threat, disposal of the signs needs to adhere to applicable NRC requirements. These types of exit signs were not observed during the inspection.

6.4.6 Miscellaneous

Additional miscellaneous items were observed during the inspection. Observed recyclable electronics included approximately 50 computers and 120 computer monitors within the Sheriff's Administration Building as well as approximately 10 computers, 10 computer monitors, and 40 televisions within the South Annex Jail.

Miscellaneous items observed within the South Annex Jail also included: water treatment chemicals (three 20-gallon containers of potassium hydroxide and 24 five-gallon containers) in the penthouse, laundry stain remover (two 55-gallon containers of hypochlorite) in the basement laundry area, compressed gas cylinders (one oxygen and one argon) in the basement, two sharps containers, and bloodborne pathogen waste (three five-gallon containers) on the second floor.

7.0 Recommendations

7.1 Asbestos-Containing Materials

Based on the findings of this survey, ACMs were identified in several of the samples analyzed. Table 1 within Appendix B presents a summary of the asbestos analytical results of materials sampled as a part of this survey. The DOSH requires employers to implement specific work practices, which protect workers from airborne asbestos exposure, when materials are found to contain detectable concentrations of asbestos. Building materials, which contain even low levels of asbestos (trace amounts), can potentially generate concentrations of airborne asbestos fibers when disturbed. Therefore, control measures should be instituted by those disturbing ACMs which adequately address worker health and safety during planned renovation or demolition activities involving these materials.

It is recommended that ACMs be removed by a licensed abatement contractor prior to renovation, refurbishing, or demolition activities in accordance with CCR, Title 8, Section 1529 (Asbestos in Construction Standard). Submission of this report will be required for compliance with NESHAP. If the entire area of ACMs is not affected by renovation, refurbishing, or demolition activities, spot abatement of the material could be completed. This would entail only abating the affected areas. If the identified ACM is going to be managed in-place, then written notification to employees, tenants, contractors, or purchasers of the Site of the presence and location of ACMs is required pursuant to the California Health and Safety Code 25915 (formerly known as The Connelly Bill).

7.2 Lead-Based Paint

Based on the findings of this survey, LBP and lead-containing paint were identified which would require compliance with the Federal OSHA 29 CFR 1926.62 and the DOSH Section 1532.1 (Lead in Construction Standards). It is recommended that the LBP be stabilized prior to renovation, refurbishing, or demolition activities. The paint stabilization work should be performed by a State of California Licensed Contractor who maintains CDPH trained and certified lead workers.

In general, bulk demolition waste does not exhibit sufficient lead concentration to be classified as a hazardous waste based on the bulk weight of the waste in comparison to the weight of lead in the painted surface. However, if the paint is stripped, the paint and stripping media may be classified as hazardous waste and regulations controlling the generation, storage, treatment, transportation, and disposal of lead-containing hazardous waste need to be implemented and observed. Additional health and safety requirements and protocols may also be required to prevent exposure and spreading of the waste material.

7.3 PCBs in Building Materials

No additional assessment of caulking appears warranted at this time.

7.4 Other Hazardous Materials

There are a variety of items at the Site that may contain PCBs, mercury, or are identified to be a universal waste. It is recommended that these materials be handled and disposed of in accordance with applicable EPA regulations (40 CFR 273.9 and 40 CFR 260.10) and DTSC's "Universal Waste Rule" (DTSC Control Number R-97-08). Additionally, EPA regulations require Freon™ related work be performed by EPA certified personnel.

8.0 Limitations

Reasonable efforts have been made by Stantec personnel to locate, sample, and/or identify suspect ACM, LBP, PCBs, and other hazardous materials associated with the South Annex Jail (Site). For any facility, the existence of unique or concealed materials and debris is a possibility. In addition, sampling and laboratory analysis constraints typically hinder the investigation. Stantec does not warrant, guarantee, or profess to have the ability to locate or identify all hazardous materials in a facility. The survey is limited in nature, as only full demolition of the Site building will reveal all concealed conditions. This survey did not include underground utilities. Historically, some underground utility piping has been known to contain asbestos (e.g., Transite pipe), as well as insulation and wire wrap that might be concealed in walls. If renovation/demolition at the Site includes removal of onsite portions of underground utilities (storm drains, sewer, domestic water laterals, etc.), evaluation of the asbestos content of these components must be performed prior to the removal process. Suspect materials identified in these locations are assumed positive for asbestos until sampling and analysis indicates otherwise. Stantec cannot warrant the effectiveness or damage thereof, at any of the patches or temporary repairs performed at sampling locations (walls, ceilings, or floors). This report is intended for use in planning based on the agreed upon scope of work. This report is not intended to be a bidding document. Quantities of materials identified are estimates only and would need to be verified by contractors bidding on future work. If, during the course of a renovation/demolition project, suspect ACM, LBPs, PCBs, or any other suspect hazardous materials are discovered that are not included within this report, those materials should be treated accordingly until additional sampling, analysis, and/or assessment can be performed.

The passage of time may result in a change in the environmental characteristics at the Site. This report does not warrant against future operations or conditions that could affect the recommendations made. The results, findings, conclusions, and recommendations expressed in this report are based only on conditions that were observed during Stantec’s survey of the Site (South Annex Jail) and test results provided by EMSL Analytical, Inc. These observations are time dependent, are subject to changing site conditions, and revisions to federal, state, and local regulations. Reliance on this letter report by third parties (i.e., other than the Judicial Council of California) shall be at the third party's sole risk.

APPENDIX A

Prior Reports

Leon Environmental Services

Richard "Danny" Leon CAC # 04-3708
Tommy Leon CAC # 05-3882

December 12, 2016

Keith McBride
County of Fresno
4590 E. Kings Canyon Rd.
Fresno, CA 93702

Re: Asbestos Air Samples
Fresno County Sheriff's Office
Sheriff's Evidence Hallway
2200 Fresno St.
Fresno, CA
Job No. A99-16

Dear Keith:

Attached are the analysis results from the air samples that were collected from the above mentioned site. The results were below the 0.01 f/cc clearance level standard set by CAL-OSHA and the EPA for reoccupation (by unprotected personnel) of an area that has undergone asbestos-abatement.

If you have any questions or need additional information, please do not hesitate to call. Thank you for using Leon Environmental Services. We look forward to working with you in the future.

Respectfully,

Thomas M. Leon

Digitally signed by Thomas M. Leon
DN: cn=Thomas M. Leon, o=Leon Environmental Services, ou, email=LeonEnviro@comcast.net, c=US
Date: 2016.12.13 13:23:54 -08'00'

Tommy Leon
Certified Asbestos Consultant
Certification No. 05-3882

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

Leon Environmental Services

1-9-699

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722 Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

Customer: Keith McBride Company County of Fresno

Date: 12-9-16 Job No. A99-16

Analysis: (PCM) TEM Turn Around: (2hr Rush) Same Day 24hr 48hr 3-5 days

BASELINE WORK IN PROGRESS (FINAL)

Job Site / Sample Area: Fresno County Sheriff's Office / 2200 Fresno St, Fresno, CA

Sample No	Pump Location	Time on	Time off	Flow	Minutes	Volume
01	Sheriff's Evidence Hallway	12:08	1:28	15.72	80	1257.6
02	" " "	" "	" "	" "	" "	" "

Special Instruction

Relinquished By [signature] Date 12-9-16

Received By [signature] Date 12/12/16

WESTERN ANALYTICAL LABORATORY TEST REPORT
NIOSH 7400 ANALYSIS

REPORT: 119-699

DATE RECEIVED: December 9, 2016

DATE REQUIRED: December 9, 2016

CLIENT: Leon Environmental Services
5637 N. Fig Garden Dr., Suite 104
Fresno, CA 93722

ATTN: Danny Leon

REF: A99-16
Keith McBride - County of Fresno
Fresno County Sheriff's Office
2200 Fresno St. Fresno, CA

SUBJECT: Phase Contrast Microscopy Analysis of Air Samples for Fiber Content

METHODOLOGY: NIOSH Fiber Count (Method 7400 Revision 3, A Rules)

FILTER TYPE: MCE FILTER DIAMETER: 25 mm MAGNIFICATION: 400X

FILTER AREA: 385 mm^2 FIELD AREA: 0.00785 mm^2

Sample ID	Location / Activity	Sample Date	Fields Counted	Fibers Counted	F/mm^2	Fibers per Filter	Volume Liters	Fibers cc of Air
1	Sheriff's Evidence Hallway Final Clearance	12/9/16	100	3.5	4.46	1717	1257.6	**0.0014**
2	Sheriff's Evidence Hallway Final Clearance	12/9/16	100	2.5	3.18	1226	1257.6	**0.0010**

Optical Microscopist

Mike Maladzhikyan, Laboratory Director

This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Western Analytical. The client is solely responsible for the use and interpretation of test resutls and reports requested from Western Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Western Analytical reserves the right to dispose of all samples after a perior of thirty (30) days according to all state and federal guidelines, unless otherwise specified. Samples are not blank corrected unless otherwise noted. All samples received in acceptable condition unless otherwise noted.

Leon Environmental Services

Richard "Danny" Leon CAC # 04-3708
Tommy Leon CAC # 05-3882

August 16, 2019

Keith McBride
Fresno County, Facility Services Dept.
4590 E. Kings Canyon Rd.
Fresno, CA 93702
Email: kmcbride@co.fresno.ca.us

Re: Asbestos Bulk Samples
Fresno County Sheriff's Admin Office
Basement Hallway Flooring
2200 Fresno St, Fresno, CA
LES Job No. B164-19

Dear Keith,

Attached is the analytical report for the bulk samples of floor tile and adhesive taken from the basement hallway of the Sheriff's Office Operation Center at the above-referenced site. The green 12x12 floor tile and associated adhesive were negative for asbestos and no further action or testing is required prior to renovation or demolition of this floor. If you have any questions or need additional information, please do not hesitate to call.

Thank you for using Leon Environmental Services. We look forward to working with you in the future.

Yours truly,

Richard Danny Leon

Digitally signed by Richard Danny Leon
DN: cn=Richard Danny Leon, o=Leon Environmental Services, ou, email=leonenviro@comcast.net, c=US
Date: 2019.08.16 16:24:20 -07'00'

Richard "Danny" Leon
Certified Asbestos Consultant
Certification No. 04-3708

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: leonenviro@comcast.net

Leon Environmental Services

140-065

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722 Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

Customer: Keith Mc Bride Company Fresno County, Facilities Services Dept.

Date: 8/15/19 Job No. B164-19

Analysis PLM Turn Around: 2hr Rush Same Day 24hr 48hr 3-5 days

Inspection Site : Fresno Co S. O. Admin office 2200 Fresno ST Fresno, CA

Sample No	Location	Material			Quantity
		Color	Type	Friable	
01	Basement Hallway outside S.O. OP Center		Greenish 12x12 FT		
02			Adhesive for 01		

Relinquished By [signature] Date 8/15/19

Received By [signature] Date 8/16/19

WESTERN ANALYTICAL LABORATORY, Inc.
TEST REPORT

NVLAP TESTING
NVLAP LAB CODE 200037

REPORT NO:	140-065	CLIENT:	Leon Environmental Services 4545 N. Brawley Ave., Suite 104 Fresno CA 93722
DATE COLLECTED:	August 15, 2019		
DATE RECEIVED:	August 16, 2019	ATTENTION:	Danny Leon (CAC# 04-3708)
DATE REQUIRED:	August 16, 2019	REFERENCE:	B164-19 Keith McBridge - Fresno Co. Facilities Services Dept. Fresno Co. S.O. Admin. Office 2200 Fresno Street, Fresno, CA

SUBJECT: Polarized Light Microscopy Analysis for Asbestos; 2 samples

METHODOLOGY: "Method for the Determination of Asbestos in Bulk Building Materials" (EPA 600/R-93/116)

ACCREDITED: National Institute of Standards and Technology (NVLAP) # 200037

SAMPLE ID NUMBER	SAMPLE LOCATION AND DESCRIPTION	NON-FIBROUS MATERIALS	OTHER FIBROUS MATERIALS	ASBESTIFORM MINERALS
01	Basement Hallway outside S.O. Op Center Greenish 12x12 Floor tile	Granular Minerals Resin	None Detected	None Detected
02	Basement Hallway outside S.O. Op Center Adhesive for 01	Granular Minerals Organics	None Detected	None Detected

t: Trace (>1% = greater than 1%, <1% = less than 1%)

Optical Microscopist

Mike Maladzhikyan, Laboratory Director

This report only applies to the sample(s) tested. This report must not be reproduced except in full, unless approved by Western Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Western Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Leon Environmental Services

Richard "Danny" Leon CAC # 04-3708
Tommy Leon CAC # 05-3882

March 13, 2020

Keith McBride
Fresno County, Facility Services Dept.
4590 E. Kings Canyon Road
Fresno, CA 93702
Email: kmcbride@co.fresno.ca.us

Re: Limited LBP Inspection Report
Sheriff's Administration Building
Front Exterior Railings, Columns, and Flashings
2200 Fresno Street, Fresno, CA
LES Job #L04-20

Dear Keith,

Attached is the Asbestos and Lead Based Paint Report for the above-referenced site. The report includes XRF analysis results and recommendations concerning lead containing materials identified at this site.

If you have any questions or need additional information, please do not hesitate to call. Thank you for using Leon Environmental Services. We look forward to working with you in the future.

Respectfully yours,

Richard Danny Leon

Digitally signed by Richard Danny Leon
DN: cn=Richard Danny Leon, o=Leon Environmental Services, ou, email=leonenviro@comcast.net, c=US
Date: 2020.03.14 13:26:09 -07'00'

Richard "Danny" Leon
State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant
Certification No. 04-3708
California Dept. of Public Health
Lead-Related Construction
Inspector/Assessor ID# 5156

Leon Environmental Services

LEAD BASED PAINT ANALYSIS

On March 12th, 2020, a limited lead-based paint inspection was performed at the exterior of the Fresno County Sheriff's Administration Building, 2200 Fresno Street, Fresno, CA by Leon Environmental Services. Twenty-six samples of suspect lead-based paint from the exterior hand/guard rails, columns, and roof flashings on the front of the building were tested using a **Heuresis Corp X-Ray Fluorescence (XRF) Elemental Analyzer, Model Pb200i, Serial Number 2077.** The sample collection areas were determined by the information given to Leon Environmental Services by Keith McBride of the Fresno County Facility Services Department. The attached XRF report contains the list of all sample analyses performed at this site.

LBP COMMENTS AND RECOMMENDATIONS

Six samples of grey paint on the hand rails and guard rails beside the main stairs and ramps at the front of the building contain more than 1.0 mg/cm^2 of lead and are therefore considered lead based paint. All other analyses from the painted columns and flashings on the front side of building are below the level of 1.0 mg/cm^2 and are therefore NOT LBP. Leon Environmental Services recommends that only a qualified contractor with properly LBP trained and equipped personnel be used to work on or near these LBP painted surfaces. All loose and flaky LBP should be removed prior to demolition or renovation, collected and handled as one waste stream. Procedures and engineering controls must be designed to follow CAL-OSHA (CFR 1926.62) and Department of Health Services (Title 17 April 2008) requirements.

LBP CONCLUSIONS AND REGULATIONS

The federal and CAL OSHA regulations for lead in construction do not specify a level of lead in paint that classifies it as LBP, although the Department of Housing and Urban Development (HUD) considers a paint to be a lead-based paint when the content of the paint exceeds 1.0 mg/cm^2 or 0.5 percent lead by weight and the Consumer Product Safety Commission (CPSC) has determined that for a paint to be considered as "lead free", it must contain less than 0.06% or 600 parts per million (PPM). However, federal and state OSHA regulations specify *airborne lead levels* that should not be exceeded during construction without appropriate protection and training.

In California, CAL OSHA is charged with implementing and enforcing Lead in Construction rules. Title 8 of the California Code of Regulations (CCR) section 1532.1 requires employers to provide sufficient worker protection when any detectable concentration of lead is present. This standard applies to all sources of lead, including lead in painted surfaces. Lead-Containing paint, defined as any detectable concentration of lead, does not necessarily require special handling, mitigation or disposal. Factors that determine the appropriate mitigation strategy

4545 N. Brawley Ave, Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: leonenviro@comcast.net

include the concentration of lead, the condition of the lead-containing material, and the proposed contractor work methods. Employers are required to provide sufficient worker protection when any detectable concentration of lead is present.

California Occupational Safety and Health (OSHA 29 CFR 1926.62) regulations require employee personnel monitoring at any detectable levels until statistically reliable results indicate that exposure will remain consistently below the OSHA Action Level of 30 micrograms/m2 and the Permissible Exposure Level of 50 micrograms/m3 for an 8 hour day. The employer must then produce a "Negative Exposure Assessment" to indicate that it is not possible with the specific lead-based paint product to create excessive lead exposure levels. Cal-OSHA Title 8, CCR Section 1532.1 requires a wide variety of responses including, personal protective equipment (PPE), respiratory protection, blood testing for lead and hand washing facilities if the action level of 30 ug/m^3 or the permissible exposure level of 50 ug/m^3 are exceeded

LIMITATIONS OF LIABILITY

The nature of construction renovations and demolition is such that painted surfaces can be uncovered which previously were unknown to exist. Therefore, Leon Environmental Services cannot be responsible for detection of all painted surfaces, although every effort was made during the inspection to do so. If suspect LBP other than those included herein are discovered during renovation or demolition, it must be assumed that the materials are LBP, and should be treated accordingly until further testing and analysis is performed.

The data interpretations and recommendations are based solely on information available to Leon Environmental Services at the time of our inspection. The customer recognizes that site conditions or accessibility may vary, from those encountered at the time of our inspection and sample collection. Varying conditions or access could result in additional information that would lead us to revise conclusions and recommendations. Leon Environmental Services will not be responsible for the interpretation or use by others of information contained within this report. Conclusions and recommendations presented in this report are qualitative judgments based on the prevailing regulations and accepted industry standards at the time of the report issuance. Leon Environmental Services provides no other guarantees, either expressed or implied.

Richard Danny Leon

Digitally signed by Richard Danny Leon
DN: cn=Richard Danny Leon, o=Leon Environmental Services, ou, email=leonenviro@comcast.net, c=US
Date: 2020.03.14 13:26:33 -07'00'

Richard "Danny" Leon
California Dept. of Public Health
Lead-Related Construction
Inspector/Assessor ID# 5156

DATE

Leon Environmental Services

5637 N. Fig Garden Dr., Suite 104, Fresno, CA 93722 Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

Client: **Keith McBride** Company: **Fresno County, Facility Services Dept.**

Date: **March 13, 2020** Job No. **L04-20**

Site: **Sheriff's Administration Building, 2200 Fresno St, Fresno, CA**

Analysis: **Heuresis Corp. X-Ray Fluorescence (XRF) Lead Paint Analyzer, Model Pb200i, Serial Number 2077**

LBP Table 1

Sample	Reading No	Units	Room	Side	Component	Color	Substrate	Results	PbC
1	65	mg/cm2	EXTERIOR	A	HAND RAIL	GREY	METAL	Positive	2.9
2	66	mg/cm2	EXTERIOR	A	HAND RAIL	GREY	METAL	Positive	1.2
3	67	mg/cm2	EXTERIOR	A	HAND RAIL	GREY	METAL	Positive	1
4	68	mg/cm2	EXTERIOR	A	HAND RAIL	GREY	METAL	Positive	2.8
5	69	mg/cm2	EXTERIOR	A	GUARD RAIL	GREY	METAL	Positive	2.3
6	70	mg/cm2	EXTERIOR	A	GUARD RAIL	GREY	METAL	Positive	3.2
7	71	mg/cm2	EXTERIOR	A	COLUMN	BEIGE	CONCRETE	Negative	0.2
8	72	mg/cm2	EXTERIOR	A	COLUMN	BEIGE	CONCRETE	Negative	0.1
9	73	mg/cm2	EXTERIOR	A	COLUMN	BEIGE	CONCRETE	Negative	0.1
10	74	mg/cm2	EXTERIOR	A	COLUMN	BEIGE	CONCRETE	Negative	0
11	75	mg/cm2	EXTERIOR	A	COLUMN	BEIGE	CONCRETE	Negative	0.1
12	76	mg/cm2	EXTERIOR	A	COLUMN	BEIGE	CONCRETE	Negative	0.1
13	77	mg/cm2	EXTERIOR	A	FLASHING	BEIGE	METAL	Negative	0.1
14	78	mg/cm2	EXTERIOR	B	FLASHING	BEIGE	METAL	Negative	0.2
15	79	mg/cm2	EXTERIOR	C	FLASHING	BEIGE	METAL	Negative	0
16	80	mg/cm2	EXTERIOR	D	FLASHING	BEIGE	METAL	Negative	0.2
17	81	mg/cm2	EXTERIOR	D	FLASHING	BEIGE	METAL	Negative	0.2
18	82	mg/cm2	EXTERIOR	A	COLUMN	BEIGE	CONCRETE	Negative	0.2
19	83	mg/cm2	EXTERIOR	A	COLUMN	BEIGE	CONCRETE	Negative	0
20	84	mg/cm2	EXTERIOR	A	COLUMN	BEIGE	CONCRETE	Negative	0.2
21	85	mg/cm2	EXTERIOR	A	COLUMN	BEIGE	CONCRETE	Negative	0.2
22	86	mg/cm2	EXTERIOR	B	COLUMN	BEIGE	CONCRETE	Negative	0.1
23	87	mg/cm2	EXTERIOR	A	COLUMN	BEIGE	CONCRETE	Negative	0.2
24	88	mg/cm2	EXTERIOR	A	COLUMN	BEIGE	CONCRETE	Negative	0
25	89	mg/cm2	EXTERIOR	A	COLUMN	BEIGE	CONCRETE	Negative	0.1
26	90	mg/cm2	EXTERIOR	D	COLUMN	BEIGE	CONCRETE	Negative	0.1

Leon Environmental Services

Richard "Danny" Leon CAC # 04-3708
Tommy Leon CAC # 05-3882

September 02, 2021

Keith McBride
Fresno County, Facility Services Department
4590 E. Kings Canyon Road
Fresno, CA 93702

Re: Asbestos Bulk Samples
Fresno County Sheriff's Admin
B1 Entrance From Parking Garage
2200 Fresno St., Fresno, CA
Job No. C192-21

Dear Keith,

Attached are the asbestos sampling results for the above referenced building. This report includes conclusions, recommendations and bulk analysis results. If you have any questions or need additional information, please do not hesitate to call.

Thank you for using Leon Environmental Services. We look forward to working with you in the future.

Respectfully,

Richard D. Leon Digitally signed by Richard D. Leon
Date: 2021.09.02 09:42:29 -07'00'

Richard "Danny" Leon
Certified Asbestos Consultant
Certification No. 04-3708

4545 N. Brawley Ave, Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: leonenviro@comcast.net

Leon Environmental Services
Asbestos Bulk Sample Report C192-21
FCSO B1 Entrance from Parking Garage
2200 Fresno St., Fresno, CA

ASBESTOS ANALYSIS RESULTS

A total of 07 samples of suspect asbestos containing materials were collected from the **Fresno County Sheriff's Admin B1 Entrance from Parking Garage at 2200 Fresno St, Fresno, CA** on August 27, 2021 by Leon Environmental Services. The suspect materials sampled and sample collection areas at this site were determined by the information given to Leon Environmental Services by Keri McBride of Fresno County, Facility Services Department about the impending repair work that is planned for this entry door. All bulk samples of suspect asbestos containing materials were taken in accordance with US EPA Guidelines and accepted industry standards. Western Analytical Laboratory, Inc., a NVLAP accredited laboratory performed a total of 07 analyses from the 7 samples of suspect ACM collected from this site. The full list of all samples taken is on the following pages.

COMMENTS AND RECOMMENDATIONS

All samples collected were NEGATIVE for Asbestos.

CONCLUSIONS AND REGULATIONS

US EPA NESHAP 40 CFR Part 61

Based on our inspection, sampling and subsequent laboratory analysis, in addition to regulatory guidelines affecting this site, **NO ACM was identified**. ACM's require removal (in most cases) prior to demolition and/or renovation procedures to comply with local, state and federal agencies. The US EPA NESHAP (40 CFR Part 61 – November 20, 1990) requires materials containing greater than one percent asbestos be removed prior to renovation or demolition. If those materials are friable or likely to become friable due to the forces expected to act upon them during renovation or demolition, they become a regulated asbestos containing material (RACM) and require a 10-day notification to the local Air Pollution Control District prior to abatement.

CAL OSHA--------Construction Industry--------8CCR, 1529

The construction industry standard covers employees engaged in demolition, construction and the following related activities likely to involve asbestos exposure: removal, encapsulation, alteration, repair, maintenance, insulation, spill emergency cleanup, transportation, disposal and storage of ACM. CAL OSHA worker health and safety regulations apply during any disturbance of ACM by a person while in the employ of another. This is true regardless of friability or quantity disturbed. If there is greater than 100 square feet of ACM which will be

affected by the demolition, a California Licensed Contractor who is registered with CAL OSHA for asbestos is required. The regulations regarding asbestos are found in Title 8 CCR Section 1529, and also include formal notification requirements to CAL OSHA at least 24 hours prior to removal.

LIMITATIONS OF LIABILITY

The nature of demolition and asbestos abatement is such that materials can be uncovered which previously were unknown to exist. Therefore, Leon Environmental Services cannot be responsible for materials not previously detected due to lack of accessibility or concealment, although every effort was made during the inspection to detect all suspect materials. If any materials other than those included herein are discovered during renovation or demolition, it must be assumed that the materials are asbestos containing and should be treated accordingly until further testing and analysis is performed.

The data interpretations and recommendations are based solely on information available to Leon Environmental Services at the time of our inspection. The customer recognizes that site conditions or accessibility may vary from those encountered at the time of our inspection and sample collection. Varying conditions or access could result in additional information that would lead us to revise conclusions and recommendations.

Leon Environmental Services will not be responsible for the interpretation or use by others of information contained within this report. Conclusions and recommendations presented in this report are qualitative judgments based on the prevailing regulations and accepted industry standards at the time of the report issuance. Leon Environmental Services provides no other guarantees, either expressed or implied.

Richard D. Leon Digitally signed by Richard D. Leon
Date: 2021.09.02 09:42:53 -07'00'

Richard "Danny" Leon — Date
Certified Asbestos Consultant
Certification No. 04-3708

*Abbreviation Key:
Asbestos Containing Material – ACM (Contains greater than 1% asbestos by weight)
Asbestos Containing Construction Material – ACCM (Contains less than 1% asbestos by weight)
Vinyl Asbestos Tile – VAT
No Asbestos Detected – N.A.D or N.D.
Homogeneous – H
Not Sampled – NS

Leon Environmental Services

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722 Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

152975

Customer: Keith McBride Company: Fresno County

Date: 8/27/21 Job No: C192-21

Analysis: PLM Turn Around: 2hr Rush Same Day (24hr) 48hr 3-5 days

Inspection Site: Sheriff Admin Basement 2200 Fresno St Fresno CA

Sample No	Location	Material: Color	Material: Type	Quantity
01	INSIDE left side		Joint Comp ~~&~~ COMP@1%	
02	" " "		Sheet Rock	
03	INSIDE Right side		J/C ~~&~~ COMP@1%	
04			SR	
05	OUTSIDE		Texture	
06	"		Texture	
07	"		Sheet Rock	

Relinquished By: [signature] Date: 8/27/21

Received By: [signature] Date: 8/30/21

WESTERN ANALYTICAL LABORATORY, Inc.
TEST REPORT

NVLAP TESTING
NVLAP LAB CODE 200037

REPORT NO:	152-975	CLIENT:	Leon Environmental Services 4545 N. Brawley Ave., Suite 104 Fresno CA 93722
DATE COLLECTED:	August 27, 2021		
DATE RECEIVED:	August 30, 2021	ATTENTION:	Danny Leon (CAC# 04-3708)
DATE REQUIRED:	August 31, 2021	REFERENCE:	C192-21 Keith McBridge – Fresno County Sheriff Admin. Basement 2200 Fresno Street, Fresno, CA

SUBJECT: Polarized Light Microscopy Analysis for Asbestos; 7 samples

METHODOLOGY: "Method for the Determination of Asbestos in Bulk Building Materials" (EPA 600/R-93/116)

ACCREDITED: National Institute of Standards and Technology (NVLAP) # 200037

SAMPLE ID NUMBER	SAMPLE LOCATION AND DESCRIPTION	NON-FIBROUS MATERIALS	OTHER FIBROUS MATERIALS	ASBESTIFORM MINERALS
01	Inside Left Side Joint compound	Granular Minerals Organics	None Detected	None Detected
02	Inside Left Side Sheetrock	Granular Minerals Organics Gypsum	Cellulose 10% Fiberglass 1-2%	None Detected
03	Inside Right Side Joint compound	Granular Minerals Organics	None Detected	None Detected
04	Inside Right Side Sheetrock	Granular Minerals Organics Gypsum	Cellulose 10% Fiberglass 1-2%	None Detected
05	Outside Texture	Granular Minerals Organics	None Detected	None Detected
06	Outside Texture	Granular Minerals Organics	None Detected	None Detected
07	Outside Sheetrock	Granular Minerals Organics Gypsum	Cellulose 10% Fiberglass <1%	None Detected

t: Trace (>1% = greater than 1%, <1% = less than 1%)

Optical Microscopist

Mike Maladzhikyan, Laboratory Director

This report only applies to the sample(s) tested. This report must not be reproduced except in full, unless approved by Western Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Western Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

WESTERN ANALYTICAL LABORATORY, Inc.
12734 Branford St. Suite #19, Arleta, CA 91331 • Tel: (818) 899-0949 • Email: WesternAnalytical@gmail.com

Leon Environmental Services

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

January 18, 2021

Keith McBride
Fresno County, Facility Services Dept.
4590 E. Kings Canyon Rd.
Fresno, CA 93702

Re: Asbestos Bulk Samples
Fresno County Sheriff's Admin Office
2200 Fresno St.
Fresno, CA
Job No. B11-21

Dear Keith:

Attached are the asbestos sampling results for the above referenced building. This report includes conclusions, recommendations and bulk analysis results. If you have any questions or need additional information, please do not hesitate to call.

Thank you for using Leon Environmental Services. We look forward to working with you in the future.

Respectfully,

Tommy Leon
Certified Asbestos Consultant
Certification No. 05-3882

Sampling Site: Fresno County Sheriff's Admin Office
2200 Fresno St, Fresno, CA
B11-21

ASBESTOS ANALYSIS RESULTS

A total of **03** samples of suspect materials were collected by a state certified asbestos inspector from the 1st and 2nd floors of the Fresno County Sheriff's Admin Office at **2200 Fresno St, Fresno, CA**. The sample collection areas were determined by the information given to the inspector by **Keith McBride of the Fresno County Facility Services Dept.** about the impending remodel/renovation that is planned for this building. Western Analytical Laboratory, Inc., a NVLAP accredited laboratory performed a total of **06** analyses from the **03** samples collected. The chain of custody from Leon Environmental Services and the report from Western Analytical contain a full list of all samples taken from this site.

Sample	Location	Material	% Of ACM	Friable
01	1st Floor Hallway Floor	Gray 12x12 Floor Tile	ND	
	1st Floor Hallway Floor	Thin Set	ND	
	1st Floor Hallway Floor	Float Material	ND	
02	2nd Floor Hallway Floor	Gray 12x12 Floor Tile	ND	
	2nd Floor Hallway Floor	Thin Set	ND	
03	2nd Floor Hallway Floor	Float Material	ND	

COMMENTS AND RECOMMENDATIONS

All samples of suspect materials from the selected areas of this site were negative for asbestos.

CONCLUSIONS AND REGULATIONS

Based on our survey, sampling and subsequent laboratory analysis and regulatory guidelines affecting this site, the types of ACM identified on this page require removal (in most cases) prior to demolition and/or renovation procedures to comply with local, state and federal agencies. The US EPA NESHAP (40 CFR Part 61 – November 20, 1990) requires materials containing greater than one percent asbestos be removed prior to renovation or demolition. If those materials are friable or likely to become friable due to the forces expected to act upon them during renovation or demolition, they become a regulated asbestos containing material (RACM) and require a 10-day notification to the local Air Pollution Control District prior to abatement.

Sampling Site: Fresno County Sheriff's Admin Office
2200 Fresno St, Fresno, CA
B11-21

Cal/OSHA worker health and safety regulations apply during any disturbance of ACM by a person while in the employ of another. This is true regardless of friability or quantity disturbed. If there is greater than 100 square feet of ACM which will be affected by the demolition, a California Licensed Contractor who is registered with Cal/OSHA for asbestos is required. The regulations regarding asbestos are found in Title 8 CCR Section 1529, and also include formal notification requirements to Cal/OSHA at least 24 hours prior to removal. It is required that removal be conducted with the material kept in a wetted state to contain dust and hazardous emissions.

CAL OSHA--------Construction Industry--------8CCR, 1529

1. The construction industry standard covers employees engaged in demolition and construction, and the following related activities likely to involve asbestos exposure: removal, encapsulation, alteration, repair, maintenance, insulation, spill emergency cleanup, transportation, disposal and storage of ACM.

2. Demolition contractors typically require that a building owner/operator accept responsibility for removal of all ACM found during the building inspection prior to start of demolition activities.

3. Non-friable and non-regulated ACM, in most cases, may be disposed of as construction debris in a landfill that accepts ordinary construction debris. All friable waste containing more than 1% asbestos (RACM) should be manifested as hazardous waste for disposal purposes.

LIMITATIONS OF LIABILITY

Conclusions and recommendations presented in this report are qualitative judgments based on the prevailing regulations and accepted industry standards at the time of the report issuance. Leon Environmental Services provides no other guarantees, either expressed or implied. All quantities of materials listed herein are estimates for sampling purposes only, and should be verified by Owner representative or an abatement contractor prior to asbestos abatement.

The nature of demolition and asbestos abatement is such that materials can be uncovered which previously were unknown to exist. Therefore, Leon Environmental Services cannot be responsible for materials not previously detected due to lack of accessibility or concealment, although every effort was made during the inspection to detect all suspect materials. If any materials other than those included herein are discovered during renovation or demolition, it must be assumed that the materials are asbestos containing, and should be treated accordingly until further testing and analysis is performed.

The data interpretations and recommendations are based solely on information available to Leon Environmental Services at the time of our inspection. The customer recognizes that site conditions or accessibility may vary, from those encountered at the time of our

inspection and sample collection. Varying conditions or access could result in additional information that would lead us to revise conclusions and recommendations. Leon Environmental Services will not be responsible for the interpretation or use by others of information contained within this report.

Thomas M. Leon

Digitally signed by Thomas M. Leon
DN: cn=Thomas M. Leon, o=Leon Environmental Services, ou, email=LeonEnviro@comcast.net, c=US
Date: 2021.01.18 14:28:22 -08'00'

Thomas Leon
Certified Asbestos Consultant
Certification No. 05-3882

DATE:

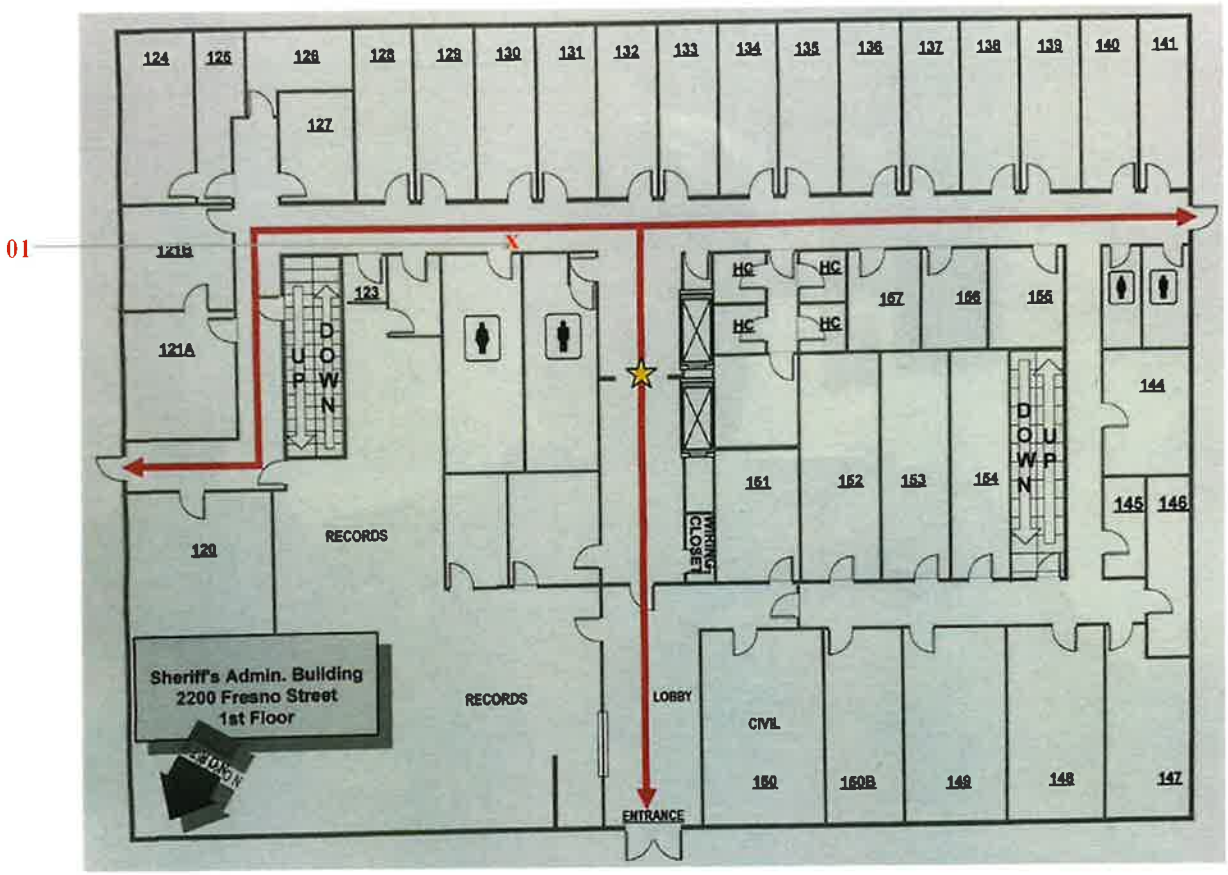
*Abbreviation Key:

Asbestos Containing Material — ACM (equal to or greater than 0.1% by weight)
Vinyl Asbestos Tile – VAT
No Asbestos Detected--N.A.D or N.D.
Homogeneous—H
Not Sampled--NS

Leon Environmental Services

Richard "Danny" Leon CAC Certification No. 04-3708
Tommy Leon CAC Certification No. 05-3882

Job B11-21 / Sample Location Diagram
Fresno County Sheriff - Administration Offices – 1st Floor / 2200 Fresno Street, Fresno, CA
Keith McBride / Fresno County – Internal Services Department – Facility Services
Drawing not to Scale



Y = Exterior Samples
X = Interior Samples
R = Roof Samples

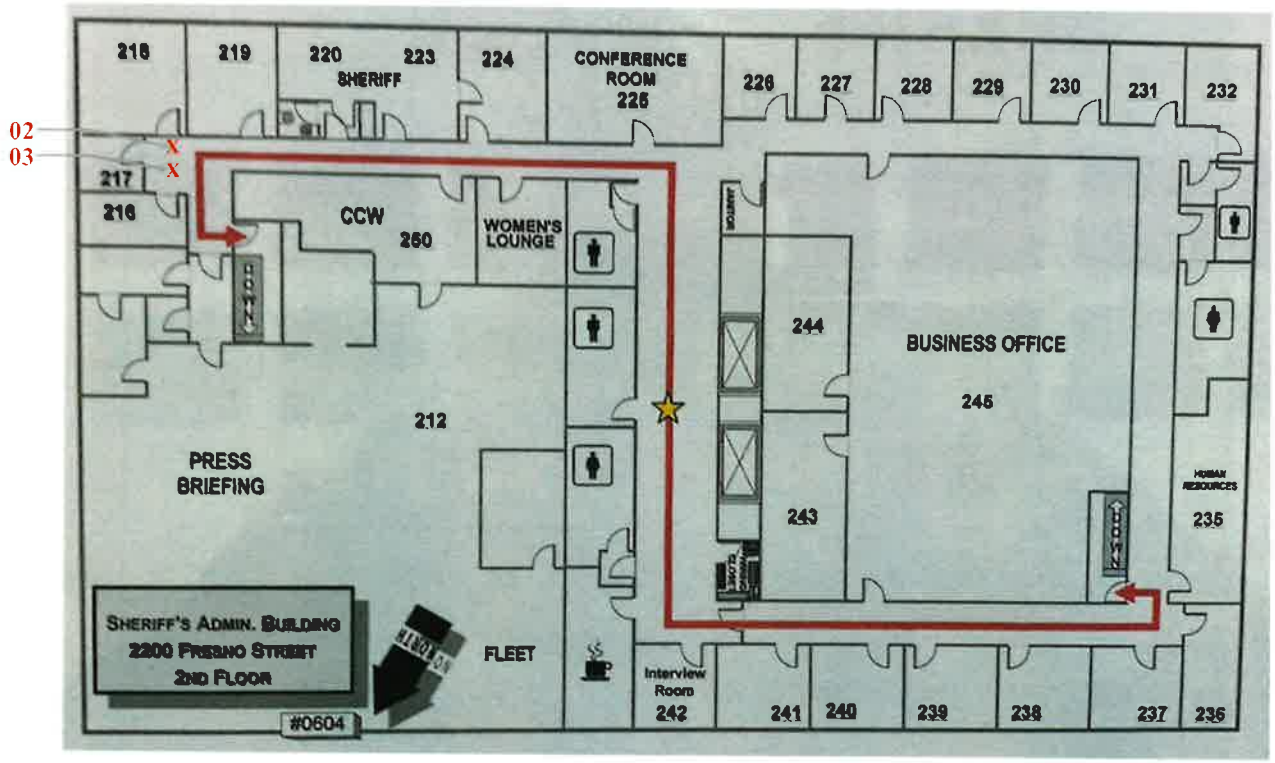
4545 N. Brawley Ave., Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

N

Leon Environmental Services

Richard "Danny" Leon CAC Certification No. 04-3708
Tommy Leon CAC Certification No. 05-3882

Job B11-21 / Sample Location Diagram
Fresno County Sheriff – Administration Offices – 2nd Floor / 2200 Fresno Street, Fresno, CA
Keith McBride / Fresno County – Internal Services Department – Facility Services
Drawing not to Scale



Y = Exterior Samples
X = Interior Samples
R = Roof Samples

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

N

McCall and Spero
Environmental, Inc.
Specialists in Microanalysis

Williamson Court • Suite 100 • Louisville, KY 40223
Phone (502) 244-7135 • FAX (502) 244-7136
E-mail: customerservice@mselabs.com • Website: www.mselabs.com

Date: January 18, 2021

Attention: Tommy Leon
Leon Environmental Services

Subject: Analysis of bulk samples for asbestos mineral fibers by Polarized Light Microscopy (PLM) with Dispersion Staining (EPA/600/R-93/116)

RE: MSE-P1181LEO
Keith McBride; Fresno County - Fac Services Dept; 2200 Fresno St, Fresno CA Project
LEO# B11-21

Dear Mr. Leon:

McCall & Spero Environmental, Inc. has completed the analysis of the bulk samples we received from your offices on January 18, 2021. These samples represent the bulk samples from the Keith McBride; Fresno County - Fac Services Dept; 2200 Fresno St, Fresno CA Project.

The PLM bulk analysis was performed according to the "Method of the Determination of Asbestos in Bulk Building Materials", R. L. Perkins and B. W. Harvey (EPA/600/R-93/116).

The results for the six (6) samples are summarized in the following report. Please note that for samples consisting of two or more distinct components, each component is analyzed and reported individually (EPA 40 CFR Part 61 [FRL-4821-71]).

Thank you for consulting McCall & Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

Kevin R. Bean, B.A.
PLM Laboratory Director

NVLAP®
TESTING
NVLAP LAB CODE 101695-0

SUMMARY OF PLM BULK ANALYSIS RESULTS

Project Name: Keith McBride; Fresno County - Fac Services Dept; 2200 Fresno St, Fresno CA Project
McCall & Spero Environmental Project No. MSE-P1181LEO

MSE # P1181LEO	SAMPLE # DESCRIPTION	ASBESTOS TYPE & %	OTHER FIBROUS MATERIAL & %	% NON-FIBROUS MATERIAL	COLOR
001 (A)	01 (A) Floor Tile	ND	Cellulose / 3%	97%	Gray
001 (B)	01 (B) Thinset	ND	Cellulose / 2%	98%	Gray
001 (C)	01 (C) Float Material	ND	Cellulose / 2%	98%	White
002 (A)	02 (A) Floor Tile	ND	Cellulose / 3%	97%	Gray
002 (B)	02 (B) Thinset	ND	Cellulose / 2%	98%	Gray
003	03 Float Material	ND	Cellulose / 2%	98%	White

NOTES:

ND = None Detected CH = Chrysotile A = Amosite AC = Actinolite
CR = Crocidolite AN = Anthophyllite TR = Tremolite

For samples consisting of separate components, each component is analyzed and reported separately.

Results apply only to items tested. Quantification is accurate to within ± 10%. Results from this report must not be reproduced, except in full, with the approval of McCall & Spero Environmental, Inc. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

** EPA recommends that bulk materials found negative for asbestos or less than one percent asbestos by polarized light microscopy that fall into one of five dominantly nonfriable categories be reanalyzed by an additional method, such as transmission electron microscopy. (EPA Notice of Advisory, FR Vol. 59, No. 146 & Test Method EPA 600/ R-93/ 116).

Analyst: Kevin R. Bean, B.A 

McCall & Spero Environmental, Inc.

Leon Environmental Services

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722 Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

Customer: Keith McBride Company: Fresno County - Fac Svrcs Dept.

Date: 1-15-21 Job No. B11-21

Analysis (PLM) Turn Around: (2hr Rush) Same Day 24hr 48hr 3-5 days

Inspection Site : Admin Office: 2200 Fresno Street, Fresno, CA

Sample No	Location	Material Color	Material Type	Material Friable	Quantity
01	1st Floor Hallway Floor	Gray	12"x12" Floor Tile		
	" " " "		Thin Set		
	" " " "		Float Material		
02	2nd " " "	Grey	12"x12" Floor Tile		
	" " " "		Thin Set		
03	" " " "		Float Material		

Relinquished By [signature] Date 1-15-21

Received By [signature] Date 1/18/21

Leon Environmental Services

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

July 17, 2023

Marshall Smith
Fresno County, Facility Services Dept.
4590 E. Kings Canyon Rd.
Fresno, CA 93702

Re: Asbestos Bulk Samples
Sheriff Administration Building
1st Floor Restroom Entry
2200 Fresno St.
Fresno, CA
Job No. B147-23

Dear Marshall:

Attached are the asbestos sampling results for the above referenced building. This report includes conclusions, recommendations and bulk analysis results. If you have any questions or need additional information, please do not hesitate to call.

Thank you for using Leon Environmental Services. We look forward to working with you in the future.

Respectfully,

Christopher Cabral Digitally signed by Christopher Cabral
Date: 2023.07.17 16:15:39 -07'00'

Christopher Cabral
Certified Asbestos Consultant
Certification No. 22-7151

Sampling Site: Sheriff Admin Building, 1st Floor Restroom Entry
2200 Fresno St, Fresno, CA
B147-23

ASBESTOS ANALYSIS RESULTS

A total of **2** samples of suspect materials were collected by a state certified asbestos inspector from the **1st floor restroom entry** of the **Sheriff administration building** at **2200 Fresno St, Fresno, CA**. The sample collection areas were determined by the information given to the inspector by **Michael Bowman of the County of Fresno** about the impending remodel/renovation that is planned for this building. McCall and Spero Environmental, Inc., a NVLAP accredited laboratory performed a total of **4** analyses from the **2** samples collected. The chain of custody from Leon Environmental Services and the report from McCall and Spero contain a full list of all samples taken from this site.

Sample	Location	Material	% Of ACM	Friable
01	Restroom Entry Wall	Color Coat	ND	
		Plaster	ND	
02	Restroom Entry Wall	Color Coat	ND	
		Plaster	ND	

* Determined after composite sampling with associated sheetrock
NS – Not Sampled

COMMENTS AND RECOMMENDATIONS

All samples of suspect materials from the selected areas of this site were negative for asbestos.

CONCLUSIONS AND REGULATIONS

Based on our survey, sampling and subsequent laboratory analysis and regulatory guidelines affecting this site, the types of ACM identified on this page require removal (in most cases) prior to demolition and/or renovation procedures to comply with local, state and federal agencies. The US EPA NESHAP (40 CFR Part 61 – November 20, 1990) requires materials containing greater than one percent asbestos be removed prior to renovation or demolition. If those materials are friable or likely to become friable due to the forces expected to act upon them during renovation or demolition, they become a regulated asbestos containing material (RACM) and require a 10-day notification to the local Air Pollution Control District prior to abatement.

Non-friable and non-regulated ACM, in most cases, may be disposed of as a Non-Hazardous waste in a landfill that accepts Asbestos Containing Materials. All friable

waste containing more than 1% asbestos (RACM) must be manifested as hazardous waste for disposal purposes.

CAL OSHA--------Construction Industry--------8CCR, 1529

Cal/OSHA worker health and safety regulations apply during any disturbance of ACM by a person while in the employ of another. This is true regardless of friability or quantity disturbed. If there is greater than 100 square feet of ACM which will be affected by the demolition, a California Licensed Contractor who is registered with Cal/OSHA for asbestos is required. The regulations regarding asbestos are found in Title 8 CCR Section 1529, and also include formal notification requirements to Cal/OSHA at least 24 hours prior to removal. It is required that removal be conducted with the material kept in a wetted state to contain dust and hazardous emissions.

The construction industry standard covers employees engaged in demolition and construction, and the following related activities likely to involve asbestos exposure: removal, encapsulation, alteration, repair, maintenance, insulation, spill emergency cleanup, transportation, disposal and storage of ACM.

Demolition contractors typically require that a building owner/operator accept responsibility for removal of all ACM found during the building inspection prior to start of demolition activities.

LIMITATIONS OF LIABILITY

Conclusions and recommendations presented in this report are qualitative judgments based on the prevailing regulations and accepted industry standards at the time of the report issuance. Leon Environmental Services provides no other guarantees, either expressed or implied. All quantities of materials listed herein are estimates for sampling purposes only, and should be verified by Owner representative or an abatement contractor prior to asbestos abatement.

The nature of demolition and asbestos abatement is such that materials can be uncovered which previously were unknown to exist. Therefore, Leon Environmental Services cannot be responsible for materials not previously detected due to lack of accessibility or concealment, although every effort was made during the inspection to detect all suspect materials. If any materials other than those included herein are discovered during renovation or demolition, it must be assumed that the materials are asbestos containing, and should be treated accordingly until further testing and analysis is performed.
The data interpretations and recommendations are based solely on information available to Leon Environmental Services at the time of our inspection. The customer recognizes that site conditions or accessibility may vary, from those encountered at the time of our inspection and sample collection. Varying conditions or access could result in additional information that would lead us to revise conclusions and recommendations. Leon

Sampling Site: Sheriff Admin Building, 1st Floor Restroom Entry
2200 Fresno St, Fresno, CA
B147-23

Environmental Services will not be responsible for the interpretation or use by others of information contained within this report.

Christopher Cabral Digitally signed by Christopher Cabral
Date: 2023.07.17 16:16:07 -07'00'

Christopher Cabral DATE:
Certified Asbestos Consultant
Certification No. 22-7151

*Abbreviation Key:

Asbestos Containing Material — ACM (equal to or greater than 0.1% by weight)
Vinyl Asbestos Tile – VAT
No Asbestos Detected--N.A.D or N.D.
Homogeneous—H
Not Sampled--NS

McCall and Spero
Environmental, Inc.
Specialists in Microanalysis

1831 Williamson Court • Suite 100 • Louisville, KY 40223
Phone (502) 244-7135 • FAX (502) 244-7136
E-mail: customerservice@mselabs.com • Website: www.mselabs.com

Date: July 17, 2023

Attention: Tommy Leon
Leon Environmental Services

Subject: Analysis of bulk samples for asbestos mineral fibers by Polarized Light Microscopy (PLM) with Dispersion Staining (EPA/600/R-93/116)

RE: MSE-P7173LEO
Marshall Smith, Fresno County, Facility Services Dept. - Sheriff Admin Building, 1st Floor: 2200 Fresno St.; Fresno, CA Project
LEO# B147-23

Dear Mr. Leon:

McCall & Spero Environmental, Inc. has completed the analysis of the bulk samples we received from your offices on July 17, 2023. These samples represent the bulk samples from the Marshall Smith, Fresno County, Facility Services Dept. - Sheriff Admin Building, 1st Floor: 2200 Fresno St.; Fresno, CA Project.

The PLM bulk analysis was performed according to the "Method of the Determination of Asbestos in Bulk Building Materials", R. L. Perkins and B. W. Harvey (EPA/600/R-93/116).

The results for the four (4) samples are summarized in the following report. Please note that for samples consisting of two or more distinct components, each component is analyzed and reported individually (EPA 40 CFR Part 61 [FRL-4821-71]).

Thank you for consulting McCall & Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

Kevin R. Bean, B.A.
PLM Laboratory Director

NVLAP®
TESTING
NVLAP LAB CODE 101895-0

SUMMARY OF PLM BULK ANALYSIS RESULTS

Project Name: Marshall Smith, Fresno County, Facility Services Dept. - Sheriff Admin Building, 1st Floor: 2200 Fresno St.; Fresno, CA Project
McCall & Spero Environmental Project No. MSE-P7173LEO

MSE # P7173LEO	SAMPLE # DESCRIPTION	ASBESTOS TYPE & %	OTHER FIBROUS MATERIAL & %	% NON-FIBROUS MATERIAL	COLOR
001 (A)	01 (A) Color Coat	ND	Cellulose / 2%	98%	Beige
001 (B)	01 (B) Plaster	ND	Cellulose / 2% Hair / 2%	96%	White
002 (A)	02 (A) Color Coat	ND	Cellulose / 2%	98%	Beige
002 (B)	02 (B) Plaster	ND	Cellulose / 2% Hair / 2%	96%	White

NOTES:

ND = None Detected CH = Chrysotile A = Amosite AC = Actinolite
CR = Crocidolite AN = Anthophyllite TR = Tremolite

For samples consisting of separate components, each component is analyzed and reported separately.

Results apply only to items tested. Quantification is accurate to within ± 10%. Results from this report must not be reproduced, except in full, with the approval of McCall & Spero Environmental, Inc. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

** EPA recommends that bulk materials found negative for asbestos or less than one percent asbestos by polarized light microscopy that fall into one of five dominantly nonfriable categories be reanalyzed by an additional method, such as transmission electron microscopy. (EPA Notice of Advisory, FR Vol. 59, No. 146 & Test Method EPA 600/ R-93/ 116).

Analyst: Kevin R. Bean, B.A. 

McCall & Spero Environmental, Inc.

Leon Environmental Services

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722 Phone: (559) 274-9200 Fax: (559) 274-9240 Email: Leonenviro@comcast.net

Customer: Marshall Smith **Company:** Fresno County, Facility Services Dept

Date: July 14, 2023 **Job No:** B147 23

Analysis: PLM **Turn Around:** RUSH (Same Day) Next Day 2-3 Days 4-5 Days

Inspection Site: Sheriff Admin Building, 1st Floor, 2200 Fresno St, Fresno, CA

Sample No.	Location	Material		Quantity
		Color	Type	
01	Restroom Entry Wall		Color Coat	
	Restroom Entry Wall		Plaster	
02	Restroom Entry Wall		Color Coat	
	Restroom Entry Wall		Plaster	

Relinquished By: [signature] **Date:** 7-14-23 **Received By:** [signature] **Date:** 7/17/23

Leon Environmental Services

Richard "Danny" Leon CAC # 04-3708
Tommy Leon CAC # 05-3882

August 9, 2024

Mike Bowman
Fresno County, Maintenance Services Dept
4590 E. Kings Canyon Rd.
Fresno, CA 93702

Re: Asbestos Bulk Samples
Sheriff Administration Building, 1st Floor
2200 Fresno St.
Fresno, CA
Job No. B166-24

Dear Mike:

Attached are the asbestos sampling results for the above referenced building. This report includes conclusions, recommendations and bulk analysis results. If you have any questions or need additional information, please do not hesitate to call.

Thank you for using Leon Environmental Services. We look forward to working with you in the future.

Respectfully,

Christopher Cabral Digitally signed by Christopher Cabral
Date: 2024.08.13 13:19:41 -07'00'

Christopher Cabral
Certified Asbestos Consultant
Certification No. 22-7151

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@leonenviro.com

Sampling Site: Sheriff Administration Building, 1st Floor
2200 Fresno St, Fresno, CA
B166-24

ASBESTOS ANALYSIS RESULTS

A total of 3 samples of suspect materials were collected by a state certified asbestos inspector from the 1st floor of **Sheriff Administration Building** at **2200 Fresno St. Fresno CA**. The sample collection areas were determined by the information given to the inspector by **Mike Bowman of the County of Fresno** about the impending remodel/renovation that is planned for this building. McCall and Spero Environmental, Inc., a NVLAP accredited laboratory performed a total of **3** analyses from the **3** samples collected. The chain of custody from Leon Environmental Services and the report from McCall and Spero contain a full list of all samples taken from this site.

Samples Positive for Asbestos

Sample	Location	Material	% Of ACM	Friable
01, 02, 03	Records Office, Upper Ceiling	Fireproofing	10%	Yes

COMMENTS AND RECOMMENDATIONS

Friable Asbestos

The Fireproofing (Samples 01, 02, 03) located on the upper ceiling above the ceiling tiles in the records office is positive for asbestos at 10%.

This material is considered ***friable hazardous ACM***. It is required that a licensed asbestos abatement contractor remove this material prior to renovation and or demolition of this structure.

CONCLUSIONS AND REGULATIONS

Based on our survey, sampling and subsequent laboratory analysis and regulatory guidelines affecting this site, the types of ACM identified on this page require removal (in most cases) prior to demolition and/or renovation procedures to comply with local, state and federal agencies. The US EPA NESHAP (40 CFR Part 61 – November 20, 1990) requires materials containing greater than one percent asbestos be removed prior to renovation or demolition. If those materials are friable or likely to become friable due to the forces expected to act upon them during renovation or demolition, they become a regulated asbestos containing material (RACM) and require a 10-day notification to the local Air Pollution Control District prior to abatement.

Non-friable and non-regulated ACM, in most cases, may be disposed of as a Non-Hazardous waste in a landfill that accepts Asbestos Containing Materials. All friable

waste containing more than 1% asbestos (RACM) must be manifested as hazardous waste for disposal purposes.

CAL OSHA--------Construction Industry--------8CCR, 1529

Cal/OSHA worker health and safety regulations apply during any disturbance of ACM by a person while in the employ of another. This is true regardless of friability or quantity disturbed. If there is greater than 100 square feet of ACM which will be affected by the demolition, a California Licensed Contractor who is registered with Cal/OSHA for asbestos is required. The regulations regarding asbestos are found in Title 8 CCR Section 1529, and also include formal notification requirements to Cal/OSHA at least 24 hours prior to removal. It is required that removal be conducted with the material kept in a wetted state to contain dust and hazardous emissions.

The construction industry standard covers employees engaged in demolition and construction, and the following related activities likely to involve asbestos exposure: removal, encapsulation, alteration, repair, maintenance, insulation, spill emergency cleanup, transportation, disposal and storage of ACM.

Demolition contractors typically require that a building owner/operator accept responsibility for removal of all ACM found during the building inspection prior to start of demolition activities.

LIMITATIONS OF LIABILITY

Conclusions and recommendations presented in this report are qualitative judgments based on the prevailing regulations and accepted industry standards at the time of the report issuance. Leon Environmental Services provides no other guarantees, either expressed or implied. All quantities of materials listed herein are estimates for sampling purposes only, and should be verified by Owner representative or an abatement contractor prior to asbestos abatement.

The nature of demolition and asbestos abatement is such that materials can be uncovered which previously were unknown to exist. Therefore, Leon Environmental Services cannot be responsible for materials not previously detected due to lack of accessibility or concealment, although every effort was made during the inspection to detect all suspect materials. If any materials other than those included herein are discovered during renovation or demolition, it must be assumed that the materials are asbestos containing and should be treated accordingly until further testing and analysis is performed.

The data interpretations and recommendations are based solely on information available to Leon Environmental Services at the time of our inspection. The customer recognizes that site conditions or accessibility may vary from those encountered at the time of our inspection and sample collection. Varying conditions or access could result in additional

information that would lead us to revise conclusions and recommendations. Leon Environmental Services will not be responsible for the interpretation or use by others of information contained within this report.

Christopher Cabral Digitally signed by Christopher Cabral
Date: 2024.08.13 13:20:03 -07'00'

Christopher Cabral — Date
Certified Asbestos Consultant
Certification No. 22-7151

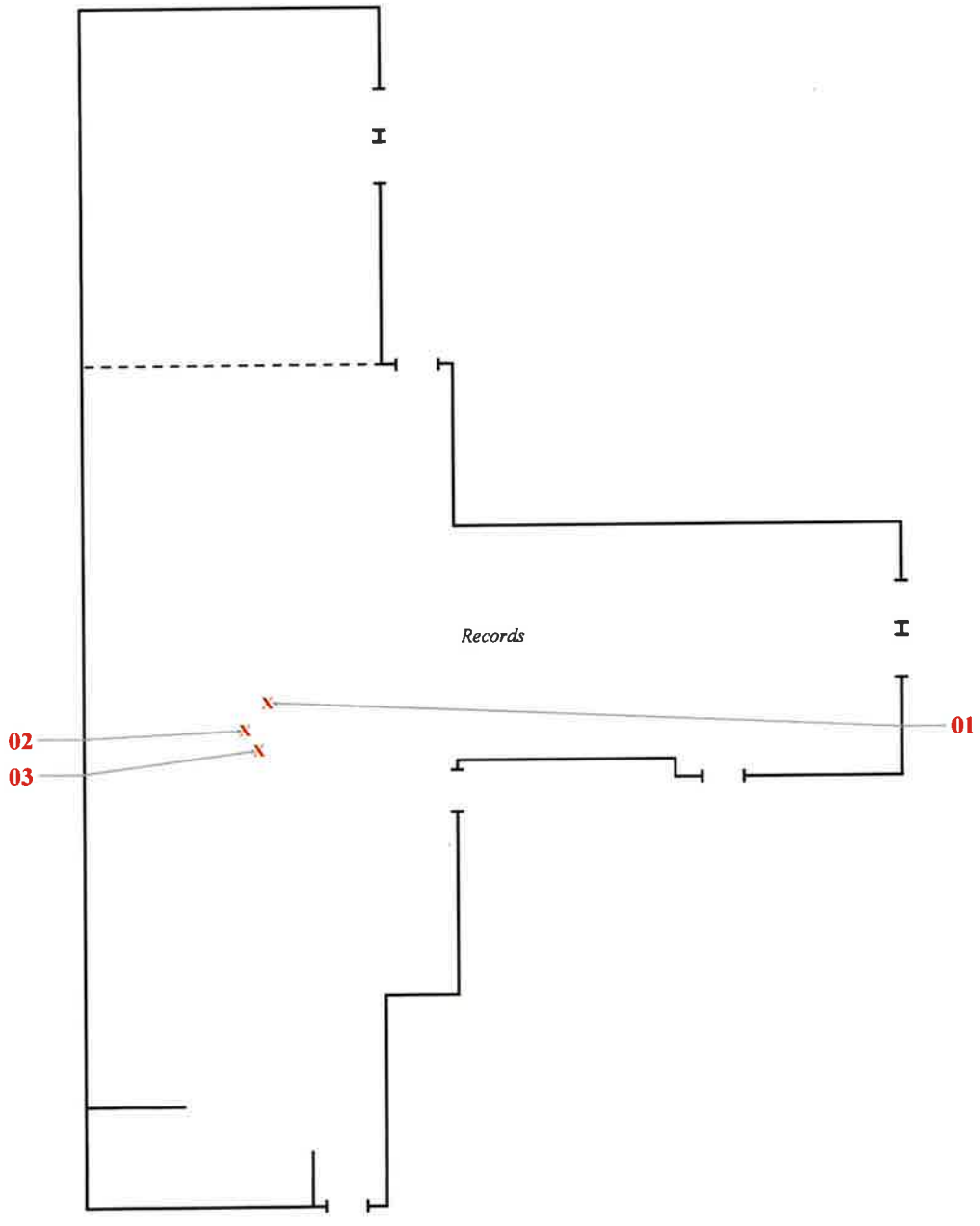
*Abbreviation Key:

Asbestos Containing Material — ACM (equal to or greater than 0.1% by weight)
Vinyl Asbestos Tile – VAT
No Asbestos Detected--N.A.D or N.D.
Homogeneous—H
Not Sampled--NS

Leon Environmental Services

Richard "Danny" Leon CAC Certification No. 04-3708
Tommy Leon CAC Certification No. 05-3882

Job B166-24 Sample Location Diagram
Sheriff Administration Office, 1st Floor / 2200 Fresno St, Fresno, CA
Mike Bowman / Fresno County, Maintenance Services Dept.
Drawing Not to Scale



X = Interior Samples
Y = Exterior Samples
R = Roof Samples

N

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

McCall and Spero
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1831 Williamson Court • Suite 100 • Louisville, KY 40223
Phone (502) 244-7135 • FAX (502) 244-7136
E-mail: customerservice@mselabs.com • Website: www.mselabs.com

Date: August 1, 2024

Attention: Tommy Leon
Leon Environmental Services

Subject: Analysis of bulk samples for asbestos mineral fibers by Polarized Light Microscopy (PLM) with Dispersion Staining (EPA/600/R-93/116)

RE: MSE-P814LEO
Mike Bowman, Fresno County, Maintenance Services Dept. - Sheriff Administration Building, 1st Floor: 2200 Fresno St; Fresno, CA Project
LEO # B166-24

Dear Mr. Leon:

McCall & Spero Environmental, Inc. has completed the analysis of the bulk samples we received from your offices on August 1, 2024. These samples represent the bulk samples from the Mike Bowman, Fresno County, Maintenance Services Dept. - Sheriff Administration Building, 1st Floor: 2200 Fresno St; Fresno, CA Project.

The PLM bulk analysis was performed according to the "Method of the Determination of Asbestos in Bulk Building Materials", R. L. Perkins and B. W. Harvey (EPA/600/R-93/116).

The results for the three (3) samples are summarized in the following report. Please note that for samples consisting of two or more distinct components, each component is analyzed and reported individually (EPA 40 CFR Part 61 [FRL-4821-71]).

Thank you for consulting McCall & Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

Kevin R. Bean, B.A.
PLM Laboratory Director

NVLAP®
TESTING
NVLAP LAB CODE 101895-0

SUMMARY OF PLM BULK ANALYSIS RESULTS

Project Name: Mike Bowman, Fresno County, Maintenance Services Dept. - Sheriff Administration Building, 1st Floor: 2200 Fresno St; Fresno, CA Project
McCall & Spero Environmental Project No. MSE-P814LEO

MSE # P814LEO	SAMPLE # DESCRIPTION	ASBESTOS TYPE & %	OTHER FIBROUS MATERIAL & %	% NON-FIBROUS MATERIAL	COLOR
001	01 Fireproofing	CH / 10%	Cellulose / 10% Glass / 10%	70%	Gray
002	02 Fireproofing	CH / 10%	Cellulose / 10% Glass / 10%	70%	Gray
003	03 Fireproofing	CH / 10%	Cellulose / 10% Glass / 10%	70%	Gray

NOTES:

ND = None Detected CH = Chrysotile A = Amosite AC = Actinolite
CR = Crocidolite AN = Anthophyllite TR = Tremolite

For samples consisting of separate components, each component is analyzed and reported separately.

Results apply only to items tested. Quantification is accurate to within ± 10%. Results from this report must not be reproduced, except in full, with the approval of McCall & Spero Environmental, Inc. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

** EPA recommends that bulk materials found negative for asbestos or less than one percent asbestos by polarized light microscopy that fall into one of five dominantly nonfriable categories be reanalyzed by an additional method, such as transmission electron microscopy. (EPA Notice of Advisory, FR Vol. 59, No. 146 & Test Method EPA 600/ R-93/ 116).

Analyst: Kevin R. Bean, B.A. 

McCall & Spero Environmental, Inc.

Leon Environmental Services

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722 Phone: (559) 274-9200 Fax: (559) 274-9240 Email: Leonenviro@comcast.net

Customer: Mike Bowman **Company:** Fresno County, Maintenance Services Dept.

Date: July 31, 2024 **Job No:** B166-24

Analysis: PLM **Turn Around:** (RUSH) Same Day Next Day 2-3 Days 4-5 Days

Inspection Site: Sheriff Administration Building, 1st Floor, 2200 Fresno St, Fresno, CA

Sample No.	Location	Material		Quantity
		Color	Type	
01	Records Office, Upper Ceiling		Fireproofing	
02	Records Office, Upper Ceiling		Fireproofing	
03	Records Office, Upper Ceiling		Fireproofing	

Relinquished By: [signature] **Date:** 7-31-24 **Received By:** [signature] **Date:** 8/1/24

Leon Environmental Services

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

June 24, 2019

Keith McBride
Fresno County, Facility Services Dept
4590 E. Kings Canyon Rd.
Fresno, CA 93702

Re: Asbestos Bulk Samples
Fresno County Sheriff's Admin Office
2200 Fresno St.
Fresno, CA
Job No. C85-19

Dear Keith:

Attached are the asbestos sampling results for the above referenced building. This report includes conclusions, recommendations and bulk analysis results. If you have any questions or need additional information, please do not hesitate to call.

Thank you for using Leon Environmental Services. We look forward to working with you in the future.

Respectfully,

Tommy Leon
Certified Asbestos Consultant
Certification No. 05-3882

Sampling Site: Fresno County Sheriff's Admin Office
2200 Fresno St, Fresno, CA
C85-19

ASBESTOS ANALYSIS RESULTS

A total of **06** samples of suspect materials were collected by a state certified asbestos inspector the Fresno County Sheriff's admin office at **2200 Fresno St, Fresno, CA**. The sample collection areas were determined by the information given to the inspector by **Keith McBride of the County of Fresno** about the impending remodel/renovation that is planned for this building. Western Analytical Laboratory, Inc., a NVLAP accredited laboratory performed a total of **06** analyses from the **06** samples collected. The chain of custody from Leon Environmental Services and the report from Western Analytical contain a full list of all samples taken from this site.

Sample	Location	Material	% Of ACM	Friable
01	1st Floor Lobby IT Closet Ceiling Beam	Fireproofing	5-6%	Yes
02	1st Floor Lobby IT Closet Ceiling Beam	Fireproofing	5-6%	Yes
03	Basement Hallway Attic	Fireproofing Debris	5-6%	Yes
04	Basement Hallway Attic	Fireproofing Debris	5-6%	Yes
05	Basement Hallway Attic Beam	Fireproofing	5-6%	Yes
06	Basement Ceiling	White 1x1 Ceiling Tile	ND	

* Determined after composite sampling with associated sheetrock

COMMENTS AND RECOMMENDATIONS

Friable Asbestos

The Fireproofing (samples 01, 02, 03, 04, 05) located on the ceiling beams and in the attic is positive for asbestos at 5-6%.

These materials are considered ***friable hazardous ACM***. It is required that a licensed asbestos abatement contractor remove these materials prior to renovation and or demolition of this structure.

CONCLUSIONS AND REGULATIONS

Based on our survey, sampling and subsequent laboratory analysis and regulatory guidelines affecting this site, the types of ACM identified on this page require removal (in most cases) prior to demolition and/or renovation procedures to comply with local, state

and federal agencies. The US EPA NESHAP (40 CFR Part 61 – November 20, 1990) requires materials containing greater than one percent asbestos be removed prior to renovation or demolition. If those materials are friable or likely to become friable due to the forces expected to act upon them during renovation or demolition, they become a regulated asbestos containing material (RACM) and require a 10-day notification to the local Air Pollution Control District prior to abatement.

Cal/OSHA worker health and safety regulations apply during any disturbance of ACM by a person while in the employ of another. This is true regardless of friability or quantity disturbed. If there is greater than 100 square feet of ACM which will be affected by the demolition, a California Licensed Contractor who is registered with Cal/OSHA for asbestos is required. The regulations regarding asbestos are found in Title 8 CCR Section 1529, and also include formal notification requirements to Cal/OSHA at least 24 hours prior to removal. It is required that removal be conducted with the material kept in a wetted state to contain dust and hazardous emissions.

CAL OSHA--------Construction Industry--------8CCR, 1529

1. The construction industry standard covers employees engaged in demolition and construction, and the following related activities likely to involve asbestos exposure: removal, encapsulation, alteration, repair, maintenance, insulation, spill emergency cleanup, transportation, disposal and storage of ACM.

2. Demolition contractors typically require that a building owner/operator accept responsibility for removal of all ACM found during the building inspection prior to start of demolition activities.

3. Non-friable and non-regulated ACM, in most cases, may be disposed of as construction debris in a landfill that accepts ordinary construction debris. All friable waste containing more than 1% asbestos (RACM) should be manifested as hazardous waste for disposal purposes.

LIMITATIONS OF LIABILITY

Conclusions and recommendations presented in this report are qualitative judgments based on the prevailing regulations and accepted industry standards at the time of the report issuance. Leon Environmental Services provides no other guarantees, either expressed or implied. All quantities of materials listed herein are estimates for sampling purposes only, and should be verified by Owner representative or an abatement contractor prior to asbestos abatement.

The nature of demolition and asbestos abatement is such that materials can be uncovered which previously were unknown to exist. Therefore, Leon Environmental Services cannot be responsible for materials not previously detected due to lack of accessibility or concealment, although every effort was made during the inspection to detect all suspect materials. If any materials other than those included herein are

discovered during renovation or demolition, it must be assumed that the materials are asbestos containing, and should be treated accordingly until further testing and analysis is performed.

The data interpretations and recommendations are based solely on information available to Leon Environmental Services at the time of our inspection. The customer recognizes that site conditions or accessibility may vary, from those encountered at the time of our inspection and sample collection. Varying conditions or access could result in additional information that would lead us to revise conclusions and recommendations. Leon Environmental Services will not be responsible for the interpretation or use by others of information contained within this report.

Thomas M. Leon

Digitally signed by Thomas M. Leon
DN: cn=Thomas M. Leon, o=Leon Environmental Services, ou, email=LeonEnviro@comcast.net, c=US
Date: 2019.06.27 16:48:21 -07'00'

Thomas Leon
Certified Asbestos Consultant
Certification No. 05-3882

DATE:

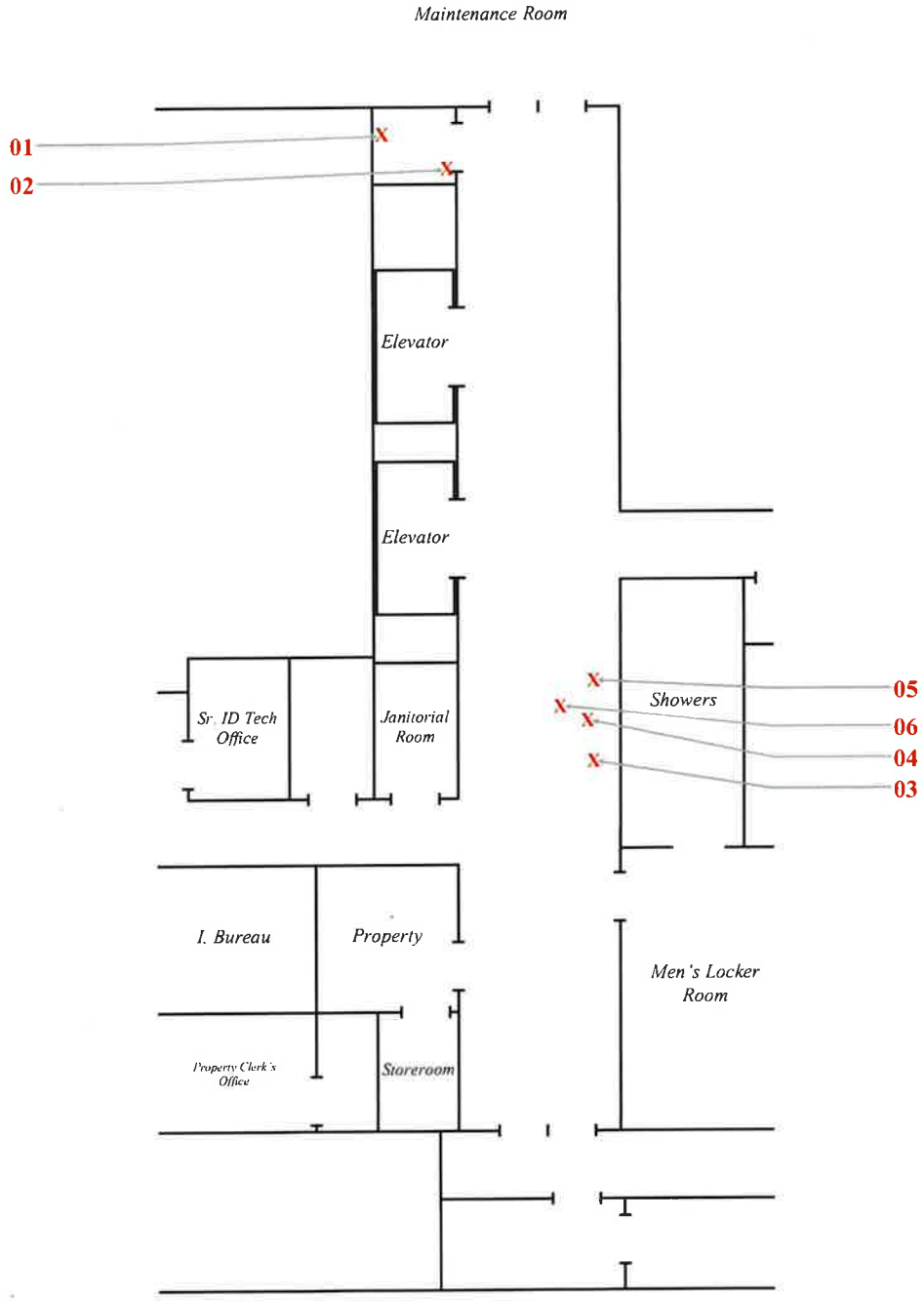
*Abbreviation Key:

Asbestos Containing Material — ACM (equal to or greater than 0.1% by weight)
Vinyl Asbestos Tile – VAT
No Asbestos Detected--N.A.D or N.D.
Homogeneous—H
Not Sampled--NS

Leon Environmental Services

Richard "Danny" Leon CAC Certification No. 04-3708
Tommy Leon CAC Certification No. 05-3882

Job C85-19 Sample Location Diagram
Fresno County Sheriff's Admin Office / 2200 Fresno St, Fresno, CA
Keith McBride / Fresno County, Facility Services Dept.
Drawing not to Scale



Y = Exterior Samples
X = Interior Samples
R = Roof Samples

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

N

Leon Environmental Services

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722 Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

138932

Customer: Keith McBride Company County of Fresno

Date: June 20, 2019 Job No. C85-19

Analysis (PLM) Turn Around: 2hr Rush Same Day (24hr) 48hr 3-5 days

Inspection Site : Sheriff's Admin Office, 2200 Fresno St, Fresno, CA

Sample No	Location	Material			Quantity
		Color	Type	Friable	
01	1st Floor Lobby IT Closet - Ceiling Beam		Fireproofing		
02	1st Floor Lobby IT Closet - Ceiling Beam		Fireproofing		
03	Basement Hallway - Attic		Fireproofing Debris		
04	Basement Hallway - Attic		Fireproofing Debris		
05	Basement Hallway - Attic Beam		Fireproofing		
06	Basement Ceiling	White	1x1 Ceiling Tile		

Relinquished By Tommy Lee Date 6-20-19

Received By [signature] Date 6/21/19

WESTERN ANALYTICAL LABORATORY, Inc.
TEST REPORT

NVLAP TESTING
NVLAP LAB CODE 200037

REPORT NO:	138-932	CLIENT:	Leon Environmental Services 4545 N. Brawley Ave., Suite 104 Fresno CA 93722
DATE COLLECTED:	June 20, 2019		
DATE RECEIVED:	June 21, 2019	ATTENTION:	Danny Leon (CAC# 04-3708)
DATE REQUIRED:	June 22, 2019	REFERENCE:	C85-19 Keith McBride – County of Fresno Sheriff's Admin. Office 2200 Fresno Street, Fresno, CA

SUBJECT: Polarized Light Microscopy Analysis for Asbestos; 6 samples

METHODOLOGY: "Method for the Determination of Asbestos in Bulk Building Materials" (EPA 600/R-93/116)*

ACCREDITED: National Institute of Standards and Technology (NVLAP) # 200037

SAMPLE ID NUMBER	SAMPLE LOCATION AND DESCRIPTION	NON-FIBROUS MATERIALS	OTHER FIBROUS MATERIALS	ASBESTIFORM MINERALS
01	1st Floor Lobby IT Closet – Ceiling Beam Fireproofing	Granular Minerals Organics Vermiculite	None Detected	Chrysotile 5-6%
02	1st Floor Lobby IT Closet – Ceiling Beam Fireproofing	Granular Minerals Organics Vermiculite	None Detected	Chrysotile 5-6%
03	Basement Hallway – Attic Fireproofing debris	Granular Minerals Organics Vermiculite	None Detected	Chrysotile 5-6%
04	Basement Hallway – Attic Fireproofing debris	Granular Minerals Organics Vermiculite	None Detected	Chrysotile 5-6%
05	Basement Hallway – Attic Beam Fireproofing	Granular Minerals Organics Vermiculite	None Detected	Chrysotile 5-6%
06	Basement Ceiling White 1x1 Ceiling tile	Granular Minerals Organics	Glass Wool 70% Cellulose 1-2%	None Detected

t: Trace (>1% = greater than 1%, <1% = less than 1%)

Optical Microscopist

Mike Maladzhikyan, Laboratory Director

This report only applies to the sample(s) tested. This report must not be reproduced except in full, unless approved by Western Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Western Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

WESTERN ANALYTICAL LABORATORY, Inc.
12734 Branford St. Suite #19, Arleta, CA 91331 • Tel: (818) 899-0949 • Email: WesternAnalytical@gmail.com

Leon Environmental Services

Richard "Danny" Leon CAC # 04-3708
Tommy Leon CAC # 05-3882

September 20, 2022

Marshall Smith
Fresno County, Facility Services Dept.
4590 E. Kings Canyon Rd.
Fresno, CA 93702
Email: msmith@fresnocountyca.gov

Re: Asbestos Bulk Sample Report
South Annex Jail, Courtyard Grass
2280 Fresno St, Fresno, CA
LES Job No. B219-22

Dear Marshall,

Attached are the asbestos sampling results for the above referenced building. The report includes inspection observations, a list of all samples taken, bulk sample analysis results, a sample location diagram and recommendations concerning asbestos containing materials identified at this site. If you have any questions or need additional information, please do not hesitate to call.

Thank you for using Leon Environmental Services. We look forward to working with you in the future.

Respectfully,

Richard Danny Leon

Digitally signed by Richard Danny Leon
Date: 2022.09.27 16:22:17 -07'00'

Richard "Danny" Leon
Certified Asbestos Consultant
Certification No. 04-3708

ASBESTOS ANALYSIS RESULTS

A total of 07 samples of suspect asbestos containing materials were collected from the under the grass of the courtyard on the south side of the South Annex Jail and the concrete basement parking structure below at 2280 Fresno St, Fresno, CA by Leon Environmental Services. The suspect materials sampled and sample collection areas at this site were determined by the information given to Leon Environmental Services by Marshall Smith of the Fresno County Facilities services Department. All bulk samples of suspect asbestos containing materials were taken in accordance with US EPA Guidelines and accepted industry standards. McCall and Spero Environmental, Inc., a NVLAP accredited laboratory performed a total of 04 analyses from the 04 samples of suspect ACM collected from this site. The samples listed on the following table were positive for asbestos. The full list of all samples taken is on the following pages.

#	Location	Material	%	Friable	Sq.Ft
01	Under Grass	Black Membrane/Liner	3	No	NQ

NQ – Not Quantified.

COMMENTS AND RECOMMENDATIONS

The black membrane/liner (sample 01) on the concrete under the courtyard grass is positive for asbestos at 3% by weight. This material is considered ***non-hazardous non-friable ACM*** and can be disposed of as construction waste in most cases after properly being abated. It is required that a licensed asbestos abatement contractor remove this material prior to concrete replacement and or structure demolition. The quantity of this material is uncertain as it is buried and not all the uncovered concrete had this membrane on it (see attached Picture).

CONCLUSIONS AND REGULATIONS

US EPA NESHAP 40 CFR Part 61

Based on our inspection, sampling and subsequent laboratory analysis, in addition to regulatory guidelines affecting this site, the types of ACM identified in this report require removal (in most cases) prior to demolition and/or renovation procedures to comply with local, state and federal agencies. **The US EPA NESHAP (40 CFR Part 61 – November 20, 1990) requires materials containing greater than one percent asbestos be removed prior to renovation or demolition.**

If those materials are friable or likely to become friable due to the forces expected to act upon them during renovation or demolition, they become a regulated asbestos containing material (RACM) and require a 10-day notification

to the local Air Pollution Control District prior to abatement. Non-friable and non-regulated ACM, in most cases, may be disposed of as construction debris in a landfill which accepts ordinary construction debris. All friable waste containing more than 1% asbestos (RACM) should be manifested as hazardous waste for disposal purposes.

CAL OSHA--------Construction Industry--------8CCR, 1529

The construction industry standard covers employees engaged in demolition, construction and the following related activities likely to involve asbestos exposure: removal, encapsulation, alteration, repair, maintenance, insulation, spill emergency cleanup, transportation, disposal and storage of ACM. **CAL OSHA worker health and safety regulations apply during any disturbance of ACM by a person while in the employ of another.** This is true regardless of friability or quantity disturbed.

If there is greater than 100 square feet of ACM which will be affected by the demolition, a California Licensed Contractor who is registered with CAL OSHA for asbestos is required. The regulations regarding asbestos are found in Title 8 CCR Section 1529, and also include formal notification requirements to CAL OSHA at least 24 hours prior to removal. It is required that removal be conducted with the material(s) kept in a wetted state in order to contain dust and hazardous emissions.

Demolition contractors typically require that a building owner/operator accept responsibility for removal of all ACM found during the building inspection prior to start of demolition activities.

LIMITATIONS OF LIABILITY

Conclusions and recommendations presented in this report are qualitative judgments based on the prevailing regulations and accepted industry standards at the time of the report issuance. Leon Environmental Services provides no other guarantees, either expressed or implied. All quantities of materials listed herein are estimates for sampling purposes only and should be verified by Owner representative or an abatement contractor prior to asbestos abatement.

The nature of demolition and asbestos abatement is such that materials can be uncovered which previously were unknown to exist. Therefore, Leon Environmental Services cannot be responsible for materials not previously detected due to lack of accessibility or concealment, although every effort was made during the inspection to detect all suspect materials. If any materials other than those included herein are discovered during renovation or demolition, it must be assumed that the materials are asbestos containing and should be treated accordingly until further testing and analysis is performed.

The data interpretations and recommendations are based solely on information available to Leon Environmental Services at the time of our inspection. The customer recognizes that site conditions or accessibility may vary from those encountered at the time of our inspection and sample collection. Varying conditions or access could result in additional information that would lead us to revise conclusions and recommendations. Leon Environmental Services will not be responsible for the interpretation or use by others of information contained within this report.

Richard Danny Leon

Digitally signed by Richard Danny Leon
Date: 2022.09.27 16:22:43 -07'00'

Richard "Danny" Leon
Certified Asbestos Consultant
Certification No. 04-3708

Date

*Abbreviation Key:
Asbestos Containing Material – ACM (Contains greater than 1% asbestos by weight)
Asbestos Containing Construction Material – ACCM (Contains less than 1% asbestos by weight)
Vinyl Asbestos Tile – VAT
No Asbestos Detected – N.A.D or N.D.
Homogeneous – H
Not Sampled – NS
Not Quantified – NQ

Leon Environmental Services
Asbestos Bulk Sample Report B219-22
South Annex Jail, Courtyard Grass
2280 Fresno St, Fresno, CA



4545 N. Brawley Ave, Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: leonenviro@comcast.net

McCall and Spero
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Williamson Court • Suite 100 • Louisville, KY 40223
Phone (502) 244-7135 • FAX (502) 244-7136
E-mail: customerservice@mselabs.com • Website: www.mselabs.com

Date: September 19, 2022

Attention: Tommy Leon
Leon Environmental

Subject: Analysis of bulk samples for asbestos mineral fibers by Polarized Light Microscopy (PLM) with Dispersion Staining (EPA/600/R-93/116)

RE: MSE-P9162LEO
Marshall Smith: Fresno County Facilities Services; Hall of Records Parking / Courthouse Grass Project
LEO# B219-22

Dear Mr. Leon:

McCall & Spero Environmental, Inc. has completed the analysis of the bulk samples we received from your offices on September 16, 2022. These samples represent the bulk samples from the Marshall Smith: Fresno County Facilities Services; Hall of Records Parking / Courthouse Grass Project.

The PLM bulk analysis was performed according to the "Method of the Determination of Asbestos in Bulk Building Materials", R. L. Perkins and B. W. Harvey (EPA/600/R-93/116).

The results for the four (4) samples are summarized in the following report. Please note that for samples consisting of two or more distinct components, each component is analyzed and reported individually (EPA 40 CFR Part 61 [FRL-4821-71]).

Thank you for consulting McCall & Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

Kevin R. Bean, B.A.
PLM Laboratory Director

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SUMMARY OF PLM BULK ANALYSIS RESULTS

Project Name: Marshall Smith: Fresno County Facilities Services; Hall of Records Parking / Courthouse Grass Project

McCall & Spero Environmental Project No. MSE-P9162LEO

MSE # P9162LEO	SAMPLE # DESCRIPTION	ASBESTOS TYPE & %	OTHER FIBROUS MATERIAL & %	% NON-FIBROUS MATERIAL	COLOR
001	01 Membrane / Liner	CH / 3%	Cellulose / 17% Glass / 15%	65%	Black
002	02 Insulation	ND	Cellulose / 80%	20%	Brown / Black
003	03 Concrete	ND	Cellulose / 2%	98%	Gray
004	04 Tar / Membrane	ND	Cellulose / 20%	80%	Black

NOTES:

ND = None Detected CH = Chrysotile A = Amosite AC = Actinolite
CR = Crocidolite AN = Anthophyllite TR = Tremolite

For samples consisting of separate components, each component is analyzed and reported separately.

Results apply only to items tested. Quantification is accurate to within ± 10%. Results from this report must not be reproduced, except in full, with the approval of McCall & Spero Environmental, Inc. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

** EPA recommends that bulk materials found negative for asbestos or less than one percent asbestos by polarized light microscopy that fall into one of five dominantly nonfriable categories be reanalyzed by an additional method, such as transmission electron microscopy. (EPA Notice of Advisory, FR Vol. 59, No. 146 & Test Method EPA 600/ R-93/ 116).

Analyst: Kevin R. Bean, B.A.

McCall & Spero Environmental, Inc.

Leon Environmental Services

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722 Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

Customer: MARSHAL SMITH Company FRESNO COUNTY FACILITIES SERVICES

Date: 9/15/22 Job No. B219.22

Analysis PLM Turn Around: Rush (Next Day) 2-3 Day 4-5 days

Inspection Site : Hall of Records Parking / Courthouse Grass

Sample No	Location	Material: Color	Material: Type	Material: Friable	Quantity
01	UNDER GRASS	Black	MEMBRANE / LINER		
02	" "		INSULATION		
03	" "		CONCRETE		
04	" " Lower Concrete		TAR / MEMBRANE		

Relinquished By [signature] Date 9/15/22

Received By [signature] Date 9/16/22

McCall and Spero

Williamson Court • Suite 100 • Louisville, KY 40223
Phone (502) 244-7135 • FAX (502) 244-7136

Specialists in Microanalysis

E-mail: customerservice@mselabs.com • Website: www.mselabs.com

Date: September 26, 2022

Attention: Tommy Leon
Leon Environmental Services

Subject: Analysis of bulk samples for asbestos mineral fibers by Polarized Light Microscopy (PLM) with Dispersion Staining (EPA/600/R-93/116)

RE: MSE-P9232LEO
Marshall Smith - Fresno County Facilities Services - Hall of Records; Courthouse Underground Parking Project
LEO# B219-22

Dear Mr. Leon:

McCall & Spero Environmental, Inc. has completed the analysis of the bulk samples we received from your offices on September 23, 2022. These samples represent the bulk samples from the Marshall Smith - Fresno County Facilities Services - Hall of Records; Courthouse Underground Parking Project.

The PLM bulk analysis was performed according to the "Method of the Determination of Asbestos in Bulk Building Materials", R. L. Perkins and B. W. Harvey (EPA/600/R-93/116).

The results for the three (3) samples are summarized in the following report. Please note that for samples consisting of two or more distinct components, each component is analyzed and reported individually (EPA 40 CFR Part 61 [FRL-4821-71]).

Thank you for consulting McCall & Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

Kevin R. Bean, B.A.
PLM Laboratory Director

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NVLAP LAB CODE 101656-0

SUMMARY OF PLM BULK ANALYSIS RESULTS

Project Name: Marshall Smith - Fresno County Facilities Services - Hall of Records; Courthouse Underground Parking Project
McCall & Spero Environmental Project No. MSE-P9232LEO

MSE # P9232LEO	SAMPLE # DESCRIPTION	ASBESTOS TYPE & %	OTHER FIBROUS MATERIAL & %	% NON-FIBROUS MATERIAL	COLOR
001	05 Concrete	ND	Cellulose / 2%	98%	Gray
002	06 Concrete	ND	Cellulose / 2%	98%	Gray
003	07 Concrete	ND	Cellulose / 2%	98%	Gray

NOTES:

ND = None Detected CH = Chrysotile A = Amosite AC = Actinolite
CR = Crocidolite AN = Anthophyllite TR = Tremolite

For samples consisting of separate components, each component is analyzed and reported separately.

Results apply only to items tested. Quantification is accurate to within ± 10%. Results from this report must not be reproduced, except in full, with the approval of McCall & Spero Environmental, Inc. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

** EPA recommends that bulk materials found negative for asbestos or less than one percent asbestos by polarized light microscopy that fall into one of five dominantly nonfriable categories be reanalyzed by an additional method, such as transmission electron microscopy. (EPA Notice of Advisory, FR Vol. 59, No. 146 & Test Method EPA 600/ R-93/ 116).

Analyst: Kevin R. Bean, B.A.

McCall & Spero Environmental, Inc.

Leon Environmental Services

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722 Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

Customer: MARSHALL SMITH Company FRESNO COUNTY FACILITIES SERVICES

Date: 9/21/22 Job No. B219-22

Analysis PLM Turn Around: Rush (NEXT DAY)

Inspection Site: Hall of Records / COURTHOUSE UNDERGROUND PARKING

Sample No	Location	Material			Quantity
		Color	Type	Friable	
05	Level B1 Pillar at top of Ramp to B2		CONCRETE		
06	Level B1 Pillar P-6 By 218		CONCRETE		
07	Level B1 S. W. WALL By STAIRWELL ENTRANCE		CONCRETE		

Relinquished By [signature] Date 9/21/22

Received By [signature] Date 9/23/22

Leon Environmental Services

Richard "Danny" Leon CAC # 04-3708
Tommy Leon CAC # 05-3882

April 6, 2023

Marshall Smith
Fresno County, Facility Services Dept.
4590 E. Kings Canyon Rd.
Fresno, CA 93702

Re: Asbestos Bulk Sample Report
South Annex Jail
2204 Fresno St, Fresno, CA
LES Job No. B84-23

Dear Marshall,

Attached are the asbestos sampling results for the above referenced building. This report includes conclusions, recommendations, and bulk analysis results. If you have any questions or need additional information, please do not hesitate to call.

Thank you for using Leon Environmental Services. We look forward to working with you in the future.

Respectfully,

Christopher Cabral Digitally signed by Christopher Cabral
Date: 2023.04.06 15:09:18 -07'00'

Christopher Cabral
Certified Asbestos Consultant
Certification No. 22-7151

4545 N. Brawley Ave, Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: leonenviro@comcast.net

Leon Environmental Services
Asbestos Bulk Sample Report B84-23
South Annex Jail, 2204 Fresno St, Fresno, CA

ASBESTOS ANALYSIS RESULTS

A total of 4 samples of suspect ACM were collected from the Chaplain's office on the 2nd floor of the **South Annex Jail at 2204 Fresno St, Fresno, CA** by Leon Environmental Services. The suspect materials sampled and sample collection areas at this site were determined by the information given to Leon Environmental Services by Marshall Smith of the County of Fresno about the impending work that is planned for this building. All bulk samples of suspect ACM were taken in accordance with US EPA Guidelines and accepted industry standards. McCall and Spero Environmental, Inc., a NVLAP accredited laboratory performed a total of 7 analyses from the 4 samples of suspect ACM collected from this site. The full list of all samples taken is on the following pages.

COMMENTS AND RECOMMENDATIONS

All samples collected were NEGATIVE for Asbestos.

CONCLUSIONS AND REGULATIONS

US EPA NESHAP 40 CFR Part 61

Based on our inspection, sampling and subsequent laboratory analysis, in addition to regulatory guidelines affecting this site, **NO ACM was identified**. ACM's require removal (in most cases) prior to demolition and/or renovation procedures to comply with local, state and federal agencies. The US EPA NESHAP (40 CFR Part 61 – November 20, 1990) requires materials containing greater than one percent asbestos be removed prior to renovation or demolition. If those materials are friable or likely to become friable due to the forces expected to act upon them during renovation or demolition, they become a regulated asbestos containing material (RACM) and require a 10-day notification to the local Air Pollution Control District prior to abatement.

CAL OSHA--------Construction Industry--------8CCR, 1529

The construction industry standard covers employees engaged in demolition, construction and the following related activities likely to involve asbestos exposure: removal, encapsulation, alteration, repair, maintenance, insulation, spill emergency cleanup, transportation, disposal and storage of ACM. CAL OSHA worker health and safety regulations apply during any disturbance of ACM by a person while in the employ of another. This is true regardless of friability or quantity disturbed. If there is greater than 100 square feet of ACM which will be affected by the demolition, a California Licensed Contractor who is registered with CAL OSHA for asbestos is required.

4545 N. Brawley Ave, Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: leonenviro@comcast.net

LIMITATIONS OF LIABILITY

The nature of demolition and asbestos abatement is such that materials can be uncovered which previously were unknown to exist. Therefore, Leon Environmental Services cannot be responsible for materials not previously detected due to lack of accessibility or concealment, although every effort was made during the inspection to detect all suspect materials. If any materials other than those included herein are discovered during renovation or demolition, it must be assumed that the materials are asbestos containing and should be treated accordingly until further testing and analysis is performed.

The data interpretations and recommendations are based solely on information available to Leon Environmental Services at the time of our inspection. The customer recognizes that site conditions or accessibility may vary from those encountered at the time of our inspection and sample collection. Varying conditions or access could result in additional information that would lead us to revise conclusions and recommendations.

Leon Environmental Services will not be responsible for the interpretation or use by others of information contained within this report. Conclusions and recommendations presented in this report are qualitative judgments based on the prevailing regulations and accepted industry standards at the time of the report issuance. Leon Environmental Services provides no other guarantees, either expressed or implied.

Christopher Cabral Digitally signed by Christopher Cabral
Date: 2023.04.06 15:09:38 -07'00'

Christopher Cabral — Date
Certified Asbestos Consultant
Certification No. 22-7151

*Abbreviation Key:
Asbestos Containing Material – ACM (Contains greater than 1% asbestos by weight)
Asbestos Containing Construction Material – ACCM (Contains less than 1% asbestos by weight)
Vinyl Asbestos Tile – VAT
No Asbestos Detected – N.A.D or N.D.
Homogeneous – H
Not Sampled – NS

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Date: April 6, 2023

Attention: Tommy Leon
Leon Environmental Services

Subject: Analysis of bulk samples for asbestos mineral fibers by Polarized Light Microscopy (PLM) with Dispersion Staining (EPA/600/R-93/116)

RE: MSE-P463LEO
Marshall Smith, Facility Services Dept. of Fresno County - South Annex Jail: 2204 Fresno St; Fresno, CA Project
LEO# B84-23

Dear Mr. Leon:

McCall & Spero Environmental, Inc. has completed the analyses of the bulk sample we received from your offices on April 6, 2023. This sample represents the bulk sample from the Marshall Smith, Facility Services Dept. of Fresno County - South Annex Jail: 2204 Fresno St; Fresno, CA Project.

The PLM bulk analysis was performed according to the "Method of the Determination of Asbestos in Bulk Building Materials", R. L. Perkins and B. W. Harvey (EPA/600/R-93/116).

The results for the seven (7) samples are summarized in the following report. Please note that for samples consisting of two or more distinct components, each component is analyzed and reported individually (EPA 40 CFR Part 61 [FRL-4821-71]).

Thank you for consulting McCall & Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

Kevin R. Bean, B.A.
PLM Laboratory Director

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NVLAP LAB CODE 101895-0

SUMMARY OF PLM BULK ANALYSIS RESULTS

Project Name: Marshall Smith, Facility Services Dept. of Fresno County - South Annex Jail: 2204 Fresno St; Fresno, CA Project
McCall & Spero Environmental Project No. MSE-P463LEO

MSE # P463LEO	SAMPLE # DESCRIPTION	ASBESTOS TYPE & %	OTHER FIBROUS MATERIAL & %	% NON-FIBROUS MATERIAL	COLOR
001	01 Base Cove Mastic	ND	Cellulose / 2%	98%	Beige
002 (A)	02 (A) Color Coat	ND	Cellulose / 2%	98%	White
002 (B)	02 (B) Plaster	ND	Cellulose / 2%	98%	Gray
003 (A)	03 (A) Color Coat	ND	Cellulose / 2%	98%	White
003 (B)	03 (B) Plaster	ND	Cellulose / 2%	98%	Gray
004 (A)	04 (A) Color Coat	ND	Cellulose / 2%	98%	White
004 (B)	04 (B) Plaster	ND	Cellulose / 2%	98%	Gray

SUMMARY OF PLM BULK ANALYSIS RESULTS

NOTES:

ND = None Detected	CH = Chrysotile	A = Amosite	AC = Actinolite
CR = Crocidolite	AN = Anthophyllite	TR = Tremolite	

For samples consisting of separate components, each component is analyzed and reported separately.

Results apply only to items tested. Quantification is accurate to within ± 10%. Results from this report must not be reproduced, except in full, with the approval of McCall & Spero Environmental, Inc. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

** EPA recommends that bulk materials found negative for asbestos or less than one percent asbestos by polarized light microscopy that fall into one of five dominantly nonfriable categories be reanalyzed by an additional method, such as transmission electron microscopy. (EPA Notice of Advisory, FR Vol. 59, No. 146 & Test Method EPA 600/ R-93/ 116).

Analyst: Kevin R. Bean, B.A. 

Leon Environmental Services

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722 Phone: (559) 274-9200 Fax: (559) 274-9240 Email: Leonenviro@comcast.net

Customer: Marshall Smith **Company:** Fresno County, Facility Services Dept.

Date: April 5, 2023 **Job No:** B84-23

Analysis: PLM **Turn Around:** (RUSH) Same Day Next Day 2-3 Days 4-5 Days

Inspection Site: South Annex Jail, 2204 Fresno St, Fresno, CA

Sample No.	Location	Material		Quantity
		Color	Type	
01	2nd Floor Chaplain's Office Wall		Base Cove Mastic	
02	2nd Floor Chaplain's Office Wall		Color Coat	
	2nd Floor Chaplain's Office Wall	Grey	Plaster	
03	2nd Floor Chaplain's Office Wall		Color Coat	
	2nd Floor Chaplain's Office Wall	Grey	Plaster	
04	2nd Floor Chaplain's Office Wall Patch		Color Coat	
	2nd Floor Chaplain's Office Wall Patch	White	Plaster	

Relinquished By: Christ CH **Date:** 4-5-23 **Received By:** [signature] **Date:** 4/6/23

McCall and Spero
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Specialists in Microanalysis

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E-mail: customerservice@mselabs.com • Website: www.mselabs.com

Date: March 15, 2024

Attention: Tommy Leon
Leon Environmental Services

Subject: Analysis of bulk samples for asbestos mineral fibers by Polarized Light Microscopy (PLM) with Dispersion Staining (EPA/600/R-93/116)

RE: MSE-P3134LEO.1
Mike Bowman, Fresno County, Maintenance Services Dept. - South Annex Jail: 2280 Fresno St; Fresno, CA Project
LEO# B56-24

Dear Mr. Leon:

McCall & Spero Environmental, Inc. has completed the analysis of the bulk samples we received from your offices on March 13, 2024. These samples represent the bulk samples from the Mike Bowman, Fresno County, Maintenance Services Dept. - South Annex Jail: 2280 Fresno St; Fresno, CA Project.

The PLM bulk analysis was performed according to the "Method of the Determination of Asbestos in Bulk Building Materials", R. L. Perkins and B. W. Harvey (EPA/600/R-93/116).

The results for the four (4) samples are summarized in the following report. Please note that for samples consisting of two or more distinct components, each component is analyzed and reported individually (EPA 40 CFR Part 61 [FRL-4821-71]).

Thank you for consulting McCall & Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

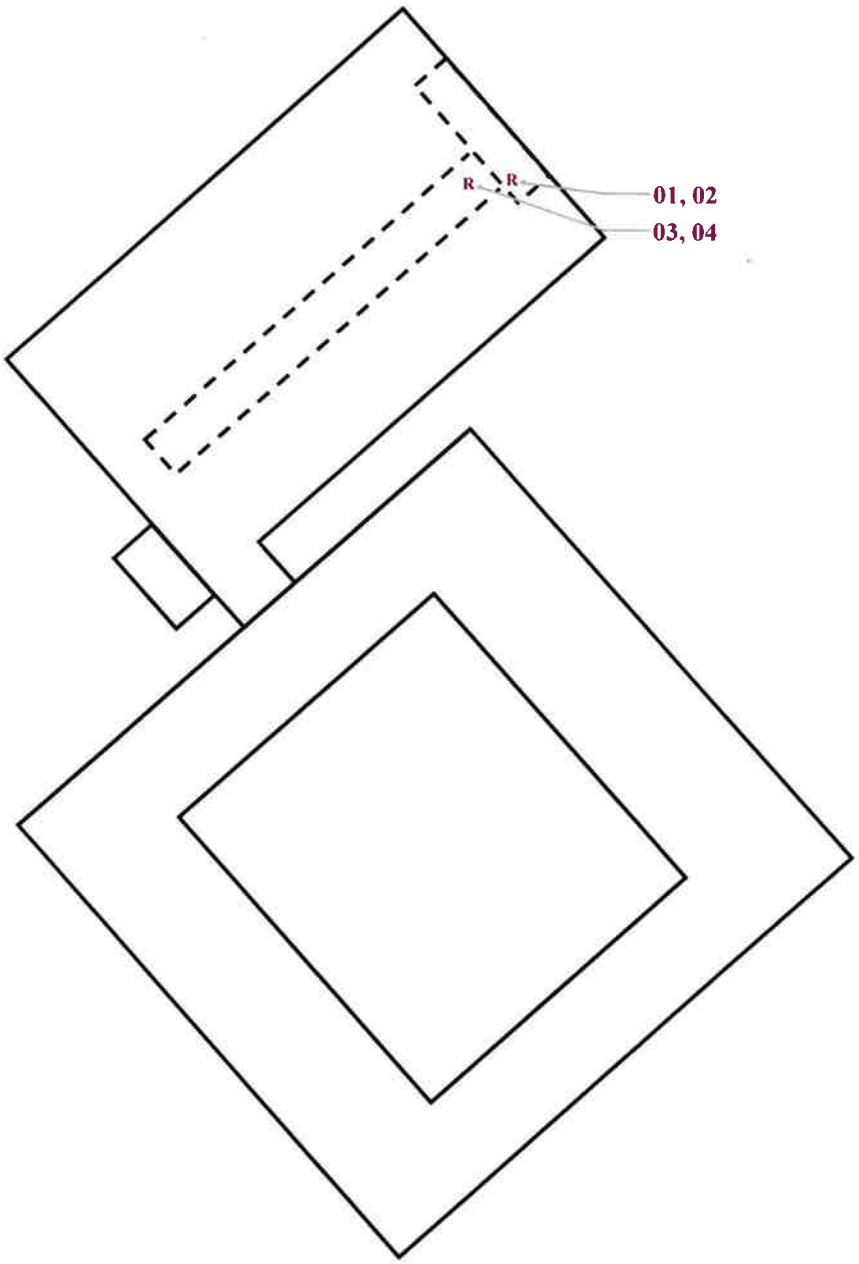
Kevin R. Bean, B.A.
PLM Laboratory Director

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NVLAP LAB CODE 101895-0

Leon Environmental Services

Richard "Danny" Leon CAC Certification No. 04-3708
Tommy Leon CAC Certification No. 05-3882

Job B56-24 Sample Location Diagram
South Annex Jail / 2280 Fresno St, Fresno, CA
Mike Bowman / Fresno County, Maintenance Services Dept.
Drawing Not to Scale



X = Interior Samples
Y = Exterior Samples
R = Roof Samples

N

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

Leon Environmental Services

Richard "Danny" Leon CAC # 04-3708
Tommy Leon CAC # 05-3882

February 29, 2024

Mike Bowman
Fresno County, Maintenance Services Dept.
4590 E. Kings Canyon Rd.
Fresno, CA 93702

Re: Asbestos Bulk samples
South Annex Jail
2280 Fresno St.
Fresno, CA
Job No. B50-24

Dear Mike:

Attached are the asbestos sampling results for the above referenced building. This report includes conclusions, recommendations and bulk analysis results. If you have any questions or need additional information, please do not hesitate to call.

Thank you for using Leon Environmental Services. We look forward to working with you in the future.

Respectfully,

Christopher Cabral Digitally signed by Christopher Cabral
Date: 2024.03.04 11:14:04 -08'00'

Christopher Cabral
Certified Asbestos Consultant
Certification No. 22-7151

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@leonenviro.com

Sampling Site: South Annex Jail, 2280 Fresno St, Fresno, CA B50-24

ASBESTOS ANALYSIS RESULTS

A total of 3 samples of suspect materials were collected by a state certified asbestos inspector at 2280 Fresno St, Fresno, CA. The sample collection areas were determined by the information given to the inspector by Mike Bowman of the County of Fresno about the impending remodel/renovation that is planned for this building. McCall and Spero Environmental, Inc., a NVLAP accredited laboratory performed a total of 6 analyses from the 3 samples collected. The chain of custody from Leon Environmental Services and the report from McCall and Spero contains a full list of all samples taken from this site.

Samples Negative for Asbestos

Sample	Location	Material	% Of ACM	Friable
01, 02, 03	Penthouse, Pipe Elbow	Canvas	ND	
		Styrofoam	ND	

COMMENTS AND RECOMMENDATIONS

All samples of suspect materials from the selected areas of this site were negative for asbestos.

CONCLUSIONS AND REGULATIONS

Based on our survey, sampling and subsequent laboratory analysis and regulatory guidelines affecting this site, the types of ACM identified on this page require removal (in most cases) prior to demolition and/or renovation procedures to comply with local, state and federal agencies. The US EPA NESHAP (40 CFR Part 61 – November 20, 1990) requires materials containing greater than one percent asbestos be removed prior to renovation or demolition. If those materials are friable or likely to become friable due to the forces expected to act upon them during renovation or demolition, they become a regulated asbestos containing material (RACM) and require a 10-day notification to the local Air Pollution Control District prior to abatement.

Non-friable and non-regulated ACM, in most cases, may be disposed of as a Non-Hazardous waste in a landfill that accepts Asbestos Containing Materials. All friable waste containing more than 1% asbestos (RACM) must be manifested as hazardous waste for disposal purposes.

CAL OSHA--------Construction Industry--------8CCR, 1529

Cal/OSHA worker health and safety regulations apply during any disturbance of ACM by a person while in the employ of another. This is true regardless of friability or quantity disturbed. If there is greater than 100 square feet of ACM which will be affected by the demolition, a California Licensed Contractor who is registered with Cal/OSHA for

asbestos is required. The regulations regarding asbestos are found in Title 8 CCR Section 1529, and also include formal notification requirements to Cal/OSHA at least 24 hours prior to removal. It is required that removal be conducted with the material kept in a wetted state to contain dust and hazardous emissions.

The construction industry standard covers employees engaged in demolition and construction, and the following related activities likely to involve asbestos exposure: removal, encapsulation, alteration, repair, maintenance, insulation, spill emergency cleanup, transportation, disposal and storage of ACM.

Demolition contractors typically require that a building owner/operator accept responsibility for removal of all ACM found during the building inspection prior to start of demolition activities.

LIMITATIONS OF LIABILITY

Conclusions and recommendations presented in this report are qualitative judgments based on the prevailing regulations and accepted industry standards at the time of the report issuance. Leon Environmental Services provides no other guarantees, either expressed or implied. All quantities of materials listed herein are estimates for sampling purposes only, and should be verified by Owner representative or an abatement contractor prior to asbestos abatement.

The nature of demolition and asbestos abatement is such that materials can be uncovered which previously were unknown to exist. Therefore, Leon Environmental Services cannot be responsible for materials not previously detected due to lack of accessibility or concealment, although every effort was made during the inspection to detect all suspect materials. If any materials other than those included herein are discovered during renovation or demolition, it must be assumed that the materials are asbestos containing, and should be treated accordingly until further testing and analysis is performed.

The data interpretations and recommendations are based solely on information available to Leon Environmental Services at the time of our inspection. The customer recognizes that site conditions or accessibility may vary, from those encountered at the time of our inspection and sample collection. Varying conditions or access could result in additional information that would lead us to revise conclusions and recommendations. Leon Environmental Services will not be responsible for the interpretation or use by others of information contained within this report.

Christopher Cabral Digitally signed by Christopher Cabral
Date: 2024.03.04 11:14:47 -08'00'

Christopher Cabral
Certified Asbestos Consultant
Certification No. 22-7151

DATE:

Sampling Site: South Annex Jail, 2280 Fresno St, Fresno, CA B50-24

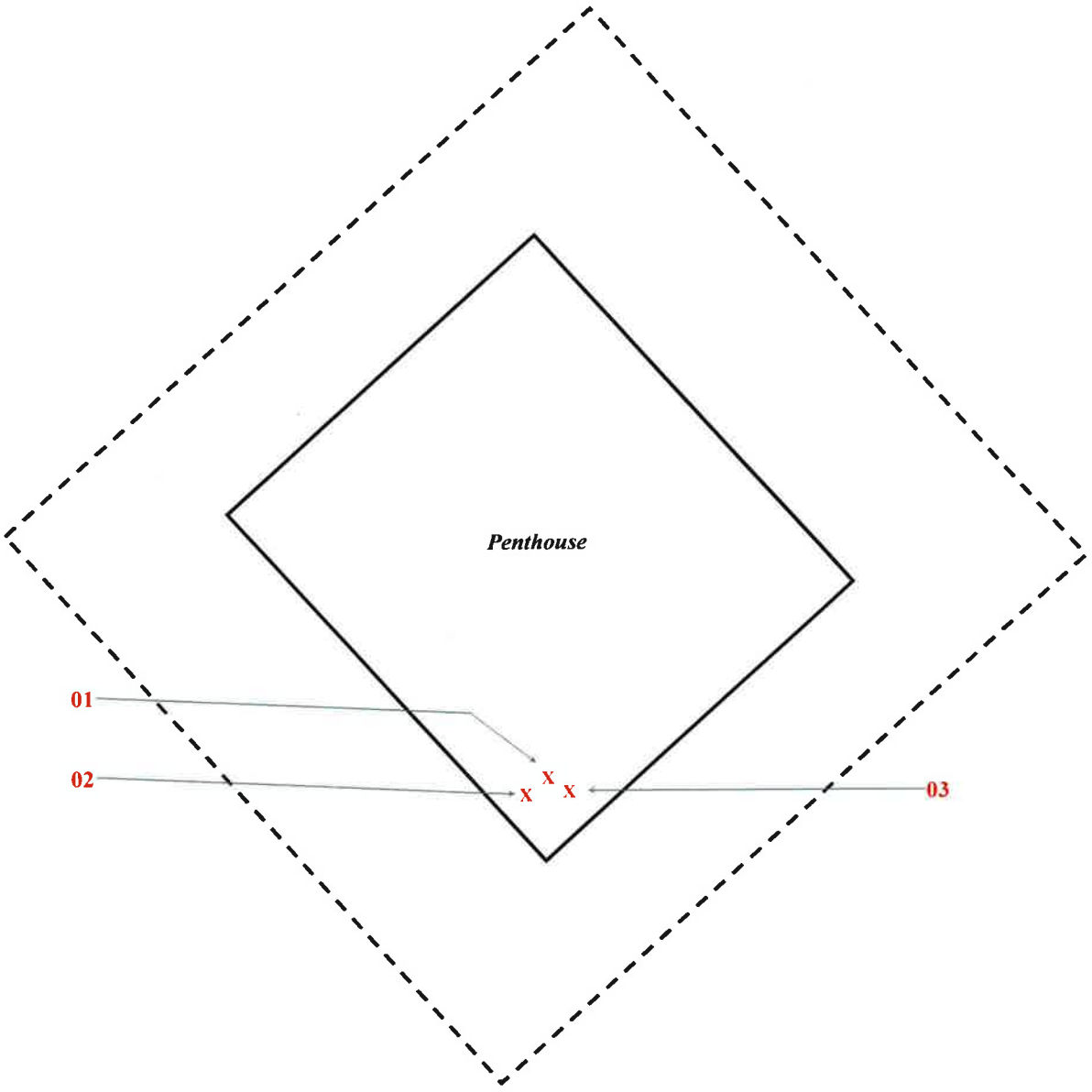
*Abbreviation Key:

Asbestos Containing Material — ACM (equal to or greater than 0.1% by weight)
Vinyl Asbestos Tile – VAT
No Asbestos Detected--N.A.D or N.D.
Homogeneous—H
Not Sampled--NS

Leon Environmental Services

Richard "Danny" Leon CAC Certification No. 04-3708
Tommy Leon CAC Certification No. 05-3882

Job B50-24 / Sample Location Diagram
South Annex Jail / 2280 Fresno St, Fresno, CA
Mike Bowman / Fresno County, Maintenance Services Dept.
Drawing not to Scale



Y = Exterior Samples
X = Interior Samples
R = Roof Samples

N

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@leonenviro.com

McCall and Spero
Environmental, Inc.
Specialists in Microanalysis

1831 Williamson Court • Suite 100 • Louisville, KY 40223
Phone (502) 244-7135 • FAX (502) 244-7136
E-mail: customerservice@mselabs.com • Website: www.mselabs.com

Date: February 29, 2024

Attention: Tommy Leon
Leon Environmental Services

Subject: Analysis of bulk samples for asbestos mineral fibers by Polarized Light Microscopy (PLM) with Dispersion Staining (EPA/600/R-93/116)

RE: MSE-P2294LEO.2
Mike Bowman, Fresno County, Maintenance Services Dept. - South Annex Jail: 2280 Fresno St; Fresno, CA Project
LEO# B50-24

Dear Mr. Leon:

McCall & Spero Environmental, Inc. has completed the analysis of the bulk samples we received from your offices on February 29, 2024. These samples represent the bulk samples from the Mike Bowman, Fresno County, Maintenance Services Dept. - South Annex Jail: 2280 Fresno St; Fresno, CA Project.

The PLM bulk analysis was performed according to the "Method of the Determination of Asbestos in Bulk Building Materials", R. L. Perkins and B. W. Harvey (EPA/600/R-93/116).

The results for the six (6) samples are summarized in the following report. Please note that for samples consisting of two or more distinct components, each component is analyzed and reported individually (EPA 40 CFR Part 61 [FRL-4821-71]).

Thank you for consulting McCall & Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

Kevin R. Bean, B.A.
PLM Laboratory Director

NVLAP®
TESTING
NVLAP LAB CODE 101895-0

SUMMARY OF PLM BULK ANALYSIS RESULTS

Project Name: Mike Bowman, Fresno County, Maintenance Services Dept. - South Annex Jail: 2280 Fresno St; Fresno, CA Project
McCall & Spero Environmental Project No. MSE-P2294LEO.2

MSE # P2294LEO.2	SAMPLE # DESCRIPTION	ASBESTOS TYPE & %	OTHER FIBROUS MATERIAL & %	% NON-FIBROUS MATERIAL	COLOR
001 (A)	01 (A) Canvas	ND	Cellulose / 10% Synthetics / 10%	80%	Tan
001 (B)	01 (B) Styrofoam	ND	Synthetics / 80%	20%	White
002 (A)	02 (A) Canvas	ND	Cellulose / 10% Synthetics / 10%	80%	Tan
002 (B)	02 (B) Styrofoam	ND	Synthetics / 80%	20%	White
003 (A)	03 (A) Canvas	ND	Cellulose / 10% Synthetics / 10%	80%	Tan
003 (B)	03 (B) Styrofoam	ND	Synthetics / 80%	20%	White

NOTES:

ND = None Detected CH = Chrysotile A = Amosite AC = Actinolite
CR = Crocidolite AN = Anthophyllite TR = Tremolite

For samples consisting of separate components, each component is analyzed and reported separately.

Results apply only to items tested. Quantification is accurate to within ± 10%. Results from this report must not be reproduced, except in full, with the approval of McCall & Spero Environmental, Inc. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

** EPA recommends that bulk materials found negative for asbestos or less than one percent asbestos by polarized light microscopy that fall into one of five dominantly nonfriable categories be reanalyzed by an additional method, such as transmission electron microscopy. (EPA Notice of Advisory, FR Vol. 59, No. 146 & Test Method EPA 600/ R-93/ 116).

Analyst: Taylor B. Stone Taylor Stone

McCall & Spero Environmental, Inc.

Leon Environmental Services

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722 Phone: (559) 274-9200 Fax: (559) 274-9240 Email: Leonenviro@comcast.net

Customer: Mike Bowman **Company:** Fresno County, Maintenance Services Dept.

Date: February 27, 2024 **Job No:** B50-24

Analysis: PLM **Turn Around:** RUSH (Same Day) Next Day 2-3 Days 4-5 Days

Inspection Site: South Annex Jail, 2280 Fresno St, Fresno, CA

Sample No.	Location	Material		Quantity
		Color	Type	
01	Penthouse, Pipe Elbow		Canvas	
	Penthouse, Pipe Elbow		Styrofoam	
02	Penthouse, Pipe Elbow		Canvas	
	Penthouse, Pipe Elbow		Styrofoam	
03	Penthouse, Pipe Elbow		Canvas	
	Penthouse, Pipe Elbow		Styrofoam	

Relinquished By: [signature] Date: 2-27-24 Received By: Taylor Stone Date: 2129124

Leon Environmental Services

Richard "Danny" Leon CAC # 04-3708
Tommy Leon CAC # 05-3882

March 15, 2024

Mike Bowman
Fresno County, Facilities Services Dept.
4590 E. Kings Canyon Rd.
Fresno, CA 93702

Re: Asbestos Bulk Samples
South Annex Jail, Roof
228 Fresno St.
Fresno, CA
Job No. B56-24

Dear Mike:

Attached are the asbestos sampling results for the above referenced building. This report includes conclusions, recommendations and bulk analysis results. If you have any questions or need additional information, please do not hesitate to call.

Thank you for using Leon Environmental Services. We look forward to working with you in the future.

Respectfully,

Christopher Cabral Digitally signed by Christopher Cabral
Date: 2024.03.15 16:32:58 -07'00'

Christopher Cabral
Certified Asbestos Consultant
Certification No. 22-7151

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@leonenviro.com

Sampling Site: South Annex Jail, 228 Fresno St, Fresno, CA B56-24

ASBESTOS ANALYSIS RESULTS

A total of 4 samples of suspect materials were collected by a state certified asbestos inspector from the FNG stairwell roof and the connecting walkway of the **South Annex Jail** at **228 Fresno St, Fresno, CA**. The sample collection areas were determined by the information given to the inspector by **Mike Bowman of the Maintenance Services Department of the County of Fresno** about the impending remodel/renovation that is planned for this building. McCall and Spero Environmental, Inc., a NVLAP accredited laboratory performed a total of **4** analyses from the **4** samples collected. The chain of custody from Leon Environmental Services and the report from McCall and Spero contain a full list of all samples taken from this site.

Samples Positive for Asbestos

Sample	Location	Material	% Of ACM	Friable
01	FNG Stairwell Roof	Roof Core	10%	No
02	FNG Stairwell Roof	Roof Mastic	5%	No
03	FNG Stairwell Roof Walkway	Roof Core	10%	No
04	FNG Stairwell Roof Walkway	Roof Mastic	5%	No

* Determined after composite sampling with associated sheetrock
NS – Not Sampled

COMMENTS AND RECOMMENDATIONS

Non-Friable Asbestos

The Roofing Felts (samples 01, 03) located on the FNG stairwell roof and walkway is positive for asbestos at 10%.
The Roof Mastic (samples 02, 04) located on the FNG stairwell roof and walkway is positive for asbestos at 5%.

These materials are considered a ***non-hazardous non-friable ACM***. It is required that a licensed asbestos abatement contractor remove these materials prior to renovation and or demolition of this structure.

CONCLUSIONS AND REGULATIONS

Based on our survey, sampling and subsequent laboratory analysis and regulatory guidelines affecting this site, the types of ACM identified on this page require removal (in most cases) prior to demolition and/or renovation procedures to comply with local, state and federal agencies. The US EPA NESHAP (40 CFR Part 61 – November 20, 1990) requires materials containing greater than one percent asbestos be removed prior to renovation or demolition. If those materials are friable or likely to become friable due to

the forces expected to act upon them during renovation or demolition, they become a regulated asbestos containing material (RACM) and require a 10-day notification to the local Air Pollution Control District prior to abatement.

Non-friable and non-regulated ACM, in most cases, may be disposed of as a Non-Hazardous waste in a landfill that accepts Asbestos Containing Materials. All friable waste containing more than 1% asbestos (RACM) must be manifested as hazardous waste for disposal purposes.

CAL OSHA--------Construction Industry--------8CCR, 1529

Cal/OSHA worker health and safety regulations apply during any disturbance of ACM by a person while in the employ of another. This is true regardless of friability or quantity disturbed. If there is greater than 100 square feet of ACM which will be affected by the demolition, a California Licensed Contractor who is registered with Cal/OSHA for asbestos is required. The regulations regarding asbestos are found in Title 8 CCR Section 1529, and also include formal notification requirements to Cal/OSHA at least 24 hours prior to removal. It is required that removal be conducted with the material kept in a wetted state to contain dust and hazardous emissions.

The construction industry standard covers employees engaged in demolition and construction, and the following related activities likely to involve asbestos exposure: removal, encapsulation, alteration, repair, maintenance, insulation, spill emergency cleanup, transportation, disposal and storage of ACM.

Demolition contractors typically require that a building owner/operator accept responsibility for removal of all ACM found during the building inspection prior to start of demolition activities.

LIMITATIONS OF LIABILITY

Conclusions and recommendations presented in this report are qualitative judgments based on the prevailing regulations and accepted industry standards at the time of the report issuance. Leon Environmental Services provides no other guarantees, either expressed or implied. All quantities of materials listed herein are estimates for sampling purposes only, and should be verified by Owner representative or an abatement contractor prior to asbestos abatement.

The nature of demolition and asbestos abatement is such that materials can be uncovered which previously were unknown to exist. Therefore, Leon Environmental Services cannot be responsible for materials not previously detected due to lack of accessibility or concealment, although every effort was made during the inspection to detect all suspect materials. If any materials other than those included herein are discovered during renovation or demolition, it must be assumed that the materials are asbestos containing, and should be treated accordingly until further testing and analysis is performed.

The data interpretations and recommendations are based solely on information available to Leon Environmental Services at the time of our inspection. The customer recognizes

that site conditions or accessibility may vary, from those encountered at the time of our inspection and sample collection. Varying conditions or access could result in additional information that would lead us to revise conclusions and recommendations. Leon Environmental Services will not be responsible for the interpretation or use by others of information contained within this report.

Christopher Cabral Digitally signed by Christopher Cabral
Date: 2024.03.15 16:33:16 -07'00'

Christopher Cabral — Date
Certified Asbestos Consultant
Certification No. 22-7151

*Abbreviation Key:

Asbestos Containing Material — ACM (equal to or greater than 0.1% by weight)
Vinyl Asbestos Tile – VAT
No Asbestos Detected--N.A.D or N.D.
Homogeneous—H
Not Sampled--NS

SUMMARY OF PLM BULK ANALYSIS RESULTS

Project Name: Mike Bowman, Fresno County, Maintenance Services Dept. - South Annex Jail: 2280 Fresno St; Fresno, CA Project
McCall & Spero Environmental Project No. MSE-P3134LEO.1

MSE # P3134LEO.1	SAMPLE # DESCRIPTION	ASBESTOS TYPE & %	OTHER FIBROUS MATERIAL & %	% NON-FIBROUS MATERIAL	COLOR
001	01 Roof Core	CH / 10%	Cellulose / 20%	70%	Black
002	02 Roof Mastic	CH / 5%	Cellulose / 5%	90%	Black
003	03 Roof Core	CH / 10%	Cellulose / 20%	70%	Black
004	04 Roof Mastic	CH / 5%	Cellulose / 5%	90%	Black

NOTES:

ND = None Detected
CR = Crocidolite
CH = Chrysotile
AN = Anthophyllite
A = Amosite
TR = Tremolite
AC = Actinolite

For samples consisting of separate components, each component is analyzed and reported separately.

Results apply only to items tested. Quantification is accurate to within ± 10%. Results from this report must not be reproduced, except in full, with the approval of McCall & Spero Environmental, Inc. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

** EPA recommends that bulk materials found negative for asbestos or less than one percent asbestos by polarized light microscopy that fall into one of five dominantly nonfriable categories be reanalyzed by an additional method, such as transmission electron microscopy. (EPA Notice of Advisory, FR Vol. 59, No. 146 & Test Method EPA 600/ R-93/ 116).

Analyst: Kevin R. Bean, B.A. 

McCall & Spero Environmental, Inc.

Leon Environmental Services

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722 Phone: (559) 274-9200 Fax: (559) 274-9240 Email: Leonenviro@comcast.net

Customer: Mike Bowman **Company:** Fresno County, Maintenance Services Dept

Date: March 12, 2024 **Job No:** B56-24

Analysis: PLM **Turn Around:** RUSH Same Day Next Day (2-3 Days) 4-5 Days

Inspection Site: South Annex Jail, 2280 Fresno St, Fresno, CA

Sample No.	Location	Material		Quantity
		Color	Type	
01	FNG Stairwell Roof		Roof Core	
02	FNG Stairwell Roof		Roof Mastic	
03	FNG Stairwell Roof Walkway		Roof Core	
04	FNG Stairwell Roof Walkway		Roof Mastic	

Relinquished By: Cliff Cl Date: 3-12-24 Received By: [signature] Date: 3/13/24

Leon Environmental Services

Tommy Leon CAC # 05-3882

November 21, 2024

Mike Bowman
Fresno County, Maintenance Services Dept.
4590 E. Kings Canyon Rd.
Fresno, CA 93702

Re: Asbestos Bulk Samples
South Annex Jail, 4th Floor
2280 Fresno St.
Fresno, CA
Job No. B234-24

Dear Mike:

Attached are the asbestos sampling results for the above referenced building. This report includes conclusions, recommendations and bulk analysis results. If you have any questions or need additional information, please do not hesitate to call.

Thank you for using Leon Environmental Services. We look forward to working with you in the future.

Respectfully,

Christopher Cabral Digitally signed by Christopher Cabral
Date: 2024.11.21 17:14:36 -08'00'

Christopher Cabral
Certified Asbestos Consultant
Certification No. 22-7151

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722
Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@leonenviro.com

Sampling Site: South Annex Jail, 4th Floor, 2280 Fresno St.
Fresno, CA
B234-24

ASBESTOS ANALYSIS RESULTS

A total of 3 samples of suspect materials were collected by a state certified asbestos inspector from the 4th floor of the **South Annex Jail** at **2280 Fresno St., Fresno, CA**. The sample collection areas were determined by the information given to the inspector by **Mike Bowman of the County of Fresno** about the impending remodel/renovation that is planned for this building. McCall and Spero Environmental, Inc., a NVLAP accredited laboratory performed a total of **3** analyses from the **3** samples collected. The chain of custody from Leon Environmental Services and the report from McCall and Spero contains a full list of all samples taken from this site.

Samples Negative for Asbestos

Sample	Location	Material	% Of ACM	Friable
01, 02, 03	Pipe Chase near E Pod Upper Ceiling	Fireproofing	ND	

COMMENTS AND RECOMMENDATIONS

All samples of suspect materials from the selected areas of this site were negative for asbestos.

CONCLUSIONS AND REGULATIONS

Based on our survey, sampling and subsequent laboratory analysis and regulatory guidelines affecting this site, the types of ACM identified on this page require removal (in most cases) prior to demolition and/or renovation procedures to comply with local, state and federal agencies. The US EPA NESHAP (40 CFR Part 61 – November 20, 1990) requires materials containing greater than one percent asbestos be removed prior to renovation or demolition. If those materials are friable or likely to become friable due to the forces expected to act upon them during renovation or demolition, they become a regulated asbestos containing material (RACM) and require a 10-day notification to the local Air Pollution Control District prior to abatement.

Non-friable and non-regulated ACM, in most cases, may be disposed of as a Non-Hazardous waste in a landfill that accepts Asbestos Containing Materials. All friable waste containing more than 1% asbestos (RACM) must be manifested as hazardous waste for disposal purposes.

CAL OSHA--------Construction Industry--------8CCR, 1529

Cal/OSHA worker health and safety regulations apply during any disturbance of ACM by a person while in the employ of another. This is true regardless of friability or quantity disturbed. If there is greater than 100 square feet of ACM which will be affected by the

demolition, a California Licensed Contractor who is registered with Cal/OSHA for asbestos is required. The regulations regarding asbestos are found in Title 8 CCR Section 1529, and also include formal notification requirements to Cal/OSHA at least 24 hours prior to removal. It is required that removal be conducted with the material kept in a wetted state to contain dust and hazardous emissions.

The construction industry standard covers employees engaged in demolition and construction, and the following related activities likely to involve asbestos exposure: removal, encapsulation, alteration, repair, maintenance, insulation, spill emergency cleanup, transportation, disposal and storage of ACM.

Demolition contractors typically require that a building owner/operator accept responsibility for removal of all ACM found during the building inspection prior to start of demolition activities.

LIMITATIONS OF LIABILITY

Conclusions and recommendations presented in this report are qualitative judgments based on the prevailing regulations and accepted industry standards at the time of the report issuance. Leon Environmental Services provides no other guarantees, either expressed or implied. All quantities of materials listed herein are estimates for sampling purposes only, and should be verified by Owner representative or an abatement contractor prior to asbestos abatement.

The nature of demolition and asbestos abatement is such that materials can be uncovered which previously were unknown to exist. Therefore, Leon Environmental Services cannot be responsible for materials not previously detected due to lack of accessibility or concealment, although every effort was made during the inspection to detect all suspect materials. If any materials other than those included herein are discovered during renovation or demolition, it must be assumed that the materials are asbestos containing, and should be treated accordingly until further testing and analysis is performed.

The data interpretations and recommendations are based solely on information available to Leon Environmental Services at the time of our inspection. The customer recognizes that site conditions or accessibility may vary, from those encountered at the time of our inspection and sample collection. Varying conditions or access could result in additional information that would lead us to revise conclusions and recommendations. Leon Environmental Services will not be responsible for the interpretation or use by others of information contained within this report.

Christopher Cabral Digitally signed by Christopher Cabral
Date: 2024.11.21 17:15:01 -08'00'

Christopher Cabral
Certified Asbestos Consultant
Certification No. 22-7151

Date

Sampling Site: South Annex Jail, 4th Floor, 2280 Fresno St.
Fresno, CA
B234-24

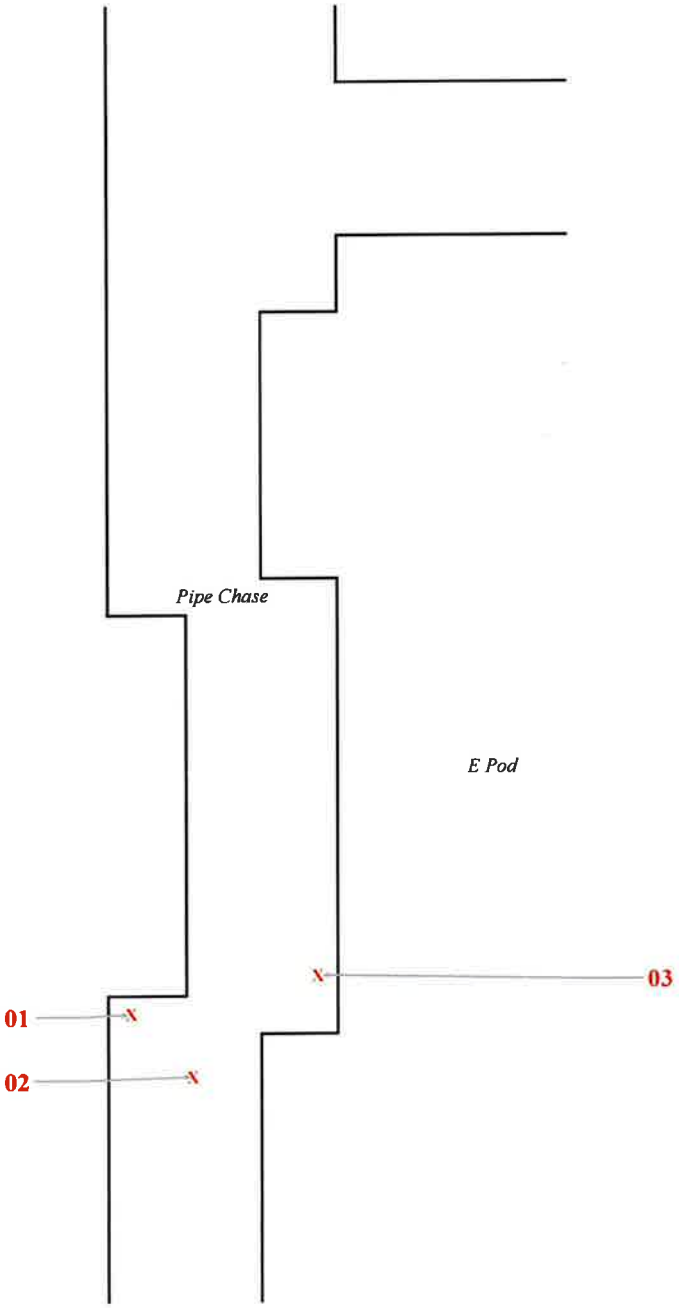
*Abbreviation Key:

Asbestos Containing Material — ACM (equal to or greater than 0.1% by weight)
Vinyl Asbestos Tile – VAT
No Asbestos Detected–N.A.D or N.D.
Homogeneous—H
Not Sampled–NS

Leon Environmental Services

Richard "Danny" Leon CAC Certification No. 04-3708
Tommy Leon CAC Certification No. 05-3882

Job B234-24 Sample Location Diagram
South Annex Jail, 4th Floor / 2280 Fresno St, Fresno, CA
Mike Bowman / Fresno County, Maintenance Services Dept.
Drawing Not to Scale



X = Interior Samples
Y = Exterior Samples
R = Roof Samples

N

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Phone: 559.274.9200 Fax: 559.274.9240 Email: LeonEnviro@comcast.net

McCall and Spero Environmental, Inc.
Specialists in Microanalysis

1831 Williamson Court • Suite 100 • Louisville, KY 40223
Phone (502) 244-7135 • FAX (502) 244-7136
E-mail: customerservice@mselabs.com • Website: www.mselabs.com

Date: November 21, 2024

Attention: Tommy Leon
Leon Environmental Services

Subject: Analysis of bulk samples for asbestos mineral fibers by Polarized Light Microscopy (PLM) with Dispersion Staining (EPA/600/R-93/116)

RE: MSE-PN214LEO
Mike Bowman, Fresno County, Maintenance Services Dept. - South Annex Jail: 2280 Fresno St; Fresno, CA Project
LEO# B234-24

Dear Mr. Leon:

McCall & Spero Environmental, Inc. has completed the analysis of the bulk samples we received from your offices on November 21, 2024. These samples represent the bulk samples from the Mike Bowman, Fresno County, Maintenance Services Dept. - South Annex Jail: 2280 Fresno St; Fresno, CA Project.

The PLM bulk analysis was performed according to the "Method of the Determination of Asbestos in Bulk Building Materials", R. L. Perkins and B. W. Harvey (EPA/600/R-93/116).

The results for the three (3) samples are summarized in the following report. Please note that for samples consisting of two or more distinct components, each component is analyzed and reported individually (EPA 40 CFR Part 61 [FRL-4821-71]).

Thank you for consulting McCall & Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

Taylor Stone

Taylor B. Stone
Senior Analyst

NVLAP®
TESTING
NVLAP LAB CODE 101895-0

SUMMARY OF PLM BULK ANALYSIS RESULTS

Project Name: Mike Bowman, Fresno County, Maintenance Services Dept. - South Annex Jail: 2280 Fresno St; Fresno, CA Project
McCall & Spero Environmental Project No. MSE-PN214LEO

MSE # PN214LEO	SAMPLE # DESCRIPTION	ASBESTOS TYPE & %	OTHER FIBROUS MATERIAL & %	% NON-FIBROUS MATERIAL	COLOR
001	01 Fireproofing	ND	Glass / 80%	20%	Gray
002	02 Fireproofing	ND	Glass / 80%	20%	Gray
003	03 Fireproofing	ND	Glass / 80%	20%	Gray

NOTES:

ND = None Detected CH = Chrysotile A = Amosite AC = Actinolite
CR = Crocidolite AN = Anthophyllite TR = Tremolite

For samples consisting of separate components, each component is analyzed and reported separately.

Results apply only to items tested. Quantification is accurate to within ± 10%. Results from this report must not be reproduced, except in full, with the approval of McCall & Spero Environmental, Inc. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

** EPA recommends that bulk materials found negative for asbestos or less than one percent asbestos by polarized light microscopy that fall into one of five dominantly nonfriable categories be reanalyzed by an additional method, such as transmission electron microscopy. (EPA Notice of Advisory, FR Vol. 59, No. 146 & Test Method EPA 600/ R-93/ 116).

Analyst: Taylor B. Stone Taylor Stone

Leon Environmental Services

4545 N. Brawley Ave., Suite 104, Fresno, CA 93722 Phone: (559) 274-9200 Fax: (559) 274-9240 Email: Leonenviro@comcast.net

Customer: Mike Bowman **Company:** Fresno County, Maintenance Services Dept

Date: November 20, 2024 **Job No:** B234-24

Analysis: PLM **Turn Around:** (RUSH) Same Day Next Day 2-3 Days 4-5 Days

Inspection Site: South Annex Jail, 2280 Fresno St, Fresno, CA

Sample No.	Location	Material		Quantity
		Color	Type	
01	Pipe Chase near E Pod, Upper Ceiling		Fireproofing	
02	Pipe Chase near E Pod, Upper Ceiling		Fireproofing	
03	Pipe Chase near E Pod, Upper Ceiling		Fireproofing	

Relinquished By: [signature] Date: 11-20-24

Received By: Taylor Stone Date: 11/21/24

Sheriff's Administration Building 04-23-2026

Homogenous Area	Quanitiy (SF)	Location	Total Samples
1X1 - ceiling tile (textured mixed with fissures)	15,000	basement, 1st and 2nd floor	7
adhesive (pucks)	15,000	basement, 1st and 2nd floor	7
2X2 - ceiling panel (faux squares)	2,000	basement, 1st and 2nd floor	5
2X4 - ceiling panel (faux center)	400	basement - server room	3
2X4 - ceiling panel (dots/fissures)	8,000	basement, 1st and 2nd floor	7
2X4 - ceiling panel (dots/texture)	500	2nd Floor - chief/sheriff	3
plaster wall system	30,000	basement, 1st and 2nd floor	7
gypsum board	6,000	basement, 1st and 2nd floor	7
joint compound	6,000	basement, 1st and 2nd floor	7
FRP	150	basement, 1st and 2nd floor - janitors	3
adhesive	150	basement, 1st and 2nd floor - janitors	3
6" covebase (grey-green)	800	basement, 1st and 2nd floor	3
adhesive	800	basement, 1st and 2nd floor	3
6" covebase (tan)	50	basement	3
adhesive	50	basement	3
6" covebase (white)	10	2nd Floor - chief/sheriff	3
ahdhesive	10	2nd Floor - chief/sheriff	3
Terrazzo Flooring	9,000	basement, 1st and 2nd floor	7
gray carpet	6,000	basement, 1st and 2nd floor	7
adhesive	6,000	basement, 1st and 2nd floor	7
brown carpet	200	basement - chaplain	3
adhesive	200	basement - chaplain	3
blue carpet	200	basement - evidence lab	3
adhesive	200	basement - evidence lab	3
tan carpet (lines)	500	2nd Floor - chief/sheriff	3
ahesive	500	2nd Floor - chief/sheriff	3
12X12 VFT (tan with fleck)	25	2nd Floor - chief/sheriff	3
adhesive	25	2nd Floor - chief/sheriff	3
12X12 VFT (blue-green with fleck)	9,000	basement, 1st and 2nd floor	7
adhesive	9,000	basement, 1st and 2nd floor	7
12X12 VFT (gray with fleck)	9,000	basement, 1st and 2nd floor	7
adhesive	9,000	basement, 1st and 2nd floor	7
24X24 carpet tiles (gray -shaded)	6,000	basement, 1st and 2nd floor	7
adhesive	6,000	basement, 1st and 2nd floor	7
24X24 carpet tiles (gray-muliti-color)	6,000	basement, 1st and 2nd floor	7
adhesive	6,000	basement, 1st and 2nd floor	7
24X24 carpet tiles (gray- lines)	6,000	basement, 1st and 2nd floor	7
adhesive	6,000	basement, 1st and 2nd floor	7
24X24 carpet tiles (tan)	6,000	basement, 1st and 2nd floor	7
adhesive	6,000	basement, 1st and 2nd floor	7
9X9 VFT (stone pattern)	6,000	basement, 1st and 2nd floor	7
adhesive	6,000	basement, 1st and 2nd floor	7
VFS (pebble pattern	500	basement - technical resources	3
adhesive	500	basement - technical resources	3
sink undercoat (grey)	4	1st Floor - break room	3
black counter top	200	basement - evidence lab	3
mirror mastic	200	basement, 1st and 2nd floor	3
wall insulation	2,000	basement - maintenance room	5
8" pipe TSI	100	basement - maintenance room	3
8" pipe elbows	10	basement - maintenance room	3
4" pipe TSI	100	basement - maintenance room	3
4" pipe elbows	10	basement - maintenance room	3
2" pipe TSI	100	basement - maintenance room	3
2" pipe elbows	10	basement - maintenance room	3
4" pipe gaskets	40	basement - maintenance room	3
HVAC gaskets	20	basement - maintenance room	3
HVAC insulation	100	basement - maintenance room	3
fireproofing (white)	45,000	basement, 1st and 2nd floor	7
roof system	18,000	roof	7
roof tread system	100	roof	3
penetration sealant	40	roof	3
concrete slabs, retaining walls, sidewalks	20,000	exterior	7
concrete tilt-up walls (rock)	15,000	exterior	7
expansion joint sealant	50	exterior	3
		Total Samples	**304**

Sheriff's Administration Building 04-23-2026

Fair/Poor Condition Paint	Quanitiy (SF)	Location	Total Samples
metal door trim (green)	10	basement	1
metal door trim (white)	10	basement	1
elevator reservoir room floor (red)	50	basement	1
canvas pipe insulation (tan)	100	maintenance room	1
exterior trim (green)	500	roof	1
exterior walls/retaining walls (tan)	12,500	exterior walls	1
		Total Samples	**6**

APPENDIX B

Tables 1-2 – Summary of Analytical Results

Table 1
Summary of Asbestos Results
Proposed New Fresno Courthouse
Fresno, California

Building Area	Sample No.	Homogeneous Area	Location of Material	Asbestos Content	Condition	Quantity Estimate	DOSH Definition	EPA Category
Roof	01A 01B 01C 01D 01E	Tar Paper, Black; Petromat, Black	Roof, Interior Parapet Wall	30-45% Chrysotile (Tar Paper, Black); 35-45% Chrysotile (Petromat, Black)	Significantly Damaged	2,000 SF	ACM	CAT I
Roof	02A 02B 02C	Clay (Pipe), Orange	Roof	ND	Damaged	200 SF	NA	NA
Roof	03A 03B 03C	Sealant, Light Gray	Roof	60-65% Chrysotile	Damaged	200 SF	ACM	CAT II
Roof	04A 04B 04C	Roof Tread, Black	Roof	ND	Good	100 SF	NA	NA
Roof	05A 05B 05C	Sealant, White/Yellow	Roof Penetrations	5% Chrysotile	Good	100 SF	ACM	CAT II
Throughout	06A 06B 06C 06D 06E 06F 06G	Plaster, White/Gray; Skim Coat, White	Interior Walls	ND	Damaged	60,000 SF	NA	NA
Throughout	07A 07B 07C	Thermal System Insulation (TSI), Gray, Pipe Elbow; Pipe Elbow Wrap, White/Tan	Throughout	ND	Significantly Damaged	50 SF	NA	NA
Throughout	08A 08B 08C	TSI, White/Yellow, 4" and 8" Pipe Insulation; Pipe Wrap, Tan/White/Silver	Throughout	ND	Damaged	500 SF	NA	NA
Roof Penthouse	09A 09B 09C	Foam Adhesive, Black	Roof Penthouse, Attached to Boiler	ND	Good	20 SF	NA	NA
Roof	10A 10B 10C	Roof Tread/Adhesive, Black	Roof, Near Basketball Court	ND	Significantly Damaged	150 SF	NA	NA
Roof	11A 11B 11C	Sealant, Gray	Roof, Near Basketball Court	10-15% Chrysotile	Good	20 SF	ACM	CAT II
Exterior	12A* 12B 12C 12D 12E 12F 12G	Stucco, Gray/Yellow	Exterior Wall System, Throughout	<0.1% Chrysotile	Good	50,000 SF	NA	NA
Throughout	13A 13B 13C 13D 13E 13F 13G	Ceiling Tile, White, 12" x 12"; Adhesive, Yellow/Brown	Ceilings, Throughout	2-3% Chrysotile (Adhesive, Brown)	Significantly Damaged	25,000 SF	ACM	CAT II
4th Floor	14A 14B 14C	Concrete Curb, Blue	Wall Base	ND	Damaged	50 SF	NA	NA
4th Floor	15A 15B 15C	Vinyl Floor Tile (VFT), Gray, Associated with HA #16	4th Floor	ND	Damaged	400 SF	NA	NA
4th Floor	16A 16B 16C	Adhesive, Brown, Associated with HA #15	4th Floor	ND	Good	400 SF	NA	NA
4th Floor	17A 17B 17C	VFT, Blue/Gray, Associated with HA #18	4th Floor Control Room, Offices	ND	Damaged	400 SF	NA	NA
4th Floor	18A 18B 18C	Adhesive, Dark Brown, Associated with HA #17	4th Floor Control Room, Offices	ND	Damaged	400 SF	NA	NA
Throughout	19A 19B 19C	Leveling Compound, White, Associated with 12" x 12" VFT	Throughout	ND	Damaged	400 SF	NA	NA

Table 1
Summary of Asbestos Results
Proposed New Fresno Courthouse
Fresno, California

Building Area	Sample No.	Homogeneous Area	Location of Material	Asbestos Content	Condition	Quantity Estimate	DOSH Definition	EPA Category
Throughout	20A	Cove Base, Black, 6", Associated with HA #21	Throughout	ND	Good	200 SF	NA	NA
	20B							
	20C							
Throughout	21A	Adhesive, White, Associated with HA #20	Throughout	ND	Good	200 SF	NA	NA
	21B							
	21C							
3rd Floor	22A	Carpet, Gray; Adhesive, Gray/Clear	Light Blue Cells Area	ND	Good	300 SF	NA	NA
	22B							
	22C							
3rd Floor	23A	Epoxy, Tan, Under Black Carpet	Throughout	ND	Good	300 SF	NA	NA
	23B							
	23C							
3rd Floor	24A	Vinyl Floor Sheeting (VFS), Gray/Black, Associated with HA #25	Medical Office	ND	Good	100 SF	NA	NA
	24B							
	24C							
3rd Floor	25A	Adhesive, Dark Brown, Associated with HA #24	Medical Office	ND	Good	100 SF	NA	NA
	25B							
	25C							
1st & 3rd Floors	26A	Cove Base, Black, 4", Associated with HA #27	Medical Office	ND	Good	100 SF	NA	NA
	26B							
	26C							
1st & 3rd Floors	27A	Adhesive, Clear, Associated with HA #26	Medical Office	ND	Good	100 SF	NA	NA
	27B							
	27C							
3rd Floor	28A	Ceiling Tile, White, 12" x 12" with Dots; Adhesive, Brown	3rd Floor	2-5% Amosite (Ceiling Tile)	Damaged	100 SF	ACM	RACM
	28B							
	28C							
1st, 2nd, & 3rd Floors	29A	VFT, White, Associated with HA #30	Throughout	ND	Damaged	200 SF	NA	NA
	29B							
	29C							
1st, 2nd, & 3rd Floors	30A	Adhesive, Black, Associated with HA #29	Throughout	ND	Damaged	200 SF	NA	NA
	30B							
	30C							
Throughout	31A	Ceiling Tile, White, 2' x 4' with Dots and Fissures	Throughout	ND	Damaged	6,000 SF	NA	NA
	31B							
	31C							
	31D							
	31E							
	31F							
	31G							
Throughout	32A	Epoxy, Gray	Showers	ND	Good	300 SF	NA	NA
	32B							
	32C							
1st & 2nd Floors	33A	Cove Base, Gray, Associated with HA #34	Near Library	ND	Good	100 SF	NA	NA
	33B							
	33C							
1st & 2nd Floors	34A	Adhesive, Brown, Associated with HA #33	Near Library	ND	Good	100 SF	NA	NA
	34B							
	34C							
2nd Floor	35A	Plaster, White, Wall Patch	Near Library	ND	Damaged	10 SF	NA	NA
	35B							
	35C							
1st & 2nd Floors	36A	Adhesive, Yellow/Clear; Carpet Tile, Gray/White/Blue, 24" x 24"	Library Offices, Offices	ND	Good	900 SF	NA	NA
	36B							
	36C							
Throughout	37A	Fireproofing, White	Ceilings and I-Beams Throughout	25-30% Chrysotile	Good	100,000 SF	ACM	RACM
	37B							
	37C							
	37D							
Throughout	38A	Firestop, Red/Pink	Wall Penetrations Throughout	ND	Good	50 SF	NA	NA
	38B							
	38C							
Throughout	39A	Sealant, White, Associated with HVAC Ducting Seams	Throughout	ND	Good	600 SF	NA	NA
	39B							
	39C							
1st & 2nd Floors	40A	VFS, Gray, Pebble Pattern, Associated with HA #41	Medical Exam Rooms	ND	Good	400 SF	NA	NA
	40B							
	40C							
1st & 2nd Floors	41A	Adhesive, Brown, Associated with HA #40	Medical Exam Rooms	ND	Good	400 SF	NA	NA
	41B							
	41C							

Table 1
Summary of Asbestos Results
Proposed New Fresno Courthouse
Fresno, California

Building Area	Sample No.	Homogeneous Area	Location of Material	Asbestos Content	Condition	Quantity Estimate	DOSH Definition	EPA Category
1st & 2nd Floors	42A	Gypsum Board, White, Associated with HA #43	Offices, Exam Rooms	ND	Good	600 SF	NA	NA
	42B							
	42C							
1st & 2nd Floors	43A	Joint Compound, White, Associated with HA #42	Offices, Exam Rooms	ND	Good	600 SF	NA	NA
	43B							
	43C							
1st & 2nd Floors	44A	Carpet, Black/White, 24" x 24" with Line Pattern, Associated with HA #45	Offices, Library	ND	Good	400 SF	NA	NA
	44B							
	44C							
1st & 2nd Floors	45A	Adhesive, Yellow/Clear, Associated with HA #44	Offices, Library	ND	Good	400 SF	NA	NA
	45B							
	45C							
1st & 2nd Floors, Basement	46A	Cove Base, Black, 4", Associated with HA #47	Throughout	ND	Good	400 SF	NA	NA
	46B							
	46C							
1st & 2nd Floors, Basement	47A	Adhesive, White, Associated with HA #46	Throughout	ND	Good	400 SF	NA	NA
	47B							
	47C							
1st Floor	48A	VFT, Gray/Green, 9" x 9", Associated with HA #49, Concealed Under 12" x 12" VFT; VFT, White	Lobby, Offices, Closets	4-5% Chrysotile (VFT, Gray/Green)	Damaged	400 SF	ACM	CAT I
	48B							
	48C							
1st Floor	49A	Adhesive, Black, Associated with HA #48	Lobby, Offices, Closets, Residual in Corridors	3-5% Chrysotile	Damaged	500 SF	ACM	CAT I
	49B							
	49C							
1st Floor	50A	TSI, Pink, Duct Insulation; Duct Wrap, Silver/Clear	Throughout	ND	Good	100 SF	NA	NA
	50B							
	50C							
1st, 2nd, & 3rd Floors	51A	Texture, White, Associated with Gypsum Board Walls	Throughout	ND	Good	600 SF	NA	NA
	51B							
	51C							
Throughout	52A	Adhesive, Orange, Associated with FRP; Texture, White	Janitor Closets, Employee Restroom	ND	Good	150 SF	NA	NA
	52B							
	52C							
Basement	53A	Grout, Gray, Associated with HA #54	Laundry Rooms	ND	Good	800 SF	NA	NA
	53B							
	53C							
Basement	54A	Ceramic Tile, Red, 9" x 9", Associated with HA #53	Laundry Rooms	ND	Good	800 SF	NA	NA
	54B							
	54C							
1st Floor, Basement	55A	VFS, Gray, Associated with HA #56	Corridors, Hallways	ND	Damaged	3,000 SF	NA	NA
	55B							
	55C							
	55D							
	55E							
1st Floor, Basement	56A	Adhesive, Brown, Associated with HA #55	Corridors, Hallways	ND	Damaged	3,000 SF	NA	NA
	56B							
	56C							
	56D							
	56E							
Basement	57A	Grout, Gray/White, Associated with 4" x 4" Ceramic Tile (White, Tan)	Hallway, Restrooms	ND	Damaged	500 SF	NA	NA
	57B							
	57C							
2nd Floor	58A	Ceiling Panel, White/Brown, 2' x 4', Gypsum Board Type	Staff Restroom	ND	Good	100 SF	NA	NA
	58B							
	58C							
Throughout	59A	Concrete Masonry Unit (CMU), Gray/Black, 8" x 16", Associated with HA #60	Throughout	ND	Good	800 SF	NA	NA
	59B							
	59C							
Throughout	60A	Mortar, Gray, Associated with HA #59	Throughout	ND	Good	800 SF	NA	NA
	60B							
	60C							
Basement	61A	Thermal Clay Tile, Red, 12" x 12" Wall Tile	Mechanical / Boiler Room Walls	ND	Good	100 SF	NA	NA
	61B							
	61C							
Exterior	62A	Concrete (Rock), Tan/Gray	Exterior Walls and Floors Throughout	ND	Good	50,000 SF	NA	NA
	62B							
	62C							
	62D							
	62E							
	62F							

Table 1
Summary of Asbestos Results
Proposed New Fresno Courthouse
Fresno, California

Building Area	Sample No.	Homogeneous Area	Location of Material	Asbestos Content	Condition	Quantity Estimate	DOSH Definition	EPA Category
	62G							
Exterior	63A	Sealant, Gray, Expansion Joints	Exterior Expansion Joints	ND	Good	200 SF	NA	NA
	63B							
	63C							
Penthouse	64A	Paint, White, 4" Pipe TSI	Penthouse	ND	Damaged	20 SF	NA	NA
4th Floor	65A	Paint, White/Red, Control Panel Door	4th Floor	ND	Damaged	15 SF	NA	NA
Basement	66A	Paint, White, Wall	Laundry	ND	Damaged	500 SF	NA	NA
4th Floor	67A	Paint, Light Blue/Red, Desk	Work Area Desk	ND	Damaged	15 SF	NA	NA
4th Floor	68A	Paint, Powder Blue/Tan, Wall	Work Area	ND	Damaged	50 SF	NA	NA
Basement	69A	Paint, Red, Floor	Elevator Reservoir Room	ND	Damaged	100 SF	NA	NA
2nd Floor	70A	Paint, Green/Blue/Red, Door Frame	Medical Office	ND	Damaged	10 SF	NA	NA
1st Floor	71A	Paint, Gray, Floor	Training Room	ND	Damaged	200 SF	NA	NA

Notes:

ACM = Asbestos-Containing Material

Red BOLD = asbestos was detected in sample at a concentration above laboratory reporting limit

RACM = Regulated Asbestos-Containing Material

CAT I = Category I Non Friable ACM

CAT II = Category II Non Friable ACM

ND = Non Detect

NA = Not Applicable

SF = Square Feet

* Sample Analyzed by 1,000 Point Count Method. At less than 0.1%, the suspect material is not considered ACM in accordance with EPA regulations and is not considered Asbestos-Containing Construction Material (ACCM) in accordance with DOSH regulations. It is important for contractors to recognize that some quantity of asbestos is likely present in the homogeneous area.

APPENDIX C

Sample Location Figures

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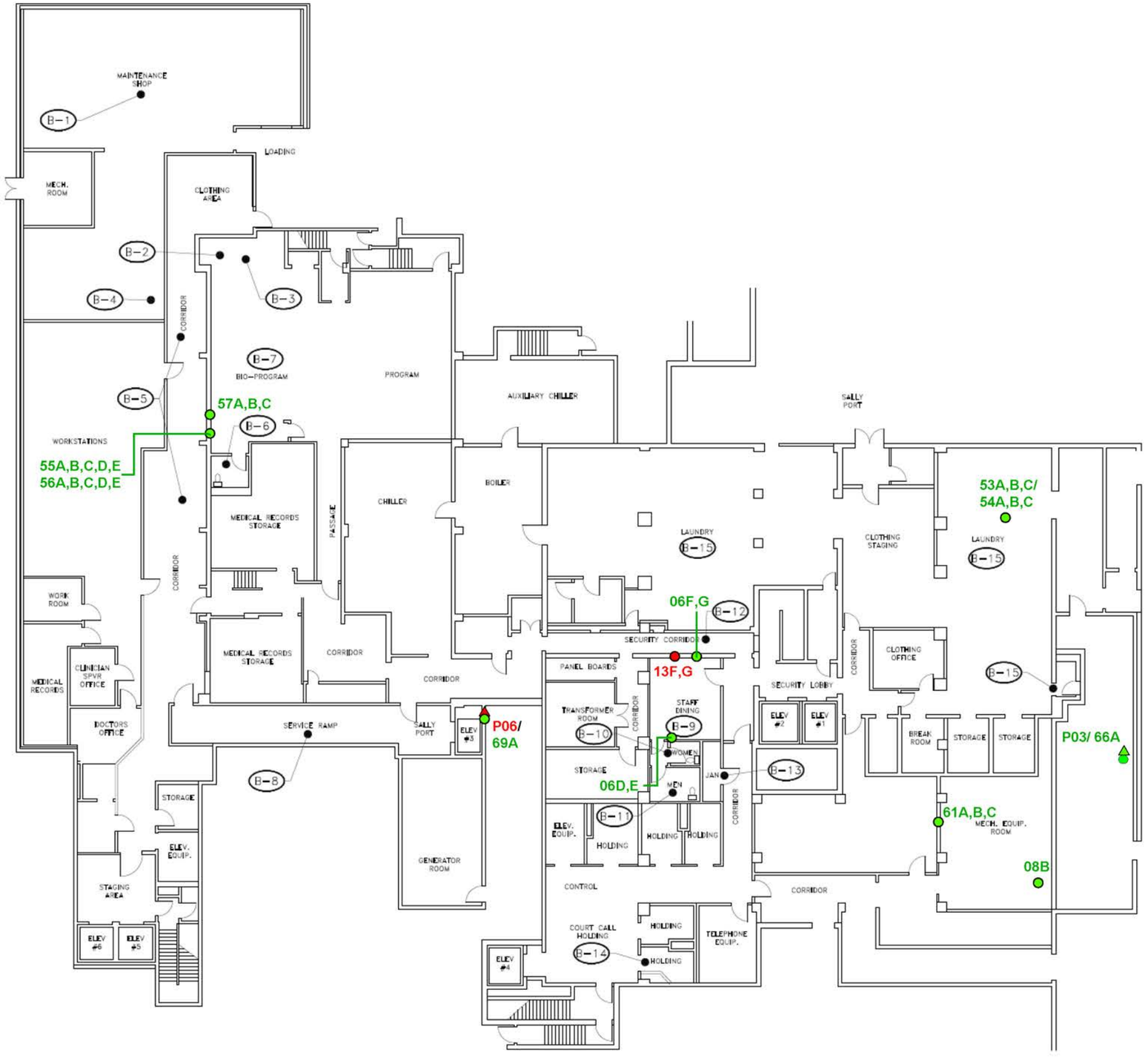


Figure No.

1

Title

Basement - Sample Locations

Client/Project 185806843

New Fresno Courthouse Project
Hazardous Building Materials Survey

Project Location
City of Fresno
Fresno County, California

Prepared by DL on 2026-05-08
TR by SET on 2026-05-08
IR by SR on 2026-05-08

- Asbestos-Containing Material Sample
- Non Asbestos Bulk Sample Location
- Lead-Based Paint Sample
- Non Lead-Based Paint Sample

Notes
1. Data Sources: Stantec 2026.
2. Background: South Annex Jail ADA Transition Plan Report | Lars Anderson & Associates, Inc | Civil Engineers - Land Surveyors - Planners | South Annex Jail - Basement Locations Map | 2014

Stantec

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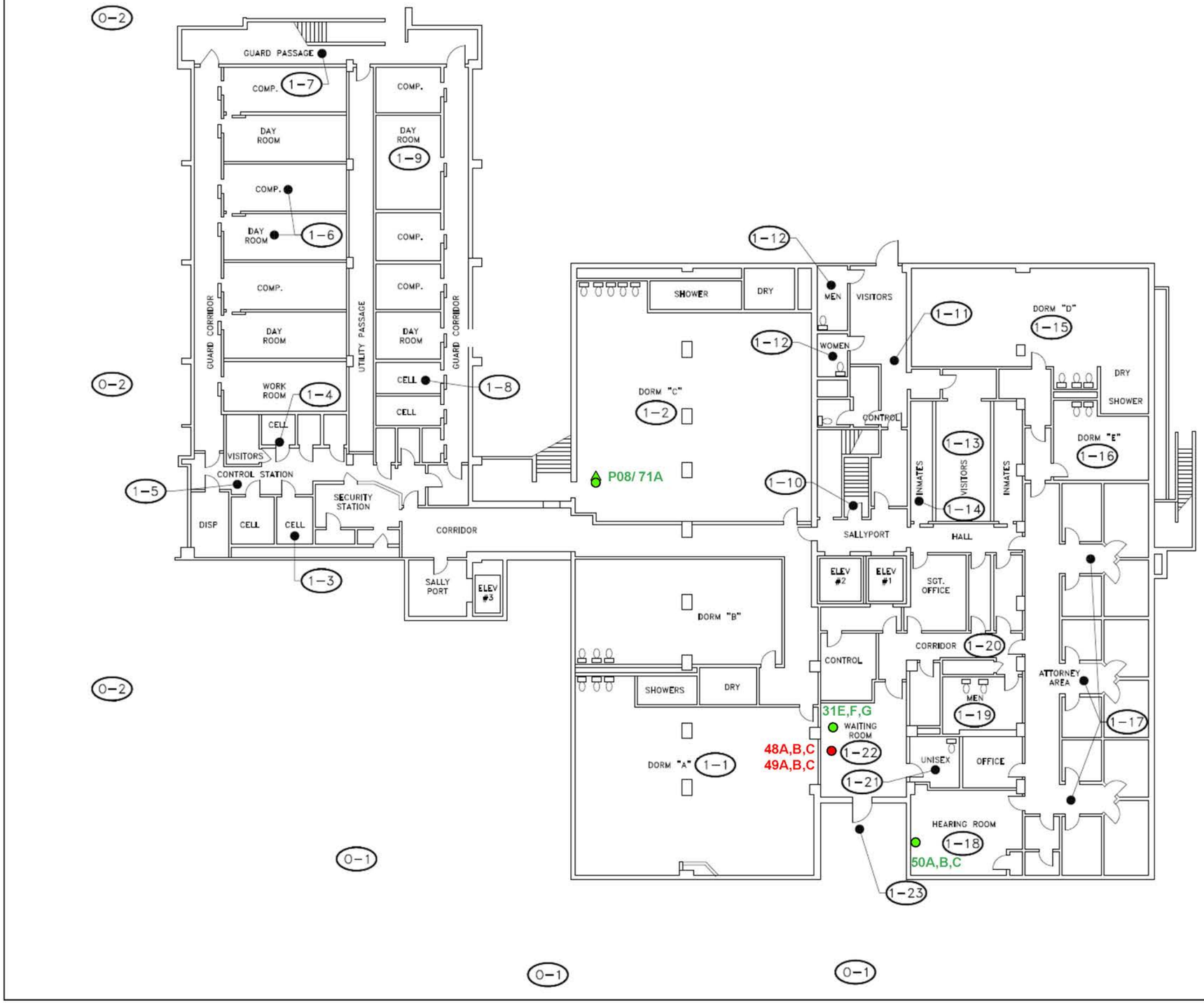


Figure No.

2

Title

First Floor - Sample Locations

Client/Project 185806843

New Fresno Courthouse Project
Hazardous Building Materials Survey

Project Location
City of Fresno
Fresno County, California

Prepared by DL on 2026-05-08
TR by SET on 2026-05-08
IR by SR on 2026-05-08

- Asbestos-Containing Material Sample
- Non Asbestos Bulk Sample Location
- Non Lead-Based Paint Sample

Notes

1. Data Sources: Stantec 2026.
2. Background: South Annex Jail ADA Transition Plan Report | Lars Anderson & Associates, Inc | Civil Engineers - Land Surveyors - Planners | South Annex Jail - First Floor Locations Map | 2014

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Figure No.

3

Title

Second Floor - Sample Locations

Client/Project 185806843

New Fresno Courthouse Project
Hazardous Building Materials Survey

Project Location
City of Fresno
Fresno County, California

Prepared by DL on 2026-05-08
TR by SET on 2026-05-08
IR by SR on 2026-05-08

- Asbestos-Containing Material Sample
- Non Asbestos Bulk Sample Location
- Non Lead-Based Paint Sample

Notes

1. Data Sources: Stantec 2026.
2. Background: South Annex Jail ADA Transition Plan Report | Lars Anderson & Associates, Inc | Civil Engineers - Land Surveyors - Planners | South Annex Jail - Second Floor Locations Map | 2014

Stantec

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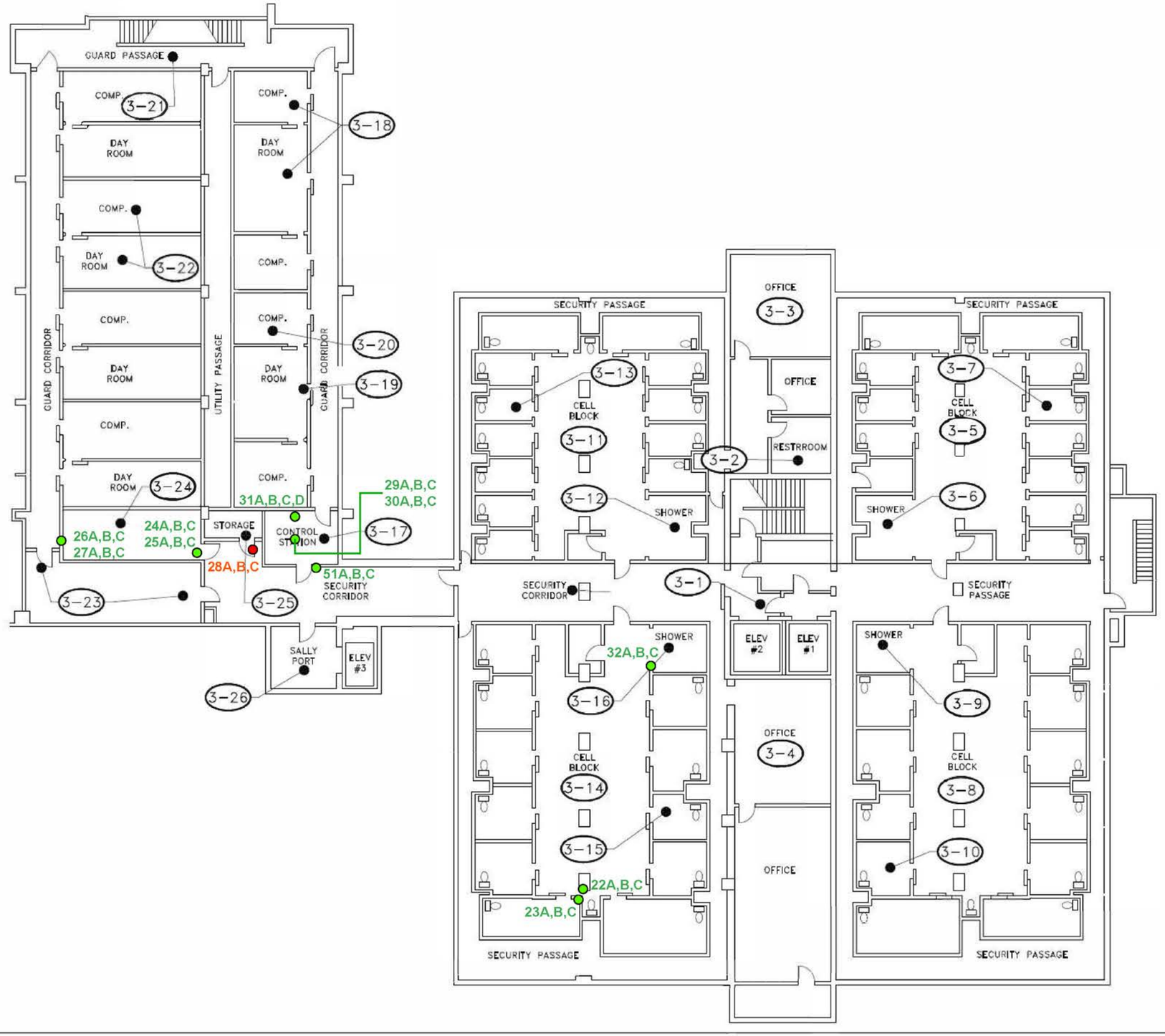


Figure No.
4

Title
Third Floor - Sample Locations

Client/Project 185806843

New Fresno Courthouse Project
Hazardous Building Materials Survey

Project Location
City of Fresno
Fresno County, California

Prepared by DL on 2026-05-08
TR by SET on 2026-05-08
IR by SR on 2026-05-08

- Asbestos - Containing Material Sample
- Non Asbestos Bulk Sample Location

Notes
1. Data Sources: Stantec 2026.
2. Background: South Annex Jail ADA Transition Plan Report | Lars Anderson & Associates, Inc | Civil Engineers - Land Surveyors - Planners | South Annex Jail - Third Floor Locations Map | 2014

Stantec

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Figure No.
5

Title
Fourth Floor - Sample Locations

Client/Project 185806843

New Fresno Courthouse Project
Hazardous Building Materials Survey

Project Location
City of Fresno
Fresno County, California

Prepared by DL on 2026-05-08
TR by SET on 2026-05-08
IR by SR on 2026-05-08

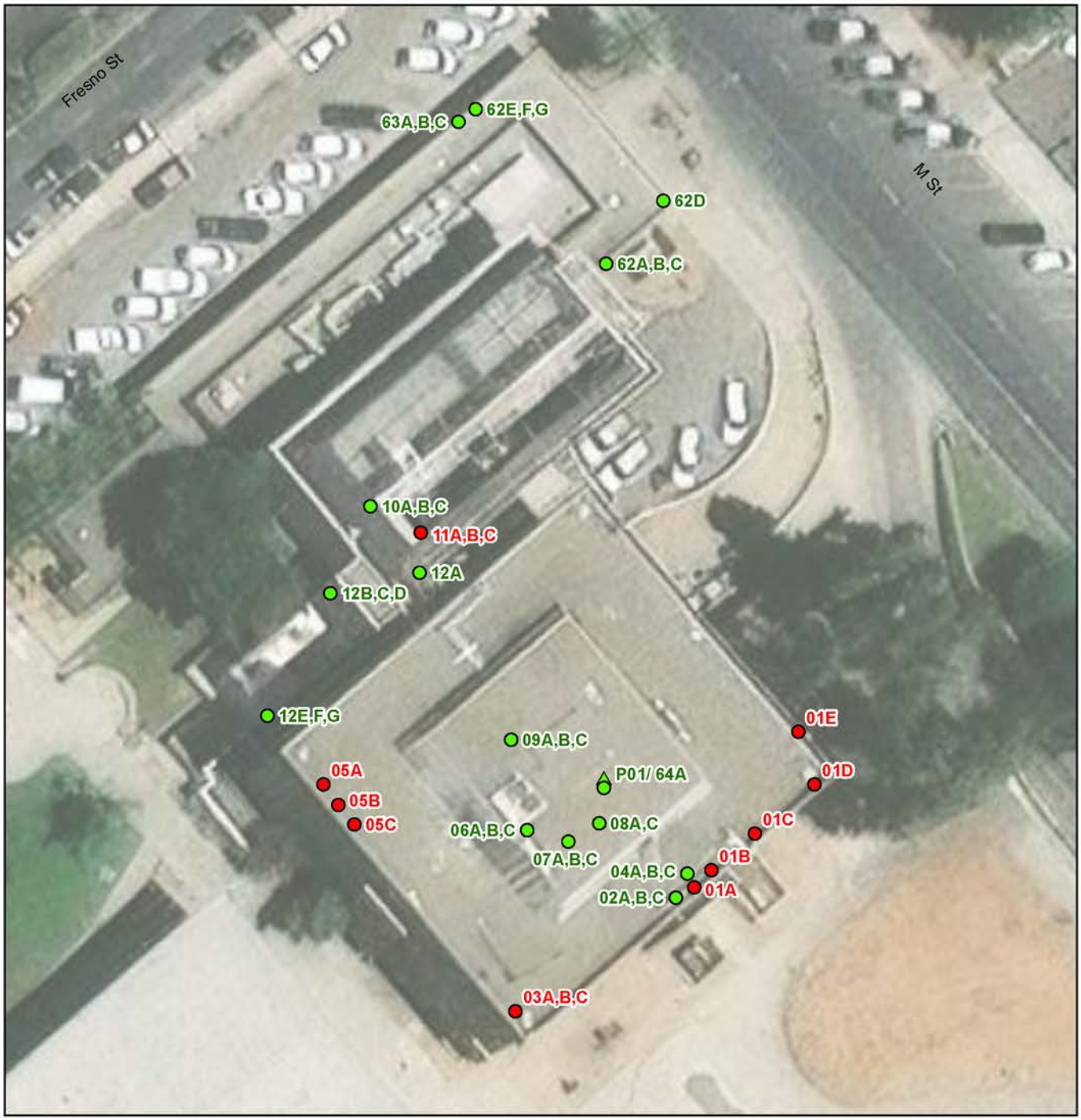
- Asbestos-Containing Material Sample
- Non Asbestos Bulk Sample Location
- Lead-Based Paint Sample
- Non Lead-Based Paint Sample

Notes
1. Data Sources: Stantec 2026.
2. Background: South Annex Jail ADA Transition Plan Report | Lars Anderson & Associates, Inc | Civil Engineers - Land Surveyors - Planners | South Annex Jail - Fourth Floor Locations Map | 2014

Stantec

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- Asbestos-Containing Material Sample
- Non Asbestos Bulk Sample Location
- Non Lead-Based Paint Sample

0 22.5 45 Feet

(At original document size of 8.5x11)
1:540

N

Stantec

Project Location
City of Fresno
Fresno County, California

Prepared by DL on 2026-05-22
TR by SET on 2026-05-22
IR by SR on 2026-05-22

185806843

Client/Project
New Fresno Courthouse Project
Hazardous Building Materials Survey

Figure No.
6

Title
Roof & Exterior - Sample Locations

Notes
1. Coordinate System: NAD 1983 StatePlane California III FIPS 0403 Feet
2. Data Sources: Stantec 2025.
3. Background: World Imagery: Microsoft, Vantor

U:\185806843\185806843_JCC_Fresno_Courthouse\185806843_JCC_Fresno_Courthouse\03_data\gis_cad\gis\pro\Fresno_Courthouse_20251112\Fresno_Courthouse_20251112\Fresno_Courthouse_20251112.aprx Revised: 2026-05-22 By: dalaw

Disclaimer: This document has been prepared based on information provided by others as cited in the Notes section. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Stantec assumes no responsibility for data supplied in electronic format, and the recipient accepts full responsibility for verifying the accuracy and completeness of the data.

APPENDIX D

Photographic Log



Photo #1 View of the Fresno County Sheriff's Administration Building (2200 Fresno Street).



Photo #2 View of South Annex Jail (2280 Fresno Street) exterior finishes.



Photo #3 View of a lobby interior (2200 Fresno Street).

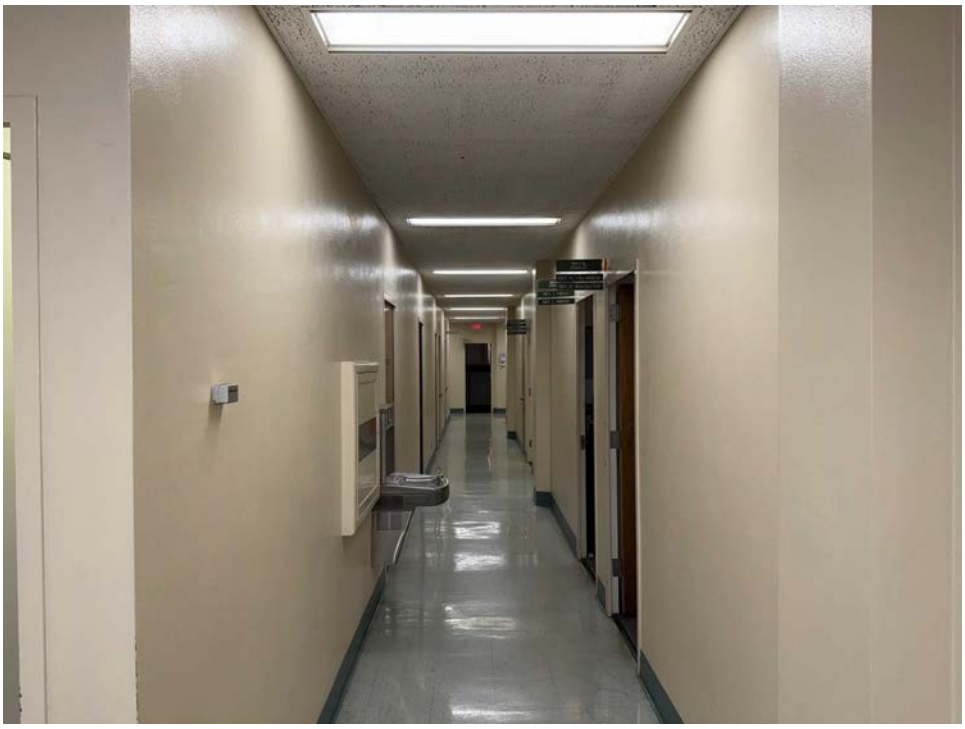


Photo #4 View of a typical corridor (2200 Fresno Street).



Photo #5 View of a typical meeting room (2200 Fresno Street).



Photo #6 View of a typical meeting room (2200 Fresno Street).

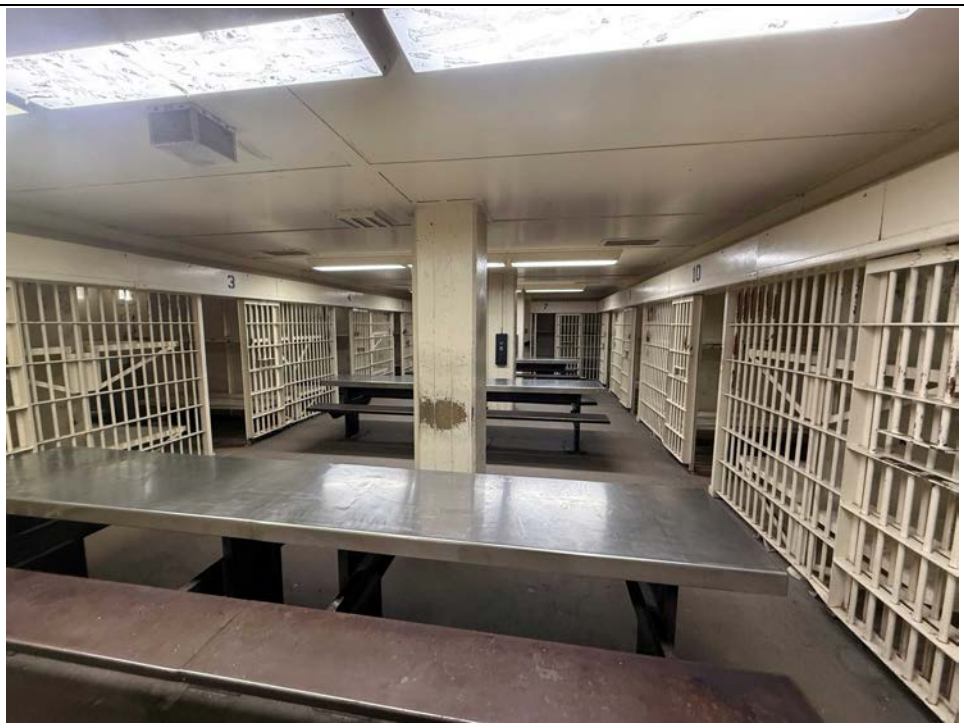


Photo #7 View of a typical jail area (2280 Fresno Street).

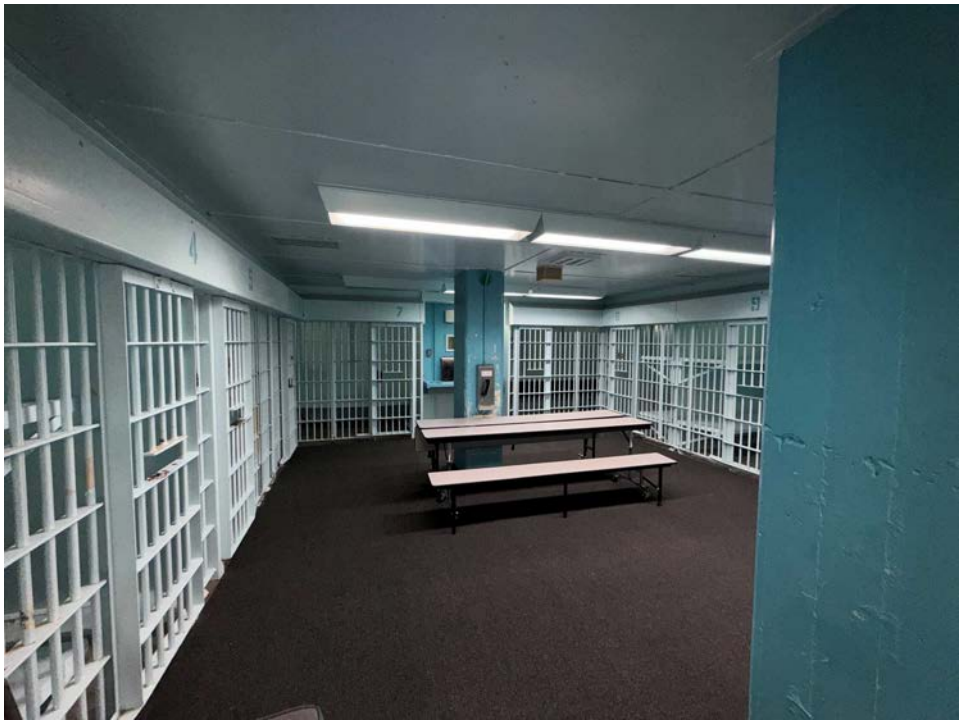


Photo #8 View of a typical jail area (2280 Fresno Street).



Photo #9 View of a typical jail cell (2280 Fresno Street).



Photo #10 View of a typical shower within the jail (2280 Fresno Street).



Photo #11 View of a typical corridor within the jail (2280 Fresno Street).



Photo #12 View of a typical break room (2280 Fresno Street).



Photo #13 View of a typical office area (2280 Fresno Street).



Photo #14 View of a typical medical exam room (2280 Fresno Street).



Photo #15 View of a laundry area (2280 Fresno Street).

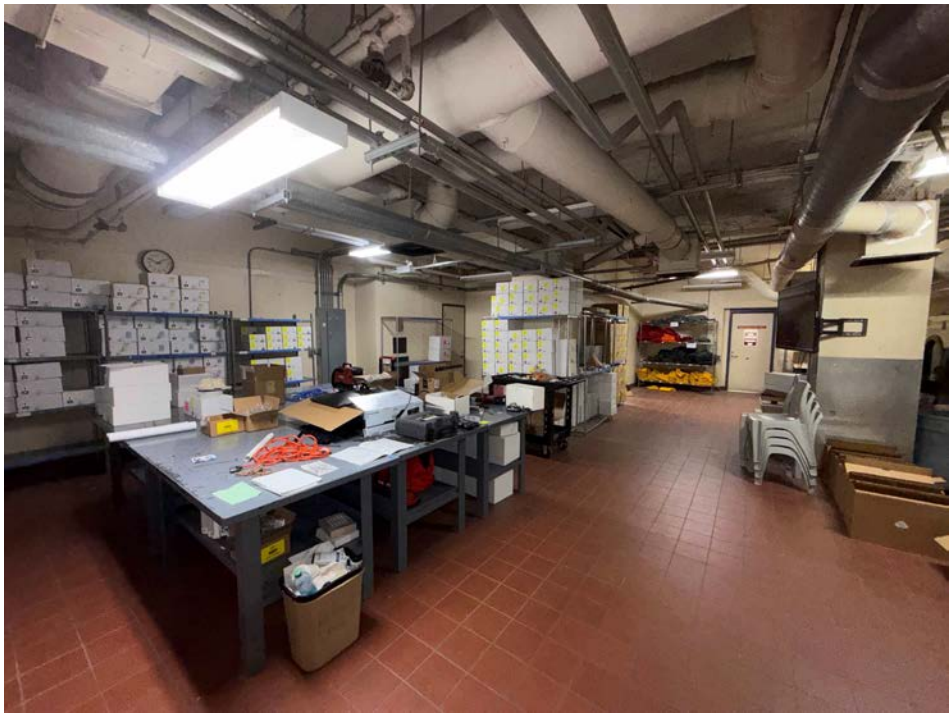


Photo #16 View of a typical storage and maintenance area (2280 Fresno Street).



Photo #17 View of typical pipes in an equipment area (2280 Fresno Street).



Photo #18 View of a mattress cleaning station (2280 Fresno Street).



Photo #19 View of typical roof finishes (2280 Fresno Street).



Photo #20 View of typical roof finishes (2280 Fresno Street).



Photo #21 View of typical roof finishes (2280 Fresno Street).



Photo #22 View of an interior parapet wall at the roof; HA #01, tar paper and petromat (ACM).



Photo #23 View of light gray roof sealant (HA #03, ACM).



Photo #24 View of white/yellow roof sealant (HA #05, ACM).



Photo #25 View of gray roof sealant (HA #11, ACM).



Photo #26 View of exterior stucco (HA #12, <0.1% Chrysotile).



Photo #27 View of ceiling tile and adhesive (HA #13, ACM [brown adhesive]).



Photo #28 View of ceiling tile and adhesive (HA #28, ACM [ceiling tile]).



Photo #29 View of fireproofing (HA #37, ACM).



Photo #30 View of gray/green 9” x 9” vinyl floor tile (HA #48, ACM) and black adhesive (HA #49, ACM).



Photo #31 View of white paint (P01).



Photo #32 View of multi-layer white, red paint (P02, lead-containing paint).



Photo #33 View of white paint (P03).



Photo #34 View of multi-layer light blue, red paint (P04).

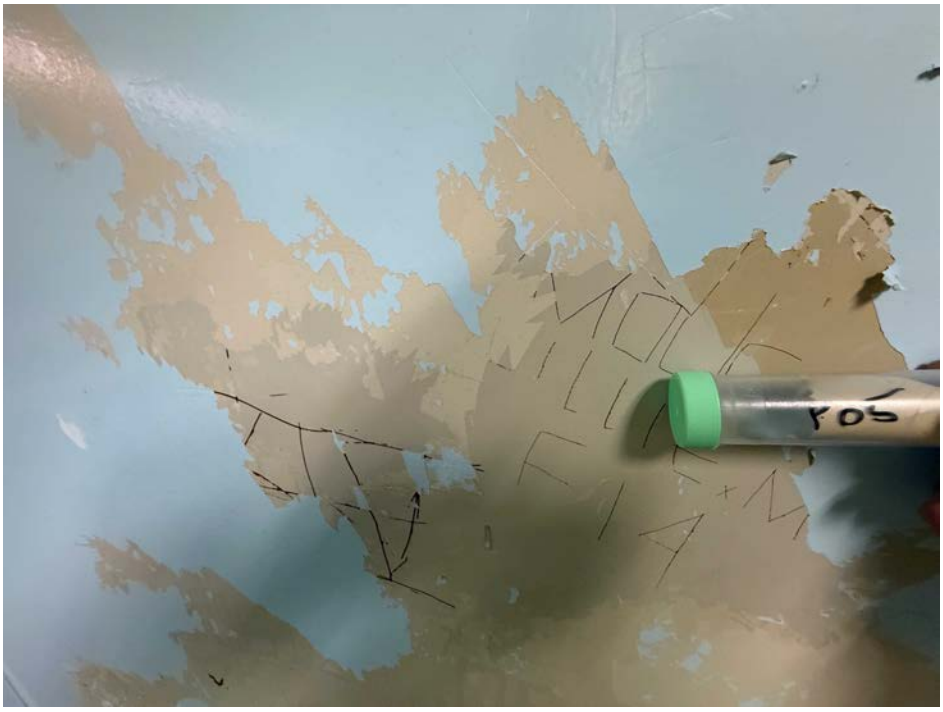


Photo #35 View of multi-layer powder blue, tan paint (P05).



Photo #36 View of red paint on concrete floor of the basement elevator reservoir room (P06, lead-based paint).



Photo #37 View of multi-layer green, blue, red paint (P07).



Photo #38 View of gray paint (P08).



Photo #39 View of typical elevator equipment.



Photo #40 View of typical elevator equipment.



Photo #41 View of typical water treatment chemical storage.



Photo #42 View of typical compressed gas storage.

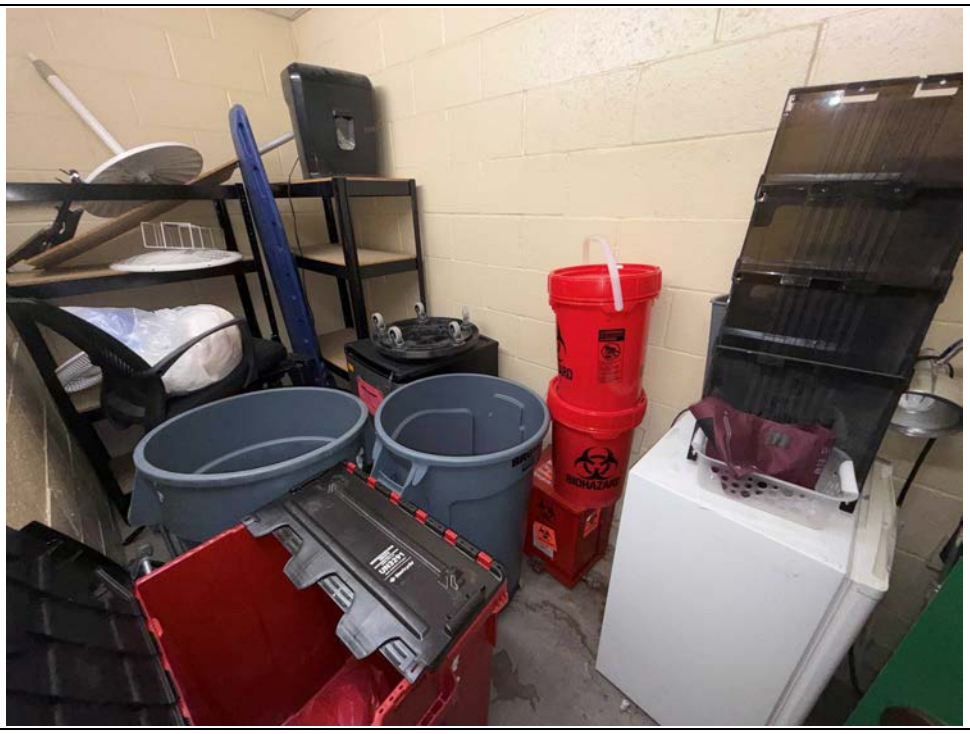


Photo #43 View of typical biohazard waste storage.



Photo #44 View of a typical light fixture.



Photo #45 View of a typical thermostat (2200 Fresno Street).



Photo #46 View of typical exit lighting (2200 Fresno Street).

APPENDIX E

Laboratory Analytical Reports and Bulk Sample Logs

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
www.emsl.com

EMSL Order ID: 012619079
LIMS Reference ID: AE19079
EMSL Customer ID: 32ENRE78

Attention: Scott Edblad
Stantec Consulting Services Inc. [32ENRE78]
4572 Telephone Road, Suite 916
Ventura, CA 93003
(805) 644-4157
scott.edblad@stantec.com

Project Name: Fresno County Courthouse - South Annex Jail / 185806843.17.1

Customer PO: 185806843.17.1
EMSL Sales Rep: Randy Cavadini
Received: 05/04/2026 09:00
Reported: 05/08/2026 12:39

Analytical Results

Analyte	Results	RL	Weight	Prep Date & Tech	Prep Method	Analysis Date & Analyst	Analytical Method	Q	DF
Client Sample ID: P 01/Penthouse - TSI - Canvas Wrap - East Side 4" Pipe - White									**Date Sampled: 04/22/26**
Matrix: Chips									**LIMS Reference ID: AE19079-01**
Lead	<0.0064 % wt	0.0064 % wt	0.2728 g	05/06/26 TMC	SW-846 3050B	05/08/26 PMx	SW846-7000B	Pb3, Pb7	1
Client Sample ID: P 02/4th Floor - Control Door Panel - Metal - Corridor - White-Red									**Date Sampled: 04/22/26**
Matrix: Chips									**LIMS Reference ID: AE19079-02**
Lead	0.010 % wt	0.0064 % wt	0.2762 g	05/06/26 TMC	SW-846 3050B	05/08/26 PMx	SW846-7000B	Pb3, Pb7	1
Client Sample ID: P 03/Laundry - Wall - Concrete - Clothes Storage - White									**Date Sampled: 04/23/26**
Matrix: Chips									**LIMS Reference ID: AE19079-03**
Lead	<0.0064 % wt	0.0064 % wt	0.2836 g	05/06/26 TMC	SW-846 3050B	05/08/26 PMx	SW846-7000B	Pb3, Pb7	1
Client Sample ID: P 04/4th Floor - Desk - Metal - Desk Top - Work Area - Light Blue									**Date Sampled: 04/22/26**
Matrix: Chips									**LIMS Reference ID: AE19079-04**
Lead	<0.0064 % wt	0.0064 % wt	0.2529 g	05/06/26 TMC	SW-846 3050B	05/08/26 PMx	SW846-7000B	Pb3, Pb7	1
Client Sample ID: P 05/4th Floor - Desk - Metal - Metal Wall / Work Area - Powder Blue/Tan									**Date Sampled: 04/22/26**
Matrix: Chips									**LIMS Reference ID: AE19079-05**
Lead	<0.0064 % wt	0.0064 % wt	0.2702 g	05/06/26 TMC	SW-846 3050B	05/08/26 PMx	SW846-7000B	Pb3, Pb7	1
Client Sample ID: P 06/Basement - Floor - Concrete - Elevator Reservoir Room - Red									**Date Sampled: 04/23/26**
Matrix: Chips									**LIMS Reference ID: AE19079-06**
Lead	5.3 % wt	0.27 % wt	0.2948 g	05/06/26 TMC	SW-846 3050B	05/08/26 PMx	SW846-7000B	Pb3, Pb7, D	50
Client Sample ID: P 07/2nd Floor - Door Frame - Metal - Medical Office Door - Green - Blue - Red									**Date Sampled: 04/22/26**
Matrix: Chips									**LIMS Reference ID: AE19079-07**
Lead	<0.0064 % wt	0.0064 % wt	0.2878 g	05/06/26 TMC	SW-846 3050B	05/08/26 PMx	SW846-7000B	Pb3, Pb7	1
Client Sample ID: P 08/1st Floor - Floor - Concrete - Training Room / Sert - Gray									**Date Sampled: 04/22/26**
Matrix: Chips									**LIMS Reference ID: AE19079-08**
Lead	<0.0064 % wt	0.0064 % wt	0.2564 g	05/06/26 TMC	SW-846 3050B	05/08/26 PMx	SW846-7000B	Pb3, Pb7	1

EMSL Analytical, Inc.

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LIMS Reference ID: AE19079
EMSL Customer ID: 32ENRE78

Attention: Scott Edblad
Stantec Consulting Services Inc. [32ENRE78]
4572 Telephone Road, Suite 916
Ventura, CA 93003
(805) 644-4157
scott.edblad@stantec.com

Project Name: Fresno County Courthouse - South Annex Jail / 185806843.17.1

Customer PO: 185806843.17.1
EMSL Sales Rep: Randy Cavadini
Received: 05/04/2026 09:00
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Certified Analyses included in this Report

Analyte	Certifications
SW846-7000B in Chips	
Lead	AIHA LAP

List of Certifications

Code	Description	Number	Expires
NJDEP	New Jersey Department of Environmental Protection	03036	06/30/2026
AIHA LAP	American Industrial Hygiene Association (AIHA LAP, LLC)	100194	04/01/2027
NYSDOH	New York State Department of Health ELAP	10872	04/01/2026
California ELAP	California Water Boards	1877	06/30/2026
A2LA	A2LA Environmental Certificate	2845.01	07/31/2026
21-A2LA	A2LA Food Chem/Mat Sci	2845.15	07/31/2026
PADEP	Pennsylvania Department of Environmental Protection	68-00367	11/30/2026
MADEP	Massachusetts Department of Environmental Protection	M-NJ337	06/30/2026
CTDPH	Connecticut Department of Public Health	PH-0270	06/30/2026

Please see the specific Field of Testing (FOT) on www.emsl.com <http://www.emsl.com> for a complete listing of parameters for which EMSL is certified.

Notes and Definitions

Item	Definition
D	Analyte was reported from a dilution run.
Pb3	The QC sample duplicate RPD result for Lead was outside of the method control limits.
Pb7	The RLVS recovery for Lead was outside of the method control limits.
(Dig)	For metals analysis, sample was digested.
[2C]	Reported from the second channel in dual column analysis.
DA	Direct Analysis
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the reporting limit, or the mdl if provided.
NR	Spike/Surrogate showed no recovery.
Q	Qualifier
RCS	Respirable Crystalline Silica
RL	Reporting Limit For paint chips, the RL is 0.0064% by wt. (equiv. to 64 mg/kg, or ppm) based upon a minimum sample weight of 0.25 grams. For soils, the RL is 32 mg/kg (ppm) based upon a minimum sample weight of 0.5 grams. For dust wipes, the RL is 8 µg/wipe; reporting units of µg/sq. ft. are not validated by the lab based upon data provided by non-lab personnel.
Wet	Sample is not dry weight corrected.

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EMSL Order ID: 012619079
LIMS Reference ID: AE19079
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Attention: Scott Edblad
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4572 Telephone Road, Suite 916
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(805) 644-4157
scott.edblad@stantec.com

Project Name:	Fresno County Courthouse - South Annex Jail / 185806843.17.1
Customer PO:	185806843.17.1
EMSL Sales Rep:	Randy Cavadini
Received:	05/04/2026 09:00
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Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.



Owen McKenna Laboratory Manager or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. QC sample results are within quality control criteria and met method specifications unless otherwise noted. All results for soil samples are reported on a dry weight basis, unless otherwise noted.

Analysis following EMSL SOP for the Determination of Environmental Lead by FLAA. The laboratory has a reporting limit of 0.0064% by wt., based upon a minimum sample weight of 0.25g submitted to the lab, and is not responsible for any result or reporting limit provided in mg/cm2 since it is dependent upon an area value provided by non-lab personnel. A "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty and definitions of modifications are available upon request. Results in this report are not blank corrected unless specified.

EMSL Analytical, Inc.

Lead Chain of Custody

EMSL Order Number / Lab Use Only: AE19079

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: cs@emsl.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information		Billing Information	
Custo		Billing ID	
Company Name:	Stantec, Ventura, CA 93003	Company Name:	32ENRE78
Contact Name:	Scott Edblad	Billing Contact:	Scott Edblad
Street Address:	4572 Telephone Road Suite 916	Street Address:	4572 Telephone Road, Suite 916
City, State, Zip:	Ventura CA 93003	Country: US	Ventura CA 93003 Country: US
Phone:	(661) 754-0862	Phone:	(661) 754-0862
Email(s) for Report:	scott.edblad@stantec.com	Email(s) for Invoice:	scott.edblad@stantec.com

Project Information

Project Name/No:	Fresno County Courthouse-South Annex Jail / 185806843.17.1	Purchase Order:	185806843.17.1
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected:	CA
State of Connecticut (CT) must select project location:	☐ Commercial (Taxable) ☐ Residential (Non-Taxable)		
Sampled By Name:	Scott Edblad	Sampled By Signature:	[signature]
No. of Samples in Shipment	8		

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☑ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☑ % by wt. ☐ ppm (mg/kg) ☐ mg/cm² *Sample Area Required below for mg/cm²	SW 846-7000B	Flame Atomic Absorption	*Please select reporting on left - 0.0064% - 64 ppm - mg/cm2 - RL is Variable	☑
*Chips reporting Limit based on a minimum 0.25g sample weight. Not appropriate for Ceramic Tiles - XRF is recommended.	SW 846-6010D	ICP-OES	*Please select reporting on left - 0.0004% - 4 ppm - mg/cm2 - RL is Variable	☐
AIR	NIOSH 7082	Flame Atomic Absorption	3.2 µg/filter	☐
	NIOSH 7303M	ICP-OES	1.0µ g/filter	☐
	NIOSH 7303M	ICP-MS	0.05 µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B*	Flame Atomic Absorption	8 µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D*	ICP-OES	1.0 µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.32 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.32 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	32 mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2 mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.32 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	32 mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2 mg/kg (ppm)	☐
Wastewater ☐ Unpreserved ☐ Preserved with HNO3 ☐ PH<2	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.32 mg/L (ppm)	☐
	EPA 200.7 / 6010D	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water ☐ Unpreserved ☐ Preserved with HNO3 ☐ PH<2	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
		ICP-MS	0.6 µg/filter	☐
Other:				

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
	See Attached Paint Chip Sample Logs		

Method of Shipment: FEDEX

Relinquished by: [signature]	Date/Time: 04/29/26 1830	Received by: [signature] EFI	Date/Time: 5/1/26 10:40
Relinquished by:	Date/Time:	Received by: [signature] 5-01-26	Date/Time: 9am

Sample Condition Upon Receipt:

RECEIVED
EMSL
CINNAMINSON, NJ
2026 MAY -2 A 10:40

Controlled Document COC-25 Lead R22 03/28/2025

*6010C Available Upon Request

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

Paint Chip Sample Log

Stantec
4572 Telephone Road, Suite 916
Ventura, CA 93003
Tel: (805) 230-1266
Fax: (805) 230-1277

AE19079

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:
Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721
Date: 04/22/26 & *04/23/26
Inspector: Scott Edblad
Bella Santos

RECEIVED EMSL ANALYTICAL, INC. MIDLAND, TX 2026 MAY -5 A 8:50

Sample Number	Room	Component	Substrate	Sample Location*	Quantity Estimate	Notes/Condition / Paint Color
P01	PENTHOUSE	TSI	CANVAS WRAP	EAST SIDE 4" PIPE	20 SF HA#64	POOR/WHITE
P02	4TH FLOOR	CONTROL DOOR PANEL	METAL	CORRIDOR	15 SF HA#65	MULTI-LAYER POOR/WHITE-RED
*P03	LAUNDRY	WALL	CONCRETE	CLOTHES STORAGE	500SF HA#66	RESIDUAL POOR/WHITE
P04	4TH FLOOR	DESK	METAL	DESK TOP / WORK AREA	15 SF HA#67	MULTI-LAYER POOR/LIGHT BLUE
P05	4TH FLOOR	WALL	METAL	METAL WALL / WORK AREA	50SF HA#68	MULTI-LAYER RED POOR/POWDER BLUE TAN
*P06	BASEMENT	FLOOR	CONCRETE	ELEVATOR RESERVOIR ROOM	100SF HA#69	POOR/RED
P07	2ND FLOOR	DOOR FRAME	METAL	MEDICAL OFFICE DOOR	10SF HA#70	MULTI-LAYER POOR/GREEN-BLUE-RED
P08	1ST FLOOR	FLOOR	CONCRETE	TRAINING ROOM / SERT.	200SF HA#71	POOR/GRAY

* - Include sample dimensions if trying to achieve mg/cm².

Relinquished By: [signature] Date: 04/29/26 Received By: [signature] Date: 5/1/26
Relinquished By: Date: Received By: E Quinn 5-04-26 Date:

Page 1 of 1

EMSL Analytical, Inc.

Lead Chain of Custody

EMSL Order Number / Lab Use Only: AE19079

EMSL ANALYTICAL, INC.
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Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: cs@emsl.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Stantec, Ventura, CA 93003	Company Name:	32ENRE78
Contact Name:	Scott Edblad	Billing Contact:	Scott Edblad
Street Address:	4572 Telephone Road Suite 916	Street Address:	4572 Telephone Road, Suite 916
City, State, Zip:	Ventura CA 93003	Country: US	Ventura CA 93003 Country: US
Phone:	(661) 754-0862	Phone:	(661) 754-0862
Email(s) for Report:	scott.edblad@stantec.com	Email(s) for Invoice:	scott.edblad@stantec.com

Project Information

Project Name/No:	Fresno County Courthouse-South Annex Jail / 185806843.17.1	Purchase Order:	185806843.17.1
EMSL LIMS Project ID (If applicable, EMSL will provide)		US State where samples collected:	CA
State of Connecticut (CT) must select project location:	☐ Commercial (Taxable) ☐ Residential (Non-Taxable)		
Sampled By Name:	Scott Edblad	Sampled By Signature:	
No. of Samples in Shipment:	8		

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☑ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☑ % by wt. ☐ ppm (mg/kg) ☐ mg/cm² *Sample Area Required below for mg/cm² *Chips reporting Limit based on a minimum 0.25g sample weight. Not appropriate for Ceramic Tiles - XRF is recommended.	SW 846-7000B	Flame Atomic Absorption	*Please select reporting on left - 0.0064% - 64 ppm - mg/cm2 - RL is Variable	☑
	SW 846-6010D	ICP-OES	*Please select reporting on left - 0.0004% - 4 ppm - mg/cm2 - RL is Variable	☐
AIR	NIOSH 7082	Flame Atomic Absorption	3.2 µg/filter	☐
	NIOSH 7303M	ICP-OES	1.0µ g/filter	☐
	NIOSH 7303M	ICP-MS	0.05 µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B*	Flame Atomic Absorption	8 µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D*	ICP-OES	1.0 µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.32 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.32 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	32 mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2 mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.32 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	32 mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2 mg/kg (ppm)	☐
Wastewater Unpreserved ☐ Preserved with HNO3 ☐ PH<2	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.32 mg/L (ppm)	☐
	EPA 200.7 / 6010D	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water Unpreserved ☐ Preserved with HNO3 ☐ PH<2	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
		ICP-MS	0.6 µg/filter	☐
Other:				

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
	See Attached Paint Chip Sample Logs		

Method of Shipment: FEDEX

Sample Condition Upon Receipt:

Relinquished by:	Date/Time: 04/29/26 1830	Received by: EF+	Date/Time: 5/1/26 10:40
Relinquished by:	Date/Time:	Received by: 5-01-26	Date/Time: 9am

2026 MAY -2 A 10:40 RECEIVED EMSL CINNAMINSON, NJ

Controlled Document COC-25 Lead R22 03/28/2025

*6010C Available Upon Request

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

Paint Chip Sample Log

4572 Telephone Road, Suite 916
Ventura, CA 93003
Tel: (805) 230-1266
Fax: (805) 230-1277

AE19079

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/26 & *04/23/26
Inspector: Scott Edblad
Bella Santos

RECEIVED EMSL ANALYTICAL INC. 2026 MAY -5 AM 8:00

Sample Number	Room	Component	Substrate	Sample Location*	Quantity Estimate	Notes/Condition / Paint Color
P01	PENTHOUSE	TSI	CANVAS WRAP	EAST SIDE 4" PIPE	HA#64 20 SF	POOR/WHITE
P02	4TH FLOOR	CONTROL DOOR PANEL	METAL	CORRIDOR	HA#65 15 SF	MULTI-LAYER POOR/WHITE-RED
*P03	LAUNDRY	WALL	CONCRETE	CLOTHES STORAGE	HA#66 500SF	RESIDUAL POOR/WHITE
P04	4TH FLOOR	DESK	METAL	DESK TOP / WORK AREA	HA#67 15 SF	MULTI-LAYER POOR/LIGHT BLUE
P05	4TH FLOOR	WALL	METAL	METAL WALL / WORK AREA	HA#68 50SF	MULTI-LAYER POOR/POWDER BLUE RED TAN
*P06	BASEMENT	FLOOR	CONCRETE	ELEVATOR RESERVOIR ROOM	HA#69 100SF	POOR/RED
P07	2ND FLOOR	DOOR FRAME	METAL	MEDICAL OFFICE DOOR	HA#70 10SF	MULTI-LAYER POOR/GREEN-BLUE-RED
P08	1ST FLOOR	FLOOR	CONCRETE	TRAINING ROOM / SERT.	HA#71 200SF	POOR/GRAY

* - Include sample dimensions if trying to achieve mg/cm².

Relinquished By: [signature] Date: 04/23/26 Received By: [signature] Date: 5/8/26
Relinquished By: Date: Received By: E Quinn 5-04-26 Date:

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EMSL Order ID:	042608661
Customer ID:	32ENRE78
Customer PO:	185806843.17.1
Project ID:	

Attn:	Scott Edblad	Phone:	(805) 644-4157
	Stantec Consulting Services Inc.	Fax:	(805) 644-4157
	4572 Telephone Road	Collected:	4/23/2026
	Suite 916	Received:	5/02/2026
	Ventura, CA 93003	Analyzed:	5/08/2026

Proj: Fresno County Courthouse - South Annex Jail - 185806843.17.1 - 2280 Fresno Street, Fresno, CA 93721

Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 01A **Lab Sample ID:** **042608661-0001**

Sample Description: Roof - South Wall/Tar Paper - Black Interior Parapet Wall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/Black	0.0%	55.0%	**45% Chrysotile**	

Client Sample ID: 01B **Lab Sample ID:** **042608661-0002**

Sample Description: Roof - South Wall/Tar Paper - Black Interior Parapet Wall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/Black	0.0%	70.0%	**30% Chrysotile**	

Client Sample ID: 01C-Tar Paper **Lab Sample ID:** **042608661-0003**

Sample Description: Roof - South Wall/Tar Paper - Black Interior Parapet Wall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Brown/Black	55.0%	45.0%	None Detected	

Client Sample ID: 01C-Petromat **Lab Sample ID:** **042608661-0003A**

Sample Description: Roof - South Wall/Petromat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/Black	0.0%	55.0%	**45% Chrysotile**	

Client Sample ID: 01D-Tar Paper **Lab Sample ID:** **042608661-0004**

Sample Description: Roof - South Wall/Tar Paper - Black Interior Parapet Wall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Brown/Black	55.0%	45.0%	None Detected	

Client Sample ID: 01D-Petromat **Lab Sample ID:** **042608661-0004A**

Sample Description: Roof - South Wall/Petromat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/Black	0.0%	55.0%	**45% Chrysotile**	

Client Sample ID: 01E-Tar Paper **Lab Sample ID:** **042608661-0005**

Sample Description: Roof - North Side/Tar Paper - Black Interior Parapet Wall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026				Layer Not Present	

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EMSL Order ID:	042608661
Customer ID:	32ENRE78
Customer PO:	185806843.17.1
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 01E-Petromat ***Lab Sample ID:*** **042608661-0005A**

Sample Description: Roof - North Side/Petromat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black	0.0%	65.0%	**35% Chrysotile**	

Client Sample ID: 02A ***Lab Sample ID:*** **042608661-0006**

Sample Description: South Roof/Clay - Orange Thermal Clay Pipe; Flat Shaped

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Red/Orange	0.0%	100.0%	None Detected	

Client Sample ID: 02B ***Lab Sample ID:*** **042608661-0007**

Sample Description: South Roof/Clay - Orange Thermal Clay Pipe; Flat Shaped

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Red/Orange	0.0%	100.0%	None Detected	

Client Sample ID: 02C ***Lab Sample ID:*** **042608661-0008**

Sample Description: South Roof/Clay - Orange Thermal Clay Pipe; Flat Shaped

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Red/Orange	0.0%	100.0%	None Detected	

Client Sample ID: 03A ***Lab Sample ID:*** **042608661-0009**

Sample Description: Roof - Southwest/Sealant - Light Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Brown/Gray/Black	5.0%	30.0%	**65% Chrysotile**	

Client Sample ID: 03B ***Lab Sample ID:*** **042608661-0010**

Sample Description: Roof - Southwest/Sealant - Light Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Brown/Gray/Black	5.0%	35.0%	**60% Chrysotile**	

Client Sample ID: 03C ***Lab Sample ID:*** **042608661-0011**

Sample Description: Roof - Southwest/Sealant - Light Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown/Gray/Black	0.0%	40.0%	**60% Chrysotile**	

Client Sample ID: 04A ***Lab Sample ID:*** **042608661-0012**

Sample Description: Roof - South of the Penthouse/Roof Tread - Black Tread

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Black	20.0%	80.0%	None Detected	

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Customer ID:	32ENRE78
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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 04B **Lab Sample ID:** **042608661-0013**

Sample Description: Roof - South of the Penthouse/Roof Tread - Black Tread

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Black	20.0%	80.0%	None Detected	

Client Sample ID: 04C **Lab Sample ID:** **042608661-0014**

Sample Description: Roof - South of the Penthouse/Roof Tread - Black Tread

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black	20.0%	80.0%	None Detected	

Client Sample ID: 05A **Lab Sample ID:** **042608661-0015**

Sample Description: Roof - Throughout/Sealant - White/Yellow Penetration Sealant

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White/Black/Yellow	0.0%	95.0%	**5% Chrysotile**	Result includes a small amount of inseparable attached material

Client Sample ID: 05B **Lab Sample ID:** **042608661-0016**

Sample Description: Roof - Throughout/Sealant - White/Yellow Penetration Sealant

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White/Black/Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 05C **Lab Sample ID:** **042608661-0017**

Sample Description: Roof - Throughout/Sealant - White/Yellow Penetration Sealant

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White/Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 06A-Plaster **Lab Sample ID:** **042608661-0018**

Sample Description: Throughout/Plaster - White/Gray Plaster Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 06A-Skim Coat **Lab Sample ID:** **042608661-0018A**

Sample Description: Throughout/Plaster - White/Gray Plaster Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 06B-Plaster **Lab Sample ID:** **042608661-0019**

Sample Description: Throughout/Plaster - White/Gray Plaster Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray	0.0%	100.0%	None Detected	

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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 06B-Skim Coat ***Lab Sample ID:*** **042608661-0019A**

Sample Description: Throughout/Plaster - White/Gray Plaster Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 06C-Plaster ***Lab Sample ID:*** **042608661-0020**

Sample Description: Throughout/Plaster - White/Gray Plaster Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 06C-Skim Coat ***Lab Sample ID:*** **042608661-0020A**

Sample Description: Throughout/Plaster - White/Gray Plaster Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White	0.0%	100.0%	None Detected	Inseparable paint / coating layer included in analysis

Client Sample ID: 06D-Plaster ***Lab Sample ID:*** **042608661-0021**

Sample Description: Throughout/Plaster - White/Gray Plaster Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 06D-Skim Coat ***Lab Sample ID:*** **042608661-0021A**

Sample Description: Throughout/Plaster - White/Gray Plaster Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White	0.0%	100.0%	None Detected	Inseparable paint / coating layer included in analysis

Client Sample ID: 06E-Plaster ***Lab Sample ID:*** **042608661-0022**

Sample Description: Throughout/Plaster - White/Gray Plaster Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray	2.0%	98.0%	None Detected	

Client Sample ID: 06E-Skim Coat ***Lab Sample ID:*** **042608661-0022A**

Sample Description: Throughout/Plaster - White/Gray Plaster Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 06F ***Lab Sample ID:*** **042608661-0023**

Sample Description: Throughout/Plaster - White/Gray Plaster Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 06G ***Lab Sample ID:*** **042608661-0024**

Sample Description: Throughout/Plaster - White/Gray Plaster Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 07A ***Lab Sample ID:*** **042608661-0025**

Sample Description: Penthouse/TSI Gray Pipe Elbow White Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/Tan	15.0%	85.0%	None Detected	

Client Sample ID: 07B-TSI ***Lab Sample ID:*** **042608661-0026**

Sample Description: Penthouse/TSI Gray Pipe Elbow White Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/Tan	15.0%	85.0%	None Detected	

Client Sample ID: 07B-Wrap ***Lab Sample ID:*** **042608661-0026A**

Sample Description: Penthouse/TSI Gray Pipe Elbow Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White	90.0%	10.0%	None Detected	

Client Sample ID: 07C-TSI ***Lab Sample ID:*** **042608661-0027**

Sample Description: Penthouse/TSI Gray Pipe Elbow White Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Tan	20.0%	80.0%	None Detected	

Client Sample ID: 07C-Wrap ***Lab Sample ID:*** **042608661-0027A**

Sample Description: Penthouse/TSI Gray Pipe Elbow Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Tan	90.0%	10.0%	None Detected	

Client Sample ID: 08A-TSI ***Lab Sample ID:*** **042608661-0028**

Sample Description: Penthouse/TSI White/Yellow on the 8" And 4" Pipes Pipe Insulation

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White/Silver/Yellow	80.0%	20.0%	None Detected	Sample is wrap

Client Sample ID: 08A-Wrap 2 ***Lab Sample ID:*** **042608661-0028A**

Sample Description: Penthouse/TSI White/Yellow on the 8" And 4" Pipes Pipe Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Tan/White	90.0%	10.0%	None Detected	

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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 08B-TSI ***Lab Sample ID:*** **042608661-0029**

Sample Description: Basement/TSI White/Yellow on the 8" And 4" Pipes Pipe Insulation

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White/Yellow	90.0%	10.0%	None Detected	

Client Sample ID: 08B-Wrap ***Lab Sample ID:*** **042608661-0029A**

Sample Description: Basement/TSI White/Yellow on the 8" And 4" Pipes Pipe Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Silver/Clear	20.0%	80.0%	None Detected	

Client Sample ID: 08C-TSI ***Lab Sample ID:*** **042608661-0030**

Sample Description: Penthouse/TSI White/Yellow on the 8" And 4" Pipes Pipe Insulation

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Yellow	90.0%	10.0%	None Detected	

Client Sample ID: 08C-Wrap ***Lab Sample ID:*** **042608661-0030A**

Sample Description: Penthouse/TSI White/Yellow on the 8" And 4" Pipes Pipe Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White/Silver/Orange	0.0%	100.0%	None Detected	

Client Sample ID: 09A ***Lab Sample ID:*** **042608661-0031**

Sample Description: Penthouse/Foam Adhesive - Black Attached to Boiler

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 09B ***Lab Sample ID:*** **042608661-0032**

Sample Description: Penthouse/Foam Adhesive - Black Attached to Boiler

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 09C ***Lab Sample ID:*** **042608661-0033**

Sample Description: Penthouse/Foam Adhesive - Black Attached to Boiler

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 10A ***Lab Sample ID:*** **042608661-0034**

Sample Description: Roof/Roof Tread - Black Tread Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Black	20.0%	80.0%	None Detected	

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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 10B ***Lab Sample ID:*** **042608661-0035**

Sample Description: Roof/Roof Tread - Black Tread Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Black	20.0%	80.0%	None Detected	

Client Sample ID: 10C ***Lab Sample ID:*** **042608661-0036**

Sample Description: Roof/Roof Tread - Black Tread Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black	15.0%	85.0%	None Detected	

Client Sample ID: 11A ***Lab Sample ID:*** **042608661-0037**

Sample Description: Roof/Sealant - Gray Roof Sealant

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/Black/Silver	0.0%	85.0%	**15% Chrysotile**	Inseparable paint / coating layer included in analysis

Client Sample ID: 11B ***Lab Sample ID:*** **042608661-0038**

Sample Description: Roof/Sealant - Gray Roof Sealant

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/Black/Silver	0.0%	90.0%	**10% Chrysotile**	Inseparable paint / coating layer included in analysis

Client Sample ID: 11C ***Lab Sample ID:*** **042608661-0039**

Sample Description: Roof/Sealant - Gray Roof Sealant

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Black/Silver	0.0%	88.0%	**12% Chrysotile**	Inseparable paint / coating layer included in analysis

Client Sample ID: 12A ***Lab Sample ID:*** **042608661-0040**

Sample Description: Roof/Stucco - Gray/Yellow Exterior Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/Yellow	0.0%	100.0%	**<1% Chrysotile**	
1000 PLM Pt Ct	5/08/2026	Gray/Yellow	0.0%	100.0%	**<0.1% Chrysotile**	

Client Sample ID: 12B ***Lab Sample ID:*** **042608661-0041**

Sample Description: Exterior Walls/Stucco - Gray/Yellow Exterior Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 12C ***Lab Sample ID:*** **042608661-0042**

Sample Description: Exterior Walls/Stucco - Gray/Yellow Exterior Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/Yellow	0.0%	100.0%	None Detected	

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EMSL Order ID:	042608661
Customer ID:	32ENRE78
Customer PO:	185806843.17.1
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 12D ***Lab Sample ID:*** **042608661-0043**

Sample Description: Exterior Walls/Stucco - Gray/Yellow Exterior Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 12E ***Lab Sample ID:*** **042608661-0044**

Sample Description: Exterior Walls/Stucco - Gray/Yellow Exterior Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 12F ***Lab Sample ID:*** **042608661-0045**

Sample Description: Exterior Walls/Stucco - Gray/Yellow Exterior Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 12G ***Lab Sample ID:*** **042608661-0046**

Sample Description: Exterior Walls/Stucco - Gray/Yellow Exterior Wall System

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 13A-Ceiling Tile ***Lab Sample ID:*** **042608661-0047**

Sample Description: 4th Floor/Ceiling Tiles - White 1'x1'

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/White	70.0%	30.0%	None Detected	

Client Sample ID: 13A-Adhesive ***Lab Sample ID:*** **042608661-0047A**

Sample Description: 4th Floor/Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 13B-Ceiling Tile ***Lab Sample ID:*** **042608661-0048**

Sample Description: 4th Floor/Ceiling Tiles - White 1'x1'

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/White	65.0%	35.0%	None Detected	

Client Sample ID: 13B-Adhesive ***Lab Sample ID:*** **042608661-0048A**

Sample Description: 4th Floor/Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Yellow	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 13C-Ceiling Tile ***Lab Sample ID:*** **042608661-0049**

Sample Description: 4th Floor/Ceiling Tiles - White 1'x1'

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/White	70.0%	30.0%	None Detected	

Client Sample ID: 13C-Adhesive ***Lab Sample ID:*** **042608661-0049A**

Sample Description: 4th Floor/Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 13D-Ceiling Tile ***Lab Sample ID:*** **042608661-0050**

Sample Description: 2nd Floor/Ceiling Tiles - White 1'x1'

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/White	65.0%	35.0%	None Detected	

Client Sample ID: 13D-Adhesive ***Lab Sample ID:*** **042608661-0050A**

Sample Description: 2nd Floor/Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Brown	0.0%	98.0%	**2% Chrysotile**	

Client Sample ID: 13E-Ceiling Tile ***Lab Sample ID:*** **042608661-0051**

Sample Description: 2nd Floor/Ceiling Tiles - White 1'x1'

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White	70.0%	30.0%	None Detected	

Client Sample ID: 13E-Adhesive ***Lab Sample ID:*** **042608661-0051A**

Sample Description: 2nd Floor/Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown	0.0%	97.0%	**3% Chrysotile**	

Client Sample ID: 13F-Ceiling Tile ***Lab Sample ID:*** **042608661-0052**

Sample Description: Basement/Ceiling Tiles - White 1'x1'

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White	70.0%	30.0%	None Detected	

Client Sample ID: 13F-Adhesive ***Lab Sample ID:*** **042608661-0052A**

Sample Description: Basement/Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown	0.0%	98.0%	**2% Chrysotile**	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 13G-Ceiling Tile ***Lab Sample ID:*** **042608661-0053**

Sample Description: Basement/Ceiling Tiles - White 1'x1'

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White	70.0%	30.0%	None Detected	

Client Sample ID: 13G-Adhesive ***Lab Sample ID:*** **042608661-0053A**

Sample Description: Basement/Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown	0.0%	98.0%	**2% Chrysotile**	

Client Sample ID: 14A ***Lab Sample ID:*** **042608661-0054**

Sample Description: 4th Floor/Concrete Curb - Blue Wall Base

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Blue/Orange	0.0%	100.0%	None Detected	

Client Sample ID: 14B ***Lab Sample ID:*** **042608661-0055**

Sample Description: 4th Floor/Concrete Curb - Blue Wall Base

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Blue/Orange	0.0%	100.0%	None Detected	

Client Sample ID: 14C ***Lab Sample ID:*** **042608661-0056**

Sample Description: 4th Floor/Concrete Curb - Blue Wall Base

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Blue/Orange	0.0%	100.0%	None Detected	

Client Sample ID: 15A ***Lab Sample ID:*** **042608661-0057**

Sample Description: 4th Floor/Vinyl Floor Tile - Gray associated with HA#16

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 15B ***Lab Sample ID:*** **042608661-0058**

Sample Description: 4th Floor/Vinyl Floor Tile - Gray associated with HA#16

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 15C ***Lab Sample ID:*** **042608661-0059**

Sample Description: 4th Floor/Vinyl Floor Tile - Gray associated with HA#16

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 16A ***Lab Sample ID:*** **042608661-0060**

Sample Description: 4th Floor/Adhesive - Brown associated with HA#16

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Brown/Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 16B ***Lab Sample ID:*** **042608661-0061**

Sample Description: 4th Floor/Adhesive - Brown associated with HA#16

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Brown/Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 16C ***Lab Sample ID:*** **042608661-0062**

Sample Description: 4th Floor/Adhesive - Brown associated with HA#16

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown/Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 17A ***Lab Sample ID:*** **042608661-0063**

Sample Description: 4th Floor/Vinyl Floor Tile - Blue/Gray associated with HA#18

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/Blue	0.0%	100.0%	None Detected	

Client Sample ID: 17B ***Lab Sample ID:*** **042608661-0064**

Sample Description: 4th Floor/Vinyl Floor Tile - Blue/Gray associated with HA#18

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/Blue	0.0%	100.0%	None Detected	

Client Sample ID: 17C ***Lab Sample ID:*** **042608661-0065**

Sample Description: 4th Floor/Vinyl Floor Tile - Blue/Gray associated with HA#18

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Blue	0.0%	100.0%	None Detected	

Client Sample ID: 18A ***Lab Sample ID:*** **042608661-0066**

Sample Description: 4th Floor/Adhesive - Dark Brown associated with HA#17

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Brown/Clear	0.0%	100.0%	None Detected	

Client Sample ID: 18B ***Lab Sample ID:*** **042608661-0067**

Sample Description: 4th Floor/Adhesive - Dark Brown associated with HA#17

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Brown/Tan/Yellow	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 18C ***Lab Sample ID:*** **042608661-0068**

Sample Description: 4th Floor/Adhesive - Dark Brown associated with HA#17

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown	0.0%	100.0%	None Detected	

Client Sample ID: 19A ***Lab Sample ID:*** **042608661-0069**

Sample Description: 4th Floor/Leveling Compound - White associated with 12" X 12" VFT

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 19B ***Lab Sample ID:*** **042608661-0070**

Sample Description: 4th Floor/Leveling Compound - White associated with 12" X 12" VFT

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 19C ***Lab Sample ID:*** **042608661-0071**

Sample Description: 4th Floor/Leveling Compound - White associated with 12" X 12" VFT

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White	0.0%	100.0%	None Detected	

Client Sample ID: 20A ***Lab Sample ID:*** **042608661-0072**

Sample Description: 4th Floor/Cove Base - Black 6" associated with HA#21

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Black/Blue	0.0%	100.0%	None Detected	

Client Sample ID: 20B ***Lab Sample ID:*** **042608661-0073**

Sample Description: 4th Floor/Cove Base - Black 6" associated with HA#21

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Black/Blue	0.0%	100.0%	None Detected	

Client Sample ID: 20C ***Lab Sample ID:*** **042608661-0074**

Sample Description: 4th Floor/Cove Base - Black 6" associated with HA#21

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black/Blue	0.0%	100.0%	None Detected	

Client Sample ID: 21A ***Lab Sample ID:*** **042608661-0075**

Sample Description: 4th Floor/Adhesive - White associated with HA#20

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White/Yellow	0.0%	100.0%	None Detected	Result includes a small amount of inseparable attached material

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 21B ***Lab Sample ID:*** **042608661-0076**

Sample Description: 4th Floor/Adhesive - White associated with HA#20

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White/Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 21C ***Lab Sample ID:*** **042608661-0077**

Sample Description: 4th Floor/Adhesive - White associated with HA#20

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 22A-Carpet ***Lab Sample ID:*** **042608661-0078**

Sample Description: 3rd Floor/Carpet - Dark Gray Light Blue Cells Area

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray	90.0%	10.0%	None Detected	

Client Sample ID: 22A-Adhesive ***Lab Sample ID:*** **042608661-0078A**

Sample Description: 3rd Floor/Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray	10.0%	90.0%	None Detected	

Client Sample ID: 22B-Carpet ***Lab Sample ID:*** **042608661-0079**

Sample Description: 3rd Floor/Carpet - Dark Gray Light Blue Cells Area

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray	90.0%	10.0%	None Detected	

Client Sample ID: 22B-Adhesive ***Lab Sample ID:*** **042608661-0079A**

Sample Description: 3rd Floor/Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray	10.0%	90.0%	None Detected	

Client Sample ID: 22C-Carpet ***Lab Sample ID:*** **042608661-0080**

Sample Description: 3rd Floor/Carpet - Dark Gray Light Blue Cells Area

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Black	90.0%	10.0%	None Detected	

Client Sample ID: 22C-Adhesive ***Lab Sample ID:*** **042608661-0080A**

Sample Description: 3rd Floor/Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Clear	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 23A ***Lab Sample ID:*** **042608661-0081**

Sample Description: 3rd Floor/Epoxy - Tan Under Black Carpet

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Tan/Clear	0.0%	100.0%	None Detected	

Client Sample ID: 23B ***Lab Sample ID:*** **042608661-0082**

Sample Description: 3rd Floor/Epoxy - Tan Under Black Carpet

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Tan/Clear	0.0%	100.0%	None Detected	

Client Sample ID: 23C ***Lab Sample ID:*** **042608661-0083**

Sample Description: 3rd Floor/Epoxy - Tan Under Black Carpet

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Tan/Clear	0.0%	100.0%	None Detected	

Client Sample ID: 24A ***Lab Sample ID:*** **042608661-0084**

Sample Description: 3rd Floor Medical Office/Vinyl Floor Sheeting - Gray/Black associated with HA#25

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/Tan/White	20.0%	80.0%	None Detected	

Client Sample ID: 24B ***Lab Sample ID:*** **042608661-0085**

Sample Description: 3rd Floor Medical Office/Vinyl Floor Sheeting - Gray/Black associated with HA#25

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Gray/Tan/White	20.0%	80.0%	None Detected	

Client Sample ID: 24C ***Lab Sample ID:*** **042608661-0086**

Sample Description: 3rd Floor Medical Office/Vinyl Floor Sheeting - Gray/Black associated with HA#25

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White/Black	15.0%	85.0%	None Detected	

Client Sample ID: 25A ***Lab Sample ID:*** **042608661-0087**

Sample Description: 3rd Floor Medical Office/Adhesive - Dark Brown associated with HA#24

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Brown/Black/Clear	0.0%	100.0%	None Detected	

Client Sample ID: 25B ***Lab Sample ID:*** **042608661-0088**

Sample Description: 3rd Floor Medical Office/Adhesive - Dark Brown associated with HA#24

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Brown/Black/Clear	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 25C ***Lab Sample ID:*** **042608661-0089**

Sample Description: 3rd Floor Medical Office/Adhesive - Dark Brown associated with HA#24

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown/Black/Clear	0.0%	100.0%	None Detected	

Client Sample ID: 26A ***Lab Sample ID:*** **042608661-0090**

Sample Description: 3rd Floor Medical Office/Cove Base - Black 4" associated with HA#27

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 26B ***Lab Sample ID:*** **042608661-0091**

Sample Description: 3rd Floor Medical Office/Cove Base - Black 4" associated with HA#27

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 26C ***Lab Sample ID:*** **042608661-0092**

Sample Description: 3rd Floor Medical Office/Cove Base - Black 4" associated with HA#27

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 27A ***Lab Sample ID:*** **042608661-0093**

Sample Description: 3rd Floor Medical Office/Adhesive - Clear associated with HA#26

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 27B ***Lab Sample ID:*** **042608661-0094**

Sample Description: 3rd Floor Medical Office/Adhesive - Clear associated with HA#26

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White/Clear	0.0%	100.0%	None Detected	

Client Sample ID: 27C ***Lab Sample ID:*** **042608661-0095**

Sample Description: 3rd Floor Medical Office/Adhesive - Clear associated with HA#26

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White/Clear	0.0%	100.0%	None Detected	

Client Sample ID: 28A-Ceiling Tiles ***Lab Sample ID:*** **042608661-0096**

Sample Description: 3rd Floor/Ceiling Tiles White Dotted 1'x1' Ceiling Tiles

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White	77.0%	18.0%	**5% Amosite**	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 28A-Adhesive ***Lab Sample ID:*** **042608661-0096A**

Sample Description: 3rd Floor/Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	Brown	0.0%	100.0%	None Detected	

Client Sample ID: 28B-Ceiling Tiles ***Lab Sample ID:*** **042608661-0097**

Sample Description: 3rd Floor/Ceiling Tiles White Dotted 1'x1' Ceiling Tiles

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/04/2026	White	77.0%	20.0%	**3% Amosite**	

Client Sample ID: 28B-Adhesive ***Lab Sample ID:*** **042608661-0097A**

Sample Description: 3rd Floor/Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown	0.0%	100.0%	None Detected	

Client Sample ID: 28C-Ceiling Tiles ***Lab Sample ID:*** **042608661-0098**

Sample Description: 3rd Floor/Ceiling Tiles White Dotted 1'x1' Ceiling Tiles

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	75.0%	23.0%	**2% Amosite**	

Client Sample ID: 28C-Adhesive ***Lab Sample ID:*** **042608661-0098A**

Sample Description: 3rd Floor/Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown	0.0%	100.0%	None Detected	

Client Sample ID: 29A ***Lab Sample ID:*** **042608661-0099**

Sample Description: 3rd Floor/Vinyl Floor Tile - White associated with HA#30

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 29B ***Lab Sample ID:*** **042608661-0100**

Sample Description: 3rd Floor/Vinyl Floor Tile - White associated with HA#30

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 29C ***Lab Sample ID:*** **042608661-0101**

Sample Description: 3rd Floor/Vinyl Floor Tile - White associated with HA#30

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Tan/White	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 30A ***Lab Sample ID:*** **042608661-0102**

Sample Description: 3rd Floor/Adhesive - Black associated with HA#29

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 30B ***Lab Sample ID:*** **042608661-0103**

Sample Description: 3rd Floor/Adhesive - Black associated with HA#29

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black/Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 30C ***Lab Sample ID:*** **042608661-0104**

Sample Description: 3rd Floor/Adhesive - Black associated with HA#29

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 31A ***Lab Sample ID:*** **042608661-0105**

Sample Description: 3rd Floor/Ceiling Tiles - White 2' X 4" with Dots and Fissures

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White	70.0%	30.0%	None Detected	

Client Sample ID: 31B ***Lab Sample ID:*** **042608661-0106**

Sample Description: 3rd Floor/Ceiling Tiles - White 2' X 4" with Dots and Fissures

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White	70.0%	30.0%	None Detected	

Client Sample ID: 31C ***Lab Sample ID:*** **042608661-0107**

Sample Description: 3rd Floor/Ceiling Tiles - White 2' X 4" with Dots and Fissures

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White	70.0%	30.0%	None Detected	

Client Sample ID: 31D ***Lab Sample ID:*** **042608661-0108**

Sample Description: 3rd Floor/Ceiling Tiles - White 2' X 4" with Dots and Fissures

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White	70.0%	30.0%	None Detected	

Client Sample ID: 31E ***Lab Sample ID:*** **042608661-0109**

Sample Description: First Floor/Ceiling Tiles - White 2' X 4" with Dots and Fissures

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White	70.0%	30.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 31F ***Lab Sample ID:*** **042608661-0110**

Sample Description: First Floor/Ceiling Tiles - White 2' X 4" with Dots and Fissures

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown/Tan/White	70.0%	30.0%	None Detected	

Client Sample ID: 31G ***Lab Sample ID:*** **042608661-0111**

Sample Description: First Floor/Ceiling Tiles - White 2' X 4" with Dots and Fissures

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown/Tan/White	70.0%	30.0%	None Detected	

Client Sample ID: 32A ***Lab Sample ID:*** **042608661-0112**

Sample Description: 3rd Floor/Epoxy - Gray in the Shower Area

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 32B ***Lab Sample ID:*** **042608661-0113**

Sample Description: 3rd Floor/Epoxy - Gray in the Shower Area

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 32C ***Lab Sample ID:*** **042608661-0114**

Sample Description: 3rd Floor/Epoxy - Gray in the Shower Area

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 33A ***Lab Sample ID:*** **042608661-0115**

Sample Description: 2nd Floor/Cove Base - Gray associated with HA#34

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 33B ***Lab Sample ID:*** **042608661-0116**

Sample Description: 2nd Floor/Cove Base - Gray associated with HA#34

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 33C ***Lab Sample ID:*** **042608661-0117**

Sample Description: 2nd Floor/Cove Base - Gray associated with HA#34

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 34A ***Lab Sample ID:*** **042608661-0118**

Sample Description: 2nd Floor/Adhesive - Brown associated with HA#35

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown/Tan/Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 34B ***Lab Sample ID:*** **042608661-0119**

Sample Description: 2nd Floor/Adhesive - Brown associated with HA#35

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown/Tan	0.0%	100.0%	None Detected	

Client Sample ID: 34C ***Lab Sample ID:*** **042608661-0120**

Sample Description: 2nd Floor/Adhesive - Brown associated with HA#35

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown/Tan	0.0%	100.0%	None Detected	

Client Sample ID: 35A ***Lab Sample ID:*** **042608661-0121**

Sample Description: 2nd Floor/Plaster - White Wall Patch

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 35B ***Lab Sample ID:*** **042608661-0122**

Sample Description: 2nd Floor/Plaster - White Wall Patch

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 35C ***Lab Sample ID:*** **042608661-0123**

Sample Description: 2nd Floor/Plaster - White Wall Patch

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 36A-Adhesive ***Lab Sample ID:*** **042608661-0124**

Sample Description: 2nd Flr Library/Adhesive - Yellow / Translucent

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Yellow	15.0%	85.0%	None Detected	

Client Sample ID: 36A-Carpet Tiles ***Lab Sample ID:*** **042608661-0124A**

Sample Description: 2nd Flr Library/24"x24" Carpet Tiles

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White/Blue	90.0%	10.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 36B-Adhesive ***Lab Sample ID:*** **042608661-0125**

Sample Description: 2nd Flr Library/Adhesive - Yellow / Translucent

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Yellow	15.0%	85.0%	None Detected	

Client Sample ID: 36B-Carpet Tiles ***Lab Sample ID:*** **042608661-0125A**

Sample Description: 2nd Flr Library/24"x24" Carpet Tiles

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White/Blue	90.0%	10.0%	None Detected	

Client Sample ID: 36C-Adhesive ***Lab Sample ID:*** **042608661-0126**

Sample Description: 2nd Flr Library/Adhesive - Yellow / Translucent

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026				Insufficient Material	

Client Sample ID: 36C-Carpet Tiles ***Lab Sample ID:*** **042608661-0126A**

Sample Description: 2nd Flr Library/24"x24" Carpet Tiles

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White/Blue	90.0%	10.0%	None Detected	Result includes a small amount of inseparable attached mastic

Client Sample ID: 37A ***Lab Sample ID:*** **042608661-0127**

Sample Description: 2nd Floor - Mechanical Room/Fire Proofing - White Metal/Concrete Ceilings and I-Beams

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	70.0%	**30% Chrysotile**	

Client Sample ID: 37B ***Lab Sample ID:*** **042608661-0128**

Sample Description: 2nd Floor - Mechanical Room/Fire Proofing - White Metal/Concrete Ceilings and I-Beams

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White/Gold	0.0%	70.0%	**30% Chrysotile**	

Client Sample ID: 37C ***Lab Sample ID:*** **042608661-0129**

Sample Description: Beams/Fire Proofing - White Metal/Concrete Ceilings and I-Beams

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White/Gold	0.0%	70.0%	**30% Chrysotile**	

Client Sample ID: 37D ***Lab Sample ID:*** **042608661-0130**

Sample Description: Beams/Fire Proofing - White Metal/Concrete Ceilings and I-Beams

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	75.0%	**25% Chrysotile**	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 38A ***Lab Sample ID:*** **042608661-0131**

Sample Description: 2nd Floor Pipe Chase/Firestop - Red/Pink Wall Penetrations

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Red/Pink	0.0%	100.0%	None Detected	

Client Sample ID: 38B ***Lab Sample ID:*** **042608661-0132**

Sample Description: 2nd Floor Pipe Chase/Firestop - Red/Pink Wall Penetrations

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Red/Pink	0.0%	100.0%	None Detected	

Client Sample ID: 38C ***Lab Sample ID:*** **042608661-0133**

Sample Description: 2nd Floor Pipe Chase/Firestop - Red/Pink Wall Penetrations

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Red	0.0%	100.0%	None Detected	

Client Sample ID: 39A ***Lab Sample ID:*** **042608661-0134**

Sample Description: 2nd Floor Pipe Chase/Sealant - White HVAC Ducting Seams

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	10.0%	90.0%	None Detected	

Client Sample ID: 39B ***Lab Sample ID:*** **042608661-0135**

Sample Description: 2nd Floor Pipe Chase/Sealant - White HVAC Ducting Seams

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	10.0%	90.0%	None Detected	

Client Sample ID: 39C ***Lab Sample ID:*** **042608661-0136**

Sample Description: 2nd Floor Pipe Chase/Sealant - White HVAC Ducting Seams

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 40A ***Lab Sample ID:*** **042608661-0137**

Sample Description: 2nd Floor - Exam Rm./VFT - Gray Pebble Pattern associated with HA#41

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White	15.0%	85.0%	None Detected	

Client Sample ID: 40B ***Lab Sample ID:*** **042608661-0138**

Sample Description: 2nd Floor - Exam Rm./VFT - Gray Pebble Pattern associated with HA#41

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White	15.0%	85.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 40C ***Lab Sample ID:*** **042608661-0139**

Sample Description: 2nd Floor - Exam Rm./VFT - Gray Pebble Pattern associated with HA#41

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White	15.0%	85.0%	None Detected	

Client Sample ID: 41A ***Lab Sample ID:*** **042608661-0140**

Sample Description: 2nd Floor - Exam Rm./Adhesive - Brown associated with HA#40

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown/Black/Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 41B ***Lab Sample ID:*** **042608661-0141**

Sample Description: 2nd Floor - Exam Rm./Adhesive - Brown associated with HA#40

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown/Black/Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 41C ***Lab Sample ID:*** **042608661-0142**

Sample Description: 2nd Floor - Exam Rm./Adhesive - Brown associated with HA#40

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown/Black/Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 42A ***Lab Sample ID:*** **042608661-0143**

Sample Description: 2nd Floor - Office/Gypsum Board - White Interior Office Walls associated with HA#43

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown/Tan/White	20.0%	80.0%	None Detected	

Client Sample ID: 42B ***Lab Sample ID:*** **042608661-0144**

Sample Description: 2nd Floor - Office/Gypsum Board - White Interior Office Walls associated with HA#43

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Tan/White	20.0%	80.0%	None Detected	

Client Sample ID: 42C ***Lab Sample ID:*** **042608661-0145**

Sample Description: 2nd Floor - Office/Gypsum Board - White Interior Office Walls associated with HA#43

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown/White	20.0%	80.0%	None Detected	

Client Sample ID: 43A ***Lab Sample ID:*** **042608661-0146**

Sample Description: 2nd Floor - Office/Joint Compound - White associated with HA#42

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 43B ***Lab Sample ID:*** **042608661-0147**

Sample Description: 2nd Floor - Office/Joint Compound - White associated with HA#42

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 43C ***Lab Sample ID:*** **042608661-0148**

Sample Description: 2nd Floor - Office/Joint Compound - White associated with HA#42

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Tan/White	0.0%	100.0%	None Detected	

Client Sample ID: 44A ***Lab Sample ID:*** **042608661-0149**

Sample Description: Library - 2nd Floor/Carpet - Black/White 24"x24" Line Pattern associated with HA#45

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Black/Blue	90.0%	10.0%	None Detected	

Client Sample ID: 44B ***Lab Sample ID:*** **042608661-0150**

Sample Description: Library - 2nd Floor/Carpet - Black/White 24"x24" Line Pattern associated with HA#45

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Black/Blue	90.0%	10.0%	None Detected	

Client Sample ID: 44C ***Lab Sample ID:*** **042608661-0151**

Sample Description: Library - 2nd Floor/Carpet - Black/White 24"x24" Line Pattern associated with HA#45

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White/Black	90.0%	10.0%	None Detected	

Client Sample ID: 45A ***Lab Sample ID:*** **042608661-0152**

Sample Description: Library - 2nd Floor/Adhesive - Yellow / Translucent associated with HA#44

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White/Yellow/Greer	0.0%	100.0%	None Detected	

Client Sample ID: 45B ***Lab Sample ID:*** **042608661-0153**

Sample Description: Library - 2nd Floor/Adhesive - Yellow / Translucent associated with HA#44

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White/Yellow/Greer	0.0%	100.0%	None Detected	

Client Sample ID: 45C ***Lab Sample ID:*** **042608661-0154**

Sample Description: Library - 2nd Floor/Adhesive - Yellow / Translucent associated with HA#44

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White/Yellow/Greer	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 46A ***Lab Sample ID:*** **042608661-0155**

Sample Description: Library - 2nd Floor/Cove Base - Black 4" associated with HA#47

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 46B ***Lab Sample ID:*** **042608661-0156**

Sample Description: Library - 2nd Floor/Cove Base - Black 4" associated with HA#47

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 46C ***Lab Sample ID:*** **042608661-0157**

Sample Description: Library - 2nd Floor/Cove Base - Black 4" associated with HA#47

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 47A ***Lab Sample ID:*** **042608661-0158**

Sample Description: Library - 2nd Floor/Adhesive - White associated with HA#46

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White/Yellow	0.0%	100.0%	None Detected	Result includes a small amount of inseparable attached material

Client Sample ID: 47B ***Lab Sample ID:*** **042608661-0159**

Sample Description: Library - 2nd Floor/Adhesive - White associated with HA#46

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White/Yellow	0.0%	100.0%	None Detected	Result includes a small amount of inseparable attached material

Client Sample ID: 47C ***Lab Sample ID:*** **042608661-0160**

Sample Description: Library - 2nd Floor/Adhesive - White associated with HA#46

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Tan/White	0.0%	100.0%	None Detected	Result includes a small amount of inseparable attached material

Client Sample ID: 48A-VFT ***Lab Sample ID:*** **042608661-0161**

Sample Description: 1st Floor Lobby/VFT - Tan Grayish Green 9"x9" associated with HA#49

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Green	0.0%	95.0%	**5% Chrysotile**	

Client Sample ID: 48A-VFT 2 ***Lab Sample ID:*** **042608661-0161A**

Sample Description: 1st Floor Lobby/VFT - Tan Grayish Green 9"x9" associated with HA#49

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 48B-VFT ***Lab Sample ID:*** **042608661-0162**

Sample Description: 1st Floor Lobby/VFT - Tan Grayish Green 9"x9" associated with HA#49

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Green	0.0%	96.0%	**4% Chrysotile**	

Client Sample ID: 48B-VFT 2 ***Lab Sample ID:*** **042608661-0162A**

Sample Description: 1st Floor Lobby/VFT - Tan Grayish Green 9"x9" associated with HA#49

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 48C-VFT ***Lab Sample ID:*** **042608661-0163**

Sample Description: 1st Floor Lobby/VFT - Tan Grayish Green 9"x9" associated with HA#49

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Green	0.0%	95.0%	**5% Chrysotile**	

Client Sample ID: 48C-VFT 2 ***Lab Sample ID:*** **042608661-0163A**

Sample Description: 1st Floor Lobby/VFT - Tan Grayish Green 9"x9" associated with HA#49

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 49A-Mastic ***Lab Sample ID:*** **042608661-0164**

Sample Description: 1st Floor Lobby/Adhesive - Black associated with HA#48

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black	0.0%	97.0%	**3% Chrysotile**	

Client Sample ID: 49A-Mastic 2 ***Lab Sample ID:*** **042608661-0164A**

Sample Description: 1st Floor Lobby/Adhesive associated with HA#48

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 49B-Mastic ***Lab Sample ID:*** **042608661-0165**

Sample Description: 1st Floor Lobby/Adhesive - Black associated with HA#48

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black	0.0%	95.0%	**5% Chrysotile**	

Client Sample ID: 49B-Mastic 2 ***Lab Sample ID:*** **042608661-0165A**

Sample Description: 1st Floor Lobby/Adhesive associated with HA#48

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 49C-Mastic ***Lab Sample ID:*** **042608661-0166**

Sample Description: 1st Floor Lobby/Adhesive - Black associated with HA#48

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Black	0.0%	96.0%	**4% Chrysotile**	

Client Sample ID: 49C-Mastic 2 ***Lab Sample ID:*** **042608661-0166A**

Sample Description: 1st Floor Lobby/Adhesive associated with HA#48

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown/Black	0.0%	100.0%	None Detected	

Client Sample ID: 50A-TSI ***Lab Sample ID:*** **042608661-0167**

Sample Description: 1st Floor Office/TSI - Foil / Pink Duct Insulation

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Pink	95.0%	5.0%	None Detected	

Client Sample ID: 50A-Wrap ***Lab Sample ID:*** **042608661-0167A**

Sample Description: 1st Floor Office/TSI - Foil / Pink Duct Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Silver/Clear	20.0%	80.0%	None Detected	

Client Sample ID: 50B-TSI ***Lab Sample ID:*** **042608661-0168**

Sample Description: 1st Floor Office/TSI - Foil / Pink Duct Insulation

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Pink	95.0%	5.0%	None Detected	

Client Sample ID: 50B-Wrap ***Lab Sample ID:*** **042608661-0168A**

Sample Description: 1st Floor Office/TSI - Foil / Pink Duct Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Silver/Clear	20.0%	80.0%	None Detected	

Client Sample ID: 50C-TSI ***Lab Sample ID:*** **042608661-0169**

Sample Description: 1st Floor Office/TSI - Foil / Pink Duct Insulation

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Pink	90.0%	10.0%	None Detected	

Client Sample ID: 50C-Wrap ***Lab Sample ID:*** **042608661-0169A**

Sample Description: 1st Floor Office/TSI - Foil / Pink Duct Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Silver	20.0%	80.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 51A **Lab Sample ID:** **042608661-0170**

Sample Description: Third Floor/Texture - White associated with Gypsum Board Walls

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 51B **Lab Sample ID:** **042608661-0171**

Sample Description: Third Floor/Texture - White associated with Gypsum Board Walls

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 51C **Lab Sample ID:** **042608661-0172**

Sample Description: Third Floor/Texture - White associated with Gypsum Board Walls

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Tan/White	0.0%	100.0%	None Detected	Inseparable paint / coating layer included in analysis

Client Sample ID: 52A-Adhesive **Lab Sample ID:** **042608661-0173**

Sample Description: 2nd Floor - Janitor's/Adhesive - Orange associated with FRP

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Orange	0.0%	100.0%	None Detected	

Client Sample ID: 52A-Texture **Lab Sample ID:** **042608661-0173A**

Sample Description: 2nd Floor - Janitor's/Texture associated with FRP

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 52B-Adhesive **Lab Sample ID:** **042608661-0174**

Sample Description: 2nd Floor - Janitor's/Adhesive - Orange associated with FRP

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Orange	0.0%	100.0%	None Detected	

Client Sample ID: 52B-Texture **Lab Sample ID:** **042608661-0174A**

Sample Description: 2nd Floor - Janitor's/Texture associated with FRP

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 52C-Adhesive **Lab Sample ID:** **042608661-0175**

Sample Description: 2nd Floor - Janitor's/Adhesive - Orange associated with FRP

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Orange	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 52C-Texture ***Lab Sample ID:*** **042608661-0175A**

Sample Description: 2nd Floor - Janitor's/Texture associated with FRP

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 53A ***Lab Sample ID:*** **042608661-0176**

Sample Description: Laundry/Grout - Gray associated with HA# 54

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 53B ***Lab Sample ID:*** **042608661-0177**

Sample Description: Laundry/Grout - Gray associated with HA# 54

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 53C ***Lab Sample ID:*** **042608661-0178**

Sample Description: Laundry/Grout - Gray associated with HA# 54

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Gold	0.0%	100.0%	None Detected	

Client Sample ID: 54A ***Lab Sample ID:*** **042608661-0179**

Sample Description: Laundry/Ceramic Tile - Red 9"x9" associated with #53

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Red	0.0%	100.0%	None Detected	

Client Sample ID: 54B ***Lab Sample ID:*** **042608661-0180**

Sample Description: Laundry/Ceramic Tile - Red 9"x9" associated with #53

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Red	0.0%	100.0%	None Detected	

Client Sample ID: 54C ***Lab Sample ID:*** **042608661-0181**

Sample Description: Laundry/Ceramic Tile - Red 9"x9" associated with #53

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Red	0.0%	100.0%	None Detected	

Client Sample ID: 55A ***Lab Sample ID:*** **042608661-0182**

Sample Description: Basement Maintenance Hallway/VFS/Tread - Gray - Textured / Floors/Walls associated with HA# 56

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Blue/Green	20.0%	80.0%	None Detected	Result includes a small amount of inseparable attached material

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 55B **Lab Sample ID:** **042608661-0183**

Sample Description: Basement Maintenance Hallway/VFS/Tread - Gray - Textured / Floors/Walls associated with HA# 56

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Blue/Green	20.0%	80.0%	None Detected	Result includes a small amount of inseparable attached material

Client Sample ID: 55C **Lab Sample ID:** **042608661-0184**

Sample Description: Basement Maintenance Hallway/VFS/Tread - Gray - Textured / Floors/Walls associated with HA# 56

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Blue/Green	20.0%	80.0%	None Detected	Result includes a small amount of inseparable attached material

Client Sample ID: 55D **Lab Sample ID:** **042608661-0185**

Sample Description: Basement Maintenance Hallway/VFS/Tread - Gray - Textured / Floors/Walls associated with HA# 56

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Blue/Green	20.0%	80.0%	None Detected	

Client Sample ID: 55E **Lab Sample ID:** **042608661-0186**

Sample Description: Basement Maintenance Hallway/VFS/Tread - Gray - Textured / Floors/Walls associated with HA# 56

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Green	10.0%	90.0%	None Detected	

Client Sample ID: 56A **Lab Sample ID:** **042608661-0187**

Sample Description: Basement Maintenance Hallway/Adhesive - Brown Floors/Wall associated with HA# 55

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown	0.0%	100.0%	None Detected	

Client Sample ID: 56B **Lab Sample ID:** **042608661-0188**

Sample Description: Basement Maintenance Hallway/Adhesive - Brown Floors/Wall associated with HA# 55

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown	0.0%	100.0%	None Detected	

Client Sample ID: 56C **Lab Sample ID:** **042608661-0189**

Sample Description: Basement Maintenance Hallway/Adhesive - Brown Floors/Wall associated with HA# 55

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown	0.0%	100.0%	None Detected	

Client Sample ID: 56D **Lab Sample ID:** **042608661-0190**

Sample Description: Basement Maintenance Hallway/Adhesive - Brown Floors/Wall associated with HA# 55

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 56E ***Lab Sample ID:*** **042608661-0191**

Sample Description: Basement Maintenance Hallway/Adhesive - Brown Floors/Wall associated with HA# 55

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown	0.0%	100.0%	None Detected	

Client Sample ID: 57A ***Lab Sample ID:*** **042608661-0192**

Sample Description: Basement Maintenance Hallway/Grout - Gray/White associated with 4"x4" White and Tan Ceramic Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White	0.0%	100.0%	None Detected	Result includes a small amount of inseparable attached material

Client Sample ID: 57B ***Lab Sample ID:*** **042608661-0193**

Sample Description: Basement Maintenance Hallway/Grout - Gray/White associated with 4"x4" White and Tan Ceramic Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White	0.0%	100.0%	None Detected	Result includes a small amount of inseparable attached material

Client Sample ID: 57C ***Lab Sample ID:*** **042608661-0194**

Sample Description: Basement Maintenance Hallway/Grout - Gray/White associated with 4"x4" White and Tan Ceramic Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/White	0.0%	100.0%	None Detected	

Client Sample ID: 58A ***Lab Sample ID:*** **042608661-0195**

Sample Description: Basement Maintenance Hallway/Ceiling Panel – Gray/Brown 2'X4' Gypsum Board Type Panels

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Tan/White	15.0%	85.0%	None Detected	

Client Sample ID: 58B ***Lab Sample ID:*** **042608661-0196**

Sample Description: Basement Maintenance Hallway/Ceiling Panel – Gray/Brown 2'X4' Gypsum Board Type Panels

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Tan/White	15.0%	85.0%	None Detected	

Client Sample ID: 58C ***Lab Sample ID:*** **042608661-0197**

Sample Description: Basement Maintenance Hallway/Ceiling Panel – Gray/Brown 2'X4' Gypsum Board Type Panels

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Brown/Gray/White	20.0%	80.0%	None Detected	

Client Sample ID: 59A ***Lab Sample ID:*** **042608661-0198**

Sample Description: 2nd Floor Corridor/CMU - Gray/Black 8"x16" associated with HA# 60

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Black	0.0%	100.0%	None Detected	

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Client Sample ID: 59B ***Lab Sample ID:*** **042608661-0199**

Sample Description: 2nd Floor Corridor/CMU - Gray/Black 8"x16" associated with HA# 60

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Black	0.0%	100.0%	None Detected	

Client Sample ID: 59C ***Lab Sample ID:*** **042608661-0200**

Sample Description: 2nd Floor Corridor/CMU - Gray/Black 8"x16" associated with HA# 60

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Tan	0.0%	100.0%	None Detected	

Client Sample ID: 60A ***Lab Sample ID:*** **042608661-0201**

Sample Description: 2nd Floor Corridor/Mortar - Gray associated with HA# 59

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026				Layer Not Present	

Client Sample ID: 60B ***Lab Sample ID:*** **042608661-0202**

Sample Description: 2nd Floor Corridor/Mortar - Gray associated with HA# 59

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 60C ***Lab Sample ID:*** **042608661-0203**

Sample Description: 2nd Floor Corridor/Mortar - Gray associated with HA# 59

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 61A ***Lab Sample ID:*** **042608661-0204**

Sample Description: Boiler Room/Thermal Clay Tile - Red 12"x12" Wall Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Red	0.0%	100.0%	None Detected	

Client Sample ID: 61B ***Lab Sample ID:*** **042608661-0205**

Sample Description: Boiler Room/Thermal Clay Tile - Red 12"x12" Wall Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Red	0.0%	100.0%	None Detected	

Client Sample ID: 61C ***Lab Sample ID:*** **042608661-0206**

Sample Description: Boiler Room/Thermal Clay Tile - Red 12"x12" Wall Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Red	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 62A ***Lab Sample ID:*** **042608661-0207**

Sample Description: NE - Loading Dock/Concrete (Rock) - Tan/Gray Exterior Walls/ Floors

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Tan	0.0%	100.0%	None Detected	

Client Sample ID: 62B ***Lab Sample ID:*** **042608661-0208**

Sample Description: NE - Loading Dock/Concrete (Rock) - Tan/Gray Exterior Walls/ Floors

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Tan	0.0%	100.0%	None Detected	

Client Sample ID: 62C ***Lab Sample ID:*** **042608661-0209**

Sample Description: NE - Loading Dock/Concrete (Rock) - Tan/Gray Exterior Walls/ Floors

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Tan	0.0%	100.0%	None Detected	

Client Sample ID: 62D ***Lab Sample ID:*** **042608661-0210**

Sample Description: NE - Corner/Concrete (Rock) - Tan/Gray Exterior Walls/ Floors

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Tan	0.0%	100.0%	None Detected	

Client Sample ID: 62E ***Lab Sample ID:*** **042608661-0211**

Sample Description: NW Corner/Concrete (Rock) - Tan/Gray Exterior Walls/ Floors

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Tan/Red	0.0%	100.0%	None Detected	

Client Sample ID: 62F ***Lab Sample ID:*** **042608661-0212**

Sample Description: NW Corner/Concrete (Rock) - Tan/Gray Exterior Walls/ Floors

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Tan/Red	0.0%	100.0%	None Detected	

Client Sample ID: 62G ***Lab Sample ID:*** **042608661-0213**

Sample Description: NW Corner/Concrete (Rock) - Tan/Gray Exterior Walls/ Floors

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Tan/Red	0.0%	100.0%	None Detected	

Client Sample ID: 63A ***Lab Sample ID:*** **042608661-0214**

Sample Description: NW/Sealant - Gray Expansion Joints

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray	0.0%	100.0%	None Detected	

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order ID:	042608661
Customer ID:	32ENRE78
Customer PO:	185806843.17.1
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 63B ***Lab Sample ID:*** **042608661-0215**

Sample Description: NW/Sealant - Gray Expansion Joints

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 63C ***Lab Sample ID:*** **042608661-0216**

Sample Description: NW/Sealant - Gray Expansion Joints

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 64A ***Lab Sample ID:*** **042608661-0217**

Sample Description: Overhead Pipe/Paint - White 4" Pipe TSI

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White/Beige	0.0%	100.0%	None Detected	

Client Sample ID: 65A ***Lab Sample ID:*** **042608661-0218**

Sample Description: Metal Panel Door/Paint - White/Red Control Panel Door

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	White/Red	0.0%	100.0%	None Detected	

Client Sample ID: 66A ***Lab Sample ID:*** **042608661-0219**

Sample Description: Clothes Storage/Paint - White Residual Wall Paint (Concrete)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Tan/White	0.0%	100.0%	None Detected	Result includes a small amount of inseparable attached material

Client Sample ID: 67A ***Lab Sample ID:*** **042608661-0220**

Sample Description: Desk Top/Paint - Light Blue/Red Metal Desk

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Red/Various/Blue	0.0%	100.0%	None Detected	Result includes a small amount of inseparable attached material

Client Sample ID: 68A ***Lab Sample ID:*** **042608661-0221**

Sample Description: Metal Wall/Paint - Blue/Red Powder Blue/ Tan on Metal Wall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Tan/Blue	0.0%	100.0%	None Detected	

Client Sample ID: 69A ***Lab Sample ID:*** **042608661-0222**

Sample Description: Concrete Floor/Paint - Red Floor Paint (Concrete)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Red	0.0%	100.0%	None Detected	

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EMSL Order ID:	042608661
Customer ID:	32ENRE78
Customer PO:	185806843.17.1
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 70A ***Lab Sample ID:*** **042608661-0223**

Sample Description: Metal Door Frame/Paint - Green/Blue/ Red Metal Door Frame

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Blue/Green	0.0%	100.0%	None Detected	

Client Sample ID: 71A ***Lab Sample ID:*** **042608661-0224**

Sample Description: Concrete Floor/Paint - Gray Concrete Floor

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	5/05/2026	Gray/Tan	0.0%	100.0%	None Detected	Result includes a small amount of inseparable attached material

Analyst(s):

Kiara Secula	1000 PLM Pt Ct (1)
Lindsey Van Dusen	PLM (43)
Megan Peters	PLM (153)
Russell Hayden	PLM (66)

Reviewed and approved by:



Samantha Sweeney, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This is a summary report; official reports are available on LabConnect or upon request and relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA LAP, LLC-IHLAP Lab 100194, PA ID# 68-00367, LA #04127

Report amended: 05/19/202620:13:23 Replaces amended report from: 05/19/202620:13:23 Reason Code: Client-Other (see report comment)

EMSL Analytical, Inc.

Asbestos Bulk Building Materials - Chain of Custody

EMSL Order Number / Lab Use Only: 042608661

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: cs@emsl.com

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Stantec, Ventura, CA 93003	Company Name:	32ENRE78
Contact Name:	Scott Edblad	Billing Contact:	Scott Edblad
Street Address:	4572 Telephone Road Suite 916	Street Address:	4572 Telephone Road, Suite 916
City, State, Zip:	Ventura CA 93003	City, State, Zip:	Ventura CA
Country:	US	Country:	US
Phone:	(661) 754-0862	Phone:	(661) 754-0862
Email(s) for Report:	scott.edblad@stantec.com	Email(s) for Invoice:	

Project Information

Project Name/No:	Fresno County Courthouse-South Annex Jail / 185806843.17.1	Purchase Order:	185806843.17.1
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected:	CA
State of Connecticut (CT) must select project location:	☐ Commercial (Taxable) ☐ Residential (Non-Taxable)		
Sampled By Name:	Scott Edblad	Sampled By Signature:	
Date Sampled:	04/22/26-04/23/26	No. of Samples in Shipment	224

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☑ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

Test Selection

PLM - Bulk (reporting limit)

- ☑ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Bulk

- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable - NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Tests (please specify)

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA)

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Sample Number	HA Number	Sample Location	Material Description
		See Attached Bulk Sample Logs	

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:	FEDEX	Sample Condition Upon Receipt:	
Relinquished by:		Date/Time: 04/29/26 1830	Received by: EPT Date/Time: 5/1/26 1155
Relinquished by:		Date/Time:	Received by: Date/Time:

Controlled Document - Asbestos Bulk R7 9/14/2021

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

224

Page 1 of 1

04 2608661

Stantec

Bulk Sample Log

4572 Telephone Road, Suite 916
Ventura, CA 93003
Tel: (805) 230-1266
Fax: (805) 230-1277

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	01
Material Type:	Tarpaper / Petromat
Color:	Black
Description:	Interior Parapet wall
Estimated Total Qty.:	2,000 sq ft

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
Roof	Roof	2,000 sf	SD

SAMPLES

Sample #	Sample Location
01 A	Roof - South wall
B	↓
C	
D	
E	Roof - North side

Notes:

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Relinquished By: Scott Edblad Date: 04/22/2026 Received By: Date: 5/2/26

OrderID: 042608661

04 2608661

Stantec

Bulk Sample Log

4572 Telephone Road, Suite 916
Ventura, CA 93003
Tel: (805) 230-1266
Fax: (805) 230-1277

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	02
Material Type:	Clay
Color:	Orange
Description:	thermal clay Pipe; Flat shaped
Estimated Total Qty.:	200 sft

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	(Low)	Med	High
Vibration:	(Low)	Med	High
Air Movement:	(Low)	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
EXT	Roof	200 sft	D

SAMPLES

Sample #	Sample Location
02 A	South Roof
B	↓
C	

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL	
HA#	03
Material Type:	Sealant
Color:	Light Gray
Description:	
Estimated Total Qty.:	200 sqft

HAZARD ASSESSMENT			
Friable:	Yes	(No)	
Contact by Maintenance:	(Low)	Med	High
Vibration:	(Low)	Med	High
Air Movement:	(Low)	Med	High

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
EXT	Roof	200 sft	D

SAMPLES	
Sample #	Sample Location
03 A	Roof - Southwest
B	↓
C	

Notes:

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL	
HA#	04
Material Type:	Roof tread
Color:	Black
Description:	Tread and Adhesive
Estimated Total Qty.:	100 sft

HAZARD ASSESSMENT			
Friable:	Yes	(No)	
Contact by Maintenance:	(Low)	Med	High
Vibration:	(Low)	Med	High
Air Movement:	(Low)	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
EXT	Roof	100 sft	G

SAMPLES

Sample #	Sample Location
04A	Roof - South of the Penthouse
B	↓
C	↓

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:
Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721
Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	05
Material Type:	Sealant
Color:	White/yellow
Description:	Penetration sealant
Estimated Total Qty.:	100 sft

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	(Low)	Med	High
Vibration:	(Low)	Med	High
Air Movement:	(Low)	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
EXT	Throughout the Roof	100	G

SAMPLES

Sample #	Sample Location
05 A	Roof - Throughout
B	↓
C	↓

Notes:

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Bulk Sample Log

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Ventura, CA 93003
Tel: (805) 230-1266
Fax: (805) 230-1277

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:
Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721
Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	06
Material Type:	Plaster
Color:	white/gray
Description:	Plaster wall system
Estimated Total Qty.:	60,000

HAZARD ASSESSMENT

Friable:	(Yes)		No
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
All Floors	Throughout	60,000	D

SAMPLES

Sample #	Sample Location
06 A	Throughout
B	
C	
D	
E	
F	
G	

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL	
HA#	07
Material Type:	TSI
Color:	Gray
Description:	Pipe elbow white compound
Estimated Total Qty.:	50 sq ft

HAZARD ASSESSMENT			
Friable:	(Yes)		No
Contact by Maintenance:	Low	Med	(High)
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
	Throughout building	50 sft	SD

SAMPLES	
Sample #	Sample Location
07A	Penthouse
B	↓
↓ C	

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026 & 04/23/26
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	08
Material Type:	TSI
Color:	white/yellow
Description:	on the 8" and 4" pipes/ Pipe insulation
Estimated Total Qty.:	500 sft

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
	Throughout Building	500 sft	D

SAMPLES

Sample #	Sample Location
08 A	Penthouse
B	Basement
C	Penthouse

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HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	Med	(High)
Vibration:	Low	Med	(High)
Air Movement:	Low	(Med)	High

Notes:

Relinquished By: Scott Edblad Date: 04/22/2026 04/23/2026

Received By: Date: 5/2/26

OrderID: 042608661

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	09
Material Type:	Foam Adhesive
Color:	Black
Description:	Attached to boiler
Estimated Total Qty.:	20 Sq ft

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
Roof	Penthouse	20 sft	G

SAMPLES

Sample #	Sample Location
09 A	Penthouse
B	↓
C	

Notes:

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

Relinquished By: Scott Edblad Date: 04/22/2026 Received By: Date: 5/1/26

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	10
Material Type:	Roof tread & adhesive
Color:	Black
Description:	TREAD SYSTEM
Estimated Total Qty.:	150 sft

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
6XT	Near basketball court	150 sft	SD

SAMPLES

Sample #	Sample Location
10 A	Roof
B	↓
C	

Notes:

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2026 MAY -2 P 12:08

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	(Low)	Med	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

Relinquished By: Seth Edblad Date: 04/22/2026 Received By: Date: 5/1/26

OrderID: 042608661

042608661

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Bulk Sample Log

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Tel: (805) 230-1266
Fax: (805) 230-1277

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	11
Material Type:	Sealant
Color:	Gray
Description:	Roof sealant
Estimated Total Qty.:	20 sft

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
EXT	Near basketball court	20 sft	G

SAMPLES

Sample #	Sample Location
11 A	Roof
B	↓
C	

Notes:

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Relinquished By: Seth Edblad Date: 04/22/2026 Received By: Date: 5/1/26

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026 & 04/23/2026
Inspector: S. Edblad
B. Santos

MATERIAL	
HA#	12
Material Type:	Stucco
Color:	Gray / yellow
Description:	exterior wall system
Estimated Total Qty.:	50,000 sqft

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
EXT	throughout Building	50,000sft	G

SAMPLES

Sample #	Sample Location
12 A	Roof
B	Exterior walls
C	
D	
E	
F	
G	

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	Med	(High)
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

Notes:

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Received By: Date: 5/2/26

OrderID: 042608661

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:
Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721
Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL	
HA#	13
Material Type:	Ceiling Tiles
Color:	white
Description:	1'x1', with adhesive
Estimated Total Qty.:	25,000 sft

HAZARD ASSESSMENT			
Friable:	(Yes)		No
Contact by Maintenance:	Low	Med	(High)
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
	Throughout Building	25,000 sft	SD

SAMPLES

Sample #	Sample Location
13A	4th Floor
B	↓
C	↓
D	2nd Floor
E	↓
F	Basement
G	↓

Notes:

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Bulk Sample Log

4572 Telephone Road, Suite 916
Ventura, CA 93003
Tel: (805) 230-1266
Fax: (805) 230-1277

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	14
Material Type:	concrete curb
Color:	Blue
Description:	wall base
Estimated Total Qty.:	50 sft

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
4th	wall base	50sft	D

SAMPLES

Sample #	Sample Location
14A	4th Floor
B	↓
C	

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Project Name: JCC Fresno County Courthouse
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:
Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721
Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	15
Material Type:	Vinyl Floor Tile
Color:	Gray
Description:	Associated with HA#16
Estimated Total Qty.:	400 sqft

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
4th	throughout building	400 sft	D

SAMPLES

Sample #	Sample Location
15A	4th Floor
B	↓
C	

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HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Notes:

Relinquished By: Scott Edblad Date: 04/22/2026 Received By: Date: 5/1/26

OrderID: 042608661

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Site Name: South Annex Jail
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Fresno, CA 93721
Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL	
HA#	16
Material Type:	Adhesive
Color:	Brown
Description:	Associated w/ HA # 16
Estimated Total Qty.:	400 sqft

HAZARD ASSESSMENT			
Friable:	Yes		(No)
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
4th	throughout Building	400 sqft	G

SAMPLES	
Sample #	Sample Location
16A	4th Floor
B	↓
C	

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Fresno, CA 93721
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Inspector: S. Edblad
B. Santos

MATERIAL

HA#	17
Material Type:	Vinyl Floor Tile
Color:	Blue/Gray
Description:	Associated w/ HA # 18
Estimated Total Qty.:	400 sq Ft

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
4th	Control Room / offices	400 sqft	D

SAMPLES

Sample #	Sample Location
17A	4th Floor
B	↓
C	

Notes:

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Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	18
Material Type:	Adhesive
Color:	Dark brown
Description:	Associated w/ HA #17
Estimated Total Qty.:	400 sft

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
4th	Control Room/ offices	400 sft	D

SAMPLES

Sample #	Sample Location
18A	4th Floor
B	↓
C	

Notes:

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

Relinquished By: Scott Edblad Date: 04/22/2026 Received By: Date: 5/2/26

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Project #: 185806843 Task #: 17.1
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Site Name: South Annex Jail
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Fresno, CA 93721
Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL	
HA#	19
Material Type:	Leveling Compound
Color:	white
Description:	Associated w/ 12" x 12" VFT
Estimated Total Qty.:	400 sft

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
	Throughout Building	400 sft	D

SAMPLES	
Sample #	Sample Location
19A	4th Floor
B	↓
C	

Notes:

HAZARD ASSESSMENT			
Friable:	Yes		(No)
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

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Project Name: JCC Fresno County Courthouse
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Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	20
Material Type:	Cove Base
Color:	Black
Description:	6" Associated w/ HA#21
Estimated Total Qty.:	200 SFT

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
	Throughout	200sft	G

SAMPLES

Sample #	Sample Location
20A	4TH Floor
B	↓
C	

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Inspector: S. Edblad
B. Santos

MATERIAL

HA#	21
Material Type:	Adhesive
Color:	white
Description:	Associated w/ HA#20
Estimated Total Qty.:	200 sft

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
	Throughout Building	200sft	G

SAMPLES

Sample #	Sample Location
21 A	4th Floor
B	↓
C	↓

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Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	22
Material Type:	Carpet / Adhesive
Color:	Dark Gray
Description:	Light blue cells res
Estimated Total Qty.:	300 sft

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
3rd	Ligh Blue cells res/ Through out Building	300sft	G

SAMPLES

Sample #	Sample Location
22A	3rd floor
B	↓
C	↓

Notes:

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HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	(Low)	Med	High
Vibration:	(Low)	Med	High
Air Movement:	(Low)	Med	High

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B. Santos

MATERIAL

HA#	23
Material Type:	Epoxy
Color:	Tan
Description:	under Black Carpet
Estimated Total Qty.:	300 sft

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	(Low)	Med	High
Vibration:	(Low)	Med	High
Air Movement:	(Low)	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
	throughout Building	300 sft	G

SAMPLES

Sample #	Sample Location
23A	3rd Floor
B	↓
C	

Notes:

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Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	24
Material Type:	Vinyl Floor sheeting
Color:	Gray/Black
Description:	Associated w/ HA # 25
Estimated Total Qty.:	100 sft

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
3rd	Medical office	100 sft	G

SAMPLES

Sample #	Sample Location
24 A	3rd Floor Medical office
B	↓
C	

Notes:

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	25
Material Type:	Adhesive
Color:	Dark Brown
Description:	Associated w/ HA # 24
Estimated Total Qty.:	100 sft

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
3rd	Medical office	100sft	G

SAMPLES

Sample #	Sample Location
25A	3rd Floor Medical Office
B	↓
C	

Notes:

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Tel: (805) 230-1266
Fax: (805) 230-1277

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	26
Material Type:	Cove base
Color:	Black
Description:	4", associated w/ HA # 27
Estimated Total Qty.:	100 sft

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
1st/3rd	Medical office	100 sft	G

SAMPLES

Sample #	Sample Location
26A	3rd Floor Medical Office
B	↓
C	

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Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL	
HA#	27
Material Type:	Adhesive
Color:	Clear
Description:	Associated w/ HA # 26
Estimated Total Qty.:	100 sft

HAZARD ASSESSMENT			
Friable:	Yes		(No)
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
3rd/1st	Medical Office	100 sft	G

SAMPLES	
Sample #	Sample Location
27 A	3rd Floor Medical office
B	↓
C	

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Project #: 185806843 Task #: 17.1
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Site Address: 2280 Fresno Street
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Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL	
HA#	28
Material Type:	Ceiling tiles/ Adhesive
Color:	white
Description:	Dotted 1'x1' Ceiling Tiles
Estimated Total Qty.:	100 sft

HAZARD ASSESSMENT			
Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
3rd		100 sft	D

SAMPLES	
Sample #	Sample Location
28 A	3rd Floor
B	↓
↓ C	

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Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	29
Material Type:	Vinyl Floor Tile
Color:	white
Description:	Associated w/ HA# 30
Estimated Total Qty.:	200 sft

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
	Throughout Floors: 1st, 2nd and 3rd	200sft	D

SAMPLES

Sample #	Sample Location
29 A	3rd Floor
B	↓
C	

Notes:

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Project #: 185806843 Task #: 17.1
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Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	30
Material Type:	Adhesive
Color:	Black
Description:	Associated w HA # 29
Estimated Total Qty.:	200 sft

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
	Throughout 1st, 2nd and 3rd Floors	200 sft	D

SAMPLES

Sample #	Sample Location
30 A	3rd Floor
B	↓
C	↓

Notes:

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Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
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Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	31
Material Type:	Ceiling Tiles
Color:	white
Description:	2'x4" w/ dots and fissures
Estimated Total Qty.:	6,000 sft

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
	Throughout Building	6,000 sft	D

SAMPLES

Sample #	Sample Location
31 A	3rd Floor
B	↓
C	
D	
E	First Floor
F	↓
G	

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:

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Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	32
Material Type:	Epoxy
Color:	Gray
Description:	In the shower area
Estimated Total Qty.:	300 sft

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
	Shower areas throughout Building	300 sft	G

SAMPLES

Sample #	Sample Location
32 A	3rd Floor
B	↓
C	

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Inspector: S. Edblad
B. Santos

MATERIAL

HA#	33
Material Type:	Cove Base
Color:	Gray
Description:	Associated w/ HA#34
Estimated Total Qty.:	

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
2nd/1st	Near Library	100sft	G

SAMPLES

Sample #	Sample Location
33A	2nd Floor
B	↓
C	

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Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	34
Material Type:	Adhesive
Color:	Brown
Description:	Associated w/ HA #35
Estimated Total Qty.:	100 SFt

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	(Med)	High
Air Movement:	Low	(Med)	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
2nd/1st	Near Library	100sft	G

SAMPLES

Sample #	Sample Location
34A	2nd Floor
B	↓
C	

Notes:

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Bulk Sample Log

4572 Telephone Road, Suite 916
Ventura, CA 93003
Tel: (805) 230-1266
Fax: (805) 230-1277

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	35
Material Type:	Plaster
Color:	white
Description:	wall Patch
Estimated Total Qty.:	10sft

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
2nd	Near library	10sft	D

SAMPLES

Sample #	Sample Location
35 A	2nd Floor
B	↓
C	

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Notes:

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Tel: (805) 230-1266
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OrderID: 042608661

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
: FIRST & SECOND FLOORS

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	36
Material Type:	ADHESIVE
Color:	YELLOW / TRANSLUCENT
Description:	~~36"x36"~~ 24"x24" CARPET TILES
Estimated Total Qty.:	900sf

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	(Low)	Med	High
Vibration:	Low	Med	(High)
Air Movement:	(Low)	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
2	LIBRARY OFFICES	600	G
1	OFFICES	300	G

SAMPLES

Sample #	Sample Location
36A	2ND FLR LIBRARY
B	↓
C	↓

Notes:

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Fax: (805) 230-1277

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	37
Material Type:	FIRE PROOFING
Color:	WHITE
Description:	METAL/CONCRETE CEILINGS AND I-BEAMS
Estimated Total Qty.:	100,000SF

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
P	THROUGHOUT	100KSF	G
4	↓		
3			
2			
1			

SAMPLES

Sample #	Sample Location
37A	2ND FLOOR – MECHANICAL ROOM
B	↓ – BEAMS
C	
D	

Notes: THREE SAMPLES COLLECTED FROM THE PENTHOUSE ON 11/21/24 BY LES

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Tel: (805) 230-1266
Fax: (805) 230-1277

OrderID: 042608661

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	38
Material Type:	FIRESTOP
Color:	RED / PINK
Description:	WALL PENETRATIONS
Estimated Total Qty.:	50 SF

HAZARD ASSESSMENT

Friable:	Yes	(No)	
Contact by Maintenance:	(Low)	Med	High
Vibration:	Low	Med	(High)
Air Movement:	(Low)	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
P	THROUGHOUT	50 SF	G
4	↓		
3			
2			
1			
B			

SAMPLES

Sample #	Sample Location
38 A	2ND FLOOR PIPE CHASE
↓ B	↓
C	

Notes:

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OrderID: 042608661

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/2/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	39
Material Type:	SEALANT
Color:	WHITE
Description:	HVAC DUCTING SEAMS
Estimated Total Qty.:	600SF

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	(Low)	Med	High
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
P	THROUGHOUT	600SF	G
4			
3			
2			
1			
B			

SAMPLES

Sample #	Sample Location
39 A	2ND FLOOR PIPE CHASE
B	↓
C	↓

Notes:

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OrderID: 042608661

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	40
Material Type:	VFS
Color:	GRAY
Description:	PEBBLE PATTERN ASSOCIATED WITH HA#41
Estimated Total Qty.:	400SF

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
1	MEDICAL EXAM ~~MEDICAL EXAM~~ ROOMS	400SF	G
2			

SAMPLES

Sample #	Sample Location
40 A	2ND FLOOR – EXAM RM.
B	↓
C	

Notes:

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HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Relinquished By: Scott Edblad Date: 04/22/2026 Received By: [signature] Date: 5/2/26

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OrderID: 042608661

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	41
Material Type:	ADHESIVE
Color:	BROWN
Description:	ASSOCIATED WITH HA # 40
Estimated Total Qty.:	400SF

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
1	MEDICAL EXAM	400SF	G
2	ROOMS		

SAMPLES

Sample #	Sample Location
41-A	2ND FLOOR - EXAM RM.
B	↓
C	↓

Notes:

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	42
Material Type:	GYPSUM BOARD
Color:	WHITE
Description:	INTERIOR OFFICE WALLS ASSOCIATED WITH HA #43
Estimated Total Qty.:	600SF

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
2	OFFICES/EXAMINS	300	G
1	↓	300	↓

SAMPLES

Sample #	Sample Location
42 A	2ND FLOOR-OFFICE
↓ B	↓
C	

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Notes:

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Relinquished By: Scott Edblad Date: 04/22/2026 Received By: Date: 5/4/26

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	43
Material Type:	JOINT COMPOUND
Color:	WHITE
Description:	ASSOCIATED WITH HA# 42
Estimated Total Qty.:	6005f

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement	Low	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
2	OFFICES/EXAM RMS	300	G
1	↓	300	↓

SAMPLES

Sample #	Sample Location
43 A	2ND FLOOR - OFFICE
↓ B	↓
C	

Notes:

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:

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Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	44
Material Type:	CARPET
Color:	BLACK/WHITE
Description:	24"x24" LINE PATTERN ASSOCIATED WITH HA # 45
Estimated Total Qty.:	400SF

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
2	LIBRARY/OFFICES	200SF	G
1	OFFICES	200SF	G

SAMPLES

Sample #	Sample Location
44A	LIBRARY - 2ND FLOOR
B	↓
C	

Notes:

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	45
Material Type:	ADHESIVE
Color:	YELLOW / TRANSLUCENT
Description:	ASSOCIATED WITH HA# 44
Estimated Total Qty.:	400SF

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
2	LIBRARY / OFFICES	200SF	G
1	OFFICES	200SF	G

SAMPLES

Sample #	Sample Location
45A	LIBRARY - 2ND FLOOR
↓ B	↓
C	

Notes:

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OrderID: 042608661

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	46
Material Type:	COVE BASE
Color:	BLACK
Description:	~~CHG~~ 4" ASSOCIATED WITH HA # 47
Estimated Total Qty.:	400SF

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	Med	(High)
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
2	THROUGHOUT	400SF	G
1	↓		
B	↓		

SAMPLES

Sample #	Sample Location
46 A	LIBRARY ~~CORRIDOR~~ – 2ND FLOOR
↓ B	↓
C	

Notes:

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Received By: [signature] Date: 5/1/26

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OrderID: 042608661

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/23/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	47
Material Type:	ADHESIVE
Color:	WHITE
Description:	ASSOCIATED WITH HA# 46
Estimated Total Qty.:	4005F

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	(Low)	Med	High
Vibration:	Low	Med	(High)
Air Movement:	(Low)	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
2	THROUGHOUT	4005F	G
1	↓		
B	↓		

SAMPLES

Sample #	Sample Location
47A	LIBRARY - 2ND FLOOR
↓ B	↓
C	

Notes:

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OrderID: 042608661

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Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	48
Material Type:	VFT
Color:	GRAYISH GREEN TAN
Description:	9"x 9" ASSOCIATED WITH HA# 49
Estimated Total Qty.:	400SF

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
1	LOBBY/OFFICES/ CLOSETS (CONCEALED UNDER 12"X12")	400SF	D

SAMPLES

Sample #	Sample Location
48 A	1ST FLOOR LOBBY
B	↓
C	↓

Notes:

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HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Relinquished By: Scott Edblad Date: 04/22/2026 Received By: Date: 5/2/26

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OrderID: 042608661

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Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/ /2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	49
Material Type:	ADHESIVE
Color:	BLACK
Description:	ASSOCIATED WITH HA #48
Estimated Total Qty.:	500SF

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
1	LOBBY / OFFICES / CLOSETS / RESIDUAL IN CORRIDORS (CONCEALED UNDER 12"X12")	500SF	D

SAMPLES

Sample #	Sample Location
49 A	1ST FLOOR LOBBY
B	↓
C	↓

Notes:

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Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	50
Material Type:	TSI
Color:	FOIL / PINK
Description:	DUCT INSULATION
Estimated Total Qty.:	100SF

HAZARD ASSESSMENT

Friable:	(Yes)		No
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
1	THROUGHOUT	100SF	G

SAMPLES

Sample #	Sample Location
50A	1ST FLOOR OFFICE
↓ B	↓
↓ C	

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Notes:

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	51
Material Type:	TEXTURE
Color:	WHITE
Description:	ASSOCIATED WITH GYPSUM BOARD WALLS
Estimated Total Qty.:	600SF

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
3	THROUGHOUT	600SF	G
2	↓		
1	↓		

SAMPLES

Sample #	Sample Location
51.9	THIRD FLOOR
↓ B	↓
↓ C	

Notes:

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HAZARD ASSESSMENT

Friable:	(Yes)		No
Contact by Maintenance:	Low	Med	(High)
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

Relinquished By: Scott Edblad Date: 04/22/2026 Received By: [signature] Date: 5/1/26

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/23/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	52
Material Type:	ADHESIVE
Color:	ORANGE
Description:	ASSOCIATED WITH FRP
Estimated Total Qty.:	150 SF

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	(Low)	Med	High
Vibration:	Low	Med	(High)
Air Movement:	(Low)	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
ALL	JANITOR'S	150 SF	G
	CLOSETS & EMPLOYEE		
	RESTROOM		

SAMPLES

Sample #	Sample Location
52 A	2ND FLOOR - JANITOR'S
↓ B	↓
C	

Notes:

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/29/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	53
Material Type:	GROUT
Color:	GRAY
Description:	~~8"x8"~~ ASSOCIATED WITH HA# 54
Estimated Total Qty.:	800SF

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
B	BASEMENT LAUNDRY ROOMS	800SF	G

SAMPLES

Sample #	Sample Location
53A	LAUNDRY
↓ B	↓
C	

Notes:

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Project #: 185806843 Task #: 17.1
:
Site Name: South Annex Jail
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Fresno, CA 93721
Date: 04/23/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	54
Material Type:	CERAMIC TILE
Color:	RED
Description:	9"X9" ASSOCIATED WITH #53
Estimated Total Qty.:	800SF

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	Med	(High)
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
B	BASEMENT LAUNDRY ROOMS	800SF	G

SAMPLES

Sample #	Sample Location
54A	LAUNDRY
↓ B	↓
C	

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Fax: (805) 230-1277

Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:
Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721
Date: 04/23/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	55
Material Type:	VFS/TREAD
Color:	GRAY/TEXTURED
Description:	FLOORS/WALLS ASSOCIATED WITH HA# 56
Estimated Total Qty.:	3,000SF

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
1	CORRIDORS/	3KSF	D
B	HALLWAYS		

SAMPLES

Sample #	Sample Location
55A	BASEMENT MAINTENCE HALLWAY
1B	
C	
D	
B	

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
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Fresno, CA 93721

Date: 04/23/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	56
Material Type:	CAULKING
Color:	BROWN
Description:	~~FLOORS/WALL~~ ASSOCIATED WITH HA# 55
Estimated Total Qty.:	3,000SF

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	(Low)	Med	High
Vibration:	Low	Med	(High)
Air Movement:	(Low)	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
1	CORRIDORS /	3KSF	D
B	HALLWAYS		

SAMPLES

Sample #	Sample Location
56 A	BASEMENT MAINTENANCE HALLWAY
B	
C	
D	
E	

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
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Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721
Date: 04/23/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	57
Material Type:	GROUT / THINSET
Color:	GRAY / WHITE
Description:	~~(5) ASSOCIATED WITH HA #~~ * SEE NOTES 582
Estimated Total Qty.:	500SF ~~2665F 00~~

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	(Low)	Med	High
Vibration:	Low	Med	(High)
Air Movement:	(Low)	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
B	~~CORRIDORS~~ HALLWAY / RESTROOM	500SF	D

SAMPLES

Sample #	Sample Location
57 A	BASEMENT MAINTENCE HALLWAY
B	
C	

* Notes: ASSOCIATED WITH 4"X4" CERAMIC TILE IN HALLWAYS AND RESTROOMS (WHITE & TAN).

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:
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Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	58
Material Type:	CERAMIC TILE CEILING PANEL
Color:	WHITE/TAN BROWN
Description:	4'x4' ASBESTOS WITH HAM * SEE NOTES 5-72
Estimated Total Qty.:	500SF

100 SF

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
B	HALLWAY / RESTROOMS	500SF	D
2	STAFF RESTROOM	100SF	G

SAMPLES

Sample #	Sample Location
58 A	BASEMENT STAFF RESTROOM
B	MAINTENANCE HALLWAY
C	

Notes: * 2' x 4' GYPSUM BOARD TILE PANELS

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Project #: 185806843 Task #: 17.1
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Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/23/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	59
Material Type:	CMU
Color:	GRAY/BLACK
Description:	8"X16" ASSOCIATED WITH HA# 60
Estimated Total Qty.:	800 SF

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	Med	(High)
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
ALL	INTERIOR WALLS STAIRS - HALLWAYS	800SF	G

SAMPLES

Sample #	Sample Location
59 A	2ND FLOOR CORRIDOR
B	↓
C	

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
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Fresno, CA 93721

Date: 04/27/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	60
Material Type:	MORTAR
Color:	GRAY
Description:	ASSOCIATED WITH HA# 59
Estimated Total Qty.:	800SF

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
ALL	INTERIOR WALLS	800SF	G
	STAIRS - HALLWAYS		

SAMPLES

Sample #	Sample Location
60 A	2ND FLOOR CORRIDOR
B	↓
C	

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
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Fresno, CA 93721

Date: 04/23/2026
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B. Santos

MATERIAL

HA#	G1
Material Type:	THERMAL CLAY TILE
Color:	RED
Description:	12"x12" WALL TILE
Estimated Total Qty.:	100 SF

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	Med	(High)
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
B	MECHANICAL / BOILER ROOM WALLS	100 SF	G

SAMPLES

Sample #	Sample Location
G1 a	BOILER ROOM
↓ b	↓
c	

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:
Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721
Date: 04/23/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	62
Material Type:	CONCRETE (ROCK)
Color:	TAN / GRAY
Description:	EXTERIOR WALLS / FLOORS
Estimated Total Qty.:	50,000SF

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	Med	(High)
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
EXT	THROUGHOUT	50KSF	G

SAMPLES

Sample #	Sample Location
62 A	NE - LOADING DOCK
B	
C	
D	CORNER
E	NW CORNER
F	
G	

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/23/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	63
Material Type:	SEALANT
Color:	GRAY
Description:	EXPANSION JOINTS
Estimated Total Qty.:	200 SF

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
EXT	EXTERIOR CONCRETE AND STUCCO JOINTS	200SF	G

SAMPLES

Sample #	Sample Location
63A	NW
B	↓
C	↓

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:

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Fresno, CA 93721

Date: 04/~~29~~22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	64
Material Type:	PAINT
Color:	WHITE
Description:	4" PIPE TSI
Estimated Total Qty.:	20SF

HAZARD ASSESSMENT

Friable:	(Yes)		No
Contact by Maintenance:	Low	(Med)	High
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
P	PENTHOUSE	20 SF	D

SAMPLES

Sample #	Sample Location
64 A	OVERHEAD PIPE

Notes: ASSOCIATED WHITE PAINT SAMPLE P01

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Project #: 185806843 Task #: 17.1
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Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	65
Material Type:	PAINT
Color:	WHITE/RED
Description:	CONTROL PANEL DOOR
Estimated Total Qty.:	15SF ~~20 SF~~

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	Med	(High)
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
4	4TH FLOOR	15SF	D

SAMPLES

Sample #	Sample Location
659	METAL PANEL DOOR

Notes: ASSOCIATED WITH PAINT SAMPLE P02

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/23/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	66
Material Type:	~~UNKNOWN~~ PAINT
Color:	WHITE
Description:	RESIDUAL WALL PAINT (CONCRETE)
Estimated Total Qty.:	500SF

HAZARD ASSESSMENT

Friable:	(Yes)		No
Contact by Maintenance:	Low	Med	(High)
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
B	BASEMENT LAUNDRY	500SF	D

SAMPLES

Sample #	Sample Location
669	CLOTHES STORAGE

Notes: ASSOCIATED WITH PAINT SAMPLE 003

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Project #: 185806843 Task #: 17.1
:

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Fresno, CA 93721

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Inspector: S. Edblad
B. Santos

MATERIAL

HA#	67
Material Type:	PAINT
Color:	LIGHT BLUE/RED
Description:	METAL DESK
Estimated Total Qty.:	15 SF

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	Med	(High)
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
4	DESK/WORK AREA	15 SF	D

SAMPLES

Sample #	Sample Location
679	DESK TOP

Notes: ASSOCIATED WITH PAINT SAMPLE #4

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B. Santos

MATERIAL

HA#	68
Material Type:	PAINT
Color:	~~BLUE/RED~~ POWDER BLUE/ TAN
Description:	~~On~~ METAL WALL
Estimated Total Qty.:	50SF

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	Med	(High)
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
4	WORK AREA	50SF	D

SAMPLES

Sample #	Sample Location
68A	METAL WALL

Notes: ASSOCIATED WITH PAINT SAMPLE P05

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Fresno, CA 93721

Date: 04/23/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	69
Material Type:	PAINT
Color:	RED
Description:	FLOOR PAINT (CONCRETE)
Estimated Total Qty.:	100 SF

HAZARD ASSESSMENT

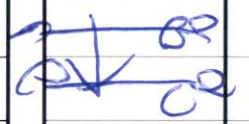
Friable:	Yes		(No)
Contact by Maintenance:	Low	Med	(High)
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
B	BASEMENT –	100 SF	D
	ELEVATOR		
	RESERVOIR ROOM		

SAMPLES

Sample #	Sample Location
69A	CONCRETE FLOOR –



Notes: ASSOCIATED WITH PAINT SAMPLE P06

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Project #: 185806843 Task #: 17.1
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Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	70
Material Type:	PAINT
Color:	GREEN/BLUE/RED
Description:	METAL DOOR FRAME
Estimated Total Qty.:	10SF

HAZARD ASSESSMENT

Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
2	MEDICAL OFFICE	10SF	D

SAMPLES

Sample #	Sample Location
709	METAL DOOR FRAME

Notes: ASSOCIATED WITH PAINT SAMPLE 707

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Project Name: JCC Fresno County Courthouse
Project #: 185806843 Task #: 17.1
:

Site Name: South Annex Jail
Site Address: 2280 Fresno Street
Fresno, CA 93721

Date: 04/22/2026
Inspector: S. Edblad
B. Santos

MATERIAL

HA#	71
Material Type:	PAINT
Color:	GRAY
Description:	CONCRETE FLOOR
Estimated Total Qty.:	200 SF

HAZARD ASSESSMENT

Friable:	Yes		(No)
Contact by Maintenance:	Low	Med	(High)
Vibration:	Low	Med	(High)
Air Movement:	Low	Med	(High)

MATERIAL LOCATIONS

Floor #	Location	Quantity Estimate	Cond.
1	TRAINING ROOM (SHOT)	200SF	D

SAMPLES

Sample #	Sample Location
71A	CONCRETE FLOOR

Notes: ASSOCIATED WITH PAINT SAMPLE P08

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APPENDIX F

Personnel Certifications and Laboratory Accreditations

STATE OF CALIFORNIA
DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Occupational Safety and Health-Asbestos & Carcinogen Unit
1750 Howe Avenue, Suite 460
Sacramento, CA 95825
(916) 574-2993 Office http://www.dir.ca.gov/dosh/asbestos.html actu@dir.ca.gov

Gavin Newsom, Governor

901214483C

12/8/2025

Audrey Lundin
[redacted]
Walnut Creek CA 94595

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. **To maintain your certification, you must abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address or email w any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Dean Mochrie, CAC
Senior Safety Engineer

Attachment: Certification Card

cc: File

Renewal – Card Attached (08/24)



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Laboratory ID: LAP-100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs, LLC (AIHA LAP) accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

☑	**INDUSTRIAL HYGIENE**	Accreditation Expires: April 01, 2027
☑	**ENVIRONMENTAL LEAD**	Accreditation Expires: April 01, 2027
☑	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: April 01, 2027
☐	**FOOD**	Accreditation Expires:
☐	**UNIQUE SCOPES**	Accreditation Expires:
☐	**BE FIELD/MOBILE**	Accreditation Expires:

Specific Field(s) of Testing/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA LAP requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl O Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision21: 10/24/2023

Date Issued: 05/01/2025

AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Laboratory ID: LAP-100194

Issue Date: 06/01/2025
Expire Date: 04/01/2027

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air and composited wipes analyses are not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 01/18/1995

Component, parameter, characteristic, material, or product tested	Technology sub-type/Detector	Method	Method Description *(for internal methods only)*
Airborne Dust	AA	NIOSH 7082	N/A
Composited Wipes	AA	EPA SW-846 3050B	N/A
		EPA SW-846 7000B	N/A
Paint	AA	EPA SW-846 3050B	N/A
		EPA SW-846 7000B	N/A
	ICP	EPA SW-846 3050B	N/A
		EPA SW-846 3051A	N/A
		EPA SW-846 6010D	N/A
Settled Dust by Wipe	AA	EPA SW-846 3050B	N/A
		EPA SW-846 7000B	N/A
	ICP	EPA SW-846 3050B	N/A
		EPA SW-846 3051A	N/A
		EPA SW-846 6010D	N/A
Soil	AA	EPA SW-846 3050B	N/A
		EPA SW-846 7000B	N/A

Component, parameter, characteristic, material, or product tested	Technology sub-type/Detector	Method	Method Description *(for internal methods only)*
	ICP	EPA SW-846 3050B	N/A
		EPA SW-846 3051A	N/A
		EPA SW-846 6010D	N/A

A complete listing of currently accredited ELLAP laboratories is available on the AIHA LAP, LLC website at:
http://www.aihaaccreditedlabs.org

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Laboratory ID: LAP-100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs, LLC (AIHA LAP) accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

☑	**INDUSTRIAL HYGIENE**	Accreditation Expires: April 01, 2027
☑	**ENVIRONMENTAL LEAD**	Accreditation Expires: April 01, 2027
☑	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: April 01, 2027
☐	**FOOD**	Accreditation Expires:
☐	**UNIQUE SCOPES**	Accreditation Expires:
☐	**BE FIELD/MOBILE**	Accreditation Expires:

Specific Field(s) of Testing/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA LAP requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl O Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision21: 10/24/2023

Date Issued: 05/01/2025

AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Laboratory ID: LAP-100194

Issue Date: 08/05/2024
Expire Date: 04/01/2027

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 02/01/1989

IHLAP Scope Category	Field of Testing (FOT)	Technology sub-type/Detector	Published Reference Method/Title of In-house Method	Component, parameter, characteristic, material, or product tested
Asbestos/Fiber Microscopy Core	Phase Contrast Microscopy (PCM)	-	NIOSH 7400	Asbestos/Fibers
Asbestos/Fiber Microscopy Core	Polarized Light Microscopy (PLM)	-	EPA 600/R-93/116	Asbestos & Other Fibers in Bulk
Asbestos/Fiber Microscopy Core	Transmission Electron Microscopy (TEM)	-	EPA AHERA - 40 CFR Part 763	Asbestos
Asbestos/Fiber Microscopy Core	Transmission Electron Microscopy (TEM)	-	NIOSH 7402	Asbestos/Fibers
Chromatography Core	Gas Chromatography	Diffusive Sampler	NIOSH 1501	Aromatic Hydrocarbons
Chromatography Core	Gas Chromatography	GC/ECD	NIOSH 5503 Modified	Polychlorinated biphenyls
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1003 Modified	Halogenated Hydrocarbons
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1005 Modified	Methylene Chloride
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1400 Modified	Alcohols
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1500 Modified	Hydrocarbons
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1501 Modified	Aromatic Hydrocarbons
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1550 Modified	Total Petroleum Hydrocarbons
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1603 Modified	Acetic Acid
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 2000 Modified	Methyl Alcohol
Chromatography Core	Gas Chromatography	GC/MS	EPA TO-15	Volatile Organic Compounds
Chromatography Core	Ion Chromatography (IC)	-	NIOSH 6004 Modified	Sulfur Dioxide/Sulfate

AIHA LAP™

IHLAP Scope Category	Field of Testing (FOT)	Technology sub-type/Detector	Published Reference Method/Title of In-house Method	Component, parameter, characteristic, material, or product tested
Chromatography Core	Ion Chromatography (IC)	-	NIOSH 6011	Chlorine & Bromine
Chromatography Core	Ion Chromatography (IC)	-	NIOSH 7903	Inorganic Acids
Chromatography Core	Ion Chromatography (IC)	-	OSHA ID-214	Ozone
Chromatography Core	Liquid Chromatography	HPLC/FL	NIOSH 2016	Formaldehyde
Chromatography Core	Liquid Chromatography	HPLC/UV	NIOSH 5506 Modified	Polynuclear Aromatic Hydrocarbons (PAHs)
Chromatography Core	Liquid Chromatography	LC/MS	NIOSH 9111 Modified	Methamphetamines
Miscellaneous Core	Gravimetric	-	NIOSH 0500	Total Dust
Miscellaneous Core	Gravimetric	-	NIOSH 0600	Respirable Dust
Miscellaneous Core	Gravimetric	-	NIOSH 5524	Metal Working Fluids
Miscellaneous Core	Thermo-optical Analysis (TOA)	-	NIOSH 5040	Elemental Carbon
Spectrometry Core	Atomic Absorption	CVAA	NIOSH 6009 Modified	Mercury
Spectrometry Core	Atomic Absorption	CVAA	OSHA ID-140 Modified	Mercury vapor
Spectrometry Core	Atomic Absorption	CVAA	OSHA ID-145	Mercury particulate
Spectrometry Core	Atomic Absorption	FAA	NIOSH 7082	Lead
Spectrometry Core	Inductively-Coupled Plasma	ICP/AES	NIOSH 7300 Modified	Lead
Spectrometry Core	Inductively-Coupled Plasma	ICP/MS	NIOSH 7300 Modified	Lead
Spectrometry Core	X-ray Diffraction (XRD)	-	NIOSH 7500	Silica
Spectrometry Core	X-ray Diffraction (XRD)	-	OSHA ID-142	Silica

A complete listing of currently accredited IHLAP laboratories is available on the AIHA LAP, LLC website at: http://www.aihaaccreditedlabs.org

STATE OF CALIFORNIA
DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Occupational Safety and Health-Asbestos & Carcinogen Unit
1750 Howe Avenue, Suite 460
Sacramento, CA 95825
(916) 574-2993 Office http://www.dir.ca.gov/dosh/asbestos.html actu@dir.ca.gov

Gavin Newsom, Governor

510308049C

4/15/2026

Theresa Bella Silvestre dos Santos
3700 S Plaza Drive, #A208
Santa Ana CA 92709

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. **To maintain your certification, you must abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address or email w any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Dean Mochrie, CAC
Senior Safety Engineer

Attachment: Certification Card

cc: File

Renewal – Card Attached (08/24)


State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant
Theresa Bella Silvestre dos Santos
Name
Certification No. **26-8049**
Expires on **03/20/2027**
This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq of the Business and Professions Code

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101048-0

EMSL Analytical, Inc.

Cinnaminson, NJ

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2025-07-01 through 2026-06-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
Ms. Samantha Rundstrom
Phone: 856-303-2577
Email: srundstrom@emsl.com
http://www.emsl.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 101048-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

STATE OF CALIFORNIA
DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Occupational Safety and Health-Asbestos & Carcinogen Unit
1750 Howe Avenue, Suite 460
Sacramento, CA 95825
(916) 574-2993 Office http://www.dir.ca.gov/dosh/asbestos.html actu@dir.ca.gov

Gavin Newsom, Governor

201504095414C

4/27/2026

Scott Edblad
182 Walter Avenue
Newbury Park CA 91320

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. **To maintain your certification, you must abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address or email w any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Dean Mochrie, CAC
Senior Safety Engineer

Attachment: Certification Card

cc: File

Renewal – Card Attached (08/24)



APPENDIX G

CDPH Lead Hazard Evaluation Report

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation April 22-23, 2026

Section 2 — Type of Lead Hazard Evaluation (Check one box only)

☐ Lead Inspection ☐ Risk assessment ☐ Clearance Inspection ☑ Other (specify) Paint Chip Samples

Section 3 — Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]	City	County	Zip Code
2280 Fresno Street	Fresno	Fresno	93724

Construction date (year) of structure	Type of structure	Children living in structure?
1942, annex added in 1960	☐ Multi-unit building ☐ School or daycare ☐ Single family dwelling ☑ Other Jail	☐ Yes ☑ No ☐ Don't Know

Section 4 — Owner of Structure (if business/agency, list contact person)

Name	Telephone number
County of Fresno	

Address [number, street, apartment (if applicable)]	City	State	Zip Code

Section 5 — Results of Lead Hazard Evaluation (check all that apply)

☐ No lead-based paint detected ☐ Intact lead-based paint detected ☑ Deteriorated lead-based paint detected

☐ No lead hazards detected ☐ Lead-contaminated dust found ☐ Lead-contaminated soil found ☐ Other

Section 6 — Individual Conducting Lead Hazard Evaluation

Name	Telephone number
Scott Edblad	661-754-0862

Address [number, street, apartment (if applicable)]	City	State	Zip Code
4572 Telephone Road, Suite 916	Ventura	CA	93003

CDPH certification number	Signature	Date
LRC-14821		5/13/2026

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

Scott Edblad (LRC-14821), Bella Santos (LRC-11042)

Section 7 — Attachments

A. A foundation diagram or sketch of the structure indicating the specifc locations of each lead hazard or presence of lead-based paint;
B. Each testing method, device, and sampling procedure used;
C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:

California Department of Public Health
Childhood Lead Poisoning Prevention Branch Reports
850 Marina Bay Parkway, Building P, Third Floor
Richmond, CA 94804-6403
Fax: (510) 620-5656

Appendix J Preliminary Geotechnical Study

MOORE TWINING ASSOCIATES, INC.

PRELIMINARY GEOTECHNICAL ENGINEERING AND GEOLOGIC HAZARDS INVESTIGATION REPORT FOR SITE ACQUISITION PHASE - SITE 1A

NEW FRESNO COURTHOUSE

FRESNO, FRESNO COUNTY, CALIFORNIA

Project Number: C88004.01-03

For:

Precision Civil Engineering, Inc.
1234 O Street
Fresno, CA 93721

March 24, 2026 (Revised April 27, 2026)

www.mooretwining.com

PH: 559.268.7021
FX: 559.268.7126
2527 Fresno Street
Fresno, CA 93721

MOORE TWINING ASSOCIATES, INC.

April 27, 2026 C88004.01-03

Precision Civil Engineering, Inc.
1234 O Street
Fresno, CA 93721

Attention: Mr. Craig Roberts

Subject: **Preliminary Geotechnical Engineering and Geologic Hazards Investigation**
For Site Acquisition Phase - Site 1A
New Fresno Courthouse
Fresno, Fresno County, California

Dear Mr. Roberts:

We are pleased to submit this preliminary geotechnical engineering and geologic hazards investigation prepared for the "Site 1A" acquisition phase for the proposed courthouse to be located in Fresno, Fresno County, California. As background, Moore Twining Associates, Inc. (Moore Twining) previously conducted a preliminary investigation of two potential building sites identified as site locations 1A and 1B within Courthouse Park as reported in our September 22, 2023 Preliminary Geotechnical Engineering and Geohazards Investigation Report for Site Selection Phase, dated September 22, 2023. The following report includes additional investigation of Site 1A as well as the previous geotechnical engineering data that was obtained as part of our previous investigation. Thus, the following report supersedes the September 22, 2023 report.

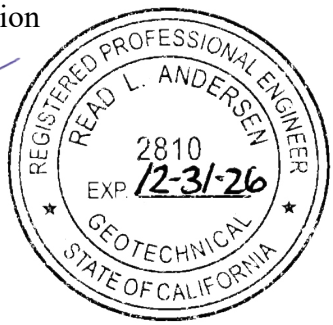
The contents of this report include the purpose of the investigation, scope of services, background information, investigative procedures, our findings, evaluations, and preliminary conclusions and recommendations.

We appreciate the opportunity to be of service. If you have any questions regarding this report, or if we can be of further assistance, please contact us at your convenience.

Sincerely,

MOORE TWINING ASSOCIATES, INC.
Geotechnical Engineering Division

Read L. Andersen, RGE
Manager



www.mooretwining.com
PH: 559.268.7021
FX: 559.268.7126
2527 Fresno Street
Fresno, CA 93721

EXECUTIVE SUMMARY

Moore Twining Associates, Inc. (Moore Twining) prepared this geotechnical engineering and geohazards investigation report for the site acquisition phase of the new courthouse planned at the Site 1A location at the Courthouse Park site in downtown Fresno, California.

Site 1A is currently occupied by the South Annex Jail and a Sheriff's Office Building. This area is currently occupied by the existing South Annex Jail and the Fresno County Sheriff's Office Buildings (see Drawing No. 4 in Appendix A). The South Annex Jail and Fresno County Sheriff's Office buildings both include basement levels. The South Annex Jail basement is also connected with level P1 of the existing underground parking garage. In addition, an existing prisoner transport tunnel which extends from the County Main Jail building to buildings within Courthouse Park extends below the site.

At the time of preparation of this report, only conceptual design level information was available regarding the proposed courthouse structure. The courthouse structure is anticipated to include a jury assembly area, loading dock area, central holding area, mechanical equipment, sally port functions and other elements typical of similar structures. It is our understanding that the new courthouse will include a tower with up to about 11 stories and a mechanical floor above the 11th story. One below grade basement level is anticipated.

In July, 2023, six (6) test borings were drilled at the site to depths ranging from about 16½ to about 76½ feet below site grades (BSG). In November and December, 2025, and January, 2026, eight (8) additional test borings were drilled at the site to depths ranging from about 51½ to about 81½ feet below site grades (BSG).

The soil borings drilled for this investigation encountered fill soils ranging in depth from 4 to 6 feet BSG. Below the fill soils, the near surface native soils encountered generally consisted of very loose to dense silty sands. The near surface silty sands were underlain by interbedded layers of loose to very dense clayey sands, loose to very dense poorly graded sands with silt, loose to dense poorly graded sands, very stiff to hard sandy lean clays (or lean clays with sand), hard sandy silts, and additional loose to very dense silty sands extending to the maximum depths explored. The very loose to medium dense granular soils generally extended to depths of about 15 to 20 feet BSG in the borings. The granular soils encountered below a depth of about 15 or 20 feet BSG were generally dense to very dense, and the fine grained soils below a depth of about 15 or 20 feet BSG were generally very stiff to hard.

Free groundwater was not encountered in the test borings drilled at the time of our July 2023 field exploration, nor our November 2025 or January 2026 field exploration to the maximum depth explored, about 81½ feet BSG. However, a relatively thin lens of suspected perched groundwater was encountered within borings B-9 and B-10 at a depth of about 65 feet BSG. Refer to the logs of borings in Appendix B of this report. Due to the depth of groundwater, the potential for liquefaction to occur is low.

EXECUTIVE SUMMARY (Continued)

The potential for the geologic/seismic hazards reviewed as part of this study to impact the proposed project are considered low. However, as indicated in this report (refer to Drawing No. 8 in Appendix A), part of the site is located within the inundation zone for catastrophic failure of Fancher Creek Reservoir and Big Dry Creek Detention Reservoir. Also, as noted in this report, although the potential for radon gas levels to exceed 4 picocuries per liter appears low, considering the public nature of the building and the recommendations of CGS Special Report 247, radon gas testing would be recommended within existing nearby buildings and basement levels to obtain specific data to determine if any special soil gas control systems are needed for the proposed structure due to a potential for elevated indoor radon levels.

Due to the column spacing and the anticipated structure loads provided by HOK, a structural mat foundation system is anticipated to be used for support of the new courthouse. Based on the information provided by HOK, a maximum applied ground pressure of 3,500 pounds per square foot was assumed for consideration of a mat foundation when supported on the dense granular soils and/or very stiff to hard fine-grained soils encountered below depths of about 20 to 25 feet BSG.

Numerous below grade structures are located adjacent to the planned basement excavation. Due to the proximity of the adjacent, existing improvements including adjacent buildings with basement levels and retaining walls, the excavations required for the project have a potential to impact adjacent improvements. Thus, demolition and construction activities will need to be conducted in a manner to limit ground vibration as well as to avoid undermining support of adjacent foundations so as not to damage existing improvements which are to remain.

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PRELIMINARY GEOTECHNICAL ENGINEERING AND GEOLOGIC HAZARDS INVESTIGATION REPORT FOR SITE ACQUISITION PHASE - SITE 1A

NEW FRESNO COURTHOUSE

FRESNO, FRESNO COUNTY, CALIFORNIA

Project Number: C88004.01-03

1.0 INTRODUCTION

This report presents the results of a preliminary geotechnical engineering and geologic hazards investigation prepared for the site acquisition phase for the new courthouse to be located at "Site 1A" within Courthouse Park in Fresno, Fresno County, California. Moore Twining Associates, Inc. (Moore Twining) was authorized by Precision Civil Engineering, Inc. to conduct this investigation.

The contents of this report include the purpose of the investigation and the scope of services provided. The site history, previous studies, site description, and anticipated construction are discussed. In addition, a description of the investigative procedures used and the subsequent findings obtained are presented. Finally, the report provides an evaluation of the findings, and preliminary conclusions and recommendations. The report appendices contain the drawings (Appendix A), the logs of borings (Appendix B), the results of laboratory tests (Appendix C), site photographs (Appendix D), and the site-specific response spectra (Appendix E).

The Geotechnical Engineering Division of Moore Twining, headquartered in Fresno, California, performed the investigation.

2.0 PURPOSE AND SCOPE OF INVESTIGATION

2.1 Purpose: The purpose of this investigation is to conduct a geotechnical engineering exploration program to evaluate potential geotechnical engineering and geologic constraints to the proposed project for use in development of the project environmental documents (CEQA and NEPA), evaluate the data collected during the field and laboratory operations, and provide the following preliminary information for use in design of the Criteria Architect plans used for bidding the design-bid project work.

2.1.1 A general description of the subsurface soil and groundwater conditions encountered and review of published geologic information related to the site;

2.1.2 A summary of the site history based on review of historic, low elevation aerial photographs and Sanborn maps;

2.1.3 Discussion of geotechnical engineering and geological conditions identified during the preliminary investigation which may present significant impacts to site development;

2.1.4 Assessment of potential geotechnical engineering and geologic constraints such as faulting, expansive soils, liquefaction and seismic settlement, and compressible soils;

2.1.5 Preliminary foundation design information including recommended foundation type(s), minimum depths; and preliminary geotechnical engineering parameters for use in conceptual design;

2.1.6 Mapped seismic design coefficients based on the 2025 California Building Code (CBC) and development of a site-specific response spectra;

2.1.7 Assessment of potential geologic and seismic hazards in accordance with the November 2022 California Geological Survey, Note 48;

2.1.8 Summary of soil corrosivity potential testing; and

2.1.9 Final test boring logs and presentation of laboratory test results.

This report is a preliminary report intended for use in the site acquisition phase of the project. It is not the intent of the investigation to provide final geotechnical engineering design parameters for the foundations as we understand the final design will be developed by a design-build contractor. It is our understanding sometime after a design-build contractor is selected, the design build geotechnical engineer will conduct a geotechnical engineering investigation for use in project design. This report is provided specifically for the proposed Site 1A location described in the Anticipated Construction section of this report and shown on Drawing No.4 in Appendix A of this report.

2.2 Scope: The scope of services includes a preliminary geotechnical engineering investigation for the site acquisition phase of the project. The scope of services were coordinated with the requirements of the JCC and the Criteria Architect. The actions undertaken during the investigation are summarized as follows.

2.2.1 A visual site reconnaissance and subsurface exploration were conducted.

2.2.2 Various conceptual design-level site plans for Site 1A building location for the proposed courthouse, prepared by the project Criteria Architect (HOK), were reviewed for general project information. In addition, information regarding the project included in the Court Facilities Advisory Committee Site Selection Report, dated September 25, 2023, was reviewed.

2.2.3 The Topography Map for Fresno County Courthouse, Fresno County Sheriff's Office, and South Annex Jail, prepared by Precision Civil Engineering, Inc., dated July 10, 2023, was reviewed.

2.2.4 Various plan sheets from record drawings pertaining to the existing structures within Courthouse Park were reviewed, including the As-Built Construction Plans for Court House & Facilities For the County of Fresno Court House Park, prepared by Walter Wagner & Partners, dated January 14, 1964, the As-Built Construction Plans for Sheriff Administration Building (Office), prepared by Schoenwald, Thomas, Harris, Bode & Blayney, dated May 3, 1968, and the As-Built Construction Plans titled Jail Building for the County of Fresno, prepared by Fred L. Swartz, dated 1941.

2.2.5 The Geologic Map of California, Fresno Sheet, prepared by the Division of Mines and Geology, dated 1965, Second Printing, 1971, was reviewed.

2.2.6 Historical aerial photographs from various years between 1946 and 1998 were reviewed. In addition, Sanborn Maps from various years between 1885 and 1970, were reviewed.

2.2.7 Laboratory tests were conducted to determine selected physical and engineering properties of the subsurface soils.

2.2.8 Mr. Craig Roberts (Precision Civil Engineering, Inc.), Ms. Zorana Bosnik and Ms. Claire Moore (HOK), and Mr. Tim Murchison (Judicial Council of California) were consulted during the investigation.

2.2.9 The data obtained from the investigation were evaluated to develop an understanding of the subsurface geotechnical engineering characteristics.

2.2.10 This report was prepared to present the purpose and scope, background information, field exploration procedures, findings, evaluations, and preliminary conclusions and recommendations.

3.0 BACKGROUND INFORMATION

The site description, site history and previous studies, and the anticipated construction are summarized in the following subsections.

3.1 Site Description: The area investigated in this report includes the ~2 acre site location 1A planned for the new courthouse within Courthouse Park in downtown Fresno, California. The general site location is shown on Drawing No. 1 in Appendix A of this report. The overall Courthouse Park area is bounded by Van Ness Avenue, Fresno Street, M Street and Tulare Street. The drawings in Appendix A show a north arrow and a Project North arrow pointing to "page left" toward Fresno Street. Based on the Project North arrow shown on the drawings in Appendix A, Fresno Street is considered to be the north side of Courthouse Park. In addition to the adjacent public streets, the west side of Courthouse Park is bordered by a City of Fresno underground parking garage with a vehicular exit ramp and a ramp and concrete stairway access for pedestrians. The

underground parking garage is located below Van Ness Avenue on the west side of Courthouse Park. City of Fresno Bus pick-up/drop-off areas are also located along the Van Ness Avenue and Fresno Street frontages.

The western portion of the overall block of Courthouse Park includes a large public park space with hardscapes, statues, a fountain, mature trees, grass and public sidewalks adjacent to public streets bordering the park. Numerous existing buildings operated by Fresno County for a variety of uses, including the existing Fresno County Courthouse, Sheriff's Office, Hall of Records, and the South Annex Jail with an adjacent central plant/utility building are located within the eastern portion of the Courthouse Park block. Asphalt concrete parking lots also occur within the northeastern corner and the east side of the southern edge of the overall Courthouse Park block. In addition, a two-level underground parking structure with entrance and exit ramps is located below the existing courtyard area east of the existing Fresno County Courthouse. Furthermore, an existing underground tunnel providing secure access for transport of prisoners between the Fresno County Courthouse, South Annex Jail Building, and the existing County Main Jail Building (located at the corner of Fresno Street and M Street, across Fresno Street to the north of the subject site) is located within the Site 1A area. The existing underground structures are described further below and in Section 6.1 of this report.

Information regarding the existing finish floor and basement elevations of some of the existing buildings and a part of the existing tunnel that crosses Fresno Street from the Main Jail Building to the Courthouse Park area are shown on Drawing No. 4 in Appendix A. Photographs depicting some of the existing site features are included in Appendix D. A description of the Site 1A area is included below.

Site 1A: Northeast Portion of Courthouse Park

The site plan provided for site 1A at Courthouse Park shows the proposed courthouse to the north of the existing Fresno County Courthouse. This area is currently occupied by the existing South Annex Jail and the Fresno County Sheriff's Office Buildings (see Drawing No. 4 in Appendix A). The South Annex Jail and Fresno County Sheriff's Office buildings both include basement levels. The South Annex Jail basement is also connected with level P1 of the existing underground parking garage. In addition, the existing prisoner transport tunnel which extends from the County Main Jail building to buildings within Courthouse Park extends below the site. Additional information is described regarding this tunnel in the following paragraph. Existing concrete walkways and landscaped areas with trees and grass lawn areas also occur within the Site 1A area. The existing ground surface generally slopes slightly down to the north away from the Fresno County Sheriff's Office Building toward Fresno Street and becomes relatively flat closer to Fresno Street. The Topography Map for Fresno County Courthouse, Fresno County Sheriff's Office, and South Annex Jail, prepared by Precision Civil Engineering, Inc., dated July 10, 2023, indicates that the ground surface elevations range from about 299 feet adjacent to the Fresno County Sheriff's Office Building

to about 288 feet at the bus stop and existing parking lot area near Fresno Street. The west side of the Sheriff's office building is bordered by an about 8-foot tall westerly descending slope with an inclination of about 2.5H:1V with a short retaining wall at the toe of slope.

Other underground structures also occur within, and adjacent to the site 1A courthouse location. An existing two-level underground parking structure is located on the east side of the existing Fresno County Courthouse below a landscaped courtyard area with concrete walkways and grass landscape. An underground tunnel extends from the Fresno County Main Jail at the corner of Fresno Street and M Street, crosses below Fresno Street, and continues southerly to the South Annex Jail basement (see Drawing No. 4 in Appendix A). The tunnel system continues from the basement of the South Annex Jail to the basement below the existing Fresno County Courthouse. Furthermore, an underground fuel storage tank, or multiple fuel storage tanks are located to the north of the Site 1A courthouse location. The existing Fresno County Courthouse is located to the south of the new courthouse site. The Fresno County Courthouse includes a two-level underground basement, as well as a depressed, "moat" area around the building which consists of an open, hardscape covered area with mechanical equipment. The depressed "moat" area is bounded by a reinforced concrete retaining wall that supports the change in grade between the courtyard and the surrounding grades. Pedestrian bridges cross over the courtyard area, for pedestrian access to the ground level of the existing Fresno County Courthouse. The existing subsurface structures are further described in Section 6.1 of this report.

During our field investigation as part of underground utility clearance and by review of old utility plans, numerous underground utilities occur within the Site 1A courthouse location.

3.2 <u>Site History and Previous Studies</u>: For site history, aerial photographs were reviewed as well as information from historical Sanborn Maps.

Based on our review of the Sanborn Maps, dating from 1885 to 1970, the 1885 Sanborn Map did not show any records of the Courthouse Park property. However, the 1888 Sanborn Map does show the Courthouse Park property between Fresno Street and Tulare Street and between M Street and Van Ness Avenue. The 1888 Sanborn Map shows a courthouse labeled "Fresno County Court House" on the M Street side of the present day Courthouse Park. Based on information obtained online, it is reported that the first courthouse was established in Courthouse Park in 1875. The 1888 Sanborn Map also shows a County Jail north of the 1875 courthouse, closer to M Street. The remainder of the property closer to Fresno Street and Van Ness Avenue appears to be covered by various concrete walkways.

The 1898 Sanborn Map shows the 1875 courthouse had been expanded to include a Hall of Records/County Clerk room to the north and The Collector Supervisor Court Room to the south. The County Jail appears the same with the exception that a Jail Yard had been added on the north side of the building. The remainder of the property closer to Fresno Street and Van Ness Avenue still appeared to include various concrete walkways.

The 1906 Sanborn Map shows the County Jail building had expanded further to the north and reconfigured the Jail Yard around a new kitchen area. The remainder of the property closer to Fresno Street and Van Ness Avenue still appeared to be covered by various concrete walkways.
The 1918 Sanborn Map shows the County Jail building added an Auto building in the northeast corner of the Jail Yard area. The concrete walkways closer to Fresno Street and Van Ness Avenue do not appear on the 1918 Sanborn Map. A bandstand appears on the Courthouse Park property near the intersection of Fresno Street and Van Ness Avenue.

A historical aerial photograph, dated 1946, shows the 1875 courthouse at the location shown on the previously discussed Sanborn Maps. The County Jail building is difficult to see on the photograph. Another jail building appears to the north of the 1875 courthouse, and a Hall of Records building appears on the south side of the 1875 courthouse. The remainder of the present day Courthouse Park area to Fresno Street and Van Ness Avenue appears to be covered by dense trees.

The 1948 Sanborn Map shows that the County Jail building remains, but is identified as the "Court Ho Annex." A new building north of the 1875 courthouse is shown as the (new) Fresno County Jail, and the new building south of the Fresno County Courthouse is shown as the new Hall of Records. A smaller "Men's Comfort Station" building is shown to the west of the new Fresno County Jail building. The bandstand still appears on the Courthouse Park property near the intersection of Fresno Street and Van Ness Avenue.

The 1950 Sanborn Map is roughly unchanged from the 1948 Sanborn Map

A 1957 historical aerial photograph shows parking areas on the north and east sides of the Fresno County Jail building as well as on the east side of the Hall of Records building. An addition appears to have been added to the south side of the Hall of Records. Concrete walkways with landscaped lawn areas appear in a strip extending west of the Fresno County Courthouse. The remainder of the property closer to Fresno Street and Van Ness Avenue is still shown as being heavily vegetated with dense trees.

The 1965 historical aerial photograph shows a new courthouse (the present day Fresno County Courthouse) under construction in the present day location of the Fresno County Courthouse. The 1875 courthouse remained. Based on information obtained online, the current Fresno County Courthouse construction was completed in 1966.

The 1970 Sanborn Map shows that the 1875 courthouse had been removed, a new Fresno County Courthouse had been constructed, a law enforcement office building (present day Sheriff's Office Building) had been constructed, an underground garage structure had been constructed on the east side of the new Fresno County Courthouse, and a Jail Annex addition had been added to the north side of the Jail building. The "Court Ho Annex" and the small Men's Comfort Station building had been removed. A Hall of Records Annex building was added to the south side of the Hall of Records

building. The bandstand no longer appears on the Courthouse Park property near the intersection of Fresno Street and Van Ness Avenue. No additional Sanborn Maps were available after the 1970 Sanborn Map.

The 1972, 1984, 1987, 1998 historical aerial photographs and other satellite images from online sources from various years between 1998 and 2025 appear generally similar to the existing improvements described on the 1970 Sanborn Maps.

No previous geotechnical engineering, geological, compaction reports, or environmental studies conducted for this site were provided for review during this investigation. If available, these reports should be provided for review and consideration for this project.

3.3 Anticipated Construction: Based on the information provided, a new courthouse is planned at the Site 1A location in the northeastern portion of Courthouse Park.

At the time of preparation of this report, only conceptual design level information was available regarding the proposed courthouse. The new courthouse is anticipated to include 36 courtrooms, a jury assembly area, loading dock area, central holding area, mechanical equipment, sally port functions and other elements typical of similar structures. It is our understanding that the new courthouse will include a tower with up to about 11 stories and a mechanical floor above the 11th story, plus one basement level. It is our understanding the new courthouse will be a total of about 413,000 square feet.

The outline of the tower portion of the new courthouse is shown as a bold black line around the blue, green, red and yellow portions of the tower on the conceptual design site plan included as Drawing No. 4 in Appendix A of this report. Based on the information provided by HOK, the proposed structure will include a basement level. The basement level is anticipated to extend below the area of the tower and will also extend beyond the limits of the tower. On a preliminary basis, it is our understanding based on the information provided by HOK that the new courthouse is anticipated to have a finished (ground level) floor elevation of 294 feet, which is about 3 feet above the sidewalk elevation adjacent to Fresno Street. The basement floor is anticipated to be about 18 feet below the finished floor, which corresponds with a depth of about 15 feet below the ground surface adjacent to Fresno Street. Where a mat foundation is used for support, it is also our understanding that the bottom of the mat foundation is anticipated to be about 4 to 8 feet below the basement floor level (~elevation of 272-268 feet) so that a granular fill and a concrete slab on grade may be placed above the top of the mat foundation for installation of underground utilities above the mat foundation.

It is also our understanding the planned building construction will include a secure tunnel which will provide connection from the existing County Main Jail to the new courthouse.

As part of the proposed construction, existing surface and subsurface structures will require demolition and removal. In addition, it is anticipated the existing connected basement level of the South Annex Jail and the existing underground parking structure to the south will be modified, which may include design and construction of new retaining walls and a new connection between the existing parking garage and the new courthouse basement.

Appurtenant construction is anticipated to include concrete walkways, underground utilities and landscape improvements.

The below grade portion of the structure is anticipated to include reinforced concrete walls and columns. The above ground structure is anticipated to be include a structural steel frame system with interior column spacing of about 38 feet x 28 feet and exterior column spacing of about 25 feet x 28 feet. Based on information provided by the project architect, preliminary dead plus live loads for interior and exterior columns are anticipated to range from about 3,300 to 3,600 kips and 2,400 to 2,500 kips, respectively.

Due to the depth of the basement and the adjacent improvements, engineered shoring systems are anticipated to support the planned basement excavation for construction.

4.0 INVESTIGATION

The field exploration and laboratory testing program conducted for this investigation are summarized in the following subsections.

4.1 Field Exploration: The field exploration consisted of a site reconnaissance, drilling test borings, soil sampling, conducting standard penetration tests, and field shear wave velocity measurements.

4.1.1 Site Reconnaissance: A site reconnaissance was conducted by Moore Twining during the initial field investigation on in July, 2023, as well as during the current field investigation conducted in November and December, 2025, and on January 7, 2026. The reconnaissance consisted of walking the accessible areas of the site and noting visible surface features. The features noted are described in the "Site Description" and "Existing Surface and Subsurface Conditions" sections 3.1 and 6.1, respectively, of this report.

4.1.2 Drilling Test Borings and Soil Sampling: Prior to drilling, a private utility locator was used to scan the soil boring locations for potential utility conflicts. In addition, due to the presence of potential underground utilities, the boring locations B-7 through B-13 were potholed using hydro-vacuum excavation equipment and/or drilled with a hand auger to depths of about 4 to 15 feet BSG prior to advancing the auger with the drilling rig. On July 7, 10 and 11, 2023, six (6) test borings were drilled within the Courthouse Park area to depths ranging from about 16½ to about 76½ feet below site grades (BSG). On November 24, 25, and 26, 2025, and December 3, 4, and 5, 2025, and January 7, 2026, eight (8) additional test borings were drilled within and near the Site 1A

area to depths ranging from about 51½ to about 81½ feet below site grades (BSG). The majority of the borings were drilled with a truck-mounted CME-75 drill rig; however, the Boring B-14 was advanced inside the existing parking garage with a limited-access track-mounted CME-55. Both drill rigs were equipped with 6⅝-inch outside diameter (O.D.) hollow-stem augers.

In addition, the existing parking garage slab on grade was cored using an 8 inch diameter core barrel advanced with the limited-access track-mounted CME-55 in order to access the subgrade soils for exploration.

The borings were logged during drilling by Moore Twining. The borings were drilled at the approximate locations shown on Drawing No. 2 and No.3 in Appendix A of this report. Estimates of the ground surface elevation at each boring, rounded to the nearest half foot, are listed on the boring logs in Appendix B of this report. The ground surface elevations were estimated from the Topography Map for Fresno County Courthouse, Fresno County Sheriff's Office, and South Annex Jail, prepared by Precision Civil Engineering, Inc., dated July 10, 2023. The elevation of below-grade parking garage where boring B-14 was drilled was obtained from parking garage building plans, dated 1965, and was adjusted 2.5 feet lower due to the change in datum.

Standard penetration tests were conducted in the test borings, and both disturbed and relatively undisturbed soil samples were obtained. The standard penetration resistance, N-value, is defined as the number of blows required to drive a standard split barrel sampler into the soil. The standard split barrel sampler has a 2-inch O.D. and a 1⅜-inch inside diameter (I.D.). The sampler is driven by a 140-pound weight free falling 30 inches. The sampler is lowered to the bottom of the bore hole and set by driving it an initial 6 inches. It is then driven an additional 12 inches and the number of blows required to advance the sampler the additional 12 inches is recorded as the N-value.

Relatively undisturbed soil samples for laboratory tests were obtained by pushing or driving a California modified split barrel ring sampler into the soil. The soil was retained in stainless steel rings, 2.5 inches O.D. and 1-inch in height. The lower 6-inch portion of the samples were placed in close-fitting, plastic, airtight containers which, in turn, were placed in cushioned boxes for transport to the laboratory. Soil samples obtained were taken to Moore Twining's laboratory for classification and testing.

4.1.3 Shear Wave Velocity Measurements: As part of this investigation, geophysical test methods were used by GEOVision to measure active surface waves by a multi-channel analysis of surface waves (MASW) and passive source surface wave measurements were conducted by the array microtremor method. The measurements were used to estimate a time averaged shear wave velocity of the upper 100 feet (30 meters) to define the site class in accordance with ASCE 7-22 and for use in development of a site-specific response spectra. The GEOVision report describing the test methods and the results of the shear wave velocity measurements is included in the appendix to the Seismic Design Parameters and Site-Specific Response Spectra included in Appendix E of this report; and the Site Class is described in Section 7.4.2.2 of this report.

4.2 Laboratory Testing: The laboratory testing was programmed to determine selected physical and engineering properties of the soils sampled. The tests were conducted on disturbed and relatively undisturbed samples considered representative of the subsurface materials encountered.

The results of laboratory tests conducted on samples obtained from the test borings are summarized on the figures in Appendix C. These data, along with the field observations, were used to prepare the final test boring logs in Appendix B of this report.

5.0 FINDINGS AND RESULTS

The findings and results of the field exploration are summarized in the following subsections.

5.1 Mapped Geologic and Soils Conditions: The Geologic Map of California, Fresno Sheet, prepared by the Division of Mines and Geology, dated 1965, Second Printing, 1971 (see Drawing No. 5 in Appendix A) indicates that the site is underlain by Recent alluvial fan deposits of the Great Valley (Qf).

Based on our review of the soil survey maps, prepared by the U.S. Department of Agriculture, Natural Resources Conservation District, the soils in the upper 5 feet BSG are described as silty sands.

5.2 Pavement Thickness and Parking Structure Slab Thickness: Borings B-1, B-8, B-9, and B-12 were drilled in the existing asphalt concrete parking lot area between the South Annex Jail building and Fresno Street. The asphalt concrete pavement thickness encountered in these borings was 5 inches, 5 inches, 4 inches, and 3¾ inches, respectively. The asphalt concrete was underlain directly by the subgrade soils. Boring B-7, drilled within an asphalt concrete paved area located east of the South Annex Jail building, encountered 2½ inches of asphalt concrete underlain by 6½ inches of aggregate base.

The existing slab on grade within the lower level (P-2) of the existing underground parking structure at the Boring B-14 location measured about 6¼ inches in thickness and was underlain directly by subgrade soils. The slab on grade appeared to be reinforced with welded wire.

5.3 Soil Profile: In general, many of the soil borings encountered fill soils. For example, fill soils consisting of very loose silty sands with trace gravel were encountered to a depth of about 6 feet BSG in boring B-1, fill soils consisting of silty gravel and poorly graded sand were encountered to a depth of about 4 feet BSG in boring B-2, fill soils consisting of very loose silty sands with fragments of nails were encountered to a depth of about 5½ feet BSG in boring B-5 and fill soils consisting of poorly graded sand with silt were encountered to a depth of about 4 feet BSG in boring B-6. Fill soils could not be differentiated during logging of borings B-7 through B-13 since the upper portions of these borings were potholed using hydro-vacuum methods. However, fill soils were estimated within about the upper 2 feet BSG in boring B-13.

The near surface native soils encountered below the fill, and the near surface soils within the borings where fill soils were not encountered, generally consisted of silty sands to depths of about 6 to 15 feet BSG. The silty sands were underlain by interbedded layers of clayey sands, poorly graded sands with silt, poorly graded sands, sandy lean clays (or lean clays with sand), sandy silts, and additional silty sands extending to the maximum depth explored, about 81½ feet BSG.

The near surface soils encountered in most of the borings were generally very loose to loose to a depth of about 13½ to 18 feet BSG, where the soils commonly transitioned to a medium dense condition. Beginning at depths of about 20 to 25 feet BSG in most of the borings, the granular soils were generally dense or very dense and the fine-grained soils (silts and clays) were generally very stiff or hard.

Cross sections A-A' and B-B' showing the general subsurface soil profiles are included as Drawing Nos. 10 and 11 in Appendix A of this report.

The foregoing is a general summary of the soil conditions encountered in the test borings drilled for this investigation. Detailed descriptions of the soils encountered at each test boring location are presented in the logs of borings in Appendix B. The stratification lines in the logs represent the approximate boundary soil types; the actual in-situ transition may be gradual.

5.4 Soil Engineering Properties: The engineering properties of the subsurface soils encountered during this investigation are summarized below.

Silty Sands: The silty sands encountered were very loose to very dense based on standard penetration resistance, N-values, ranging from 2 to greater than 50 blows per foot, and an SPT equivalent N-value (estimated by driving a California Modified split barrel sampler) ranging from 5 to greater than 50 blows per foot. The moisture content of the samples tested ranged from 4.1 to 17.4 percent. Relatively undisturbed samples revealed dry densities ranging from 103.9 to 116.6 pounds per cubic foot. A direct shear test conducted on a silty sand sample collected from depths of about 8½ to 10 feet BSG from boring B-3 indicated an internal angle of friction of 31 degrees and 250 pounds per square foot of cohesion and a direct shear test conducted on silty sand sample collected from depths of about 7 to 10 feet BSG from boring B-8 indicated an internal angle of friction of 31 degrees and 280 pounds per square foot of cohesion.

Clayey Sands: The clayey sands encountered were very loose to very dense based on standard penetration resistance, N-values, ranging from 8 to 40 blows per foot, and SPT equivalent N-values (estimated by driving a California Modified split barrel sampler) ranging from 27 and greater than 50 blows per foot. The moisture content of the samples tested ranged from 10.6 to 16.6 percent. Relatively undisturbed samples indicated dry densities ranging from 109.9 to 127.1 pounds per cubic foot. A consolidation test conducted on a clayey sand sample collected from depths of about 20 to 21 feet BSG from boring B-2 indicated about 3.1 percent consolidation under a load of 16 kips per square foot. Another consolidation test conducted on a clayey sand collected from depths of between 21 and 21½ feet BSG indicated about 3.7 percent consolidation under a load of 16 kips per square

foot. A direct shear test conducted on clayey sand sample collected from depths of about 20 to 21½ feet BSG from boring B-2 indicated an internal angle of friction of 36 degrees and 760 pounds per square foot of cohesion.

Poorly Graded Sands, Poorly Graded Sands with Silt and Well Graded Sands with Silt: The poorly graded sands, poorly graded sands with silt and well graded sands with silt encountered were described as loose to very dense based on standard penetration resistance, N-values, ranging from 5 to greater than 50 blows per foot, and an SPT equivalent N-value (estimated by driving a California Modified split barrel sampler) ranging from 13 to greater than 50 blows per foot. The moisture content of samples tested ranged from 2.0 to 11 percent. Relatively undisturbed samples indicated dry densities ranging from 97.4 to 120.8 pounds per cubic foot. The results of one laboratory permeability test conducted in accordance with ASTM D5084 indicated a permeability of about 2.07 x 10^{-4} centimeters per second.

Lean Clays, Lean Clays with Sand, Sandy Lean Clay, and Silty Clays: The lean clays, lean clays with sand and sandy lean clays encountered were described as very stiff to hard based on standard penetration resistance, N-values, ranging from 18 to greater than 50 blows per foot, and an SPT equivalent N-value (estimated by driving a California Modified split barrel sampler) ranging from 28 to greater than 50 blows per foot. The moisture content of the samples tested ranged from about 11.2 to 29.6 percent. Relatively undisturbed samples indicated dry densities ranging from 93.3 to 124.6 pounds per cubic foot. A consolidation test conducted on a sandy lean clay sample collected from depths of about 30 to 31½ feet BSG from boring B-2 indicated about 4.4 percent consolidation under a load of 16 kips per square foot. A consolidation test conducted on a sandy lean clay sample collected from depths of about 35 to 36½ feet BSG from boring B-3 indicated about 4.8 percent consolidation under a load of 16 kips per square foot. A consolidation test conducted on a sandy lean clay sample collected from depths of about 35 to 36½ feet BSG from boring B-5 indicated about 5.4 percent consolidation under a load of 16 kips per square foot.

The results of atterberg limits testing conducted on clay samples indicated plasticity indices ranging from of 7 to 17 and liquid limits ranging from 24 to 31. The results of direct shear tests conducted on three (3) clay samples indicated an internal angle of friction of 36 degrees and 460 pounds per square foot of cohesion, an internal angle of friction of 35 degrees and 390 pounds per square foot of cohesion and an internal angle of friction of 42 degrees and 320 pounds per square foot of cohesion.

Sandy Silts: The sandy silts encountered were described as stiff to hard based on standard penetration resistance, N-values, ranging from 11 to greater than 50, and an SPT equivalent N-value (estimated by driving a California Modified split barrel sampler) of 42 to greater than 50 blows per foot. The moisture content of a sample tested ranged from 18.4 to 32.1 percent. Relatively undisturbed samples indicated dry densities ranging from 89.3 to 98.0 pounds per cubic foot. A consolidation test conducted on a sandy silt sample collected from depths of about 25 to 26½ feet BSG from boring B-5 indicated about 6.6 percent consolidation under a load of 16 kips per square foot.

Expansion Index Testing: An expansion index test conducted on a silty sand sample collected from depths of about 4 to 10 feet BSG from boring B-4 indicated an expansion index value of 0 and an expansion index test conducted on a silty sand sample collected from depths of about 1 to 4 feet BSG from boring B-8 indicated an expansion index value of 0. An expansion index test conducted on a lean clay sample collected from depths of about 20 to 24 feet BSG from boring B-9 indicated an expansion index value of 28.

Resistance-Value (R-Value) Testing: An R-value test conducted on a silty sand sample collected from depths of about 0 to 4 feet BSG from boring B-3 indicated an R-value of 56, an R-value test conducted on a silty sand sample collected from depths of about 0 to 4 feet BSG from boring B-8 indicated an R-value of 44 and an R-value test conducted on a silty sand sample collected from depths of about 0 to 4 feet BSG from boring B-12 indicated an R-value of 55.

Chemical Tests: The results of the corrosion potential tests performed on selected soil samples obtained during this investigation are included in the table below. Refer to the laboratory reports included in Appendix C of this report for the laboratory test methods.

CORROSION POTENTIAL TEST RESULTS

Boring and Depth (Feet)	pH	Chlorides (Percent by weight)	Sulfates (Percent by Weight)	Minimum Resistivity (ohm-cm)
B-3 @ 0'-3'	8.5	0.0040	0.0040	10,400
B-8 @ 0'-3'	8.0	ND	0.0018	21,000
B-9 @ 21'-24'	7.9	ND	0.0057	3,500
B-12 @ 0'-3'	7.8	ND	0.0014	23,000

ND = Not Detected at or above the reporting limit of 0.00060 percent by weight

5.5 Groundwater Conditions: Free groundwater was not encountered in the test borings drilled at the time of our July 2023 field exploration, nor our November 2025 or January 2026 field exploration to the maximum depth explored, about 81½ feet BSG. However, a relatively thin lens of suspected perched groundwater was encountered within borings B-9 and B-10 at a depth of about 65 feet BSG. Refer to the logs of borings in Appendix B of this report.

Historic ground water depth data from the Department of Water Resources from a well at the historic Fresno Water Tower, located about 1,000 feet northeast of the site, indicated groundwater depths ranging from about 50 feet BSG in 1951 to about 80 feet BSG in 1957 for data collected between the years 1950 and 1959. Based on our review of fairly recent groundwater data from the Department of Water Resources Sustainable Groundwater Management Act (SGMA) Data Viewer website, the

groundwater depth at the site was estimated to be about 109 feet BSG in the Spring of 2022. Furthermore, review of the groundwater contour elevations provided in the Fresno Irrigation District's "Depth to Water in Wells, Spring 2025" (as of 11/11/2025), indicated groundwater depths in the Courthouse Park area of about 100 feet BSG.

It should be recognized, however, that groundwater elevations fluctuate with time, since they are dependent upon seasonal precipitation, irrigation, land use, and climatic conditions as well as other factors. Therefore, water level observations at the time of the field investigation may vary from those encountered both during the construction phase and the design life of the project. The evaluation of such factors was beyond the scope of this investigation and report.

6.0 GEOTECHNICAL EVALUATIONS

6.1 Existing Surface and Subsurface Conditions: The eastern portion of the Courthouse Park site has been developed with a variety of structures since the late 1800s as described in Section 3.2 (Site History and Previous Studies) of this report. Numerous structures are currently located within and adjacent to the proposed courthouse location. About half of the Site 1A building area is currently occupied by structures, including the Sheriff's Office Building and the South Annex Jail. These structures include below grade basement levels and the South Annex Jail basement appears to be contiguous with the P1 level of the existing underground parking structure located south of the South Annex Jail. In addition, a tunnel for secure prisoner transport from the Main Jail to the existing Fresno County Courthouse crosses through part of the proposed building site. As part of the project, the Sheriff's Office Building, South Annex Jail and part of the existing prisoner transport tunnel structure would need to be removed. It is also anticipated that the existing underground fuel tanks adjacent to Fresno Street will also be removed as part of the project. The approximate locations of these features are depicted on Drawing No. 4 in Appendix A of this report. Furthermore, some previous structures which have since been removed existed in the Site 1A area as well. The type of foundation system supporting the prior structures and the extent of removal of subsurface improvements which previously existed are not known. Thus, in addition to the existing structures, there is a potential to encounter other buried improvements that may still remain within the site from prior site development. As part of the removal of the existing structures and improvements, all existing foundations, subsurface structures and improvements and all soils which are disturbed as part of the demolition activity will need to be removed to expose undisturbed native soil conditions prior to backfilling the excavations with engineered fill.

Existing improvements including structures and retaining walls which are to remain during construction of the new courthouse project are located adjacent to the area of the proposed project. Thus, there is a potential that demolition work may impact the existing adjacent improvements which are to remain. Adjacent above and below ground structures and improvements which are to remain include the underground parking structure (County underground parking structure), the retaining walls adjacent to the "moat"on the north side of the existing Fresno County Courthouse, the Fresno County

Courthouse, and a part of the existing tunnel prisoner transport system. The approximate locations of these subsurface structures are shown on Drawing No. 4 in Appendix A. Demolition activities will need to be conducted in a manner to limit ground vibration as well as to avoid undermining support of adjacent foundations so as not to damage existing improvements which are to remain. Depending on the depth of excavation for the new courthouse and the depths of adjacent foundation systems to be protected, temporary support of existing improvements may also be required.

It is anticipated that the existing underground utilities within the areas of new construction will need to be removed or rerouted. All trench backfill associated with removal of underground utilities should also be fully removed.

Large, mature trees, grass landscape, concrete walkways and other improvements also occur in the proposed building areas. As part of the site preparation, surface vegetation, trees, roots and organics will need to be removed as part of site stripping and tree removal.

The soil borings drilled for this investigation encountered fill soils ranging in depth from about 2 to 6 feet BSG. As part of the site preparation for new surface improvements which are sensitive to settlement, all undocumented fill soils should be removed to expose native undisturbed soils. Deeper fill soils are anticipated to exist as backfill of existing basement walls and subsurface structures such as the prisoner transport tunnel.

6.2 Expansive Soils: One of the potential geotechnical hazards evaluated at this site is the expansion potential of the near surface soils. Over time, expansive soils will experience cyclic drying and wetting as the dry and wet seasons pass. Expansive soils experience volumetric changes (shrink/swell) as the moisture content of the clayey soils fluctuate. These shrink/swell cycles can impact foundations and lightly loaded slabs-on-grade when not designed for the anticipated expansive soil pressures. Expansive soils cause more damage to structures, particularly light buildings and pavements, than any other natural hazard, including earthquakes and floods (Jones and Holtz, 1973). Expansion potential may not manifest itself until months or years after construction. The potential for damage to slabs-on-grade and foundations supported on expansive soils can be reduced by placing non-expansive fill underlying foundations and slabs-on-grade.

The near surface silty sand soils from the ground surface to a depth of about 3 feet BSG from Boring B-8, and from depths of 4 to 10 feet BSG from boring B-4, indicated a very low expansion potential based on an expansion index test result of 0. A sample of lean clay from depths of 21 to 24 feet BSG from boring B-9, indicated an expansive soil condition with a low expansion potential based on an expansion index test result of 28. Where expansive soils are excavated, these materials should not be used as finished subgrade directly below surface improvements such as exterior slabs on grade which are sensitive to differential movement.

6.3 Foundation Support: Based on the preliminary column loads and column spacing provided and our correspondence with the Criteria Architect, it is anticipated that mat foundations will be used for support of the proposed courthouse. Due to the column spacing and the expected size of a spread foundation system based on the anticipated structure loads, a structural mat foundation system may have benefits from an economic and/or constructability standpoint compared with a spread foundation system. In addition, mat foundations are more effective to resist differential settlement as compared with a spread foundation system. Based on the information provided by HOK, a maximum applied ground pressure of 3,500 pounds per square foot was assumed for consideration of a mat foundation with a subgrade elevation in the range of 272 to 268 feet. Provided the mat foundation excavation extends into the dense granular soils and/or the very stiff to hard fine-grained soils encountered below depths of about 20 to 25 feet BSG, preliminary estimates of foundation settlement indicate less than 1 inch of post construction settlement.

6.4 Temporary Excavations/Shoring: One of the potential geotechnical engineering concerns for construction of the proposed project will be support of temporary excavations which are in close proximity to existing structures with basements, pubic street improvements, underground utilities, and other improvements that may be planned to remain.

Based on the information provided, the basement level of the proposed courthouse is anticipated to require excavation to an elevation of about 272 to 268 feet to the bottom of the mat foundation. In addition, excavation for removal of the existing Sheriff's Office Building and the South Annex Jail will require excavations to remove existing subterranean basements and foundations. Temporary excavations will need to be conducted in a manner to protect adjacent improvements which are to remain, including the Fresno County Courthouse, and the existing underground parking structure. In addition, an existing retaining wall is located adjacent to the depressed "moat" area between the Fresno County Courthouse and the Fresno County Sheriff's Office building. These features are shown on Drawing No. 4 in Appendix A. The depths of the adjacent foundations and existing basement structures will need to be evaluated with regard to the planned depths of excavation. It should be noted that the South Annex Jail building basement is connected with the existing P1 level of the below-grade parking structure.

Due to the proximity of the adjacent, existing improvements (i.e. sidewalks, utilities, roadways, existing structures to remain, etc.), portions of the excavation for the proposed courthouse are anticipated to require shoring for temporary excavation support and to protect existing adjacent improvements from excessive movement. It is anticipated that a soldier pile and lagging system will be utilized for engineered shoring. Depending on the depth of excavation and the sensitivity of adjacent improvements to movement, bracing elements, or ground anchors may need to be incorporated into the shoring systems. However, the presence of existing adjacent below grade improvements, utilities or public right of way may restrict use of horizontal ground anchors for engineered shoring systems that may be used to support excavations for the new courthouse foundation construction.

On a preliminary basis for planning purposes, excavations which are not supported by engineered shoring systems should not extend below a 1.5H to 1V zone below existing improvements such as utilities, foundations and/or floor slabs which are to remain after construction. Excavations which are required to be advanced below the 1.5H to 1V envelope should be shored to support the soils, foundations, and slabs.

Where site constraints allow, temporary excavations may be laid back at a 1.5H to 1V repose or flatter. For areas where a 1.5H to 1V temporary slope construction is not feasible, temporary shoring should be anticipated to support excavations and protect adjacent improvements which are to remain.

Shoring design and construction will need to account for surcharges from existing improvements and construction surcharges. The earth pressures used in design (i.e., active or at-rest) and the anticipated deflections of the shoring should be considered by the designer carefully. In general, at-rest earth pressures would be appropriate to limit the deflection of shoring systems, while deflections are higher for retaining wall systems designed using active earth pressures. As shoring systems deflect, vertical and lateral movement of the backfill soils can occur, resulting in differential movement and distress of existing and new improvements within influence of the shoring systems. Therefore, design and installation of shoring systems for support of temporary excavations and limiting the deflections will be an important aspect of this project.

In addition, construction sequencing, methods of shoring installation, ground vibration, shoring removal and backfill can also result in damage to adjacent improvements. Due to the risks of distress to adjacent improvements, a condition survey would be recommended prior to construction to document the condition of all existing improvements which may be potentially effected by the proposed construction. Prior to and during construction, requirements should also be incorporated into the project for the contractor to monitor improvements outside the project site near the vicinity of the planned excavation. In general, low vibration installation methods should be used to reduce potential impacts to existing adjacent improvements which are to remain.

6.5 Soil Corrosion: The risk of corrosion of construction materials relates to the potential for soil-induced chemical reaction. Corrosion is a naturally occurring process whereby the surface of a metallic structure is oxidized or reduced to a corrosion product such as iron oxide (i.e., rust). The metallic surface is attacked through the migration of ions and loses its original strength by the thinning of the member.

Soils make up a complex environment for potential metallic corrosion. The corrosion potential of a soil depends on numerous factors including soil resistivity, texture, acidity, field moisture and chemical concentrations. In order to evaluate the potential for corrosion of metallic objects in contact with the onsite soils, chemical testing of soil samples was performed by Moore Twining as part of this report. The test results are included in Appendix C of this report. Conclusions regarding the corrosion potential of the soils tested are included in the Preliminary Conclusions and Recommendations section of this report based on the corrosion severity ratings listed in Table No. 1, below.

Table No. 1
Corrosion Severity Ratings

Soil Resistivity (ohm cm)	Corrosion Potential Rating
>20,000	Essentially non-corrosive
10,000 - 20,000	Mildly corrosive
5,000 - 10,000	Moderately corrosive
3,000 - 5,000	Corrosive
1,000 - 3,000	Highly corrosive
<1,000	Extremely corrosive

The results of soil sample analyses indicate that the near-surface soils exhibit a "mildly corrosive"corrosion potential to buried metal objects and one (1) sample of sandy lean clay obtained from a depth of about 21 to 24 feet BSG indicated a "corrosive" corrosion potential. Appropriate corrosion protection should be provided for buried improvements based on the soil corrosion potential. If piping or concrete are placed in contact with imported soils, these soils should be analyzed to evaluate the corrosion potential of these soils.

If the manufacturers or suppliers cannot determine if materials are compatible with the soil corrosion conditions, a professional consultant, i.e., a corrosion engineer, with experience in corrosion protection should be consulted to provide design parameters. Moore Twining does not provide corrosion engineering services.

6.6 Sulfate Attack of Concrete from Soils: Degradation of concrete in contact with soils due to sulfate attack involves complex physical and chemical processes. When sulfate attack occurs, these processes can reduce the durability of concrete by altering the chemical and microstructural nature of the cement paste. Sulfate attack is dependent on a variety of conditions including concrete quality, exposure to sulfates in soil, groundwater and environmental factors. The standard practice for geotechnical engineers in evaluation of the soils anticipated to be in contact with structural concrete is to perform laboratory testing to determine the concentrations of sulfates present in the soils. The test results are then compared with the exposure classes in Table 19.3.1.1 of ACI 318 to provide guidelines for concrete exposed to soils containing sulfates. It should be noted that other exposure conditions such as liquids with high salinity or dissolved sulfates in water or materials other than soils can result in sulfate exposure categories to concrete that are higher than the concentrations of sulfate in soil. The design engineer will need to determine whether other potential sources of sulfate exposure need to be considered other than exposure to sulfates in soil. The sulfate exposure classes for soils from Table 19.3.1.1 are summarized in the below table.

Table No. 2
ACI Exposure Categories for Water Soluble Sulfate in Soils

Sulfate Exposure Class (per ACI 318)	Water Soluble Sulfate in Soil (Percent by Mass)
S0	Less than 0.10 Percent
S1	0.10 to Less than 0.20 Percent
S2	0.20 to Less than or Equal to 2.00 Percent
S3	Greater than 2.00 Percent

Common methods used to resist the potential for degradation of concrete due to sulfate attack from soils include, but are not limited to the use of sulfate-resisting cements, air-entrainment and reduced water to cement ratios.

7.0 GEOLOGIC AND SEISMIC HAZARDS EVALUATION

The geologic and seismic hazards are discussed in the following sections. The conclusions obtained from the results of our evaluations of the geologic and seismic hazards are described in the Preliminary Conclusions and Recommendations section of this report.

7.1 Geomorphic and Geologic Setting: The City of Fresno is located in the central geographic portion of California, in the Great Valley geomorphic province (central portion of the San Joaquin Valley). The valley is bordered on the east by the Sierra Nevada Mountain Range consisting chiefly of crystalline rocks, and on the west by the Diablo Range tier of the Coast Range Mountains consisting of sedimentary and metamorphosed sedimentary rocks. The Sierra Nevada block has been tilted westward, caused by faulting and uplifting of the eastern edge of the range. The western boundary of the Sierra Nevada block is overlain by sedimentary deposits of the valley.

The Coast Ranges, forming a barrier between the Great Valley and the Pacific Ocean, evolved as a result of folding, faulting, and accretion of diverse geologic terrain. The Coast Ranges are composed chiefly of sedimentary and metamorphic rocks that are sharply deformed into complex structures which are broken by numerous faults, the San Andreas Fault being the most notable structural feature.

Small, intermittent streams enter the valley from the semi-arid mountains of the Diablo Range (Coast Ranges), but soon are lost on alluvial fans. Perennial rivers flow from the larger drainage areas of the Sierra Nevada Range. Large, coalescing alluvial fans have developed along each side of the valley. The larger and more gently sloping fans on the valley's east side are built up principally by deposits from granitic rock sources, whereas the smaller and more steeply sloping fans on the valley's west side are comprised of sediment originating as sedimentary rocks of the Coast Range. As a

result, the valley floor consists mainly of two kinds of alluvial materials that differ widely in provenance and their respective engineering properties.

The Geologic Map of California, Fresno Sheet, prepared by the Division of Mines and Geology, dated 1965, Second Printing, 1971 (see Drawing No. 5 in Appendix A) indicates that the site is underlain by Recent alluvial fan deposits of the Great Valley (Qf).

The subsurface soil deposits encountered during this investigation are described in Section 5.3 of this report.

Regional geologic and site geologic maps are included in Appendix A as Drawing Nos. 5 and 9, respectively, and geologic (soil profile) cross sections through the proposed building area are included as Drawing Nos. 10 and 11 in Appendix A of this report.

7.2 **Tectonics and Seismicity**: An "active fault" is defined, for the purpose of this evaluation, as a fault that has had surface displacement within the Holocene Epoch (about the last 11,700 years). In addition to active faults, “potentially active” faults also contribute to the seismicity of the site. A widely accepted definition of “potentially active” is a fault that does not show evidence of displacement during the Holocene, but shows evidence of displacement occurring less than 1.6 million years ago (after the beginning of the Pleistocene Epoch). Since the Quaternary Period includes the Holocene and Pleistocene Epochs, Quaternary faults are those that have documented latest fault displacement within the Holocene or Pleistocene Epochs, undifferentiated. Faults showing evidence of displacement older than 1.6 million years are usually classified as “Pre-Quaternary” and “inactive.” Pre-Quaternary faults do not impact the site seismicity.

The following subsections briefly describe the major fault systems contributing to the seismicity of the site area.

The seismicity of the site area was evaluated based on the results of disaggregation of the 2,475 year return period event (2 percent probability of exceedance in 50 years) using the United States Geological Survey Earthquake Hazard Toolbox (https://earthquake.usgs.gov/nshmp/), Conterminous U.S. 2018. Major active regional faults occur at a distance to the east and west of the project site. The Sierra Nevada/Owens Valley Fault Zones bound the eastern edge of the Sierra Nevada block and comprise a complex of both active and potentially active fault segments. The San Andreas Fault Zone occurs in the Coast Range and contains large Quaternary fault segments, each with a different tectonic behavior. Numerous active and potentially active faults also occur in the eastern and central Coast Range. The closest active fault is the Nunez Fault, which is located about 52½ miles southwest of the site. Active faulting and surface fault rupture is also discussed in section 7.4.1 of this report.

The primary seismic sources contributing to design seismic ground motion estimates for the site are the numerous gridded fault model point sources (i.e., general seismicity which is not related directly to specific known seismic sources). These gridded fault model point sources have predominant moment magnitudes between about 5.7 and 6.1. The San Andreas fault (Creeping section), with a predominant moment magnitude 8.1, located about 68 miles southwest of the site, contributes less significantly to the site seismicity.

The major fault systems nearest to the site are in relation to the site are depicted on Drawing No. 6 in Appendix A of this report.

7.3 Geologic Hazards: The potential geologic hazards of landslides and conditional geologic hazards are described in the following subsections.

7.3.1 Landslides: The site is relatively flat and there are no significant slopes that are anticipated as part of the proposed project. Thus, the potential for landslide hazards at the site is considered to be insignificant.

7.3.2 Conditional Geologic Hazards: Conditional geologic hazards, as identified in Section 31 of California Geological Survey Note 48 are discussed in the following subsections.

7.3.2.1 Hazardous Materials: Hazardous materials such as methane gas, hydrogen-sulfide gas and tar seeps are not known to be present in the project area and are not considered to be a concern at the subject site. No other potential hazardous materials were evaluated.

7.3.2.2 Volcanic Activity: California includes six regions with a history of late Pleistocene volcanic eruptions that are subject to hazards from future eruptions (Miller, 1989). Of these six regions, the Mono Lake-Long Valley Area and the Owens River, Ubehebe Crater, Coso Area are the closest regions, located about 74 miles northeast and 84 miles southeast of the site, respectively. Based on review of Plate 1 (Miller, 1989), the subject site is not located within any designated volcanic hazard zones (such as flowage, pyroclastic flows, debris flows, or ash fall hazards). The closest volcanic hazard to the site is indicated to be ash fall hazard from an eruption in the Mono Lake-Long Valley Area, impacting areas greater than 25 miles northeast of the subject site.

Based on the distance from the site to known volcanic hazards, the prospect for volcanic hazards to impact the site during the design life of the facility is considered low.

7.3.2.3 Flooding and Dam Inundation: Based on the Flood Insurance Rate Maps distributed by the Federal Emergency Management Agency, the site is located in Zone X. According to Community Panel number 06019C110H, revised on February 18, 2009, Zone X denotes the site as being within an area having a 0.2 percent annual chance flood hazard.

The following maps were reviewed in regards to potential flooding from dam failure: Inundation areas below Corps Dams, Pine Flat Lake Breach Study, Kings River, California, prepared by the Corps of Engineers, dated January 1976; Inundation map of Friant Dam, Mid-Pacific Region, Central Valley Project, Friant Division, California prepared by the United States Department of the Interior, Bureau of Reclamation, dated December 6, 1974; and Breach of Big Dry Creek Detention Reservoir, prepared by the Corps of Engineers, dated 1988. Based on our review of these dam inundation maps, the site is located outside the inundation zone for catastrophic failure of the Friant Dam (Millerton Lake), and Pine Flat Dam (Pine Flat Reservoir). However, the Fresno Metropolitan Flood Control District's Inundation Mapping Tool website (https://fresnometroh2o.com/dams/inundation-mapping/), indicates that the northern portion of the site is located within the inundation zone for catastrophic failure of the Fancher Creek Reservoir and Big Dry Creek Detention Reservoir, which are located about 15.4 miles northeast and 11.8 miles northeast of the site, respectively. The limits of dam inundation affecting the Courthouse Park area from breach of Fancher Creek Reservoir and Big Dry Creek Detention Reservoir are depicted on Drawing No. 8 in Appendix A.

7.3.2.4 Tsunamis and Seiches: Tsunamis are waves generated in oceans from seismic activity. Due to the inland location of the site (about 109 miles northeast of the Pacific Ocean), tsunamis are not considered a significant hazard for the site.

A seiche is a wave generated by the periodic oscillation of a body of water whose period is a function of the resonant characteristics of the containing basin as controlled by its physical dimensions. These periods generally range from a few minutes to an hour or more. The site is not located near any large bodies of water, so seiches are not considered a significant hazard at the site.

7.3.2.5 Radon Gas: Naturally occurring radon gas is known to occur in some areas of California. Radon gas can accumulate in buildings and breathing air with elevated radon concentrations results in an increased risk of developing lung cancer. Radon gas forms from radioactive decay of small amounts of the elements uranium and thorium, naturally present in rocks and soils. Rock types, such as black shales, marine phosphatic rocks, and certain igneous rocks, are associated with relatively higher levels of radon gas than other rock types. These rock types are not known to be present near the ground surface at the project site.

The California Geological Survey has studied some areas of California to characterize risk levels for radon gas in some Counties; however, mapping has not been completed and/or published for Fresno County.

The U.S. EPA recommends that individuals avoid long-term exposure to radon concentrations above 4 picocuries per liter. Based on our review of a database maintained by the California Department of Public Health Services (CDPH) on the California Geologic Survey website, the California Indoor Radon Levels Sorted By Zip Code, last updated February 2017, there is no test data for the zip code at the subject site (93721). Based on our review of the Special Report 247: California Indoor Radon Potential, dated 2022, prepared by the California Department of Conservation, California Geological Survey (CGS), 22 of the 179 tests (about 12.3 percent) from various zip codes throughout the entire Fresno County area reported radon gas levels that exceeded 4 picocuries per liter. The referenced CGS document indicates: "Radon testing is encouraged in Fresno County, particularly in the Fresno-Clovis area..."

Considering the geologic conditions of the site area, the referenced data, and assuming that the building will be properly ventilated, it is our opinion that potential hazards associated with radon gas are low. However, considering the public nature of the building and the recommendations of CGS Special Report 247, radon gas testing would be recommended within nearby buildings and basement levels to obtain specific data to determine if any special soil gas control systems are needed for the proposed structure due to a potential for elevated indoor radon levels.

7.3.2.6 Naturally Occurring Asbestos: Asbestos occurs in soil and rock naturally in certain geologic settings in California. It has been documented that inhalation of asbestos fibers may cause negative health effects. Most commonly, asbestos is associated with serpentinite and partially serpentized ultramafic rocks. Ultramafic rocks are scattered throughout much of the Sierra Nevada mountain and Coast Ranges regions. Review of the referenced Open-File Report 2000-19, titled *A General Location Guide for Ultramafic Rocks in California - Areas More Likely to Contain Naturally Occurring Asbestos,* prepared by State of California Department of Conservation, Division of Mines and Geology, dated August, 2000, indicates the closest mapped areas with ultramafic rock are located about 20 miles east-northeast of the site.

Ultramafic rocks were not encountered during our investigation and are not common to the geologic environment of the site. Based on the cited literature and our site observations, it is our opinion that the potential to encounter surface or near surface naturally occurring asbestos containing rock at the site is insignificant.

7.3.2.7 Hydrocollapse: Some soils in the Fresno area can be susceptible to mild hydrocollapse, typically associated with leaching and disturbance of soils above hardpan layers. The results of consolidation testing did not indicate significant collapse potential for soils supporting the proposed foundation. In addition, the relatively undisturbed samples of the granular soils collected for this investigation mostly indicated dry densities greater than 100 pounds per cubic foot. Based on the laboratory testing conducted for this investigation, the relatively high dry densities of the granular soils, and our experience in the site area, the potential for hydrocollapse to be an impact is considered to be low.

7.3.2.8 Regional Subsidence: Land subsidence due to groundwater pumping is well documented in the areas of several areas within the southern San Joaquin Valley, including the western portion of Fresno County. Based on our review of the Background Report of the Fresno County General Plan, adopted February 20, 2024, some areas of the Central Valley have subsided more than 20 feet during the past 50 years. The current general plan does not include graphical figures related to subsidence. However, Figure 9-6 of the 2000 General Plan indicates the Courthouse Park area is located outside of the areas of mapped subsidence. The San Joaquin Valley is an area of ongoing studies for land subsidence. More recent published data from sources such as the California Department of Water Resources and USGS include monitoring areas of land subsidence in western Fresno County as well as areas within adjoining Counties to the north and south; however, the area of the site is outside the areas of significant subsidence. Thus, regional subsidence is not considered a significant concern for the site.

7.3.2.9 Clays and Cyclic Softening: Due to the depth of groundwater, the potential for cyclic softening of the clay soils encountered is insignificant.

7.4 Seismic Hazards: The potential for fault ground rupture, seismic groundshaking and seismic coefficients/earthquake spectral response acceleration design values, and liquefaction and seismic settlement are described in the following subsections.

7.4.1 Active Faulting and Surface Fault Rupture: Earthquakes are caused by the sudden displacement of earth along faults with a consequent release of stored strain energy. The fault slippage can often extend to the ground surface where it manifests in abrupt relative ground displacement across a rupture surface. Damage resulting directly from fault rupture ground displacement occurs only where structures are located astride a rupture surface with relative displacement.

The locations of active faults in relation to the site were reviewed based on the 2010 Fault Activity Map of California: California Geological Survey, Geologic Data Map No. 7, prepared by Jennings and Bryant. A map depicting the major active faults in the general region of the site is included on Drawing No. 6 in Appendix A of this report.

The Geologic Map of California, Fresno Sheet, prepared by the Division of Mines and Geology, dated 1965, Second Printing, 1971 was also reviewed and used to prepare the Regional Geologic Map included as Drawing No. 5 in Appendix A of this report.

No mapped active faults cross the site. The closest active fault is the Nunez Fault, which is located about 52½ miles southwest of the site. Considering the distance to the nearest known active fault, the potential for surface fault rupture due to a known active fault is considered low.

7.4.2 Groundshaking: For any given earthquake, the rock in the immediate vicinity will respond with a certain maximum acceleration and with a predominant period that depends on the nature of the rock and the source mechanism. Away from the focus of the earthquake, the ground motions begin to attenuate. The way in which the earthquake wave is altered depends to a great degree on source characteristics and to a lesser degree on the travel path.

A summary of our review of historic seismic activity relative to the site is included below.

7.4.2.1 Historic Seismic Activity: The general site region has experienced recurring seismic activity. Based on historical earthquake data obtained from the U.S. Geological Survey's earthquake database system, approximately 240 historical earthquakes with magnitude 4.5 or greater have been recorded from 1900 through January 13, 2026, within about 100 miles of the site. A map showing the location of the project site with relation to the approximate historical earthquake epicenter locations and magnitude category is presented on Drawing No. 7 in Appendix A of this report.

The nearest earthquake event (estimated magnitude of 4.6) found during the search occurred on August 3, 1975, approximately 39 miles southwest of the site. The largest magnitude earthquake identified within the 100 mile radius search was the 6.7 magnitude Coalinga earthquake which occurred on May 2, 1983, approximately 45 miles southwest of the site. The information reviewed indicates the highest peak horizontal ground acceleration at the site resulting from the historic earthquakes occurred during the Coalinga earthquake (0.08g).

7.4.2.2 Design Seismic Ground Motion Parameters and Site Class: As part of this investigation, geophysical testing was conducted by GEOVision to measure shear wave velocity. The GEOVision Surface Wave Measurements Report, dated January 12, 2026 (refer to Appendix A of the April 27, 2026 Langan "Seismic Design Parameters and Site Specific Response Spectra" report), is included in Appendix E of this report. The results of the testing indicated a time-averaged shear wave velocity to a depth of 100 feet of 1,136 feet per second, which corresponds to a Site Class CD (dense sand or very stiff clay) in accordance with ASCE 7-22.

Based on the Site Class CD designation, a table providing the recommended seismic coefficients and earthquake spectral response acceleration values for the project site is included in the Preliminary Conclusions and Recommendations section of this report. The Geometric Mean Maximum Considered Earthquake (MCE_G) peak ground acceleration adjusted for site effects (PGA_M) of 0.36g was determined for the site using the Ground Motion Parameter Calculator provided by the United States Geological Survey (https://www.seismicmaps.org/).

In addition to the mapped seismic parameters, as part of this report, a seismic hazard analysis was conducted by Langan CA, Inc. to develop a site-specific response spectra. A description of the analysis and the site-specific response spectra are included in the report attached as Appendix E.

7.4.3 Liquefaction and Seismic Settlement: Liquefaction and seismic settlement are conditions that can occur under seismic shaking from earthquake events. Liquefaction describes a phenomenon in which a saturated, cohesionless soil loses strength during an earthquake as a result of induced shearing strains. Lateral and vertical movements of the soil mass, combined with loss of bearing usually results. Fine, well sorted, loose sand, shallow groundwater conditions, higher intensity earthquakes, and particularly long duration of ground shaking are the requisite conditions for liquefaction.

Due to the depth of groundwater at the site and the dense nature of the soils which will support the new courthouse, the potential for liquefaction and seismic settlement are considered low. Due to groundwater pumping for agricultural and municipal purposes and considering the flood control dams on the major local river systems such as the San Joaquin River and Kings River, as well as flood control systems for local creeks, the potential for groundwater levels to return to pre-1950s levels is not considered likely. Although the potential for a significant rise in the depth of groundwater is not anticipated to be likely, a historical groundwater depth of 50 feet below existing site grade was applied for analysis of the potential for liquefaction and seismic settlement.

Liquefaction and seismic settlement analyses were conducted based on soil properties revealed by test borings, and the results of laboratory testing. The analyses were conducted for soils encountered in borings B-2, B-9, B-12 and B-13 using the software program LiquefyPro developed by CivilTech. A horizontal ground acceleration of 0.36g, a maximum considered earthquake of 6.3 and an historic high groundwater depth of 50 feet were used in the analysis. The Maximum Considered Earthquake magnitude of 6.3 was applied in the analysis based on the hazard disaggregation as described in Section 7.2 of this report. The N-values generated based on the boring results were used to determine the cyclic stress ratio needed to initiate liquefaction. Soil parameters, such as wet unit weight, N-value, fines content, and depth of N-value tests, were input for the soil layers encountered throughout the depths explored (see test boring logs, Appendix B).

Based on the analysis, a seismic settlement of about ½ inch was estimated; however, less than ⅛ inch of the seismic settlement occurs below the planned courthouse basement foundation depth described in this report.

8.0 PRELIMINARY CONCLUSIONS AND RECOMMENDATIONS

Based on the findings of this preliminary investigation, the following preliminary conclusions and recommendations were prepared for the Site Aquisition phase of the project.

8.1 Based on the findings of this investigation, the site is considered suitable for the proposed development from a geotechnical engineering and geologic standpoint. Additional geotechnical engineering studies and evaluation are anticipated for the design-build phase of the project.

8.2 Many of the soil borings drilled for this investigation encountered silty sand or poorly graded sand fill soils ranging in depth from 2 to 6 feet BSG. As part of the site preparation for new surface improvements which are sensitive to settlement, all undocumented fill soils should be removed to expose native undisturbed soils. Deeper fill soils are anticipated to exist as backfill of existing basement structures and where fill soils have been placed in areas that were filled as part of previous development.

8.3 The near surface native soils encountered below the fill soils, and the near surface soils within the borings where fill soils were not encountered, generally consisted of silty sands to depths of about 6 to 15 feet BSG. The silty sands were underlain by interbedded layers of clayey sands, poorly graded sands with silt, poorly graded sands, sandy lean clays (or lean clays with sand), sandy silts, and additional silty sands extending to the maximum depth explored, about 81½ feet BSG. The near surface soils encountered in most of the borings were generally very loose to loose to a depth of about 13½ to 18 feet BSG, where the soils commonly transitioned to a medium dense condition. Beginning at depths of about 20 to 25 feet BSG in most of the borings, the granular soils were generally dense or very dense and the fine-grained soils (silts and clays) were generally very stiff or hard.

8.4 The near surface silty sands, clayey sands and poorly graded sands generally exhibited non plastic or low plastic characteristics. The near surface soils with an expansion index of less than 20 are anticipated to be suitable for use as engineered fill for the project, provided they do not contain more than 3 percent organics, roots larger than ½ inch in diameter, or irreducible debris larger than 4 inches. Thus, soils in areas of existing trees will require removal of roots in order to be used as engineered fill. Engineered fill should be placed in lifts with a maximum thickness of 8 inches, moisture conditioned to slightly above optimum and compacted to a minimum of 92 percent relative compaction based on ASTM D1557, with exception that fills placed deeper than 10 feet below finished grade should be compacted to a minimum of 95 percent relative compaction. Some large, mature trees occur within the site.

8.5 Free groundwater was not encountered in the test borings drilled at the time of our July 2023 field exploration, nor our November 2025 or January 2026 field exploration to the maximum depth explored, about 81½ feet BSG. However, a relatively thin lens of suspected perched groundwater was encountered within borings B-9 and B-10 at a depth of about 65 feet BSG.

8.6 The potential for the geologic/seismic hazards reviewed as part of this study (refer to Section 7.0 of this report) to impact the proposed project are considered low. However, as indicated in this report (refer to Drawing No. 8 in Appendix A), the inundation zone for catastrophic failure of Fancher Creek Reservoir and Big Dry Creek Detention Reservoir is shown within the northern portion of the Site 1A area. Also, as noted in Section 7.3.2.5 of this report, although the potential for radon gas levels to exceed 4 picocuries per liter appears low, considering the public nature of the building and the recommendations of CGS Special Report 247, radon gas testing would be recommended within existing nearby buildings and basement levels to obtain specific data to determine if any special soil gas control systems are needed for the proposed structure due to a potential for elevated indoor radon levels.

8.7 In addition to the existing structures and subsurface improvements that will require removal as part of the project, the overall site history indicates some previously existing structures have been removed from the Site 1A area as well. The type of foundation system supporting the prior structures and the extent of removal of subsurface improvements associated with previous development are not known. Thus, in addition to the existing structures, there is a potential to encounter other buried improvements that may still remain within the site from prior development.

8.8 Based on the preliminary structural loading provided by HOK, a structural mat foundation system is anticipated for support of the new courthouse. Based on the information provided by HOK, a maximum applied ground pressure of 3,500 pounds per square foot was assumed for consideration of a mat foundation. Based on the anticipated foundation loads, the mat foundation for the new courthouse should extend into the dense to very dense granular soils and/or the very stiff to hard fine-grained soils which were generally encountered beginning at depths ranging from 20 to 25 feet BSG. Preliminary estimates of foundation settlement indicate less than 1 inch of post construction settlement for these conditions. As part of the site/subgrade preparation to receive the foundations, the subgrade soils should be compacted to achieve a firm and stable condition at the base of the excavation, and to achieve a minimum relative compaction (based on ASTM D1557) of 92 percent to a depth of at least 12 inches. In addition, areas where excavations occur below the planned foundation such as for removal of existing structure foundations, other subsurface improvements, unstable or lower density soils, or where soils are disturbed from the demolition work, all disturbed soils should be removed to expose native, undisturbed soils and the excavations should be backfilled as engineered fill.

8.9 It is our understanding based on information provided by HOK that deep foundation elements may be considered to augment the uplift resistance of the building foundation due to seismic overturning forces at the shear wall cores. From a geotechnical engineering perspective, due to potential impacts from differential settlement of the mat foundation and in order to maintain more uniform foundation performance, if the depth and/or thickness of the mat foundation can be modified to achieve the required uplift resistance, this approach would be preferred instead of incorporating deep foundation elements for uplift resistance. In the event deep foundation uplift elements are required at the shear wall cores, on a preliminary basis it is anticipated that the deep foundation uplift elements would consist of reinforced concrete shafts in the range of about 16 inches to 30 inches in diameter. An allowable uplift resistance skin friction value of 250 pounds per square foot may be considered for conceptual design of drilled shafts extending a minimum depth of 35 feet below the bottom of the mat foundation and an allowable uplift skin friction value of 500 pounds per square foot may be considered for conceptual design of auger cast piles extending to a minimum depth of 35 feet below the bottom of the mat foundation. Where used, pile foundations should be placed no closer to each other than three pile diameters, center-to-center. For spacing less than three diameters, the uplift capacity of piles in groups should be reduced using accepted group reduction formulas. Geotechnical parameters for consideration of lateral loading effects on deep foundations are included in Section 8.11 of this report. However, note that a detailed geotechnical and structural evaluation of the differential settlement and deformation of the mat foundation will also need to be conducted to assess potential mat foundation design impacts if deep foundation uplift elements are used. Refer to Section 8.10 of this report for additional information.

8.10 At the time of preparation of this report, structural design had not been initiated. Structure design information for the mat foundation (such as loading, depth, etc.) and deep foundation uplift elements (such as diameter, depth, locations, etc.) will be needed for geotechnical engineering analysis of foundation settlement and for development of final modulus of subgrade reaction estimates for use in structural analysis and design. Thus, for the purpose of this report, the estimates of modulus of subgrade reaction in this report are preliminary in nature and are intended only for an initial structural analysis. A preliminary modulus of subgrade reaction of 30 pounds per cubic inch may be assumed for the mat foundation subgrade for initial analysis based on an assumed uniform applied foundation pressure of 3,500 pounds per square foot. For initial analysis, the modulus of subgrade reaction at the top of the deep foundation uplift element is anticipated to be several thousand times the value of the modulus of subgrade reaction for the mat foundation subgrade. The vertical modulus of subgrade reaction for deep foundation uplift elements (if used) will depend on details such as the diameter, depth and mat foundation load contribution and thus cannot be estimated at this time. Final geotechnical parameters will need to be developed through an iterative process with the structural engineer as the structural design loading and details for the mat foundation and deep foundation uplift elements are known and after initial soil-structure interaction analysis is conducted by the structural engineer.

8.11 Based on the soils encountered during our field investigation, the following tables may be used for lateral analysis of individual pile foundations using soil-structure interaction software such as LPILE by Ensoft, Inc. P-multipliers should be applied for lateral analysis of pile groups in accordance with accepted standards, such as the California Amendments to the AASHTO LRFD Bridge Design Specifications, prepared by the State of California Department of Transportation.

Table No. 3
Idealized Soil Profile and Parameters for Conceptual Lateral Design of Drilled Shafts

Soil Description	Elevation of Bottom of Layer (feet)	Total Unit Weight (pcf)	Internal Angle of Friction (degfees)	Undrained Shear Strength (psf)	Soil Modulus, K (pci)	Strain (E_{50})
Loose Silty Sand and Poorly Graded Sand	275	110	28	N/A	25	N/A
Medium Dense Poorly Graded Sand	265	115	30	N/A	90	N/A
Medium Dense to Dense Silty Sand	257	120	32	N/A	90	N/A
Very Stiff to Hard Low Plastic Clay	242	120	N/A	2,000	1,000	0.005
Medium Dense to Dense Silty Sand	212	120	32	N/A	90	N/A

Notes: 1. pcf = pounds per cubic foot
2. Psf = pounds per square foot
3. Pci = pounds per cubic inch

8.12 The new courthouse building is anticipated to include connections to other structures such as a new tunnel system for secure transport of prisoners to the Main Jail and the existing adjacent Fresno County parking structure. The potential for differential settlement between dissimilar structures will need to be evaluated to reduce potential impacts. Provisions should be incorporated in the construction of the project to reduce potential impacts from differential settlement of adjoining structures, such as allowing the majority of the foundation settlement to occur before final connections are made.

8.13 Based on the depth of excavation anticipated for the proposed basement level, cohesionless soils including poorly graded sands and well graded sands with a limited stand up capacity are anticipated to be exposed in some areas. It should be anticipated that these soils will be subject to instability in excavations and instability/yielding when preparing the subgrade soils.

8.14 For conceptual design purposes, the active and at-rest pressures of retaining wall backfill using imported, granular soils in a drained condition may be assumed to be equal to the pressures developed by a fluid with a density of 43 and 65 pounds per cubic foot, respectively. Drained conditions will require design and installation of retaining wall backdrains. A seismic earth pressure (equivalent fluid pressure) of 25 pounds per cubic foot may also be applied for conceptual design of the basement structure retaining walls, using an inverted triangular pressure distribution. These pressures also assume a level ground surface and do not include the surcharge effects of construction equipment, loads imposed by nearby foundations, roadways, hydrostatic water pressure, etc. The allowable passive resistance may be assumed to be equal to the pressure developed by a fluid with a density of 300 pounds per cubic foot. The passive pressure may be increased 1/3 for temporary loading conditions.

8.15 The proposed courthouse is anticipated to have a basement finished floor elevation extending about 15 feet below the grade adjacent to Fresno Street. Numerous existing above and below grade structures are located within and adjacent to the planned basement excavation. In addition, the existing structures to be demolished include foundations that are in close proximity to some of the existing retaining structures and foundations associated with existing structures that will remain. Due to the proximity of the adjacent, existing improvements as described in Section 6.1 of this report, the excavations conducted for the project have a potential to impact adjacent improvements. Thus, it is anticipated that some of the excavations for the project will require shoring for temporary excavation support, and to protect existing adjacent improvements from excessive movement. Special provisions to protect the adjacent structures may be required if the excavations are to be advanced below the zone of influence of existing adjacent foundations. Furthermore, demolition and removal of existing structures and foundations will need to be conducted carefully to reduce potential damage to the existing adjacent improvements. In addition, the presence of existing adjacent below grade improvements may restrict the use of ground anchors for engineered shoring systems to support the new basement level excavation for the courthouse.

8.16 Due to the presence of existing adjacent structures that will remain, potential surcharge to the new courthouse foundation/basement walls from adjacent foundations, and potential surcharge loading from the proposed courthouse to adjacent structures will need to be evaluated. If surcharge loads occurs, this condition will need to be addressed in design and construction.

8.17 Based on a Site Class CD, the following mapped seismic factors were developed for the site using the Ground Motion Parameter Calculator provided by SEOAC and OSHPD (http://seismicmaps.org), based upon a site latitude of 36.736754 degrees and a site longitude of -119.789985 degrees. **The mapped parameters provided in Table No. 5 are based upon the general procedures of ASCE 7-22 and are not based upon a site-specific ground motion hazard analysis. Refer to the site-specific response spectra in Appendix E of this report.**

Table No. 4
Mapped Seismic Factors[1,2]

Seismic Factor	2025 CBC Value
Site Class	CD
Maximum Considered Earthquake (geometric mean) peak ground acceleration adjusted for site effects (PGA_M)	0.36
Spectral Response At Short Period (0.2 Second), S_s	0.72
Spectral Response At 1-Second Period, S_1	0.24
Maximum considered earthquake spectral response acceleration for short period, S_{MS}	0.9
Maximum considered earthquake spectral response acceleration at 1 second, S_{M1}	0.48
Five percent damped design spectral response accelerations for short period, S_{DS}	0.62[3]
Five percent damped design spectral response accelerations at 1-second period, S_{D1}	0.32

Note: **1. Values in above table reflect the "mapped" seismic parameters. A site-specific response spectra is included in Appendix E of this report.**
2. The mapped seismic parameters are subject to the disclaimers listed in the website https://seismicmaps.org/
3. S_{DS} value determined in accordance with ASCE 7-22, Section 11.4.4.

8.18 The bottom surface area of the mat foundation in direct contact with soils can be used to resist lateral loads. An allowable coefficient of friction of 0.30 may be used for design. The allowable passive resistance of the native soils and engineered fill may be assumed to be equal to the pressure developed by a fluid with a density of 300 pounds per cubic foot. The passive pressure may be increased 1/3 for temporary loading conditions.

8.19 The following preliminary asphalt concrete pavement sections are based on a design R-value of 40 and traffic index values ranging from 5.0 to 8.0 in the event low volume traffic pavements are planned as part of the project. It should be noted that if pavements are constructed prior to construction, the traffic index value should account for construction traffic. The actual traffic index values applicable to the site should be determined by the project civil engineer.

Table No. 5
Preliminary Asphalt Concrete Pavement Section Thickness Recommendations

Traffic Index	AC thickness, inches	AB thickness, inches	Compacted Subgrade, inches
5.0	2.5	5.0	12
5.5	3.0	5.0	12
6.0	3.0	6.5	12
6.5	3.5	6.5	12
7.0	4.0	7.0	12
7.5	4.0	8.0	12
8.0	4.5	8.5	12

AC - Type A Asphalt Concrete in accordance with the California Department of Transportation Standard Specifications
AB - Class II Aggregate Base with a minimum R-value of 78 and compacted to at least 95 percent relative compaction (ASTM D1557)
Subgrade - Subgrade soils compacted to at least 95 percent relative compaction (ASTM D1557)

8.20 The pavement design application StreetPave www.pavementdesigner.org ("Street" Analysis) was utilized to determine preliminary Portland cement concrete (PCC) pavement section thicknesses. The following PCC pavement sections have been prepared based on the estimated Equivalent Single Axle loads using assumed traffic indexes of 6.0 to 8.0. The design pavement sections should be selected by the designer based on the

anticipated traffic loading. If the paved areas are to be used during construction, or if the type and frequency of traffic are greater than assumed in design, the pavement section should be re-evaluated for the anticipated traffic loading. The design thicknesses were based on the following parameters: 1) minimum modulus of rupture of 550 psi for the concrete, 2) a design life of 20 years, 3) load transfer by aggregate interlock or dowels, 4) concrete shoulder, 5) 5 percent cracked slabs at failure, and 6) trucks with a single axle load of 16 kips and two (2) tandem axles with a load of 32 kips each.

Table No. 6
Preliminary Portland Cement Concrete Pavement Section Thickness Recommendations

Traffic Index	ADTT (Trucks/day)	PCC thickness (inches)	Aggregate Base[1] (inches)	Compacted Subgrade[2] (inches)
6.0	2	5.5	4.0	12
7.0	7	6.0	4.0	12
8.0	22	6.5	4.0	12

ADTT - Average Daily Truck Traffic
PCC - Portland Cement Concrete (minimum Modulus of Rupture=550 psi)
Subgrade - Subgrade soils compacted to at least 95 percent relative compaction (ASTM D-1557)

8.21 Although some borings encountered poorly graded sands that exhibit a gradation and density that are favorable for infiltration, the thickness of the poorly graded sands are limited in some areas and these soils were generally underlain by dense or hard soils which would restrict vertical downward movement of water. Thus, water from stormwater infiltration systems relying on infiltration in the poorly graded sand would have a tendency to become perched and migrate laterally above the underlying dense/hard soils. Due to these subsurface conditions and since the proposed structure includes a basement level, stormwater infiltration systems would generally not be recommended.

8.22 A vapor retarder should be placed below interior building slabs in accordance with the American Concrete Institute's Guide to Concrete Floor and Slab Construction (ACI 302-1R) for selection and installation of moisture vapor retarders. As a minimum, it is recommended that a 15-mil vapor retarder such as Stegowrap 15 be used where moisture could permeate into the interior and create problems, such as where flooring or floor slab applications will contain moisture sensitive materials (or other slab applications or uses). The vapor retarder should overlay a compacted granular base layer.

8.23 The results of corrosion potential testing indicated that the near-surface soils exhibit a "mildly corrosive" corrosion potential to buried metal objects and one (1) sample of sandy lean clay obtained from a depth of about 21 to 24 feet BSG indicated a "corrosive" corrosion potential.

8.24 Based on Table 19.3.1.1 - Exposure categories and classes from Chapter 19 of ACI 318, the sulfate concentration from chemical testing falls in the S0 classification for consideration of concrete mix design requirements for concrete in contact with soils.

9.0 NOTIFICATION AND LIMITATIONS

9.1 The preliminary conclusions and primary geotechnical engineering conditions of concern presented in this report are based on the information provided regarding the anticipated construction, our evaluation of the geologic and seismic hazards and the results of the field and laboratory investigation, combined with interpolation of the subsurface conditions between boring locations.

9.2 This report presents the results of a preliminary investigation for the site acquisition phase of the project only and should not be construed as a design level investigation.

9.3 The preliminary conclusions and recommendations contained in this report are valid only for the project discussed in the Background Information section of this report. The use of the information contained in this report for structures on this site not discussed herein or for structures on other sites not discussed in this report is not recommended. The entity or entities that use or cause to use this report or any portion thereof for another structure or site not covered by this report shall hold Moore Twining, its officers and employees harmless from any and all claims and provide Moore Twining's defense in the event of a claim.

9.4 This report is issued with the understanding that it is the responsibility of the client to transmit the information and conclusions and primary geotechnical engineering conditions of concern in this report to developers, owners, buyers, architects, engineers, designers, contractors, subcontractors, and other parties having interest in the project so that the steps necessary for consideration in the design, construction and maintenance of the project are taken by the appropriate party.

9.5 Our professional services were performed, our findings obtained, and our conclusions and primary geotechnical engineering conditions of concern were prepared in accordance with generally-accepted engineering principles and practices. This warranty is in lieu of all other warranties either expressed or implied.

9.6 Reliance on this report by a third party (i.e., that is not a party to our written agreement) is at the party's sole risk. If the project and/or site are purchased by another party, the purchaser must obtain written authorization and sign an agreement with Moore Twining in order to rely upon the information provided in this report for design or construction of the project.

10.0 CLOSING

We appreciate the opportunity to be of service. If you have any questions regarding this report, or if we can be of further assistance, please contact us at your convenience.

Sincerely,
MOORE TWINING ASSOCIATES, INC.
Geotechnical Engineering Division

Shaun Reich, EIT
Staff Engineer

Allen H. Harker, CEG
Certified Engineering Geologist

CERTIFIED ENGINEERING GEOLOGIST
ALLEN H. HARKER
No. 2781
EXP. 7-31-26
STATE OF CALIFORNIA

Read L. Andersen, RGE
Division Manager

REGISTERED PROFESSIONAL ENGINEER
READ L. ANDERSEN
2810
EXP. 12-31-26
GEOTECHNICAL
STATE OF CALIFORNIA

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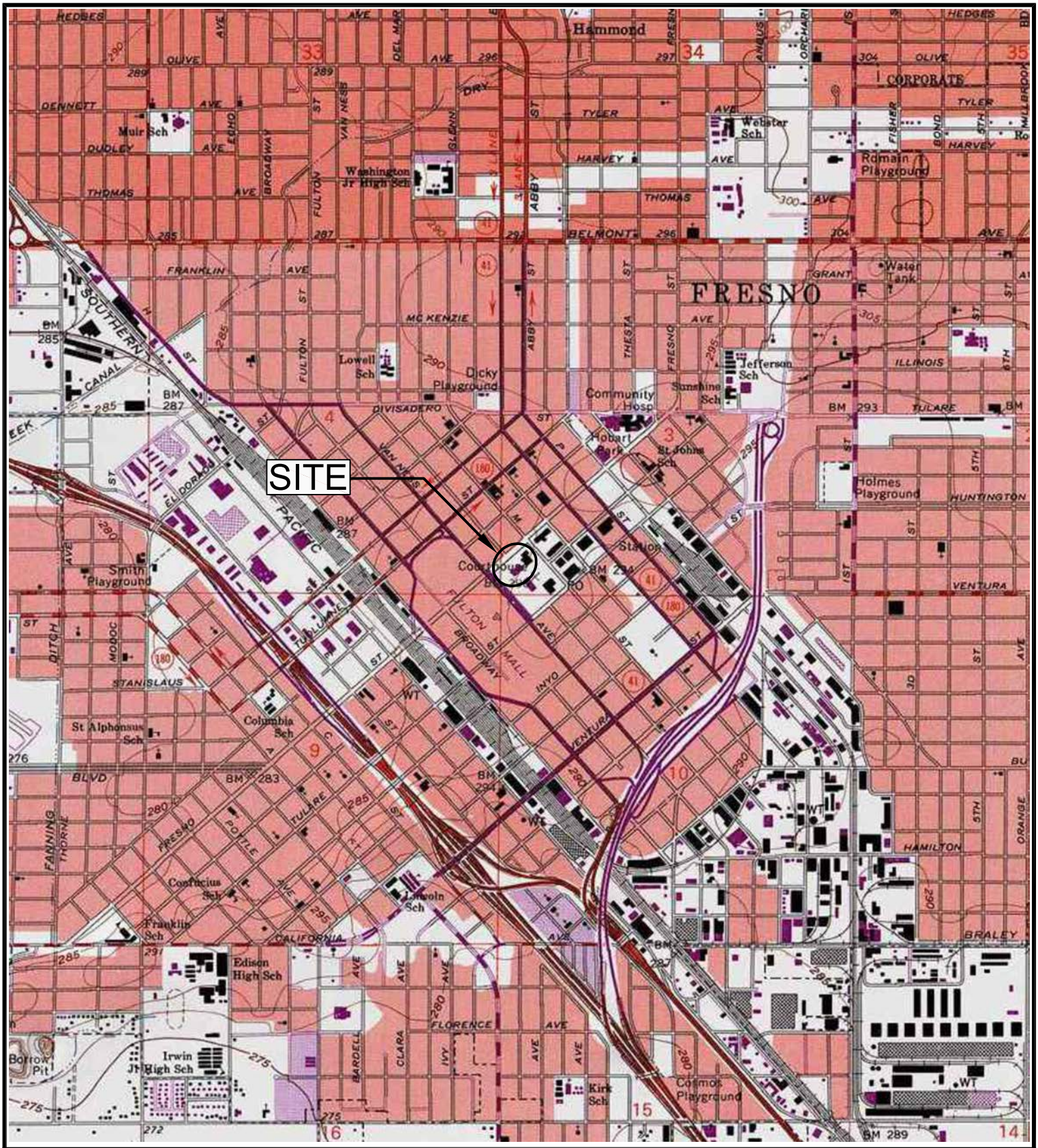
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APPENDIX A

DRAWINGS

Drawing No. 1 - Site Location Map
Drawing No. 2 - Overall Test Boring Location Map
Drawing No. 3 - Test Boring Location Map - Site 1A
Drawing No. 4 - Existing Subsurface Improvements Overlayed on Courthouse Site Plan Option 1A
Drawing No. 5 - Regional Geologic Map
Drawing No. 6 - Map of Faults Relative to Site
Drawing No. 7 - Historical Earthquake Epicenter Map
Drawing No. 8 - Dam Inundation at Courthouse Park from Breach of Fancher Creek Reservoir and Big Dry Creek Reservoir
Drawing No. 9 - Site Geologic Map
Drawing No. 10 - Soil Profile Cross Section A-A'
Drawing No. 11 - Soil Profile Cross Section B-B'



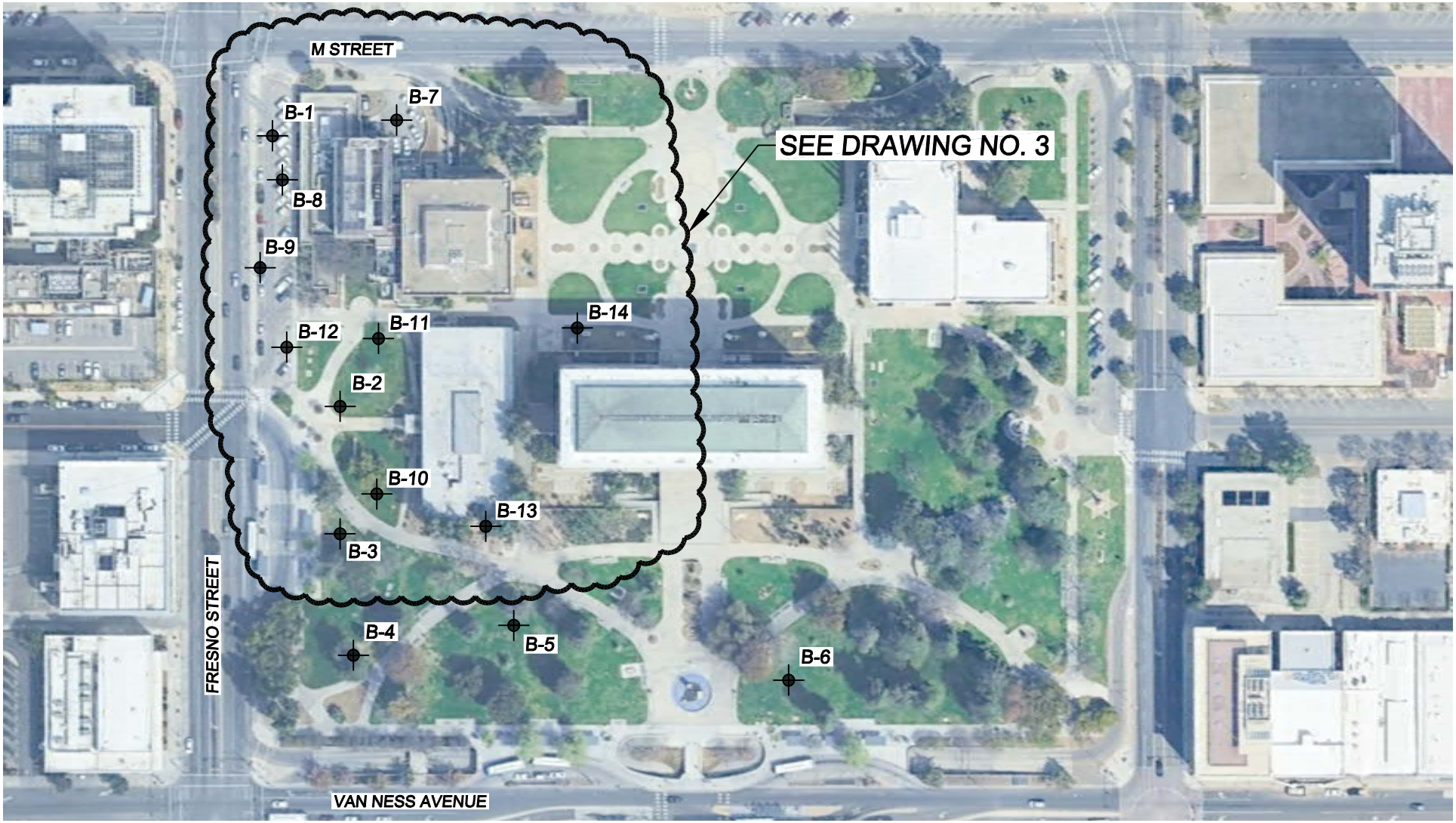
SOURCE: U.S.G.S. TOPOGRAPHIC MAP, 7 ½ MINUTE SERIES
FRESNO SOUTH, CALIFORNIA QUADRANGLE 1978, PHOTOREVISED 1981

0 2000
APPROXIMATE SCALE IN FEET

SITE LOCATION MAP
PROPOSED COURTHOUSE - COURTHOUSE PARK
SOUTHEAST OF FRESNO STREET BETWEEN M STREET AND VAN NESS AVENUE
FRESNO, CALIFORNIA

FILE NO.: 88004-01-01	DATE: 01/13/2026
DRAWN BY: RM	APPROVED BY:
PROJECT NO. C88004.01-03	DRAWING NO. 1

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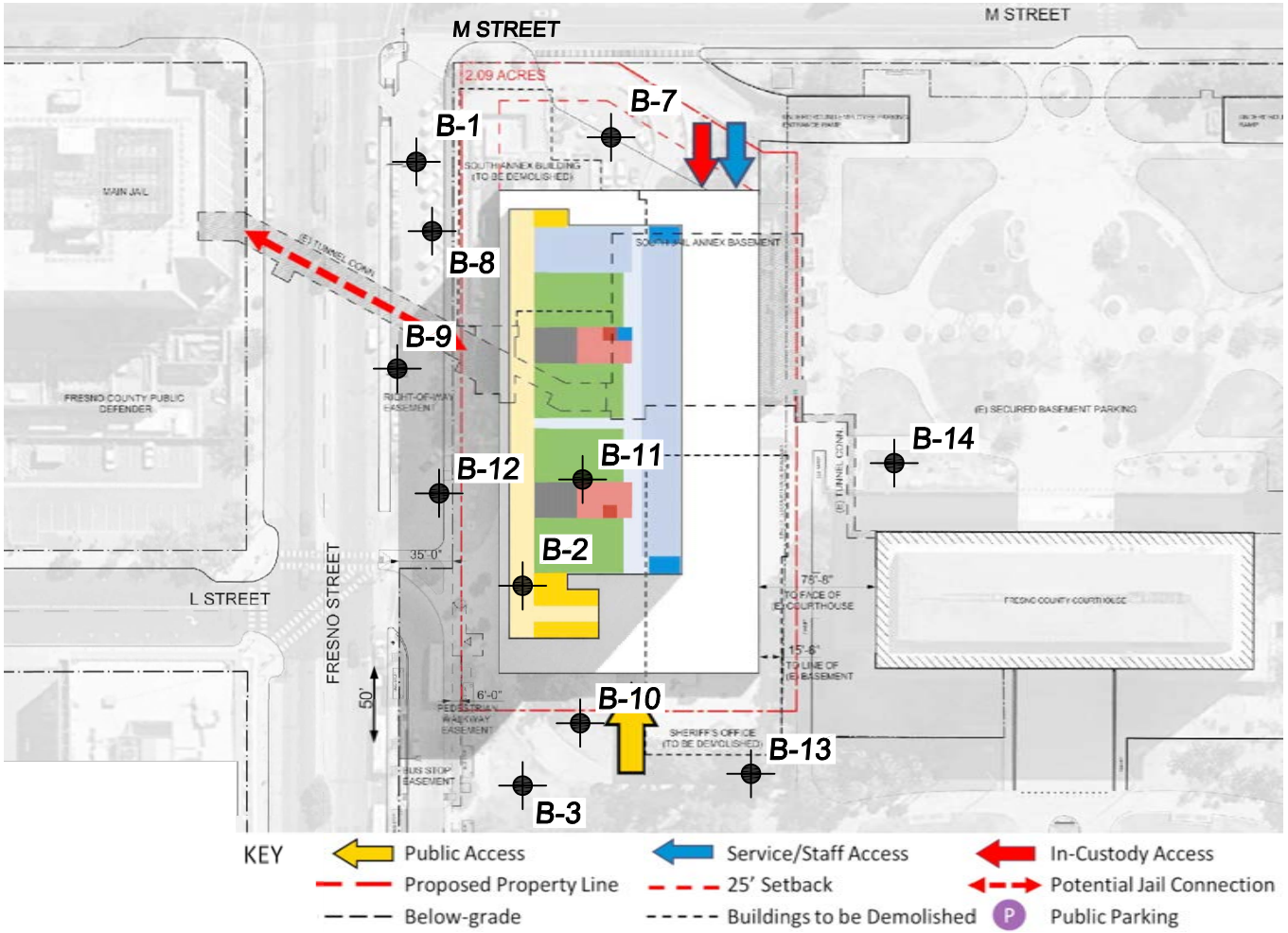
APPROXIMATE LOCATION OF TEST BORING

N
PROJECT NORTH
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APPROXIMATE SCALE IN FEET

TEST BORING LOCATION MAP - OVERALL
PROPOSED COURTHOUSE - COURTHOUSE PARK
SOUTHEAST OF FRESNO STREET BETWEEN M STREET AND VAN NESS AVENUE
FRESNO, CALIFORNIA

FILE NO. 88004-01-02	DATE DRAWN: 01/13/2026
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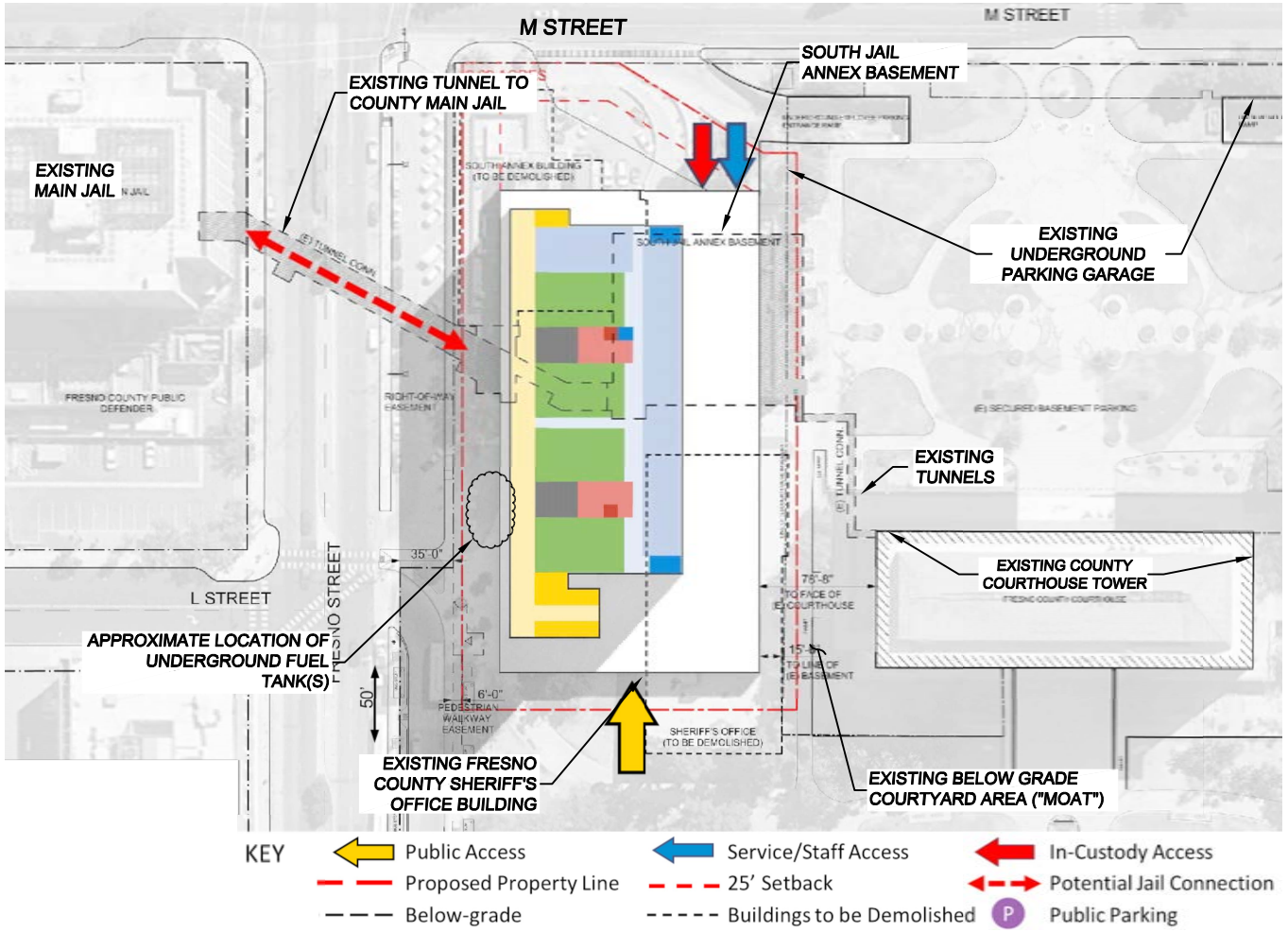
APPROXIMATE LOCATION OF TEST BORING (SEE DRAWING NO. 3 FOR OTHER TEST BORING LOCATIONS B-4, B-5 AND B-6)

N
PROJECT NORTH
0
120
APPROXIMATE SCALE IN FEET

TEST BORING LOCATION MAP - SITE 1A
PROPOSED COURTHOUSE - COURTHOUSE PARK
SOUTHEAST OF FRESNO STREET BETWEEN M STREET AND VAN NESS AVENUE
FRESNO, CALIFORNIA

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NOTE: ELEVATION DATUM ON THIS DRAWING DIFFERS FROM ELEVATION DATUM USED FOR TOPOGRAPHIC MAP, PREPARED BY PRECISION CIVIL ENGINEERING, INC. DATED JULY 10, 2023

NOTE: EXISTING ELEVATIONS AND ELEVATION NOTES PROVIDED CIVIL TO VERIFY / CONFIRM ELEVATION

N
PROJECT NORTH
0
APPROXIMATE SCALE IN FEET

EXISTING SUBSURFACE IMPROVEMENTS OVERLAYED ON COURTHOUSE SITE PLAN OPTION 1A - COURTHOUSE PARK
SOUTHEAST OF FRESNO STREET BETWEEN M STREET AND VAN NESS AVENUE
FRESNO, CALIFORNIA

FILE NO. 88004-01-02	DATE DRAWN: 04/23/2026
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PROJECT NO. C88004.01-03	DRAWING NO. 4

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SEDIMENTARY AND METASEDIMENTARY ROCKS

QUATERNARY

Recent

- Qs — Dune sand
- Qal — Alluvium
- Qsc — Stream channel deposits
- Qf — Fan deposits
- Qb — Basin deposits

GREAT VALLEY

- Qst — Salt deposits
- Ql — Quaternary lake deposits
- Qg — Glacial deposits

Pleistocene

- Qt — Quaternary nonmarine terrace deposits
- Qm — Pleistocene marine and marine terrace deposits
- Qc — Pleistocene nonmarine

IGNEOUS AND META-IGNEOUS ROCKS

- Qrv — Recent volcanic: Qrv^r —rhyolite; Qrv^a —andesite; Qrv^b —basalt; Qrv^p —pyroclastic rocks
- Qpv — Pleistocene volcanic: Qpv^r —rhyolite; Qpv^a —andesite; Qpv^b —basalt; Qpv^p —pyroclastic rocks

REFERENCE: GEOLOGIC MAP OF CALIFORNIA, FRESNO SHEET, PREPARED BY THE CALIFORNIA DIVISION OF MINES AND GEOLOGY, DATED 1965

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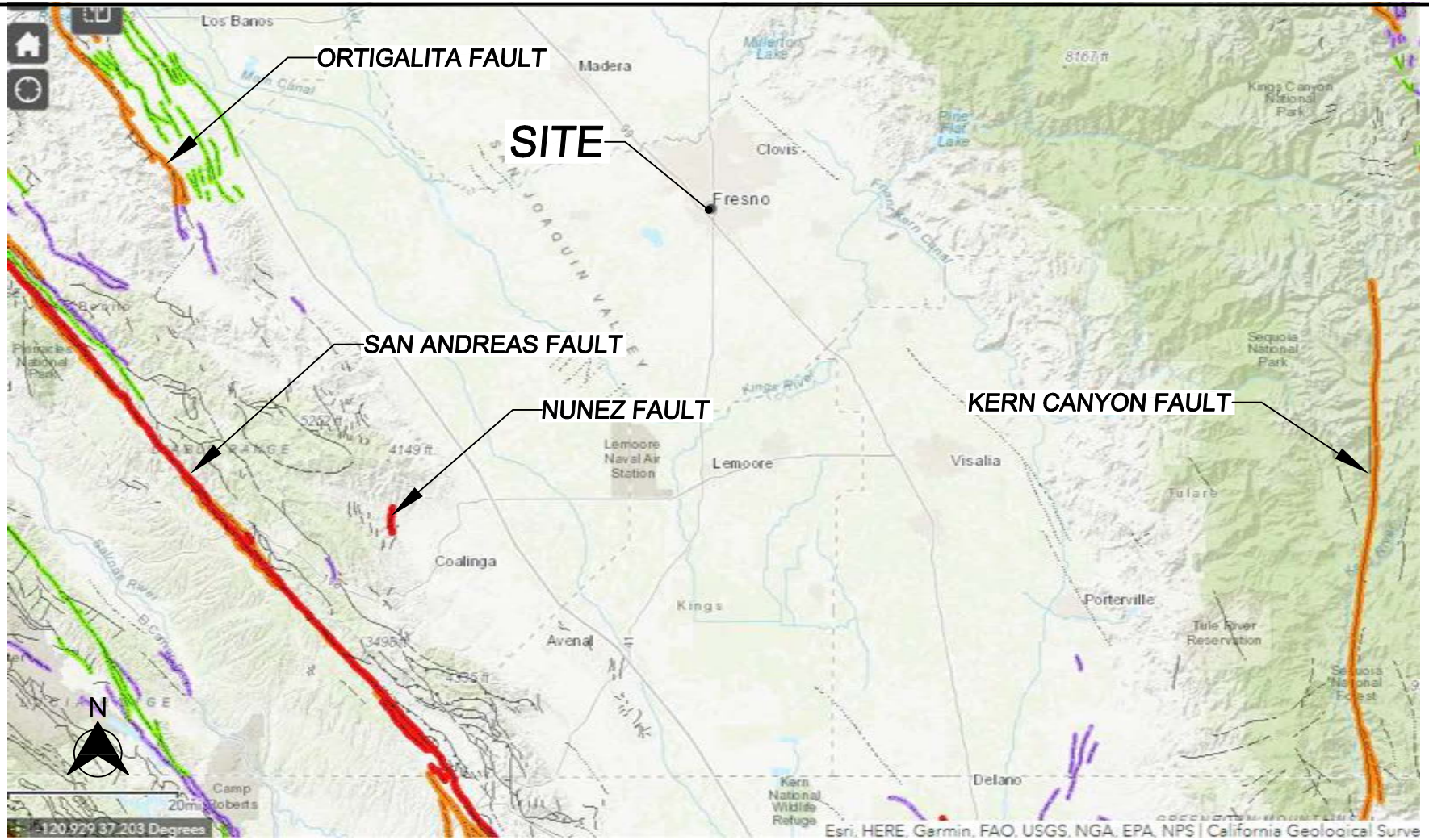
0 3.0

APPROXIMATE SCALE IN MILES

REGIONAL GEOLOGIC MAP
PROPOSED COURTHOUSE - COURTHOUSE PARK
SOUTHEAST OF FRESNO STREET BETWEEN M STREET AND VAN NESS AVENUE
FRESNO, CALIFORNIA

FILE NO. 88004-01-02	DATE DRAWN: 01/13/2026
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PROJECT NO. C88004.01-03	DRAWING NO. 5

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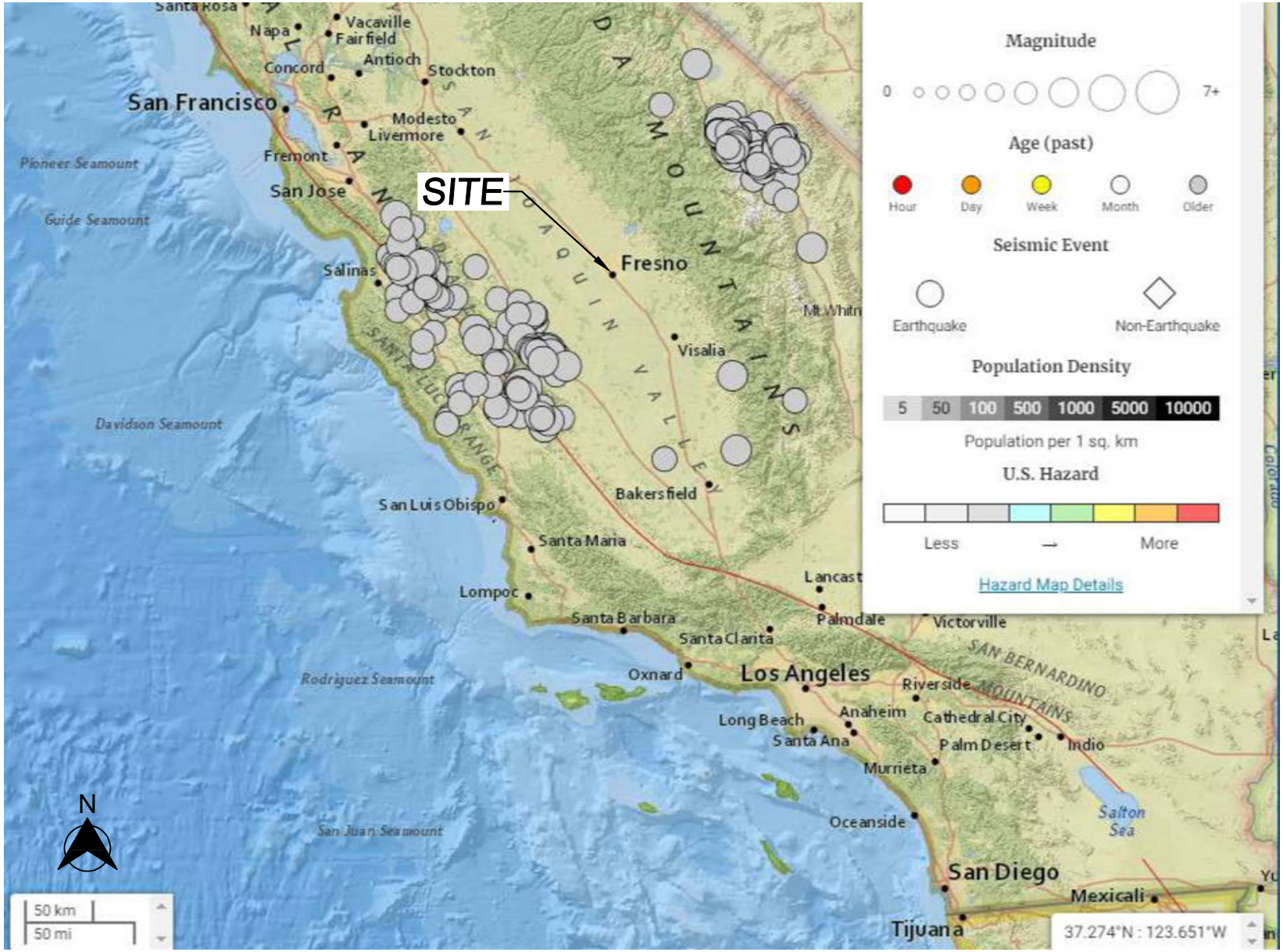
LEGEND

- Fault along which historic (last 200 years) displacement has occurred
- Holocene fault displacement (during past 11,700 years) without historic record
- Late Quaternary fault displacement (during past 700,000 years)
- Quaternary fault (age undifferentiated)

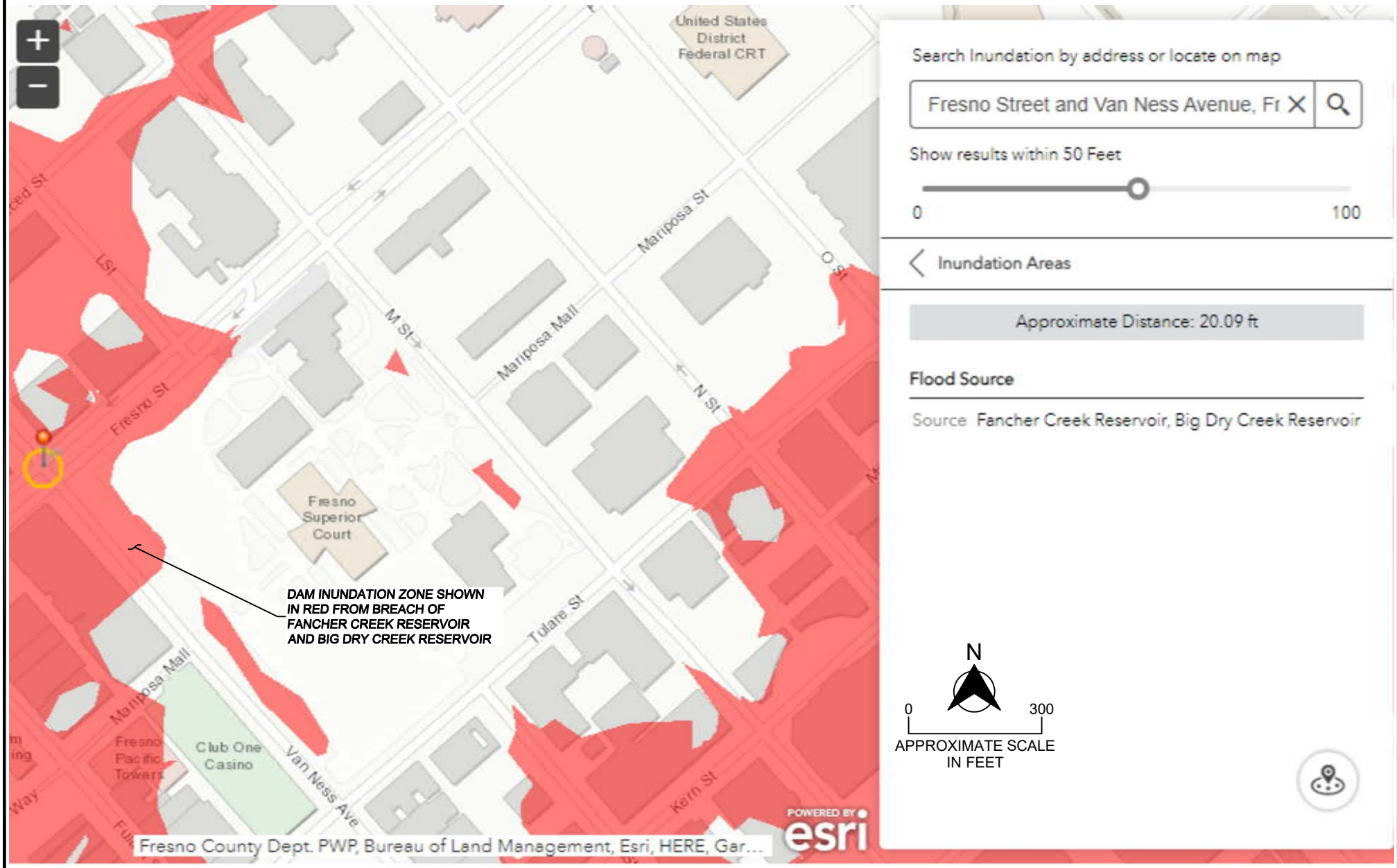
MAP OF ACTIVE AND POTENTIALLY ACTIVE FAULTS RELATIVE TO SITE
PROPOSED COURTHOUSE - COURTHOUSE PARK
SOUTHEAST OF FRESNO STREET BETWEEN M STREET
AND VAN NESS AVENUE
FRESNO, CALIFORNIA

FILE NO. 88004-01-02	DATE DRAWN: 01/13/2026
DRAWN BY: RM	APPROVED BY:
PROJECT NO. C88004.01-03	DRAWING NO. 6

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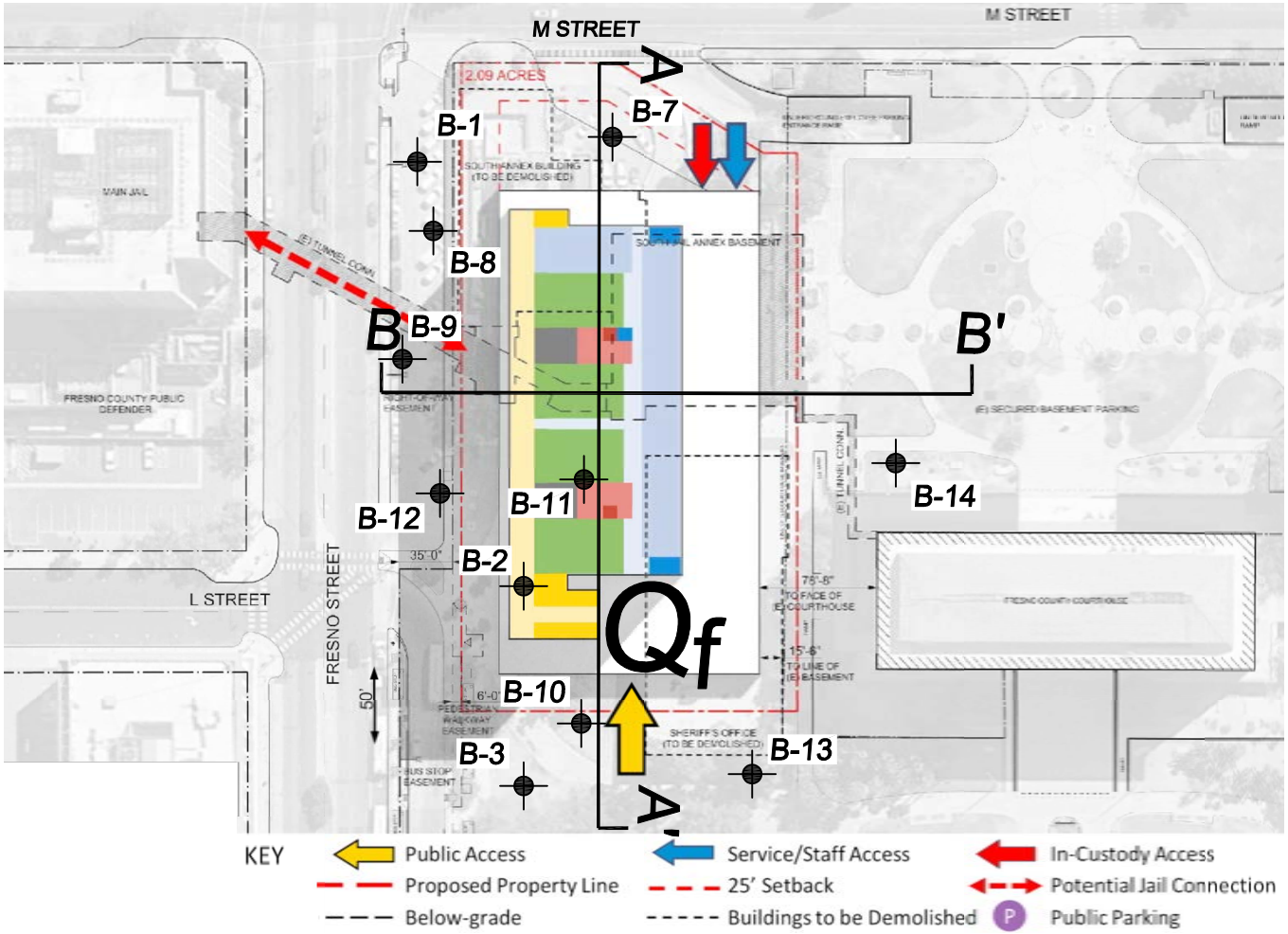
HISTORICAL EARTHQUAKE EPICENTER MAP PROPOSED COURTHOUSE - COURTHOUSE PARK SOUTHEAST OF FRESNO STREET BETWEEN M STREET AND VAN NESS AVENUE FRESNO, CALIFORNIA	FILE NO. 88004-01-02	DATE DRAWN: 01/13/2026	MOORE TWINING ASSOCIATES, INC.
	DRAWN BY: RM	APPROVED BY:	
	PROJECT NO. C88004.01-03	DRAWING NO. 7	



DAM INUNDATION OF COURTHOUSE PARK FOM BREACH OF FANCHER CREEK RESERVOIR AND BIG DRY CREEK RESERVOIR
PROPOSED COURTHOUSE - COURTHOUSE PARK
SOUTHEAST OF FRESNO STREET BETWEEN M STREET AND VAN NESS AVENUE
FRESNO, CALIFORNIA

FILE NO. 88004-01-02	DATE DRAWN: 01/13/2026
DRAWN BY: RM	APPROVED BY:
PROJECT NO. C88004.01-03	DRAWING NO. 8

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Qf - RECENT ALLUVIAL FAN DEPOSITS IN THE GREAT VALLEY

APPROXIMATE LOCATION OF TEST BORING (SEE DRAWING NO. 11 FOR OTHER TEST BORING LOCATIONS B-4, B-5 AND B-6)

REFERENCE: GEOLOGIC MAP OF CALIFORNIA, FRESNO SHEET, PREPARED BY THE CALIFORNIA DIVISION OF MINES AND GEOLOGY, DATED 1965

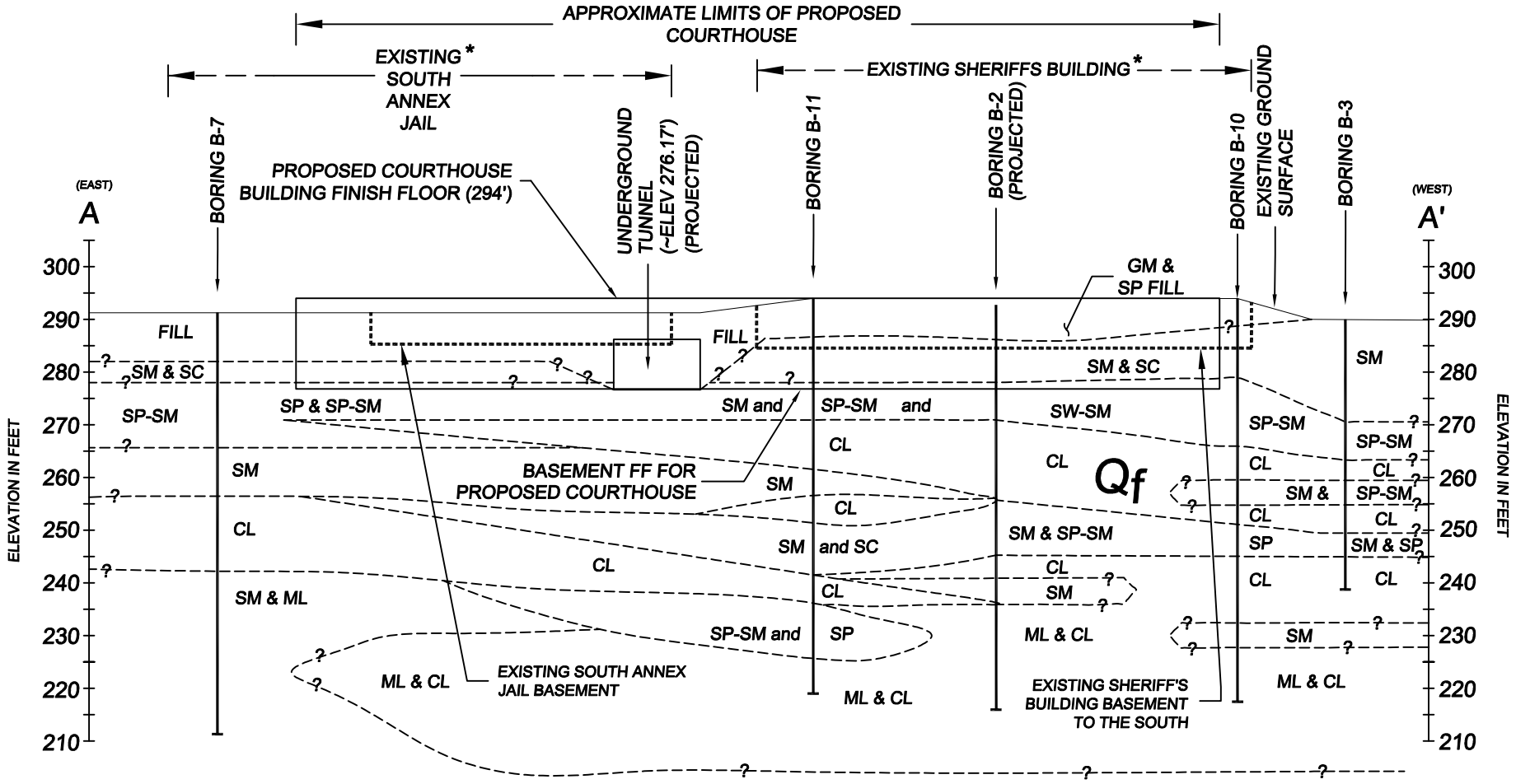
A A' GEOLOGIC CROSS SECTION

N
PROJECT NORTH
0 120
APPROXIMATE SCALE IN FEET

SITE GEOLOGIC MAP
PROPOSED COURTHOUSE - COURTHOUSE PARK
SOUTHEAST OF FRESNO STREET BETWEEN M STREET AND VAN NESS AVENUE
FRESNO, CALIFORNIA

FILE NO. 88004-01-02	DATE DRAWN: 04/23/2026
DRAWN BY: RM	APPROVED BY:
PROJECT NO. C88004.01-03	DRAWING NO. 9

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GEOLOGIC UNITS

Q_f: RECENT ALLUVIAL FAN DEPOSITS OF THE GREAT VALLEY

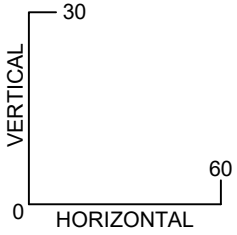
REFERENCE: GEOLOGIC MAP OF CALIFORNIA, FRESNO SHEET, PREPARED BY THE CALIFORNIA DIVISION OF MINES AND GEOLOGY, DATED 1965

* - DASHED INDICATES FEATURE BEYOND SECTION LINE

NOTE: ALL FINISH FLOOR (FF) ELEVATIONS ARE APPROXIMATE

SOIL CLASSIFICATION

GM:	SILTY GRAVEL
SP:	POORLY GRADED SAND
SM:	SILTY SAND
SC:	CLAYEY SAND
SP-SM:	POORLY GRADED SAND WITH SILT
CL:	LEAN CLAYS WITH SAND AND SANDY LEAN CLAYS
ML:	SANDY SILTS
SW-SM:	WELL GRADED SAND WITH SILT

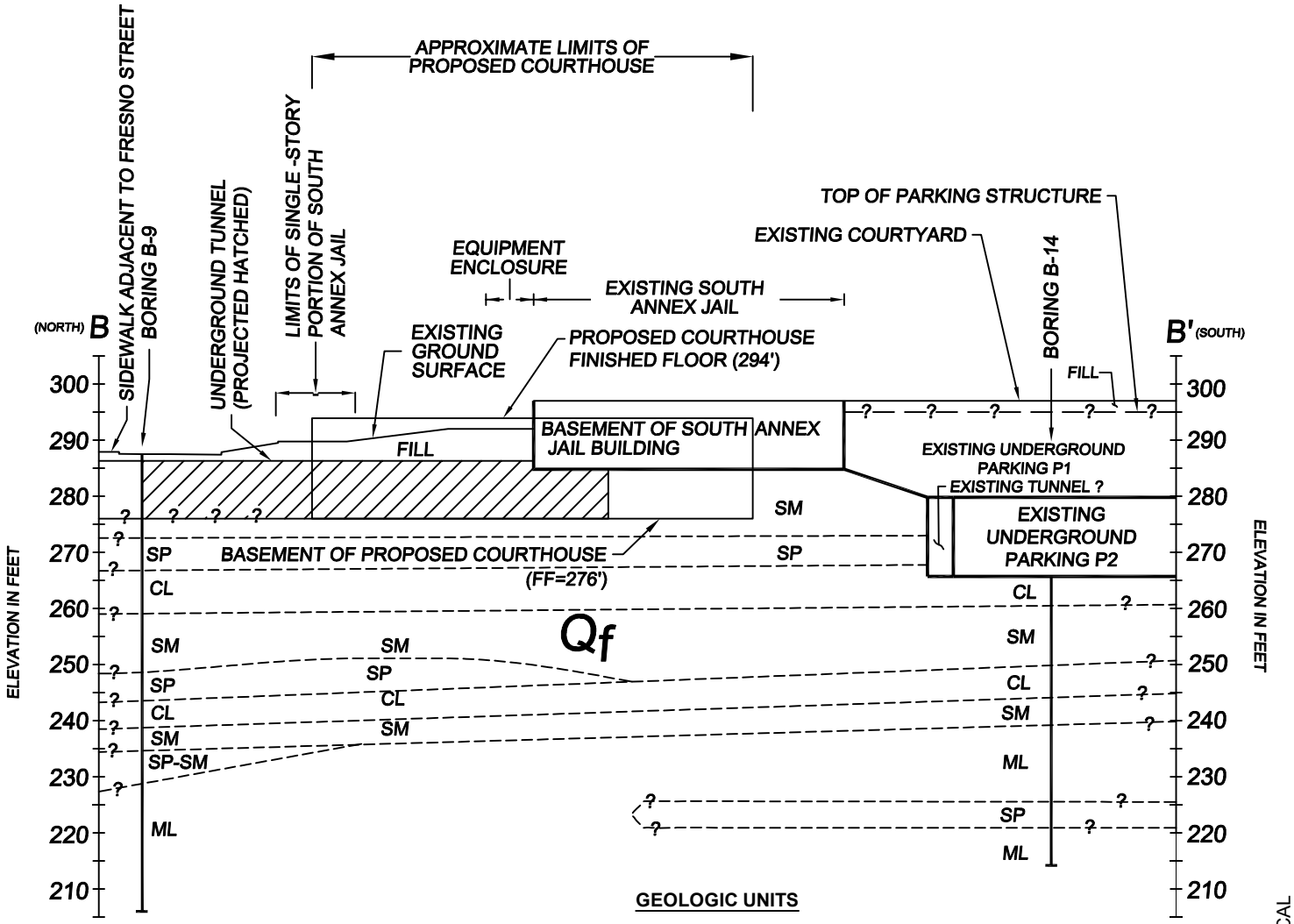


2X VERTICAL EXAGGERATION
APPROXIMATE SCALE IN FEET

GEOLOGIC SOIL PROFILE CROSS SECTION A-A'
PROPOSED COURTHOUSE - COURTHOUSE PARK
SOUTHEAST OF FRESNO STREET BETWEEN M STREET AND VAN NESS AVENUE
FRESNO, CALIFORNIA

FILE NO. 88004-01-02	DATE DRAWN: 03/24/2026
DRAWN BY: JE	APPROVED BY:
PROJECT NO. C88004.01-03	DRAWING NO. 10

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GEOLOGIC UNITS

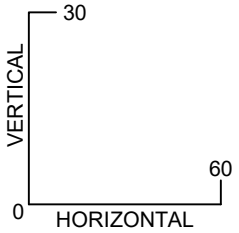
Q_f: RECENT ALLUVIAL FAN DEPOSITS OF THE GREAT VALLEY

SOIL CLASSIFICATION

SM:	SILTY SANDS
SC:	CLAYEY SANDS
SP-SM:	POORLY GRADED SANDS WITH SILT
SP:	POORLY GRADED SANDS
SW-SM:	WELL GRADED SANDS WITH SILT
CL:	SANDY LEAN CLAYS
ML:	SANDY SILTS

REFERENCE: GEOLOGIC MAP OF CALIFORNIA, FRESNO SHEET, PREPARED BY THE CALIFORNIA DIVISION OF MINES AND GEOLOGY, DATED 1965

NOTE: ALL FINISH FLOOR (FF) ELEVATIONS ARE APPROXIMATE



2X VERTICAL EXAGGERATION
APPROXIMATE SCALE IN FEET

GEOLOGIC SOIL PROFILE CROSS SECTION B-B'
PROPOSED COURTHOUSE - COURTHOUSE PARK
SOUTHEAST OF FRESNO STREET BETWEEN M STREET AND VAN NESS AVENUE
FRESNO, CALIFORNIA

FILE NO. 88004-02-02	DATE DRAWN: 03/24/2026
DRAWN BY: JE	APPROVED BY:
PROJECT NO. C88004.01-03	DRAWING NO. 11

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APPENDIX B

LOGS OF BORINGS

This appendix contains the final logs of borings. These logs represent our interpretation of the contents of the field logs and the results of the field and laboratory tests.

The logs and related information depict subsurface conditions only at these locations and at the particular time designated on the logs. Soil conditions at other locations may differ from conditions occurring at these test boring locations. Also, the passage of time may result in changes in the soil conditions at these test boring locations.

In addition, an explanation of the abbreviations used in the preparation of the logs and a description of the Unified Soil Classification System are provided at the end of Appendix B.

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-1

Project: Proposed Courthouse at Courthouse Park in Fresno, California

Project Number: C88004.01-01

Drilled By: J.S.

Drill Type: CME 75 Drill Rig

Auger Type: 6-5/8" O.D. Hollow Stem Augers

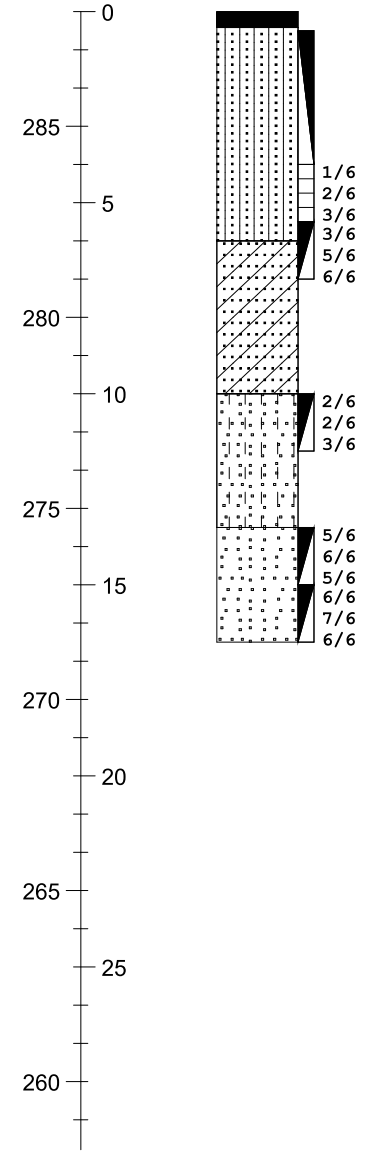
Hammer Type: 140 Pound Auto Trip

Logged By: A.V.

Date: July 11, 2023

Elevation: 288 feet

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		AC	Asphalt Concrete = 5 inches			
		SM	FILL - SILTY SAND; moist, fine to coarse grained, brown, with some gravel			
			Very loose		5	
			Medium dense		11	
		SC	NATIVE - CLAYEY SAND; medium dense, moist, fine to coarse grained, brown			
		SP-SM	POORLY GRADED SAND WITH SILT; loose, moist, fine to coarse grained, brown		5	
		SP	POORLY GRADED SAND; medium dense, moist, fine to coarse grained, light brown		11 13	
			Bottom of Boring B-1 at 16.5 feet			

Notes: *Upper 4 feet below pavement was hand augered.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-2

Project: Proposed Courthouse at Courthouse Park in Fresno, California

Project Number: C88004.01-01

Drilled By: J.S.

Logged By: A.V.

Drill Type: CME 75 Drill Rig

Date: July 11, 2023

Auger Type: 6-5/8" O.D. Hollow Stem Augers

Elevation: 290 feet

Hammer Type: 140 Pound Auto Trip

Depth to Groundwater First Encountered During Drilling: N/E

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
290 — 0		GM	FILL - SILTY GRAVEL WITH SAND; moist, fine to coarse gravel, brown			
		SP	FILL - POORLY GRADED SAND; moist, fine to coarse grained, brown			
		SM	NATIVE - SILTY SAND; moist, fine to coarse grained, brown			
285 — 5	2/6 3/6 5/6		Loose		8	
		SC	CLAYEY SAND; loose, moist, fine to medium grained, brown			
280 — 10	4/6 6/6 7/6	SM	SILTY SAND; loose, moist, fine to coarse grained, brown, with		13	
	3/6 3/6 3/6	SP	increasing sand content wiht depth		6	
			POORLY GRADED SAND; loose, moist, fine to coarse grained, light brown			
275 — 15	6/6 7/6 5/6		Medium dense		12	
270 — 20	22/6 50/5	SC	CLAYEY SAND; very dense, moist, fine to coarse grained, brown		>50	
		CL	SANDY LEAN CLAY; hard, moist, low plasticity, brown			
265 — 25	5/6 7/6 19/6		Very stiff		26	

Notes: *Boring was hand augered to a depth of 6.5 feet*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-2

Project: Proposed Courthouse at Courthouse Park in Fresno, California

Project Number: C88004.01-01

Drilled By: J.S.

Drill Type: CME 75 Drill Rig

Auger Type: 6-5/8" O.D. Hollow Stem Augers

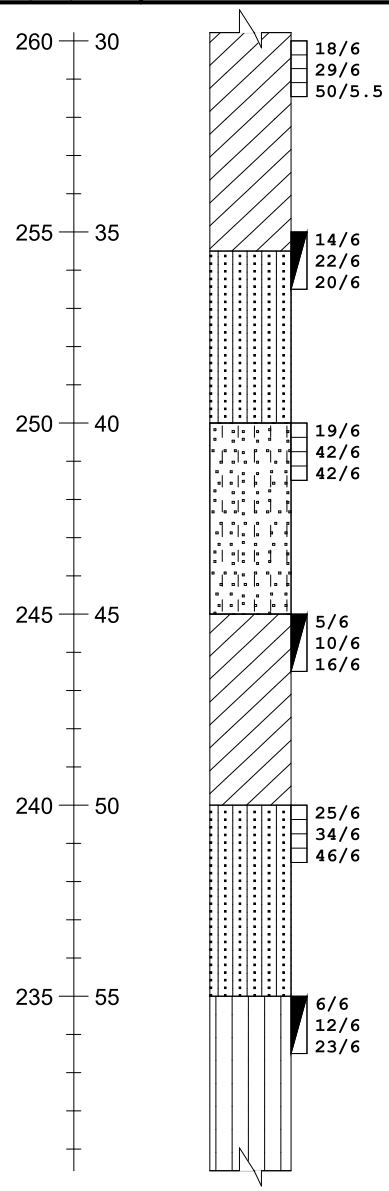
Hammer Type: 140 Pound Auto Trip

Logged By: A.V.

Date: July 11, 2023

Elevation: 290 feet

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
			Hard, decrease in sand content, increase in plasticity, with iron-oxide and manganese staining		>79	
		SM	SILTY SAND; dense, moist, fine to coarse grained, reddish brown		42	
		SP-SM	POORLY GRADED SAND WITH SILT; very dense, moist, fine to coarse grained, light reddish brown		84	
		CL	SANDY LEAN CLAY; very stiff, moist, low to medium plasticity, decrease in plasticity with depth, brown		26	
		SM	SILTY SAND; very dense, moist, fine to medium grained, brown, fines content increases with depth		80	
		ML	SANDY SILT; hard, damp, non-plastic to low plasticity, light brown		35	

Notes: *Boring was hand augered to a depth of 6.5 feet*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-2

Project: Proposed Courthouse at Courthouse Park in Fresno, California

Project Number: C88004.01-01

Drilled By: J.S.

Logged By: A.V.

Date: July 11, 2023

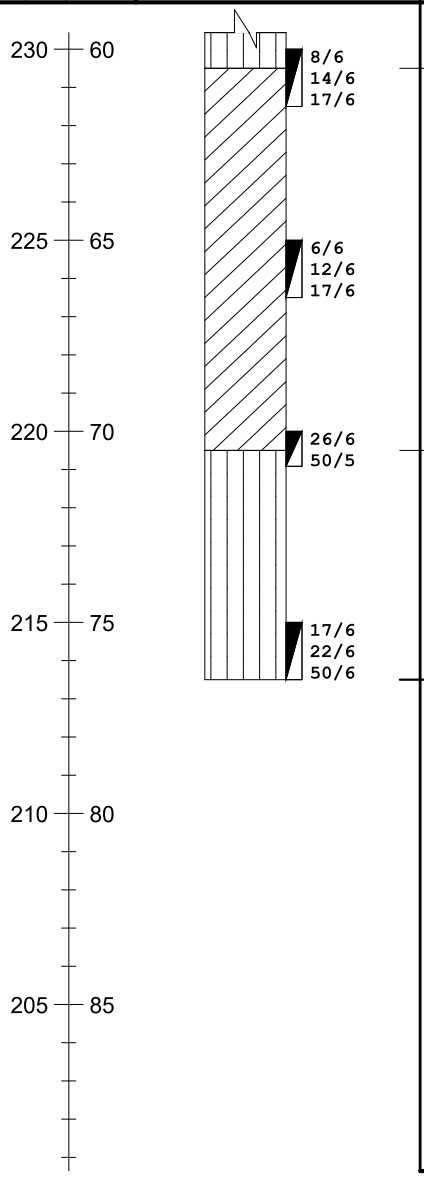
Drill Type: CME 75 Drill Rig

Elevation: 290 feet

Auger Type: 6-5/8" O.D. Hollow Stem Augers

Hammer Type: 140 Pound Auto Trip

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
	CL	SANDY LEAN CLAY; hard, damp, low to medium plasticity, reddish brown, with manganese staining		31	
		Very stiff		29	
		Hard		>50	
	ML	SANDY SILT; hard, damp, non-plastic to low plasticity, light grayish brown			
		With iron-oxide staining, with an interbedded half-inch silty sand lens		72	
		Bottom of Boring B-2 at 76.5 feet			

Notes: *Boring was hand augered to a depth of 6.5 feet*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-3

Project: Proposed Courthouse at Courthouse Park in Fresno, California

Project Number: C88004.01-01

Drilled By: J.S.

Logged By: S.R.

Drill Type: CME 75 Drill Rig

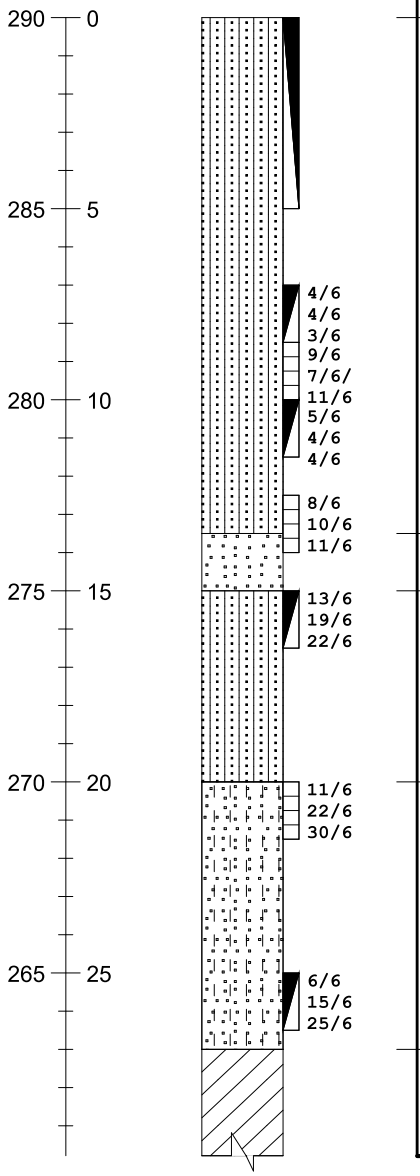
Date: July 10, 2023

Auger Type: 6-5/8" O.D. Hollow Stem Augers

Elevation: 290 feet

Hammer Type: 140 Pound Auto Trip

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
	SM	SILTY SAND; moist, fine grained, brown, with trace gravel			
		Loose		7	
		Medium dense, moist, fine to medium grained, brown		18	
		Loose		8	
		Medium dense		21	
	SP	POORLY GRADED SAND; medium dense, damp, fine to coarese grained, light brown		41	
	SM	SILTY SAND; dense, moist, fine to medium grained, trace coarse sand, grayish brown			
	SP-SM	POORLY GRADED SAND WITH SILT; dense, damp, medium to coarse grained, brown		52	
		Reddish-brown, trace clay		40	
	CL	LEAN CLAY WITH SAND; moist, medium plasticity, olive-brown			

Notes: *Boring was hand augered to a depth of 6 feet*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-3

Project: Proposed Courthouse at Courthouse Park in Fresno, California

Project Number: C88004.01-01

Drilled By: J.S.

Logged By: S.R.

Date: July 10, 2023

Drill Type: CME 75 Drill Rig

Elevation: 290 feet

Auger Type: 6-5/8" O.D. Hollow Stem Augers

Hammer Type: 140 Pound Auto Trip

Depth to Groundwater First Encountered During Drilling: N/E

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
260 — 30	22/6 20/6 50/5		Hard		>70	
		SP-SM	POORLY GRADED SAND WITH SILT; very dense, moist, fine to coarse grained, brown, with trace clay			
255 — 35	8/6 24/6 40/6	CL	LEAN CLAY WITH SAND; hard, moist, medium plasticity, brown		64	
250 — 40	4/6 16/6 37/6				53	
		SP	POORLY GRADED SAND; dense, moist, fine to medium grained, trace coarse sand, light brown			
		SM	SILTY SAND; moist, fine to medium grained, brown			
245 — 45	10/6 10/6 22/6	CL	LEAN CLAY WITH SAND; hard, moist, medium plasticity, olive-brown		32	
240 — 50	7/6 27/6 31/6				58	
			Bottom of Boring B-3 at 51.5 feet			
235 — 55						

Notes: *Boring was hand augered to a depth of 6 feet*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-4

Project: Proposed Courthouse at Courthouse Park in Fresno, California

Project Number: C88004.01-01

Drilled By: J.S.

Logged By: S.R.

Drill Type: CME 75 Drill Rig

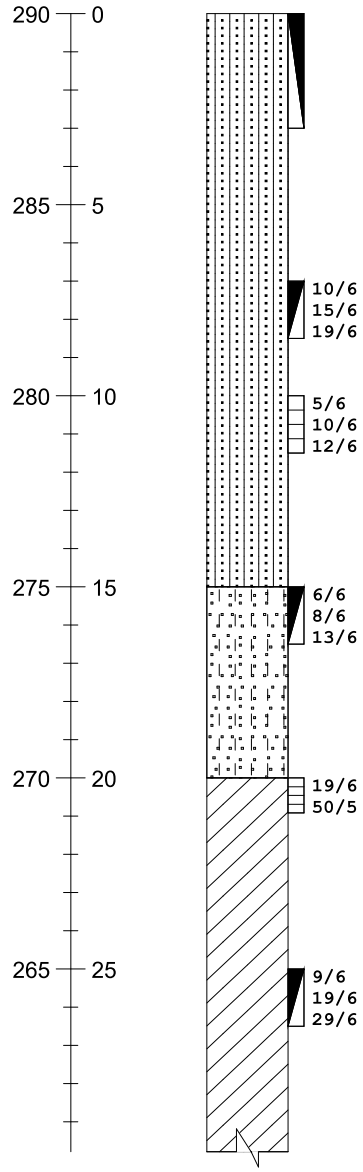
Date: July 10, 2023

Auger Type: 6-5/8" O.D. Hollow Stem Augers

Elevation: 290 feet

Hammer Type: 140 Pound Auto Trip

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
0	SM	SILTY SAND; moist, fine to medium grained, brown			
5		Dense		34	
10		Medium dense, increase in medium grained sand content	Increase in drilling resistance	22	
15	SP-SM	POORLY GRADED SAND WITH SILT; medium dense, moist, medium to coarse grained, trace fine sand, brown		21	
20	CL	SANDY LEAN CLAY; hard, moist, low to medium plasticity, brown		>50	
25		Increase in moisture content, medium to high plasticity		48	

Notes: *Boring was hand augered to a depth of 6 feet*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-4

Project: Proposed Courthouse at Courthouse Park in Fresno, California

Project Number: C88004.01-01

Drilled By: J.S.

Logged By: S.R.

Drill Type: CME 75 Drill Rig

Date: July 10, 2023

Auger Type: 6-5/8" O.D. Hollow Stem Augers

Elevation: 290 feet

Hammer Type: 140 Pound Auto Trip

Depth to Groundwater First Encountered During Drilling: N/E

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
260 — 30	23/6 50/4		Decrease in moisture content		>50	
		SP-SM	POORLY GRADED SAND WITH SILT; very dense, damp, medium to coarse grained, with trace fine sand, reddish brown			
255 — 35	10/6 23/6 36/6				59	
250 — 40	21/6 43/6 53/6				96	
		SM	SILTY SAND; very dense, moist, fine to medium grained, brown	High drilling resistance		
245 — 45			Bottom of Boring B-4 at 42 feet (Auger refusal due to high drilling resistance)			
240 — 50						
235 — 55						

Notes: *Boring was hand augered to a depth of 6 feet*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-5

Project: Proposed Courthouse at Courthouse Park in Fresno, California

Project Number: C88004.01-01

Drilled By: J.S.

Logged By: A.V.

Drill Type: CME 75 Drill Rig

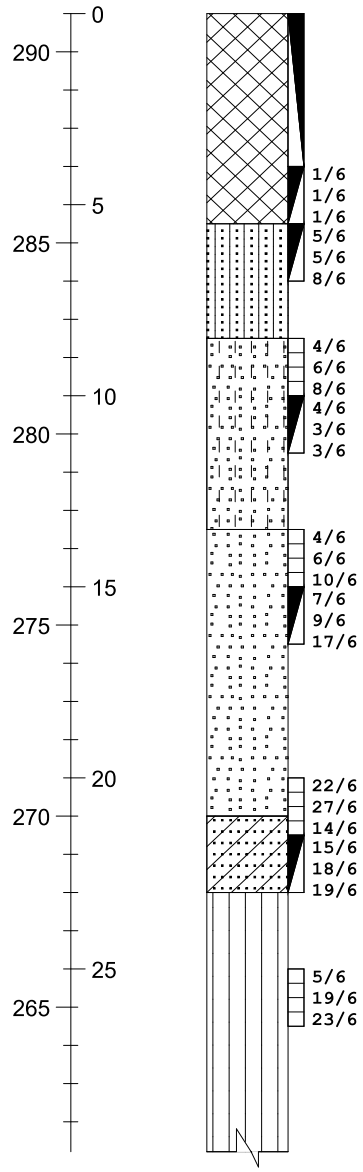
Date: July 7, 2023

Auger Type: 6-5/8" O.D. Hollow Stem Augers

Elevation: 291-1/2 feet

Hammer Type: 140 Pound Auto Trip

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
	FILL	FILL - SILTY SAND; moist, fine to coarse grained, brown, with trace gravel, with pieces of nails, with tree roots, trace clay			
		Very loose, increase in sand content		2	
	SM	NATIVE - SILTY SAND; medium dense, moist, fine to coarse grained, brown		13	
		At 6.8 feet - with seam of sandy lean clay		14	
	SP-SM	POORLY GRADED SAND WITH SILT; loose, moist, fine to coarse grained, brown		6	
	SP	POORLY GRADED SAND; loose, moist, fine to coarse grained, reddish brown		16	
		Medium dense		26	
				41	
	SC	CLAYEY SAND; medium dense, moist, fine to coarse grained, reddish brown		37	
	ML	Dense			
		SANDY SILT; hard, moist, non-plastic to low plasticity, light brown		42	
		Very stiff			

Notes: *Boring was hand augered to a depth of 4 feet*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-5

Project: Proposed Courthouse at Courthouse Park in Fresno, California

Project Number: C88004.01-01

Drilled By: J.S.

Drill Type: CME 75 Drill Rig

Auger Type: 6-5/8" O.D. Hollow Stem Augers

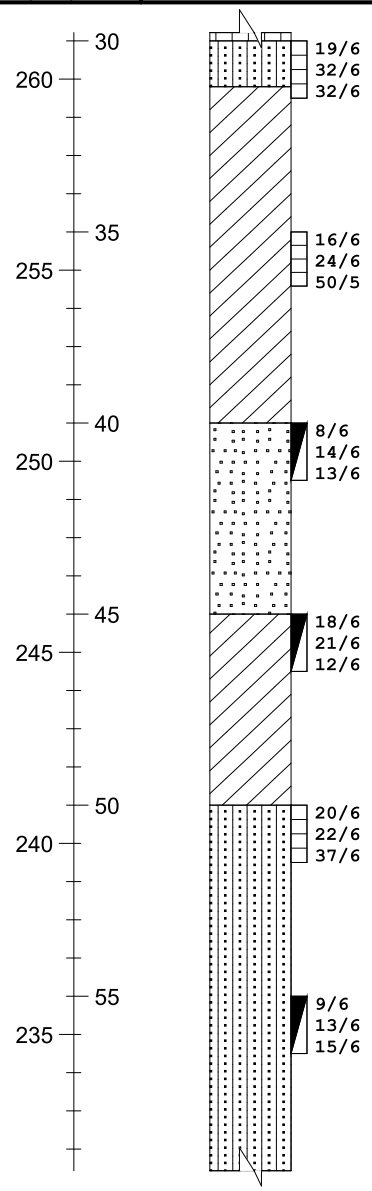
Hammer Type: 140 Pound Auto Trip

Logged By: A.V.

Date: July 7, 2023

Elevation: 291-1/2 feet

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		SM	SILTY SAND; dense, moist, fine to coarse grained, reddish brown		64	
		CL	At 31.2 feet - SANDY LEAN CLAY; hard, moist, low plasticity, brown			
			Increase in plasticity		>74	
		SP	POORLY GRADED SAND; medium dense, moist, fine to coarse grained, reddish brown		27	
		CL	SANDY LEAN CLAY; hard, moist, low plasticity, brown		33	
		SM	SILTY SAND; dense, moist, fine to medium grained, light brown, with manganese staining, high fines content		59	
			Medium dense, increase in sand content		28	

Notes: *Boring was hand augered to a depth of 4 feet*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-5

Project: Proposed Courthouse at Courthouse Park in Fresno, California

Project Number: C88004.01-01

Drilled By: J.S.

Logged By: A.V.

Drill Type: CME 75 Drill Rig

Date: July 7, 2023

Auger Type: 6-5/8" O.D. Hollow Stem Augers

Elevation: 291-1/2 feet

Hammer Type: 140 Pound Auto Trip

Depth to Groundwater First Encountered During Drilling: N/E

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
60 / 230	7/6, 14/6, 15/6	SP	POORLY GRADED SAND; medium dense, moist, fine to coarse grained, light brown		29	
65 / 225	9/6, 13/6, 17/6		Redish brown, slight increase in fines content		30	
70 / 220	33/6, 50/3	SM	SILTY SAND; very dense, moist, fine to medium grained, brown, with moderate cementation, trace clay		>50	
75 / 215	4/6, 14/6, 18/6		Dense		32	
		ML	SANDY SILT; hard, moist, non-plastic, light brown			
80 / 210			Bottom of Boring B-5 at 76.5 feet			
85 / 205						

Notes: *Boring was hand augered to a depth of 4 feet*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-6

Project: Proposed Courthouse at Courthouse Park in Fresno, California

Project Number: C88004.01-01

Drilled By: J.S.

Logged By: A.V.

Date: July 7, 2023

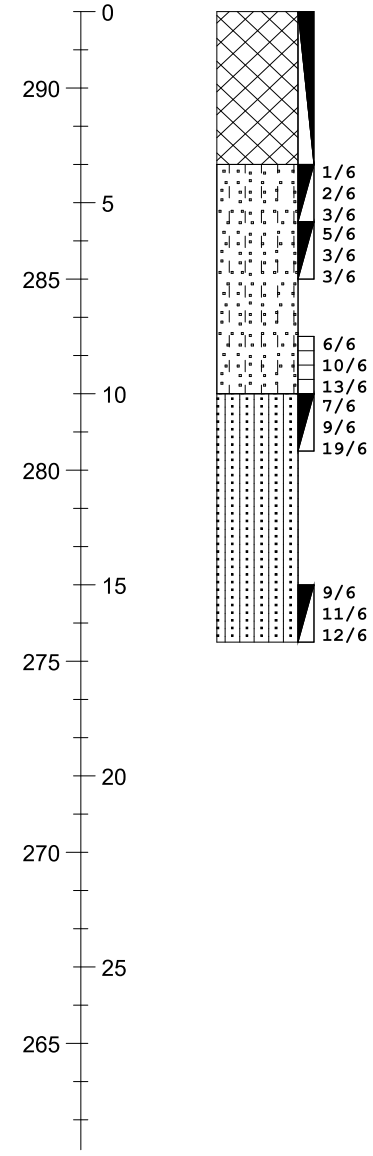
Drill Type: CME 75 Drill Rig

Elevation: 292-1/2 feet

Auger Type: 6-5/8" O.D. Hollow Stem Augers

Hammer Type: 140 Pound Auto Trip

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		FILL	FILL - POORLY GRADED SAND WITH SILT; moist, fine to coarse grained, brown, with roots to a depth of 2 feet			
		SP-SM	At 4 feet - NATIVE - POORLY GRADED SAND WITH SILT; loose, moist, fine to coarse grained, brown		5 6	
			Medium dense		23	
		SM	SILTY SAND; medium dense, moist, fine grained, light brown, with interbedded seams of sandy silt			
					23	
			Bottom of Boring B-6 at 16.5 feet			

Notes: *Boring was hand augered to a depth of 4 feet*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-7

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

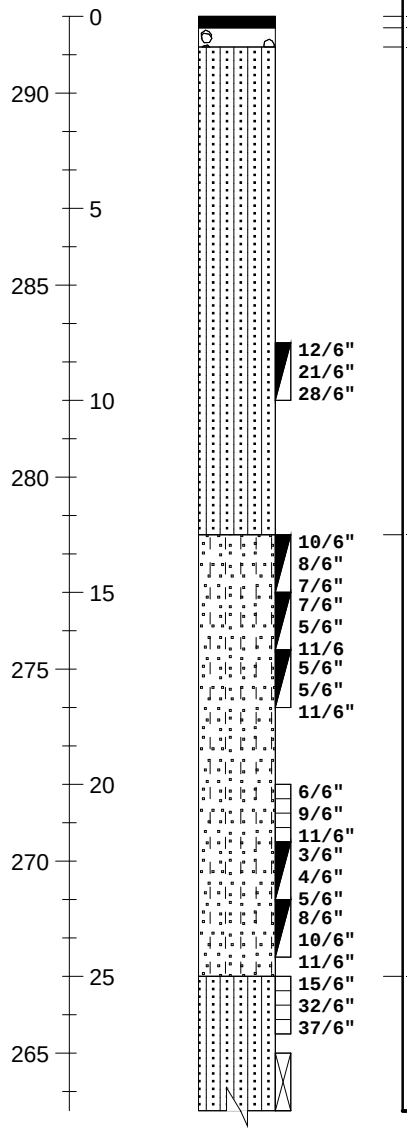
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 11/26/2025

Elevation: 292 ft.

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		AC	ASPHALT CONCRETE = 2.5 INCHES THICKNESS			
		AB	AGGREGATE BASE = 6.5 INCHES THICKNESS			
		SM	SILTY SAND; moist, fine-to-medium grained sand, dark brown			
			Dense, fine-grained sand, increased fine sand with depth	-200 = 42.1% Sand = 57.9%	49	9.9
		SP-SM	POORLY GRADED SAND with Silt; medium dense, moist, medium-to-coarse grained sand, brown		15 12	4.9
			Fine-to-medium grained sand, light brown	-200 = 6.2% Sand = 93.8%	16	
				DD = 99.1 pcf	20	3.6
			Loose, medium grained sand		9	
			Medium dense, fine-to-medium grained sand, reddish-brown		21	7.1
		SM	SILTY SAND; dense, moist, fine to medium grained sand, brown	DD = 112.6 pcf -200 = 13.4% Sand = 86.6%	69	9.3

Notes: *Potholed to 5.5 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Paved parking lot.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-7

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

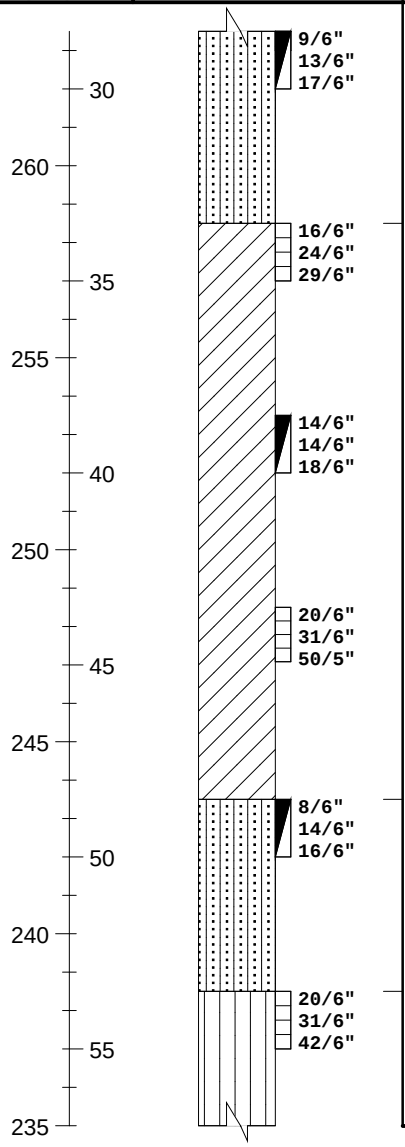
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 11/26/2025

Elevation: 292 ft.

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		Medium dense, moist, fine grained sand, reddish-brown, with thin interbedded clay lenses		30	
	CL	LEAN CLAY; hard, moist, low-to-medium plasticity, reddish-brown with tannish-brown seams	DD = 104.7 pcf ø = 36° c = 460 psf	53	20.6
		With interbedded lenses of fine-grained silty sand, with iron-oxide staining		32	
		Low plasticity, reddish-brown, increased sand content	DD = 117.8 pcf	>50	11.9
	SM	SILTY SAND; medium dense, moist, fine-grained sand, brown		30	
	ML	SANDY SILT; hard, moist, with fine-grained sand, trace clay, grayish-brown	DD = 89.3 pcf	73	18.4

Notes: *Potholed to 5.5 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Paved parking lot.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-7

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

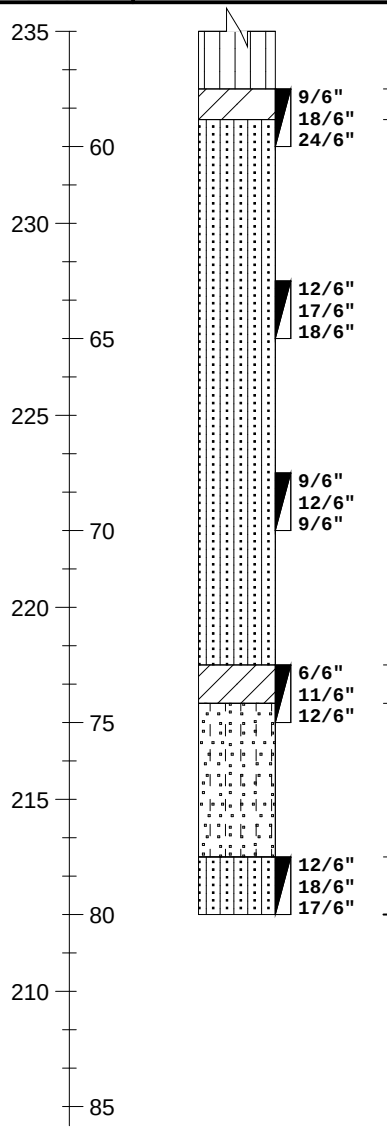
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 11/26/2025

Elevation: 292 ft.

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		CL	LEAN CLAY; hard, moist, low-to-medium plasticity, tannish-brown		42	
		SM	SILTY SAND; dense, moist, fine-grained sand, brown			
			Fine-grained sand, trace clay, reddish-brown		35	
			Medium dense, with interbedded tannish-brown clay		21	
		CL	LEAN CLAY; very stiff, moist, low-to-medium plasticity, tannish-brown with iron-oxide staining		23	
		SP-SM	POORLY GRADED SAND WITH SILT; medium dense, moist, fine-to medium grained sand, light brown			
		SM	SILTY SAND; dense, moist, fine-grained sand, light brown, with thin interbedded clay lenses		35	
			Bottom of boring B-7 at 80 feet BSG.			

Notes: *Potholed to 5.5 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Paved parking lot.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-8

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

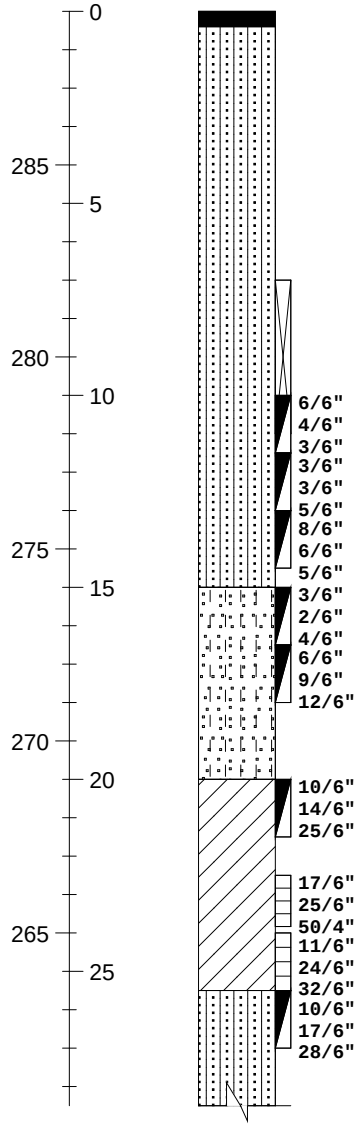
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 11/25/2025

Elevation: 289 ft.

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		AC	ASPHALT CONCRETE = 5.0 INCHES THICKNESS	El = 0 RV = 44 SR = 21,000 ohm-cm pH = 8.0 SS = 0.0018% Cl = ND		
		SM	SILTY SAND; moist, fine-to-medium grained sand, dark brown	PI = NP LL = NV ø = 31° c = 280 psf -200 = 26.5% Sand = 69.9% +4 = 3.6%	7	6.7
			Loose		8	
			Medium dense, fine grained sand		11	
		SP-SM	POORLY GRADED SAND WITH SILT; loose, moist, fine-to-coarse grained sand		6	
			Medium dense, reddish-brown		21	
		CL	SANDY LEAN CLAY; hard, moist, low-to-medium plasticity, tannish-brown with iron-oxide staining	PI= 10 LL = 26 -200 = 70.8% Sand = 29.2% DD = 93.3 pcf	39	
					>50	27.5
			With thin lenses of interbedded reddish-brown fine-grained sand	DD = 102.6 pcf	56	20.2
		SM	SILTY SAND; dense, moist, fine-grained sand, reddish-brown		45	

Notes: *Potholed to 6 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Paved parking lot.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-8

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

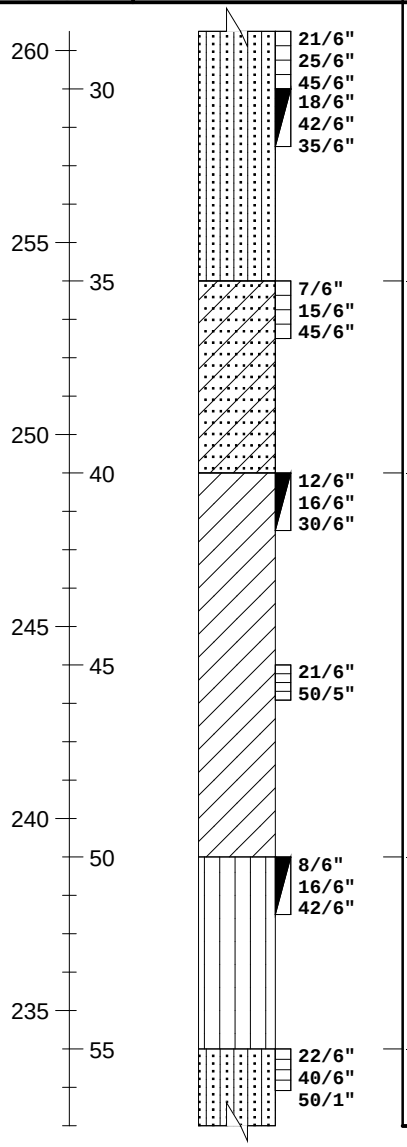
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 11/25/2025

Elevation: 289 ft.

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		Very dense	DD = 111.3 pcf	70 77	6.1
	SC	CLAYEY SAND; dense, moist, fine-grained sand, brown	DD = 109.9 pcf	60	16.6
	CL	LEAN CLAY; hard, moist, low plasticity, reddish-brown		46	
		Tannish-brown with iron-oxide staining, moderate cementation	DD = 94.6 pcf	>50	27.6
	ML	SILT; hard, moist, with interbedded fine-grained sand, grayish-brown		58	
	SM	SILTY SAND; very dense, moist, fine grained, brown, with	DD = 106.5 pcf	>50	13.9

Notes: *Potholed to 6 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Paved parking lot.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-8

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

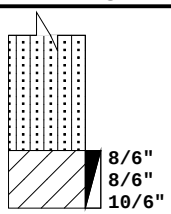
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 11/25/2025

Elevation: 289 ft.

Depth to Groundwater First Encountered During Drilling: N/E

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
230 / 60	 8/6" 8/6" 10/6"		interbedded grayish-brown silt			
		CL	SANDY LEAN CLAY; very stiff, moist, with fine-grained sand, low-to-medium plasticity, reddish-brown		18	
225 / 65			Bottom of boring B-8 at 61.5 feet BSG.			
220 / 70						
215 / 75						
210 / 80						
205 / 85						

Notes: *Potholed to 6 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Paved parking lot.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-9

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

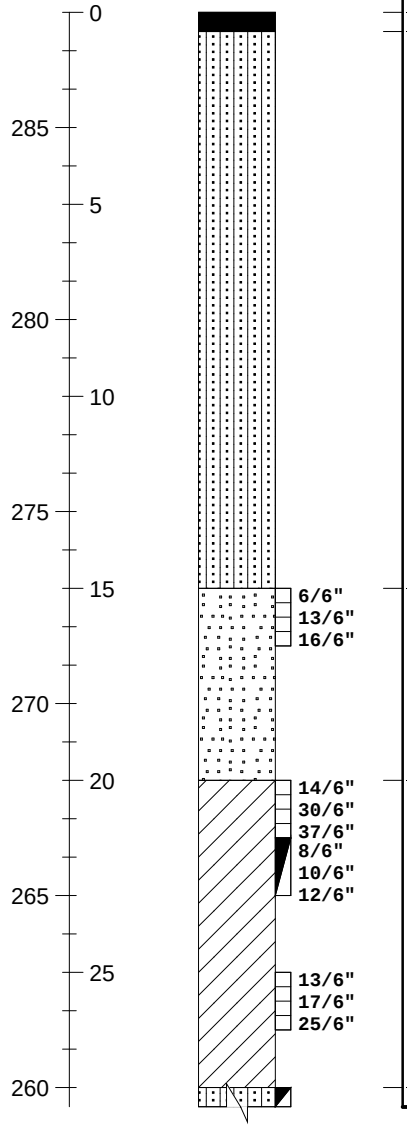
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 11/24/2025

Elevation: 288 ft.

Depth to Groundwater First Encountered During Drilling: See Note *



ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		AC	ASPHALT CONCRETE = 4.0 INCHES THICKNESS			
		SM	SILTY SAND; moist, fine-to-medium grained sand, dark brown, trace clay			
15	6/6" 13/6" 16/6"	SP	POORLY GRADED SAND; medium dense, moist, medium-to-coarse grained, reddish-brown	DD = 110.5 pcf	29	6.9
20	14/6" 30/6" 37/6"	CL	LEAN CLAY; hard, moist, low to medium plasticity, light brown	DD = 109.1 pcf PI = 17 LL = 29 EI = 28 SR = 3,500ohm-cm pH = 7.9 SS = 0.0057% Cl = ND	67	16.0
	8/6" 10/6" 12/6"		Very stiff, reddish-brown		22	
25	13/6" 17/6" 25/6"		Very stiff, weak cementation, increased sand content	DD = 104.9 pcf	42	16.4

Notes: *Potholed to 14 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Paved parking lot. * Sample from 65 to 66.5 feet BSG was saturated, suspected zone of perched water.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-9

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

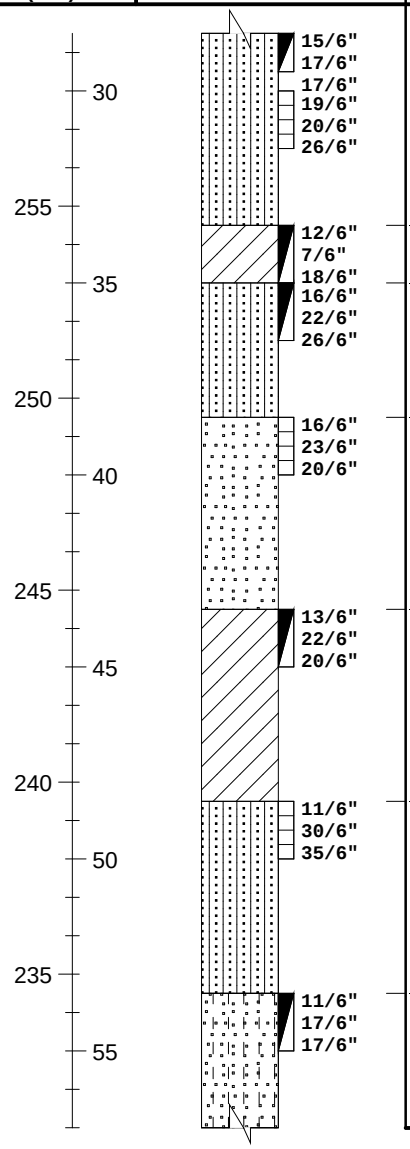
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 11/24/2025

Elevation: 288 ft.

Depth to Groundwater First Encountered During Drilling: See Note *



ELEVATION/ DEPTH (feet)	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
	SM	SILTY SAND; dense, moist, medium-grained sand, reddish-brown		34	
		Medium dense, fine-grained sand, brown	DD = 103.9 pcf	46	17.1
		Reddish-brown			
	CL	SANDY LEAN CLAY; very stiff, moist, low plasticity, reddish-brown		25	
	SM	SILTY SAND; dense, moist, fine-grained sand, reddish-brown		48	
	SP	POORLY GRADED SAND; medium dense, moist, fine-to-medium grained sand, light brown	DD = 112.6 pcf	43	8.8
	CL	LEAN CLAY; hard, moist, low plasticity, light brown		42	
	SM	SILTY SAND; dense, moist, fine-grained sand, brown	DD = 106.6 pcf	65	17.4
	SP-SM	POORLY GRADED SAND WITH SILT; dense, moist, fine-grained sand, brown with dark gray staining		34	

Notes: *Potholed to 14 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Paved parking lot. * Sample from 65 to 66.5 feet BSG was saturated, suspected zone of perched water.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-9

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

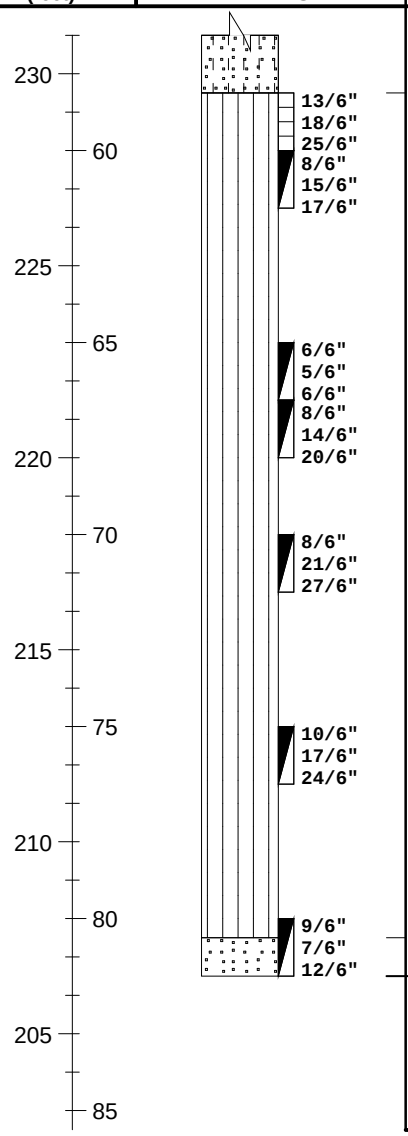
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 11/24/2025

Elevation: 288 ft.

Depth to Groundwater First Encountered During Drilling: See Note *



ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		ML	SILT; hard, moist, non-plastic, dark brown		43	32.1
			Reddish-brown, increased fine-grained sand		32	
			Stiff, wet (perched water?)		11	
			Hard, very moist, decreased sand, weak cementation		34	
			Moist, brown with iron-oxide staining		48	
			Increasing fine-grained sand		41	
		SP	POORLY GRADED SAND; medium dense, moist, fine-grained sand, brown		19	
			Bottom of boring B-9 at 81.5 feet BSG.			

Notes: *Potholed to 14 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Paved parking lot. * Sample from 65 to 66.5 feet BSG was saturated, suspected zone of perched water.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-10

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

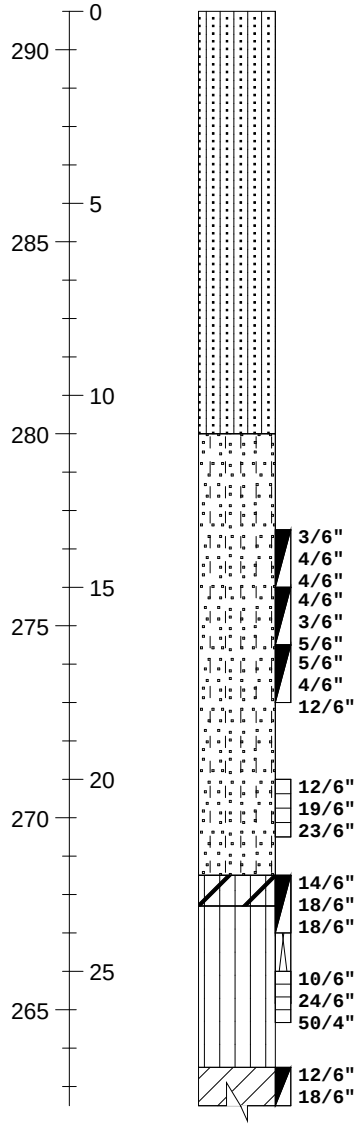
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 12/4/2025

Elevation: 291 ft

Depth to Groundwater First Encountered During Drilling: See Note *



ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		SM	SILTY SAND; moist, fine-to-medium grained sand, dark brown			
		SP-SM	POORLY GRADED SAND with Silt, moist, medium-grained sand, light brown			
			Loose, with coarse-grained sand	-200 = 5.8% Sand = 92.5% +4 = 2.7%	8	4.0
			Increased moisture, trace silt		8	
			Medium dense		16	
				DD = 117.7 pcf -200 = 9.7% Sand = 87.3% +4 = 3.0%	42	7.8
		CL-ML	SILTY CLAY, hard, moist, with medium grained sand, reddish-brown, low plasticity	@ 22.5 ft BSG PI = 7 LL = 26 -200 = 89.9% Sand = 10.1% @ 25 ft BSG DD = 94.1 pcf	36	
		ML	SILT; hard, moist, slight plasticity, olivish-brown		>50	26.2
		CL	With iron-oxide staining, weak cementation		53	

Notes: *Potholed to 10.5 feet, encountering PVC pipe utility at 1-ft BSG, relocated boring about 5 ft. Visually logged sidewall to about 4 ft and backfilled with aggregate base prior to drilling. * Sample from 65 to 66.5 feet BSG was saturated, suspected zone of perched water.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-10

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

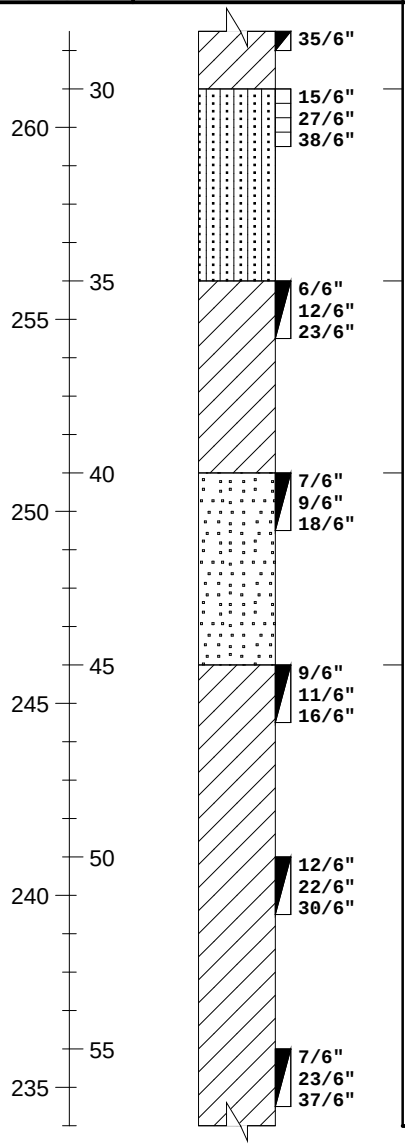
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 12/4/2025

Elevation: 291 ft

Depth to Groundwater First Encountered During Drilling: See Note *



ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		SM	LEAN CLAY; hard, moist, low plasticity, tannish-brown with iron-oxide staining	DD = 110.1 pcf	65	16.4
			SILTY SAND; dense, moist, fine-grained sand, brown			
		CL	LEAN CLAY; hard, moist, medium plasticity, reddish-brown	PI = 13 LL = 25	35	
		SP	POORLY GRADED SAND; medium dense, moist, fine-grained sand, light brown with iron oxide staining		27	
		CL	SANDY LEAN CLAY; very stiff, moist, low-to-medium plasticity, brown		27	
			Hard, tannish-brown		52	
					60	

Notes: *Potholed to 10.5 feet, encountering PVC pipe utility at 1-ft BSG, relocated boring about 5 ft. Visually logged sidewall to about 4 ft and backfilled with aggregate base prior to drilling. * Sample from 65 to 66.5 feet BSG was saturated, suspected zone of perched water.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-10

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

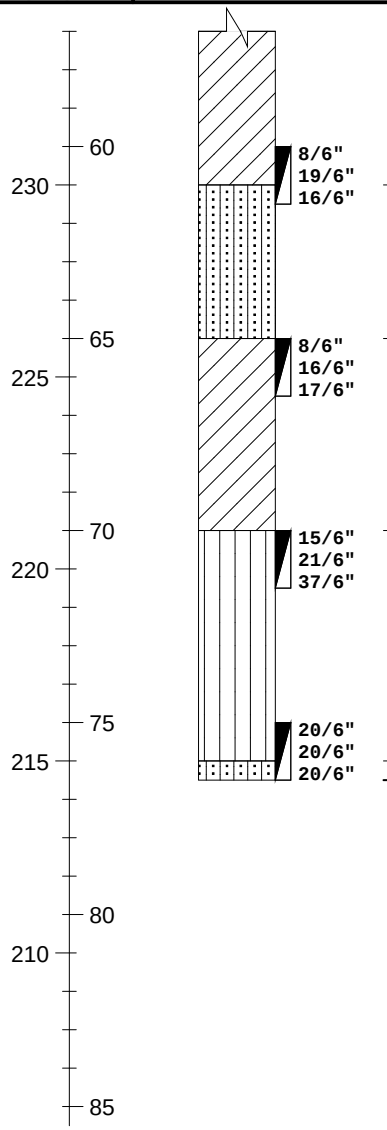
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 12/4/2025

Elevation: 291 ft

Depth to Groundwater First Encountered During Drilling: See Note *



ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		SM	SILTY SAND; dense, moist, fine-grained sand, brown		35	
		CL	LEAN CLAY; hard, wet (perched water?), low-to-medium plasticity, reddish-brown		33	
		ML	SANDY SILT; hard, moist, non plastic, olive-brown with interbedded reddish-brown, moderate cementation		58	
		SM	SILTY SAND; dense, moist, fine grained sand, light brown		40	
			Bottom of boring B-10 at 76.5 BSG.			

Notes: *Potholed to 10.5 feet, encountering PVC pipe utility at 1-ft BSG, relocated boring about 5 ft. Visually logged sidewall to about 4 ft and backfilled with aggregate base prior to drilling. * Sample from 65 to 66.5 feet BSG was saturated, suspected zone of perched water.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-11

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

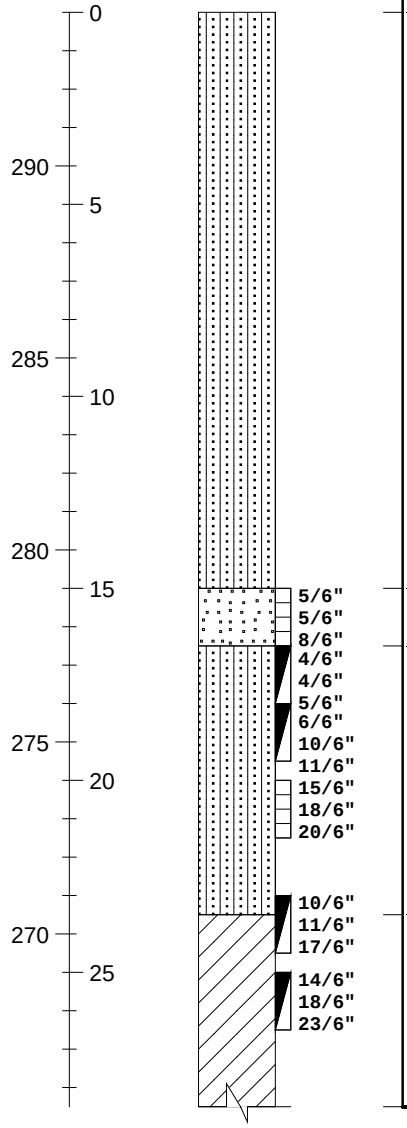
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 12/5/2025

Elevation: 294 ft.

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
0	SM	SILTY SAND; moist, fine-to-medium grained sand, brown			
10		Some clay			
15	SP	POORLY GRADED SAND; loose, moist, fine-to-medium grained sand, brown	DD = 120.8 pcf -200 = 5.0% Sand = 93.8% +4 = 1.2%	13	4.5
	SM	SILTY SAND; loose, moist, fine-to-medium grained sand, brown		9	
20		Medium dense, increased fine grained sand		21	
		Increased moisture, medium-to-coarse grained sand and trace fine gravel	DD = 112.3 pcf	38	8.8
25	CL	SANDY LEAN CLAY; very stiff, moist, with fine-grained sand, low plasticity, tannish-brown with iron-oxide staining	PI = 10 LL = 24	28	
		Hard, decreased sand content		41	29.6

Notes: *Potholed to 11 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Grass landscaped area.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-11

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 12/5/2025

Elevation: 294 ft.

Depth to Groundwater First Encountered During Drilling: N/E

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
265 / 30	13/6" 31/6" 35/6"	SM	SILTY SAND; dense, moist, fine-grained sand, brown		66	25.4
260 / 35	11/6" 15/6" 15/6"	CL	SANDY LEAN CLAY; very stiff, moist, with fine-grained sand, low-to-medium plasticity, dark reddish-brown		30	
255 / 40	10/6" 14/6" 35/6"	SM	SILTY SAND; dense, moist, fine-grained sand, reddish-brown, with thin interbedded cemented lens		49	
250 / 45	16/6" 37/6" 50/2"	SC	CLAYEY SAND; very dense, moist, fine-grained sand, reddish brown	DD = 114.9 pcf	>50	14.9
245 / 50	9/6" 11/6" 10/6"	SM CL	SILTY SAND; medium dense, moist, fine-to-medium grained sand, brown LEAN CLAY; very stiff, moist, low-to-medium plasticity, tannish-brown		21	
240 / 55	10/6" 18/6" 21/6"	SP-SM	POORLY GRADED SAND WITH SILT; dense, moist, fine grained, light brown		39	

Notes: *Potholed to 11 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Grass landscaped area.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-11

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

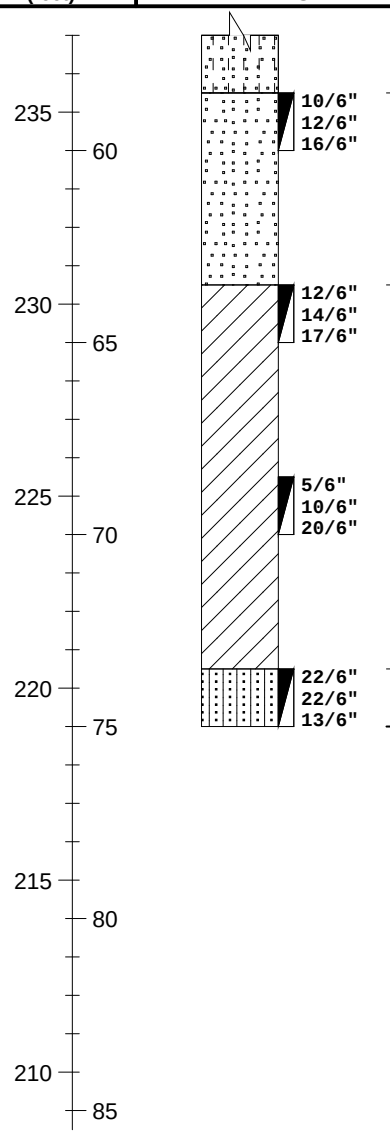
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 12/5/2025

Elevation: 294 ft.

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		SP	POORLY GRADED SAND; medium dense, moist, fine-grained sand, light brown with bands of reddish-brown and gray		28	
		CL	LEAN CLAY; hard, moist, low-to-medium plasticity, brown		31	
			Very stiff, tannish-brown Increased sand content, reddish-brown		30	
		SM	SILTY SAND; dense, moist, fine-grained sand, brown		35	
			Bottom of boring B-11 at 75 feet BSG.			

Notes: *Potholed to 11 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Grass landscaped area.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-12

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

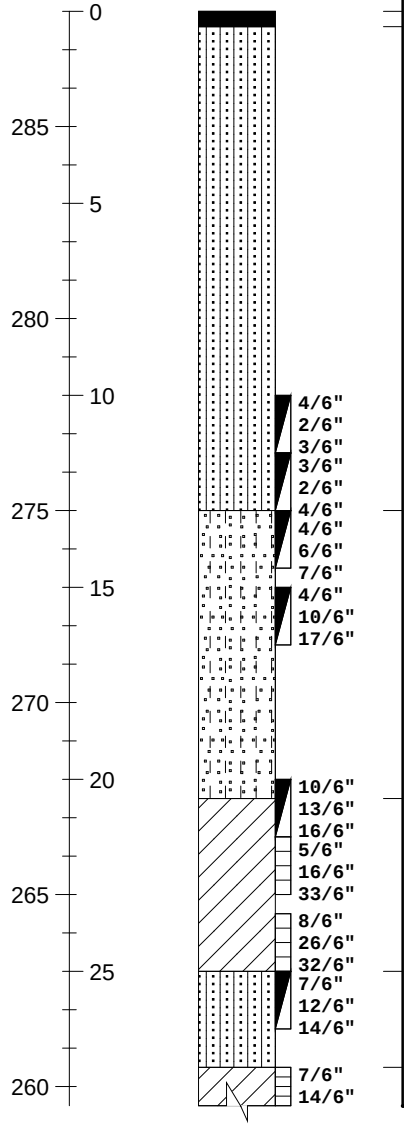
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 11/18/2025

Elevation: 288 ft.

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
0	AC	ASPHALTIC CONCRETE = 3.75 INCHES THICKNESS			
	SM	SILTY SAND; moist, fine-to-medium grained sand, dark brown	-200 = 25.0% Sand = 74.2% +4 = 0.8% RV = 55 SR = 22,000 ohm-cm pH = 7.8 SS = 0.0014% Cl = ND		
285					
5					
280					
10		Loose	-200 = 21.3% Sand = 78.1% +4 = 0.6%	5	6.1
		Fine-to-coarse grained sand		6	
275				13	
	SP-SM	POORLY GRADED SAND WITH SILT; medium dense, moist, medium-to-coarse grained, trace fine gravel, dark brown		27	5.0
15		Reddish-brown			
270					
20				29	
	CL	LEAN CLAY; very stiff, moist, low plasticity, light brown with iron-oxide staining	PI = 9 LL = 24 ø = 35° c = 390 psf -200 = 76.9%	49	23.1
265		Hard, with fine-grained sand, low plasticity, light brown with iron-oxide staining		58	19.4
25	SM	SILTY SAND; medium dense, moist, fine-grained sand, brown	Sand = 22.7% +4 = 0.4% @ 23.5 ft BSG DD = 105.7 pcf	26	
260	CL	SANDY LEAN CLAY; hard, moist,	DD = 118.1 pcf	47	22.9

Notes: *Potholed to 12 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Paved parking lot.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-12

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

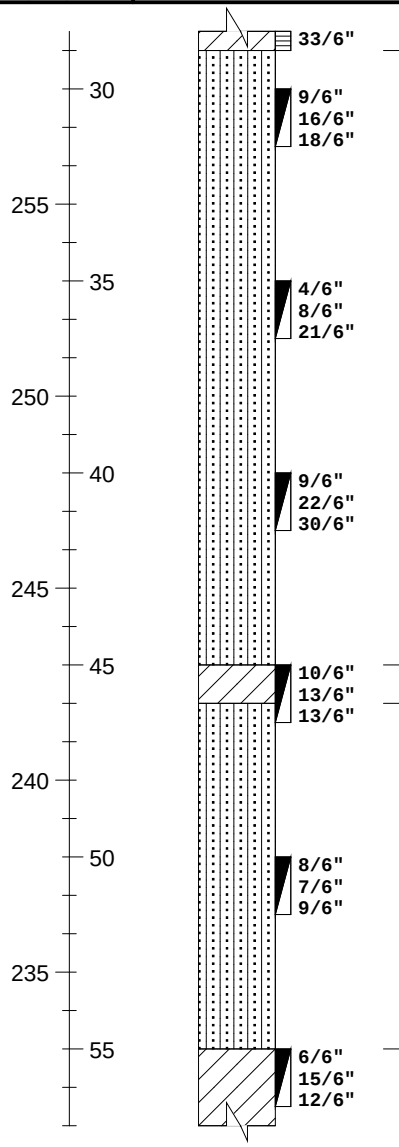
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 11/18/2025

Elevation: 288 ft.

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
	SM	with fine-grained sand, low to medium plasticity, tannish-brown with iron-oxide staining	ø = 42° c = 320 psf	34	
		SILTY SAND; moist, fine grained, reddish-brown Dense			
		Medium dense, with interbedded lenses of clay		29	
		Very dense, fine-to-medium grained sand		52	
	CL	LEAN CLAY; very stiff, moist, low plasticity, tannish-brown	PI = 9 LL - 31	26	
	SM	SILTY SAND; medium dense, moist, fine-grained sand, light brown			
		With interbedded cemented lenses		16	
	CL	SANDY LEAN CLAY; very stiff, moist, with fine-grained sand, low		27	

Notes: *Potholed to 12 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Paved parking lot.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-12

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

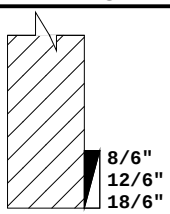
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 11/18/2025

Elevation: 288 ft.

Depth to Groundwater First Encountered During Drilling: N/E

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
230 / 60	 8/6" 12/6" 18/6"		plasticity, brown			
			Increased plasticity, reddish-brown		30	
225 / 65			Bottom of boring B-13 at 61.5 feet BSG.			
220 / 70						
215 / 75						
210 / 80						
205 / 85						

Notes: *Potholed to 12 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Paved parking lot.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-13

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

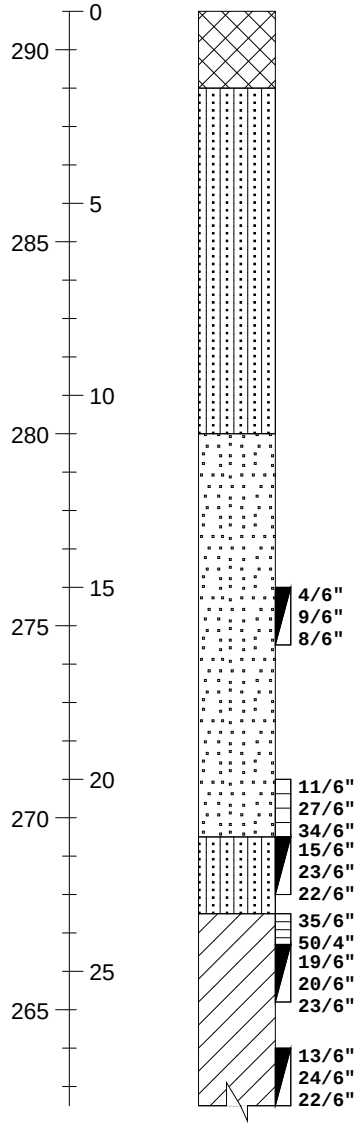
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 12/3/2025

Elevation: 291 ft.

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
	FILL	FILL-SILTY SAND; moist, fine-to-medium grained sand and some fine gravel, brown			
	SM	NATIVE-SILTY SAND; moist, fine-to-medium grained sand, brown			
	SP	POORLY GRADED SAND; damp, fine-grained sand, light brown			
		Medium dense, medium-to-coarse grained sand		17	2.0
		Dense	DD = 115.4 pcf -200 = 16.9% Sand = 79.3% +4 = 3.8%	61	4.2
	SM	SILTY SAND; dense, damp, fine-to-medium grained sand, reddish brown, with trace clay		55	
	CL	LEAN CLAY; hard, damp, medium plasticity, light brown with iron-oxide staining	DD = 97.4 pcf PI = 11 LL = 30	>50 43	21.2
		with interbedded thin lens of reddish-brown silty sand		46	

Notes: *Potholed to 10.5 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Landscaped planter area.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-13

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

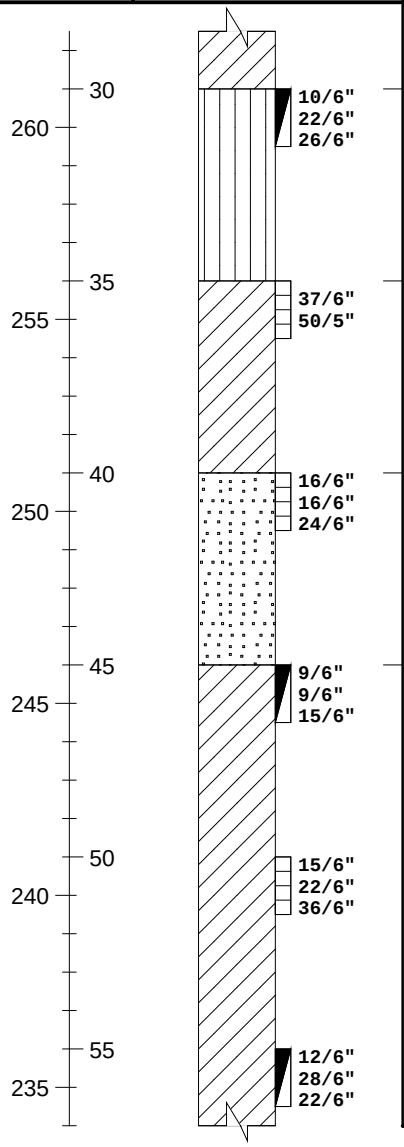
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 12/3/2025

Elevation: 291 ft.

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
	ML	SILT; hard, damp, slight plasticity, brown		48	18.2
	CL	SANDY LEAN CLAY; hard, damp, low plasticity, brown, strong cementation	DD = 124.6 pcf	>50	6.3
	SP	POORLY GRADED SAND; medium dense, damp, fine grained, light brown	DD = 97.4 pcf	40	2.3
	CL	SANDY LEAN CLAY; very stiff, moist, with fine-grained sand, low-to-medium plasticity, brown		24	
		Hard, low plasticity	DD = 107.9 pcf PI = 6 LL = 20	58	16.9
		Interbedded fine-grained sand		50	

Notes: *Potholed to 10.5 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Landscaped planter area.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-13

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: JS

Drill Type: CME 75

Auger Type: 6-5/8" O.D. Hollow Stem Auger

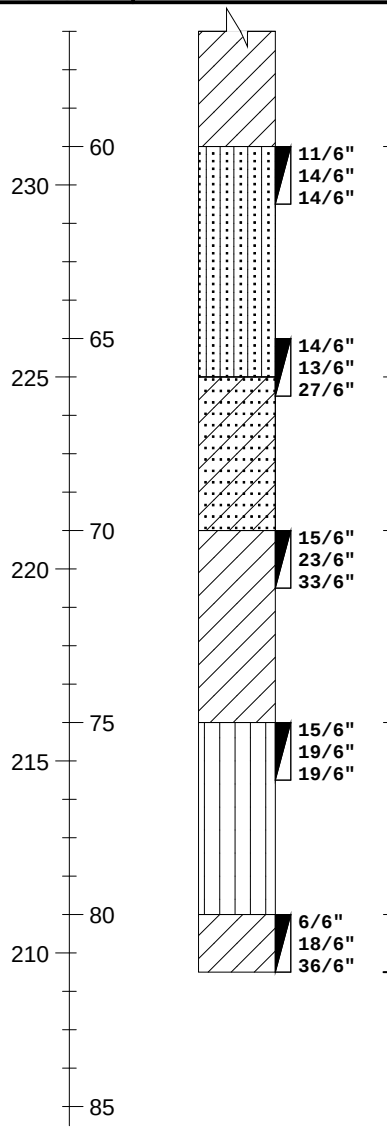
Hammer Type: 140 Pound Auto Trip

Logged By: GM

Date: 12/3/2025

Elevation: 291 ft.

Depth to Groundwater First Encountered During Drilling: N/E



ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		SM	SILTY SAND; medium dense, moist, fine-grained sand, brown, some clay		28	
			Dense, fine-to-coarse grained		40	
		SC	CLAYEY SAND; dense, moist, fine-grained sand, slight plasticity, reddish-brown			
		CL	SANDY LEAN CLAY; hard, moist, with fine-grained sand, low-to-medium plasticity, reddish-brown		56	
		ML	SANDY SILT; hard, moist, with fine-grained sand, brown with iron-oxide staining		38	
		CL	LEAN CLAY; hard, moist, low-to-medium plasticity, tannish-brown		54	
			Bottom of boring B-13 at 81.5 feet BSG.			

Notes: *Potholed to 10.5 feet, visually logged sidewall to about 4 feet and backfilled with aggregate base prior to drilling. Landscaped planter area.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-14

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: Taber

Drill Type: CME 55

Auger Type: 6-5/8" O.D. Hollow Stem Auger

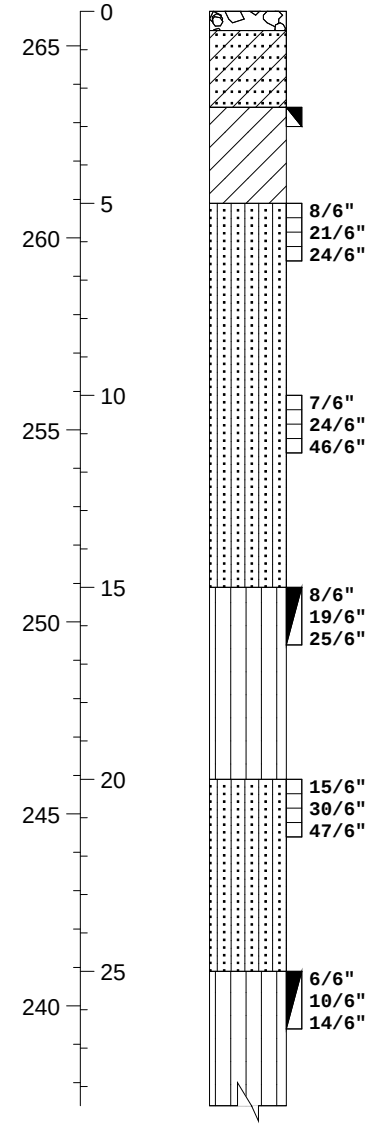
Hammer Type: 140 Pound Auto Trip

Logged By: SR

Date: 01/07/2026

Elevation: 265.9 ft.

Depth to Groundwater First Encountered During Drilling: Not Encountered



ELEVATION/ DEPTH (feet)	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
	PCC	PORTLAND CEMENT	EI = 18		
	SC	CONCRETE FLOOR SLAB= 6.25 INCHES			
	CL	CLAYEY SAND; moist, fine-to-medium grained sand, brown, low plasticity			12.3
	SM	LEAN CLAY; moist, medium to high plasticity, light brown		45	12.2
		SILTY SAND; dense, moist, fine-to-medium grained sand, brown with iron-oxide mottling			
		Very dense	DD = 110.7 pcf	70	16.0
	ML	SANDY SILT; hard, moist, with fine-grained sand, grey with iron-oxide mottling		44	
	SM	SILTY SAND; dense, moist, fine-to-medium grained sand, brown		77	12.7
	ML	SANDY SILT; very stiff, moist, with fine and medium-grained sand, brown	#200 = 61.8%	24	

Notes: *Boring Drilled in Fresno County Underground Parking Garage Floor P-2. Elevation tsken from As-Built plan and adjusted 2.5 feet below per current datum.*

Figure Number

MOORE TWINING ASSOCIATES, INC.

Test Boring: B-14

Project: Proposed Courthouse at Courthouse Park in Fresno, CA

Project Number: C88004.01-03

Drilled By: Taber

Drill Type: CME 55

Auger Type: 6-5/8" O.D. Hollow Stem Auger

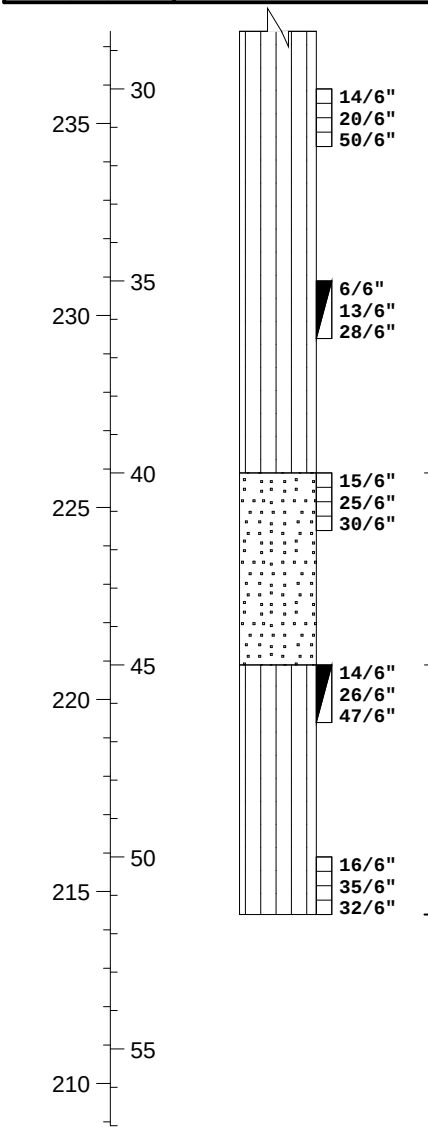
Hammer Type: 140 Pound Auto Trip

Logged By: SR

Date: 01/07/2026

Elevation: 265.9 ft.

Depth to Groundwater First Encountered During Drilling: Not Encountered



ELEVATION/ DEPTH (feet)	USCS	Soil Description	Remarks	N-Values blows/ft.	Moisture Content %
		Hard	DD = 96.0 pcf	70	20.8
				41	
	SP	POORLY GRADED SAND; dense, moist, fine-to-medium grained sand and trace silt, light brown	DD = 108.5 pcf	55	4.2
	ML	SANDY SILT; hard, moist, with fine-grained sand, grey		73	
		Grey with iron-oxide staining, with trace pinhole voids	DD = 89.0 pcf	67	27.1
		Bottom of boring B-14 at 51.5 feet BSG.			

Notes: *Boring Drilled in Fresno County Underground Parking Garage Floor P-2. Elevation tsken from As-Built plan and adjusted 2.5 feet below per current datum.*

Figure Number

KEY TO SYMBOLS

Symbol	Description
	Strata symbols
	Asphalt Concrete
	Aggregate Base
	SM: Silty sand

Symbol	Description
	SP-SM: Poorly graded sand with silt
	CL: Lean clay
	ML: Silt

Notes:

1. Exploratory borings were drilled between 11/24/25 and 12/5/25 using a CME 75 drill rig equpped with 6-5/8" outside diameter hollow stem augers. Boring B-14 was advanced 1/7/2026 with the 2nd floor below-grade parking structure using a limited-access CME 55LC drill rig equipped with 6-5/8" outside diameter hollow stem augers.

2. Boring B-7 through B-13 were potholed using hydro-vacuum methods as noted on logs. Logging of these borings was not practicalbetween about 4-feet BSG to the depth of potholing. Thus, the logs should not be relied upon at these depths.

3. Groundwater was not encountered during drilling of the borings.

4. Boring locations were positioned using Global Position System (GPS) coordinates based on site plan overlayed on satellite image of site.

5. These logs are subject to the limitations, conclusions, and recommendations in this report.

6. The "N-value" reported for the California Modified Split Barrel Sampler is the uncorrected field blow count. This value should not be interpreted as an SPT equivalent N-value.

7. Abbreviations used are:

DD = Natural dry density (pcf)	LL = Liquid Limit (%)
+4 = Percent retained on the No. 4 sieve (%)	PI = Plasticity Index (%)
NP = Not Plastic	NV = Not Viscous
-200 = Percent passing the No. 200 sieve (%)	EI = Expansion Index
Sand = Percent passing the No. 4 sieve and retained on No. 200 sieve (%)	Gravel = Percent passing 3-inch and retained on No. 4 sieve (%)
SR = Soil resistivity (ohm-cm)	
pH = Soil pH	SS = Soluble sulfates (%)
Cl = Soluble chlorides (%)	O.D. = Outside Diameter
ø = Internal Angle of Friction (degrees)	c = Cohesion (psf)
pcf = pounds per cubic foot	psf = pounds per square foot
N/A = Not applicable	N/E = Not encountered
BSG = Below Surrounding Grade	
ND = Not Detected at or above reporting Limit of 0.00060%	

KEY TO SYMBOLS

Symbol Description

Strata symbols



SC: Clayey sand



SP: Poorly graded sand



CL-ML: Silty clay



Fill



Portland Cement Concrete

Misc. Symbols



Boring continues

Soil Samplers



Standard penetration test



California Modified split barrel ring sampler



Bulk sample taken from auger



Bulk/Grab sample

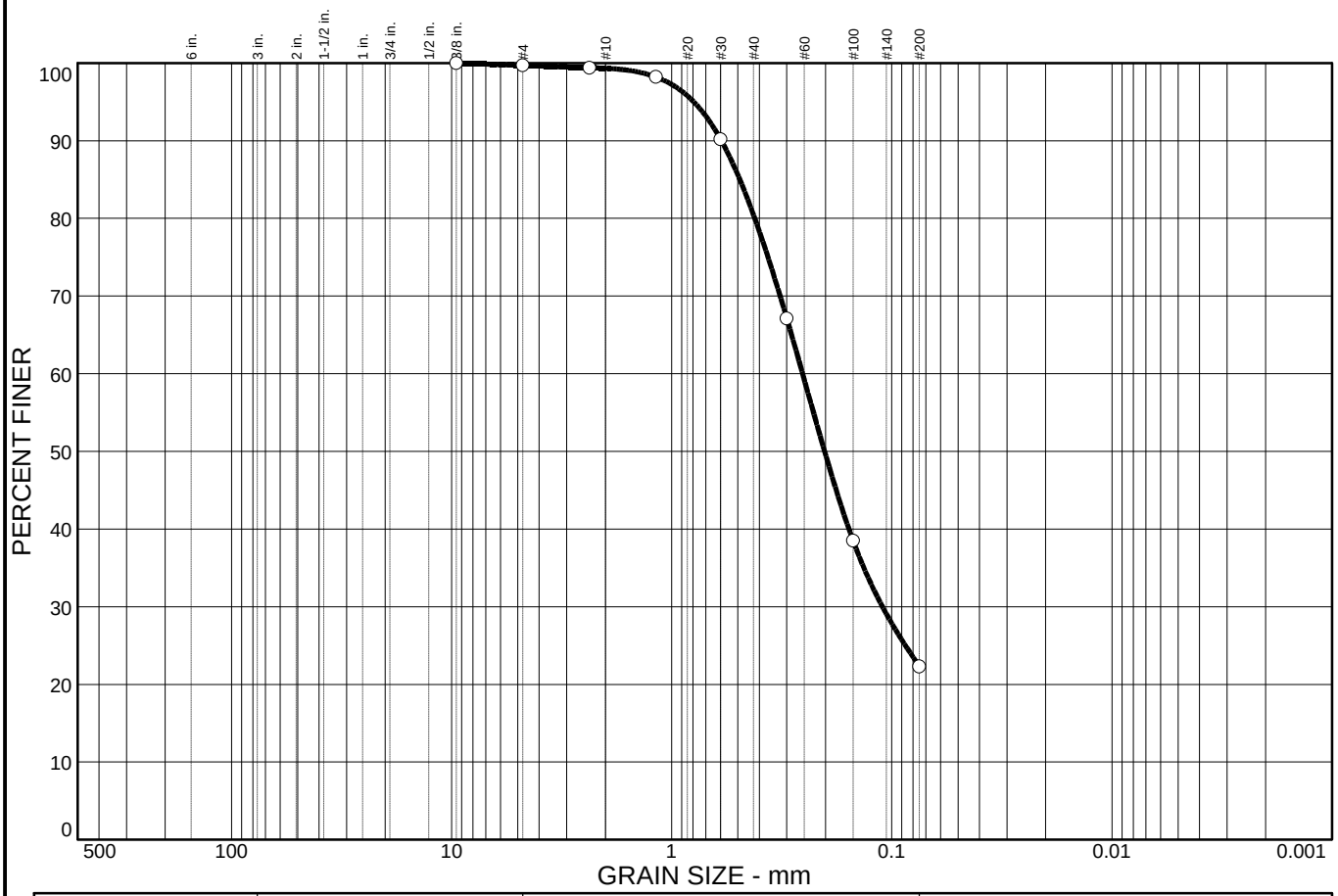
APPENDIX C

RESULTS OF LABORATORY TESTS

This appendix contains the individual results of the following tests. The results of the moisture content and dry density tests are included on the test boring logs in Appendix B. These data, along with the field observations, were used to prepare the final test boring logs in Appendix B.

These Included:	To Determine:
Moisture Content (ASTM D2216)	Moisture contents representative of field conditions at the time the sample was taken.
Dry Density (ASTM D2937)	Dry unit weight of sample representative of in-situ or in-place undisturbed condition.
Grain-Size Distribution (ASTM D422)	Size and distribution of soil particles, i.e., sand, gravel and fines (silt and clay).
Atterberg Limits (ASTM D4318)	Determines the moisture contents where the soil behaves as a viscous material (liquid limit) and the moisture content at which the soil reaches a plastic state (plastic limit)
Expansion Index (ASTM D4829)	Swell potential of soil with increases in moisture content.
Consolidation (ASTM 2435)	The amount and rate at which a soil sample compresses when loaded, and the influence of saturation on its behavior.
Direct Shear (ASTM D3080)	Soil shearing strength under varying loads and/or moisture conditions.
R-Value (ASTM D2844)	The capacity of a subgrade or subbase to support a pavement section designed to carry a specified traffic load.
Chloride Content (Cal Test 422)	Percentage of soluble chloride in soil. Used to evaluate the potential attack on encased reinforcing steel.
Sulfate Content (Cal Test 417)	Percentage of water-soluble sulfate as (SO4) in soil samples. Used as an indication of the relative degree of sulfate attack on concrete and for selecting the cement type.
Minimum Resistivity (ASTM G187)	The minimum resistivity in ohm-centimeters of a soil. Used to determine the corrosion potential for buried metal objects
pH (Cal Test 643)	The acidity or alkalinity of subgrade material.

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.3	0.4	18.9	58.1	22.3	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8 in.	100.0		
#4	99.7		
#8	99.4		
#16	98.2		
#30	90.2		
#50	67.1		
#100	38.5		
#200	22.3		

* (no specification provided)

Material Description

Silty sand

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.491 D_{60}= 0.254 D_{50}= 0.202
D_{30}= 0.110 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO=

Remarks

Sample No.: B-1 **Source of Sample:** **Date:** 7/17/23
Location: **Elev./Depth:** 9-10.5'

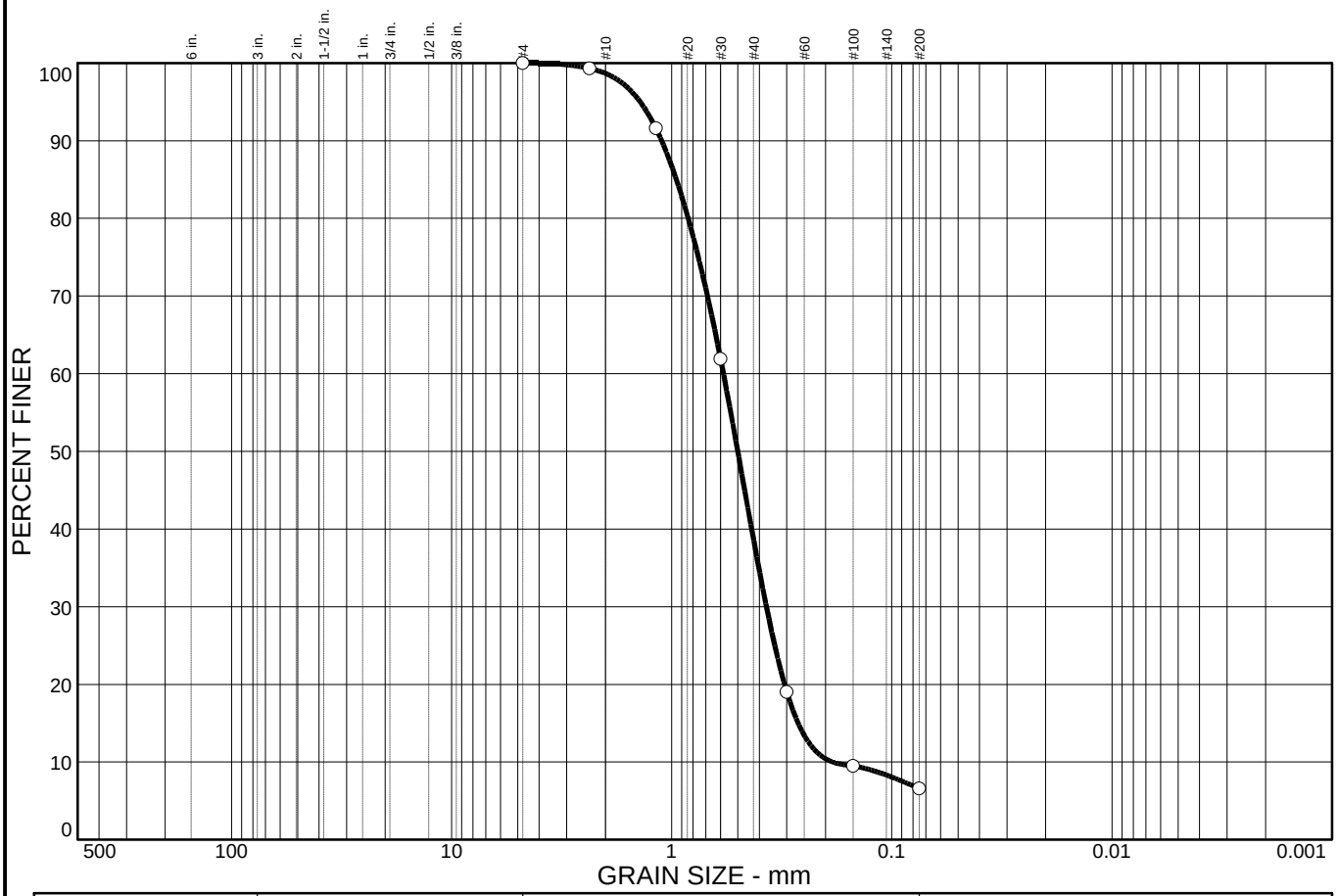
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering, Inc.
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	1.3	60.0	32.1	6.6	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#8	99.3		
#16	91.6		
#30	61.9		
#50	19.0		
#100	9.5		
#200	6.6		

* (no specification provided)

Material Description

Poorly graded sand with silt

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.953 D_{60}= 0.582 D_{50}= 0.502
D_{30}= 0.372 D_{15}= 0.266 D_{10}= 0.185
C_u= 3.14 C_c= 1.28

Classification

USCS= SP-SM AASHTO=

Remarks

Sample No.: B-1 **Source of Sample:** **Date:** 7/17/23
Location: **Elev./Depth:** 35-36.5'

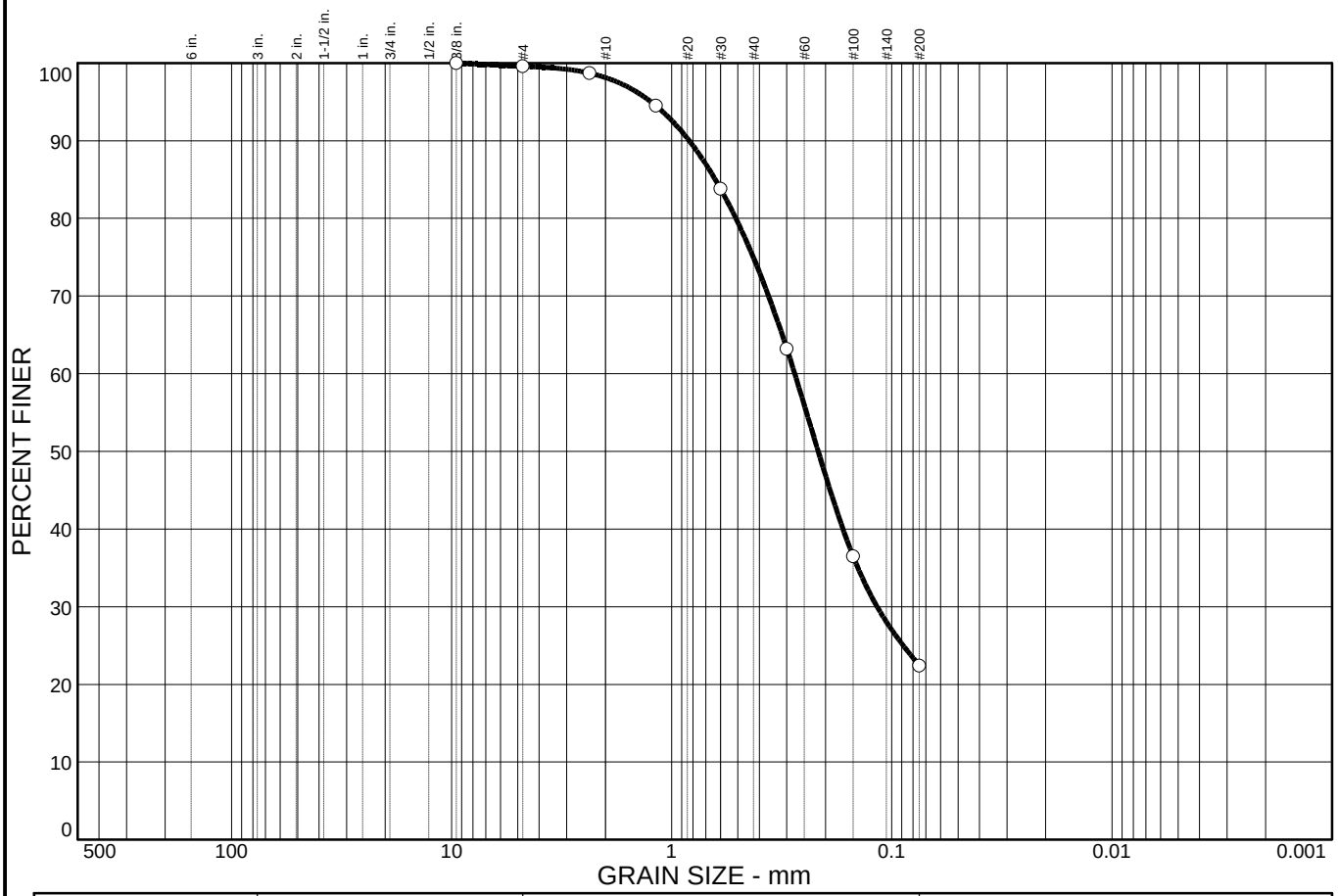
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering, Inc.
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.4	1.5	23.2	52.5	22.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8 in.	100.0		
#4	99.6		
#8	98.7		
#16	94.5		
#30	83.8		
#50	63.2		
#100	36.5		
#200	22.4		

* (no specification provided)

Material Description

Silty sand

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.634 D_{60}= 0.276 D_{50}= 0.216
D_{30}= 0.117 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO=

Remarks

Sample No.: B-2 **Source of Sample:** **Date:** 7/7/23
Location: **Elev./Depth:** 4-5'

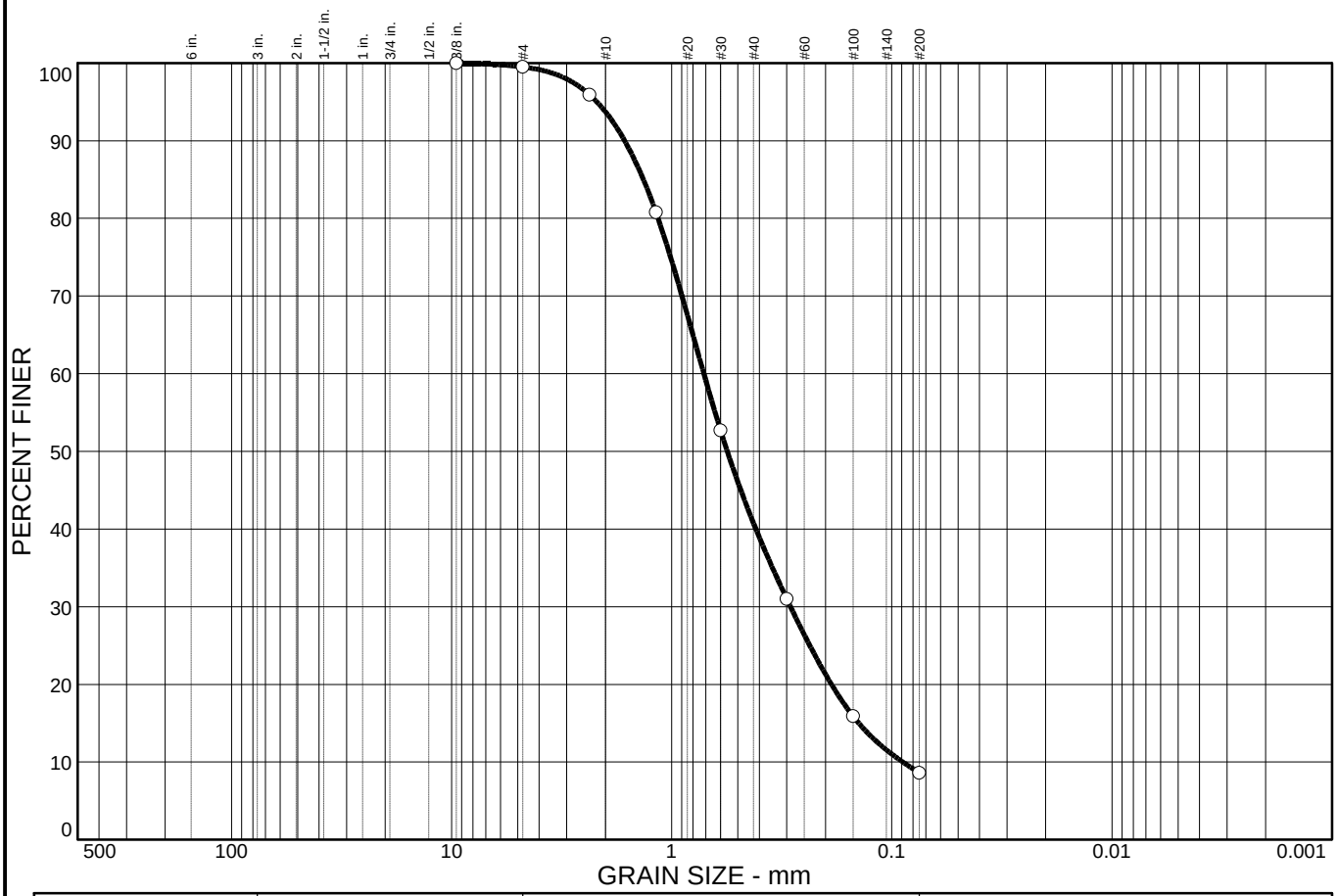
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering, Inc .
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.5	5.8	53.0	32.1	8.6	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8 in.	100.0		
#4	99.5		
#8	95.9		
#16	80.8		
#30	52.7		
#50	31.0		
#100	15.9		
#200	8.6		

* (no specification provided)

Material Description

Well-graded sand with silt

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 1.35 D_{60}= 0.715 D_{50}= 0.559
D_{30}= 0.289 D_{15}= 0.141 D_{10}= 0.0892
C_u= 8.02 C_c= 1.31

Classification

USCS= SW-SM AASHTO=

Remarks

Sample No.: B-2 **Source of Sample:** **Date:** 7/7/23
Location: **Elev./Depth:** 15-16.5'

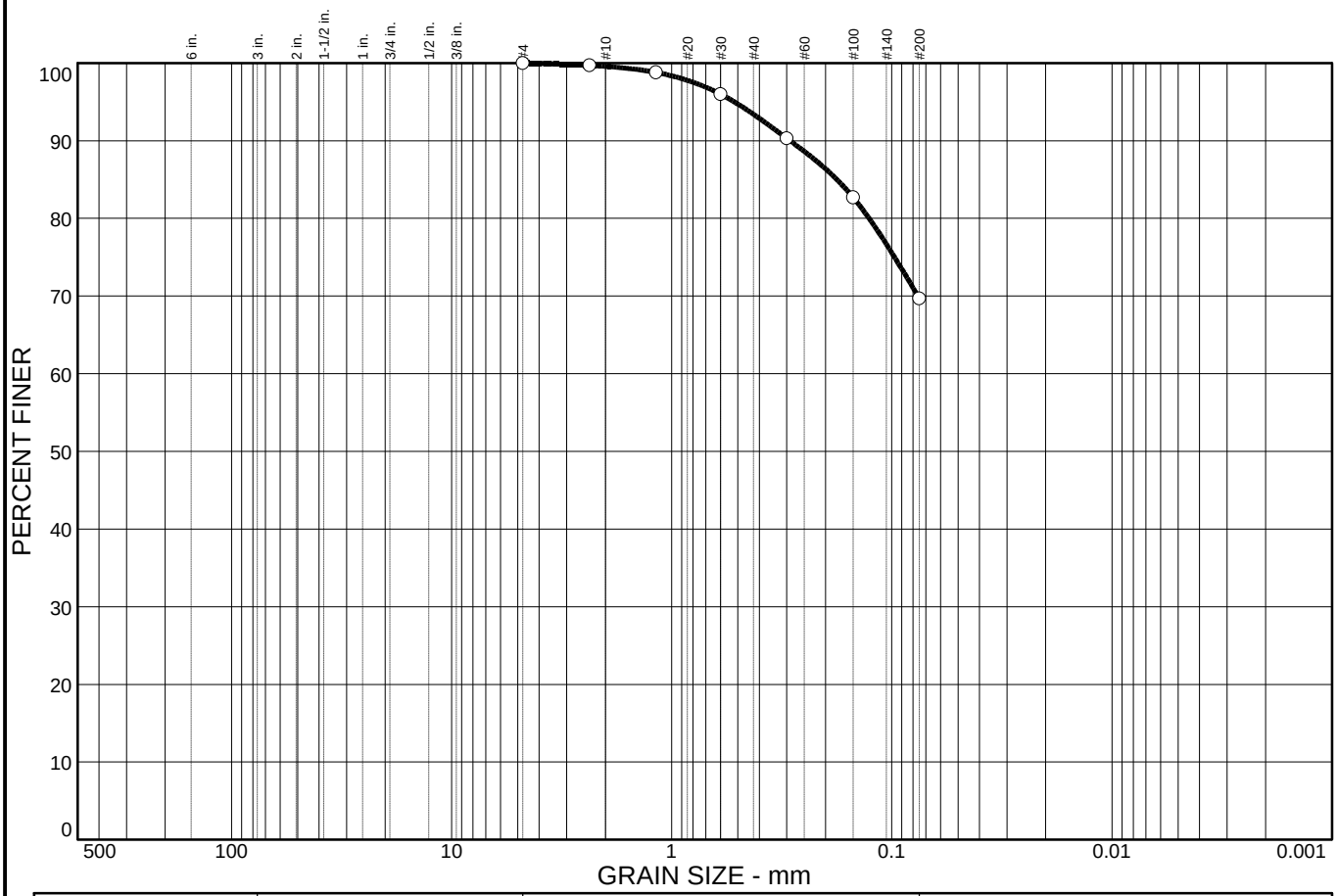
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering, Inc.
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.4	6.2	23.7	69.7	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#8	99.7		
#16	98.8		
#30	96.0		
#50	90.3		
#100	82.7		
#200	69.7		

* (no specification provided)

Material Description

Sandy lean clay

Atterberg Limits

PL= 15 LL= 28 PI= 13

Coefficients

D_{85}= 0.178 D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= CL AASHTO=

Remarks

Sample No.: B-2 **Source of Sample:** **Date:** 7/7/23
Location: **Elev./Depth:** 30-31.5'

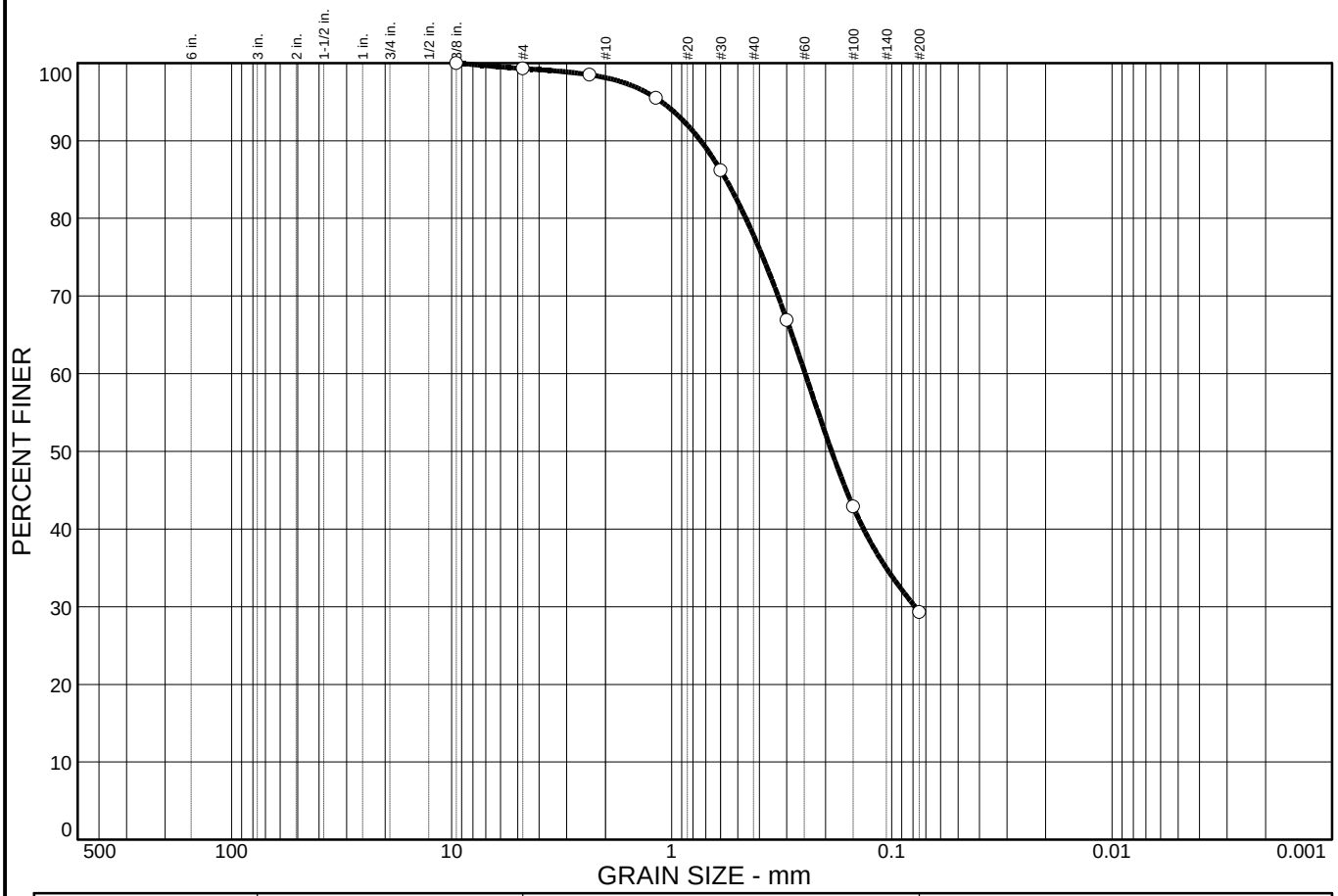
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering, Inc.
Project: Courthouse Park Site , Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.7	1.2	20.3	48.5	29.3	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8 in.	100.0		
#4	99.3		
#8	98.5		
#16	95.5		
#30	86.2		
#50	66.9		
#100	42.9		
#200	29.3		

* (no specification provided)

Material Description

Silty sand

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.567 D_{60}= 0.248 D_{50}= 0.188
D_{30}= 0.0785 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO=

Remarks

Sample No.: B-3 **Source of Sample:** **Date:** 7/7/23
Location: **Elev./Depth:** 0-4'

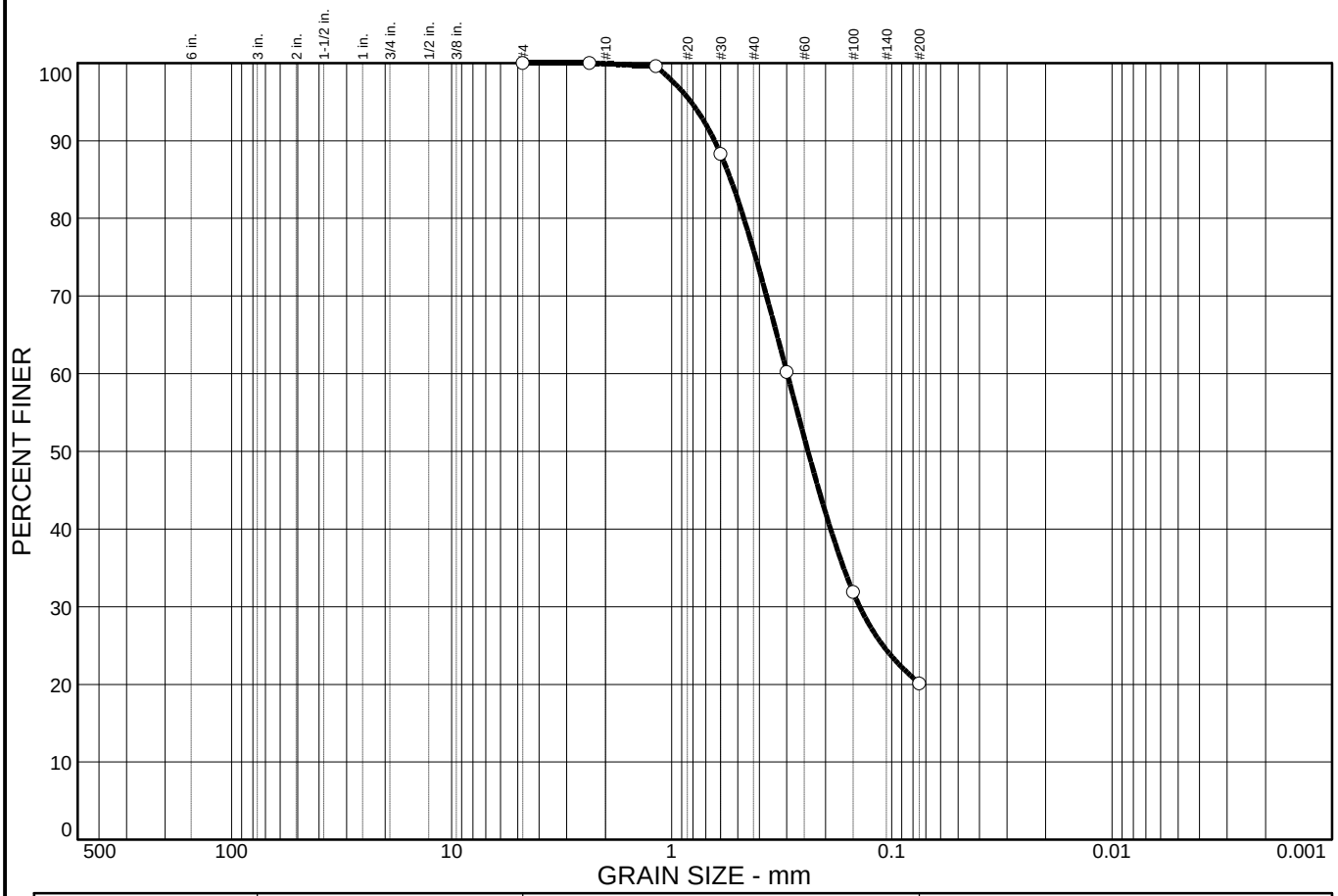
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering, Inc.
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.1	24.0	55.8	20.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#8	100.0		
#16	99.6		
#30	88.3		
#50	60.2		
#100	31.9		
#200	20.1		

* (no specification provided)

Material Description

Silty sand

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D_{85}= 0.540 D_{60}= 0.299 D_{50}= 0.240
D_{30}= 0.140 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO=

Remarks

Sample No.: B-4 **Source of Sample:** **Date:** 7/17/23
Location: **Elev./Depth:** 6.5-8'

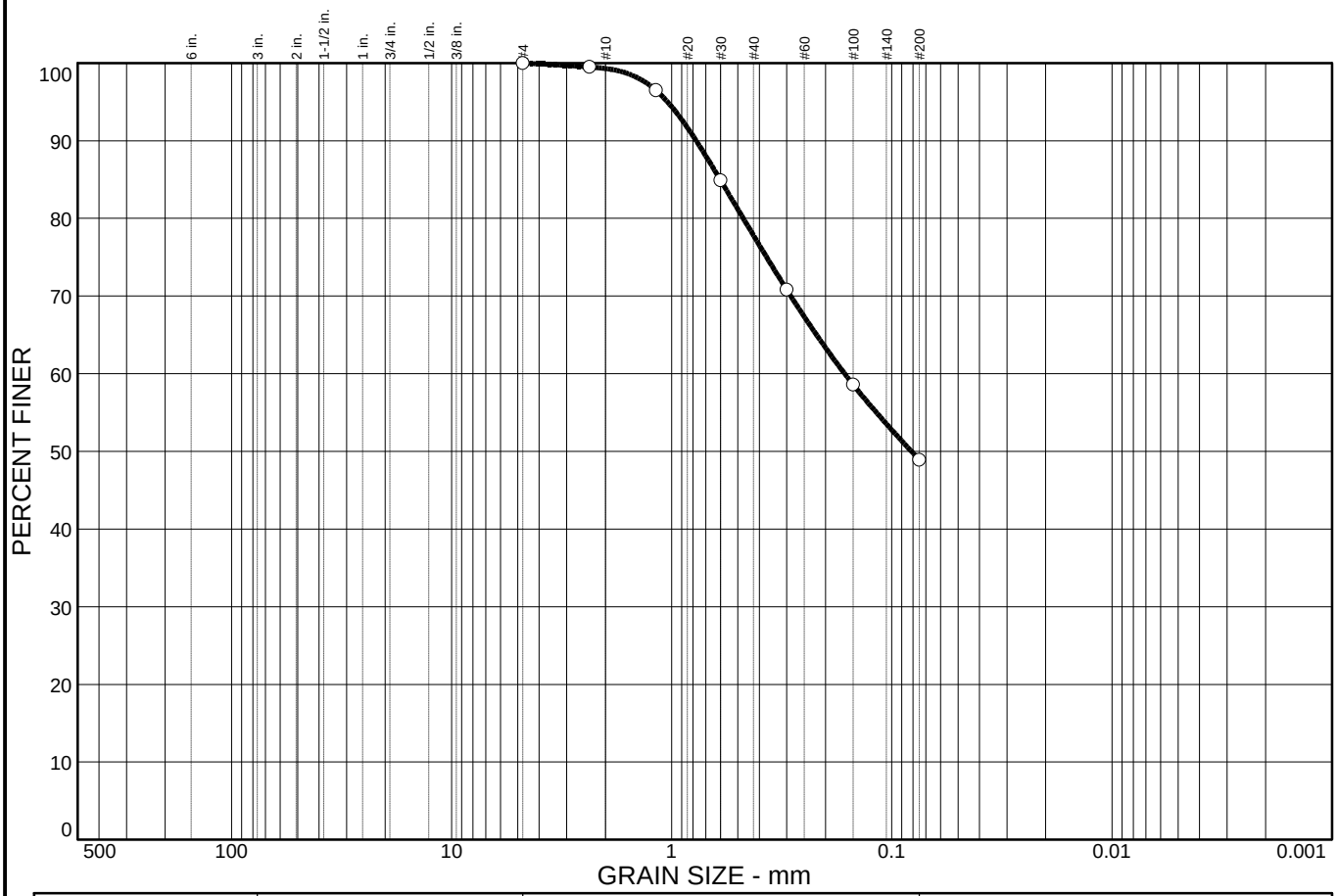
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering, Inc.
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.7	21.5	28.9	48.9	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#8	99.5		
#16	96.5		
#30	84.9		
#50	70.8		
#100	58.6		
#200	48.9		

* (no specification provided)

Material Description

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.603 D_{60}= 0.164 D_{50}= 0.0815
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

Sample No.: B-4 **Source of Sample:** **Date:** 7/7/23
Location: **Elev./Depth:** 7-8.5'

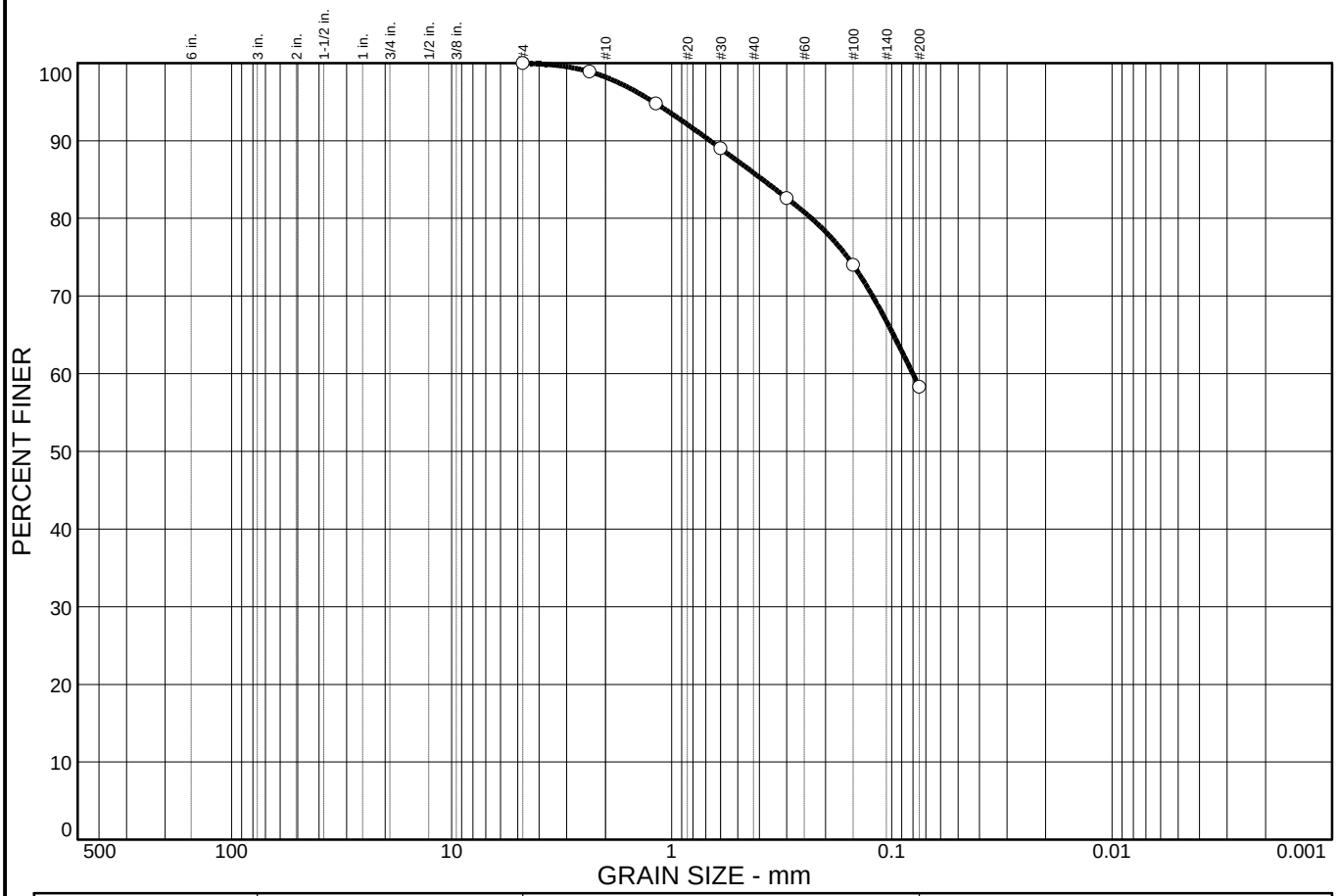
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering, Inc.
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	1.8	12.3	27.6	58.3	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#8	98.9		
#16	94.8		
#30	89.0		
#50	82.6		
#100	74.0		
#200	58.3		

* (no specification provided)

Material Description

Sandy lean clay

Atterberg Limits

PL= 14 LL= 25 PI= 11

Coefficients

D_{85}= 0.387 D_{60}= 0.0802 D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= CL AASHTO=

Remarks

Sample No.: B-4 **Source of Sample:** **Date:** 7/7/23
Location: **Elev./Depth:** 20-21.5'

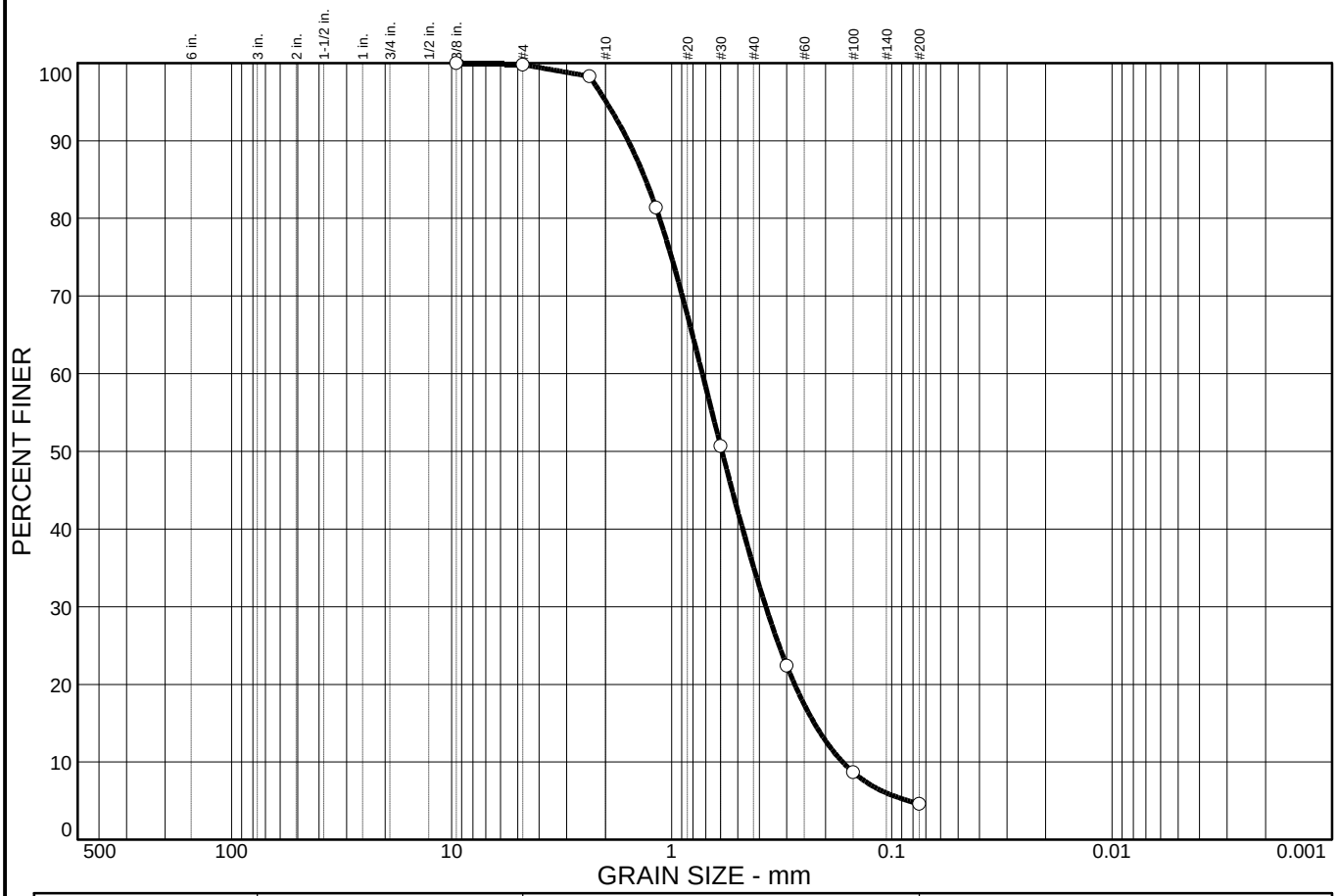
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering, Inc.
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.2	4.6	60.0	30.6	4.6	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8 in.	100.0		
#4	99.8		
#8	98.3		
#16	81.4		
#30	50.7		
#50	22.4		
#100	8.7		
#200	4.6		

* (no specification provided)

Material Description

Poorly graded sand

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 1.32 D_{60}= 0.726 D_{50}= 0.591
D_{30}= 0.374 D_{15}= 0.225 D_{10}= 0.167
C_u= 4.34 C_c= 1.15

Classification

USCS= SP AASHTO=

Remarks

Sample No.: B-4 **Source of Sample:** **Date:** 7/17/23
Location: **Elev./Depth:** 25-26.5'

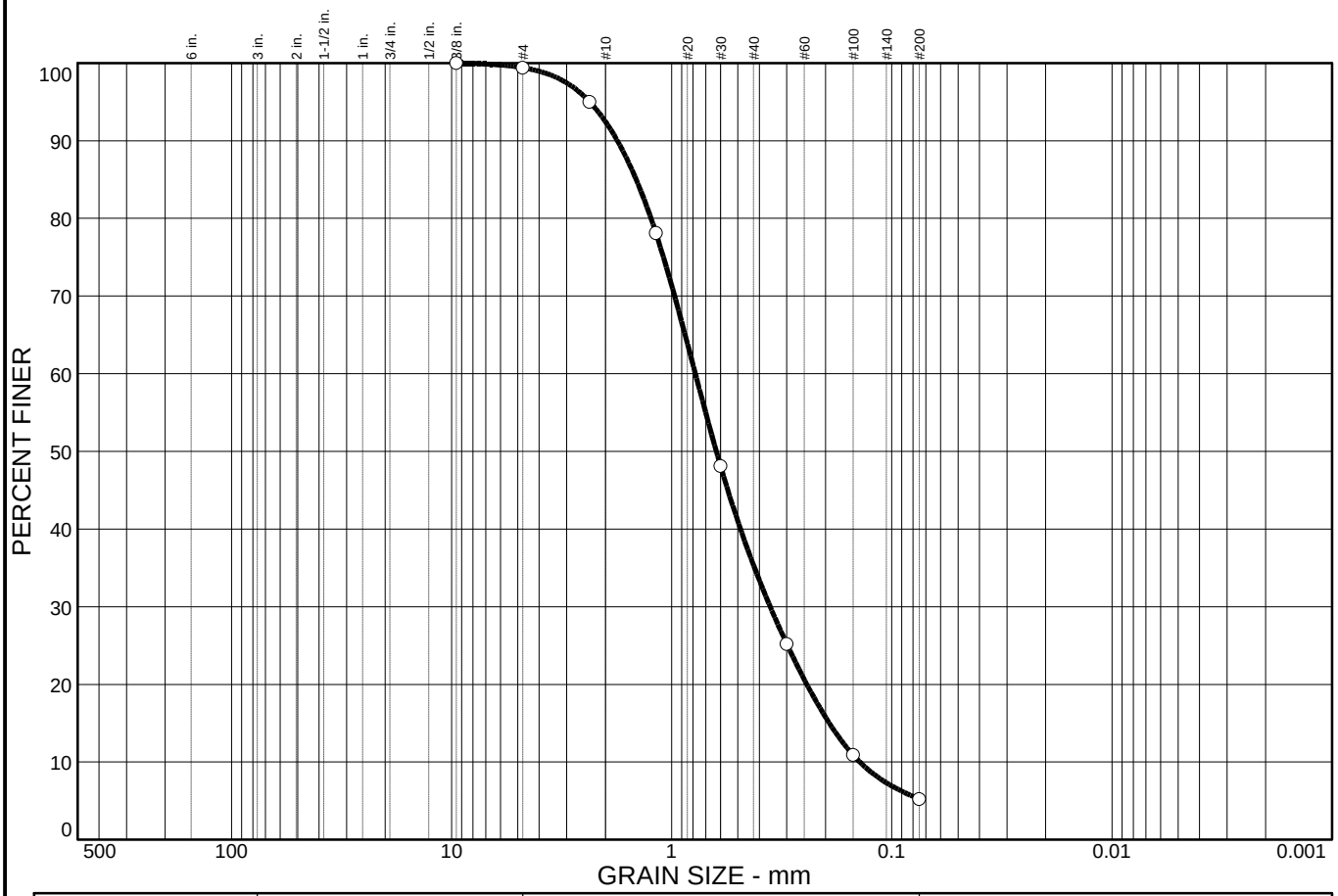
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Client: Precision Civil Engineering, Inc.
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.6	6.9	57.1	30.2	5.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8 in.	100.0		
#4	99.4		
#8	95.0		
#16	78.1		
#30	48.1		
#50	25.2		
#100	10.9		
#200	5.2		

* (no specification provided)

Material Description

Poorly graded sand with silt

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 1.45 D_{60}= 0.781 D_{50}= 0.627
D_{30}= 0.357 D_{15}= 0.192 D_{10}= 0.140
C_u= 5.59 C_c= 1.17

Classification

USCS= SP-SM AASHTO=

Remarks

Sample No.: B-5 **Source of Sample:** **Date:** 7/7/23
Location: **Elev./Depth:** 13.5-15'

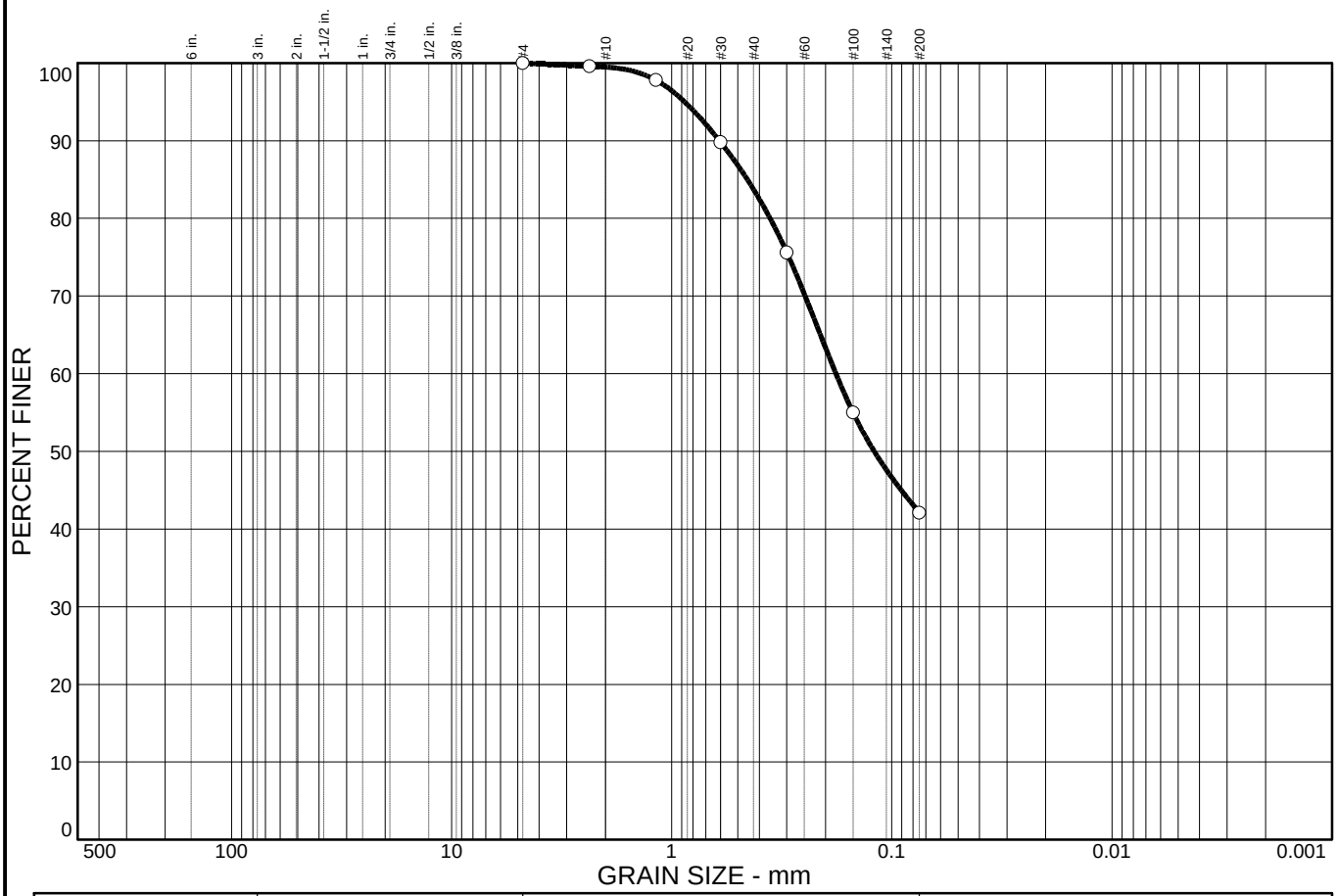
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering, Inc.
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.5	15.8	41.6	42.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#8	99.6		
#16	97.8		
#30	89.8		
#50	75.6		
#100	55.0		
#200	42.1		

* (no specification provided)

Material Description

Silty sand

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.453 D_{60}= 0.179 D_{50}= 0.120
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO=

Remarks

Sample No.: B-7 **Source of Sample:** **Date:** 11/24/25
Location: **Elev./Depth:** 8.5-10'

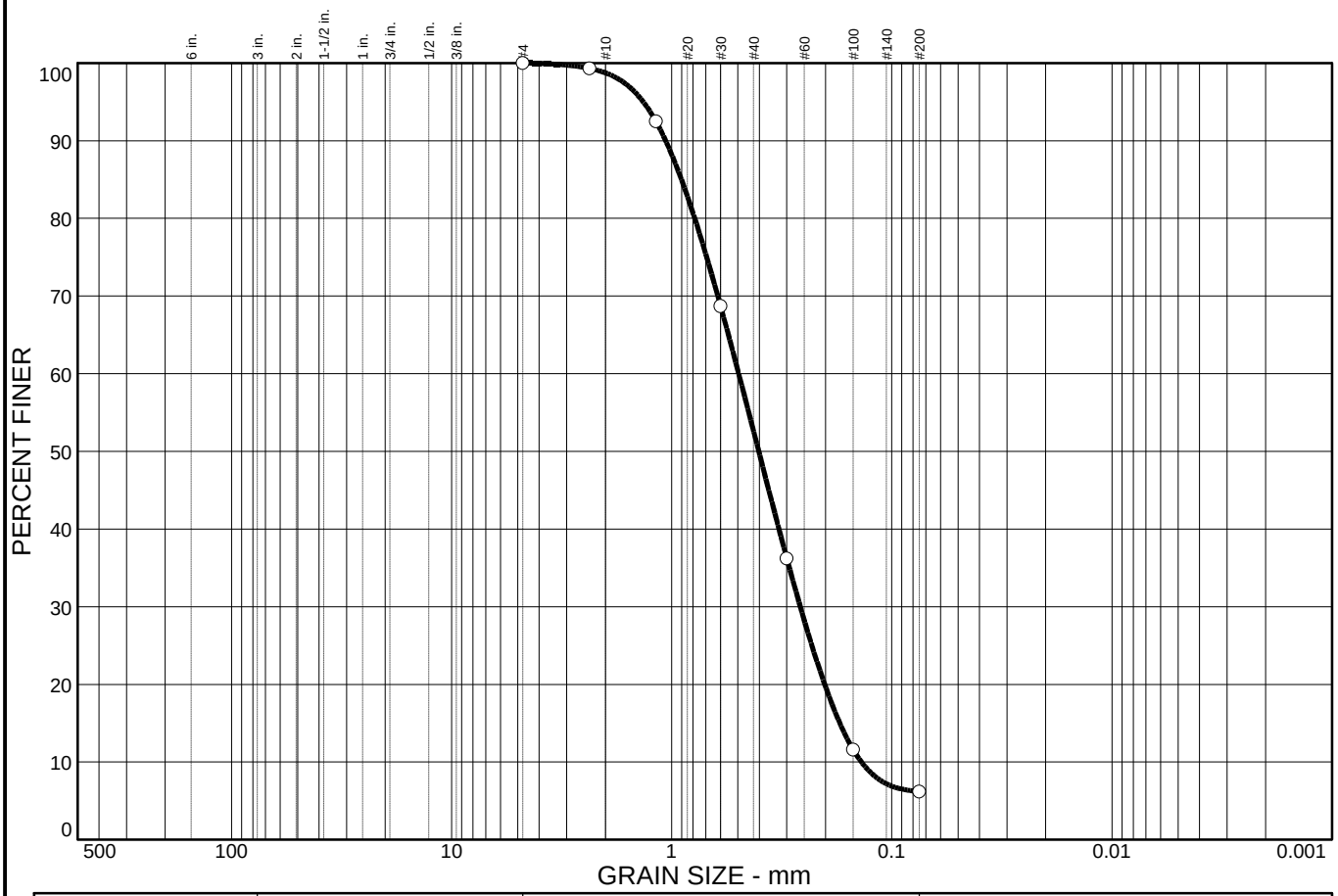
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	1.3	46.1	46.4	6.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#8	99.3		
#16	92.5		
#30	68.7		
#50	36.2		
#100	11.6		
#200	6.2		

* (no specification provided)

Material Description

Poorly graded sand with silt

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.904 D_{60}= 0.497 D_{50}= 0.403
D_{30}= 0.261 D_{15}= 0.172 D_{10}= 0.138
C_u= 3.61 C_c= 1.00

Classification

USCS= SP-SM AASHTO=

Remarks

Sample No.: B-7 **Source of Sample:** **Date:** 11/24/25
Location: **Elev./Depth:** 16.5-18'

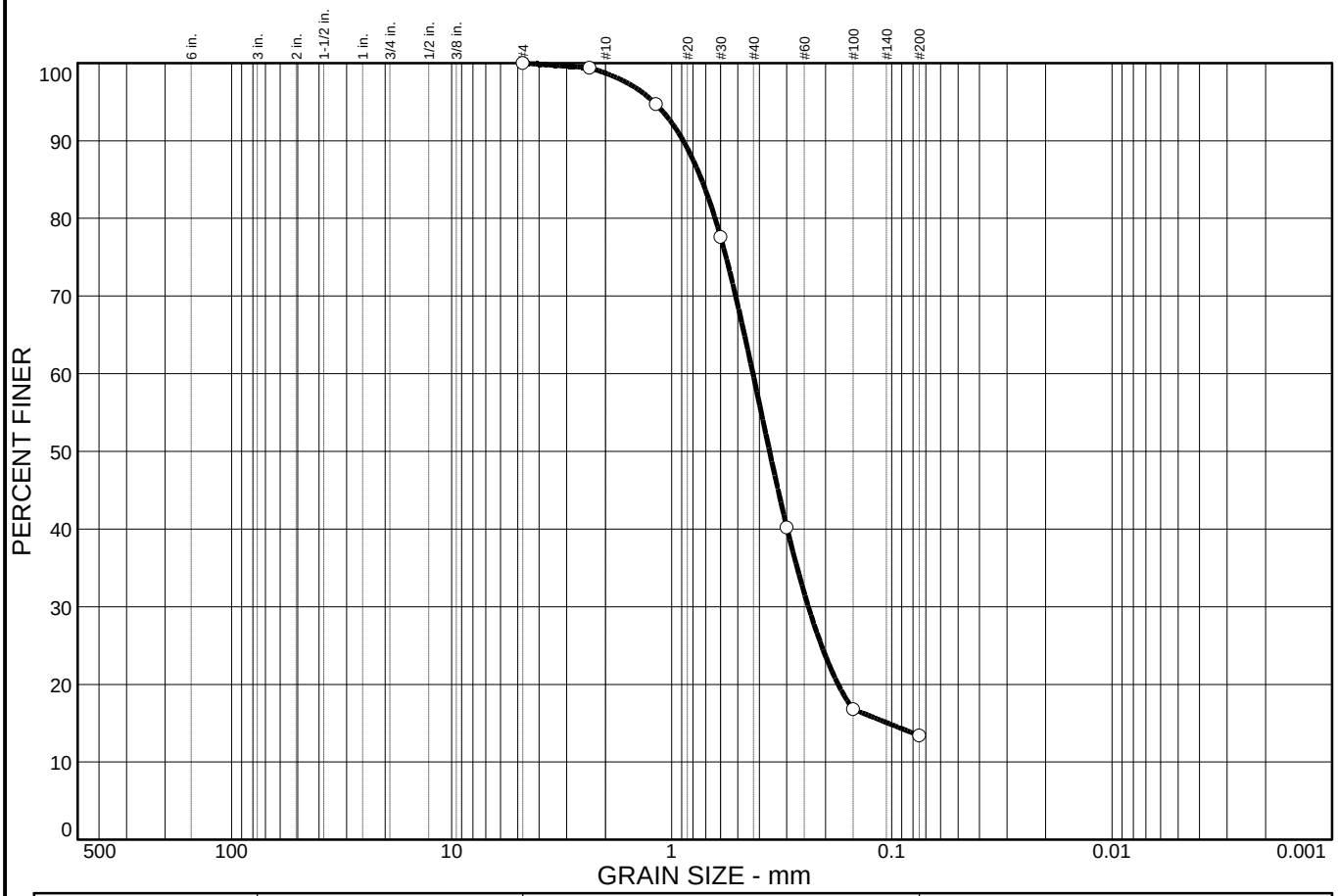
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	1.3	39.1	46.2	13.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#8	99.4		
#16	94.7		
#30	77.6		
#50	40.2		
#100	16.8		
#200	13.4		

* (no specification provided)

Material Description

Silty sand

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.733 D_{60}= 0.428 D_{50}= 0.359
D_{30}= 0.240 D_{15}= 0.104 D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO=

Remarks

Sample No.: B-7 **Source of Sample:** **Date:** 11/24/25
Location: **Elev./Depth:** 25-26.5'

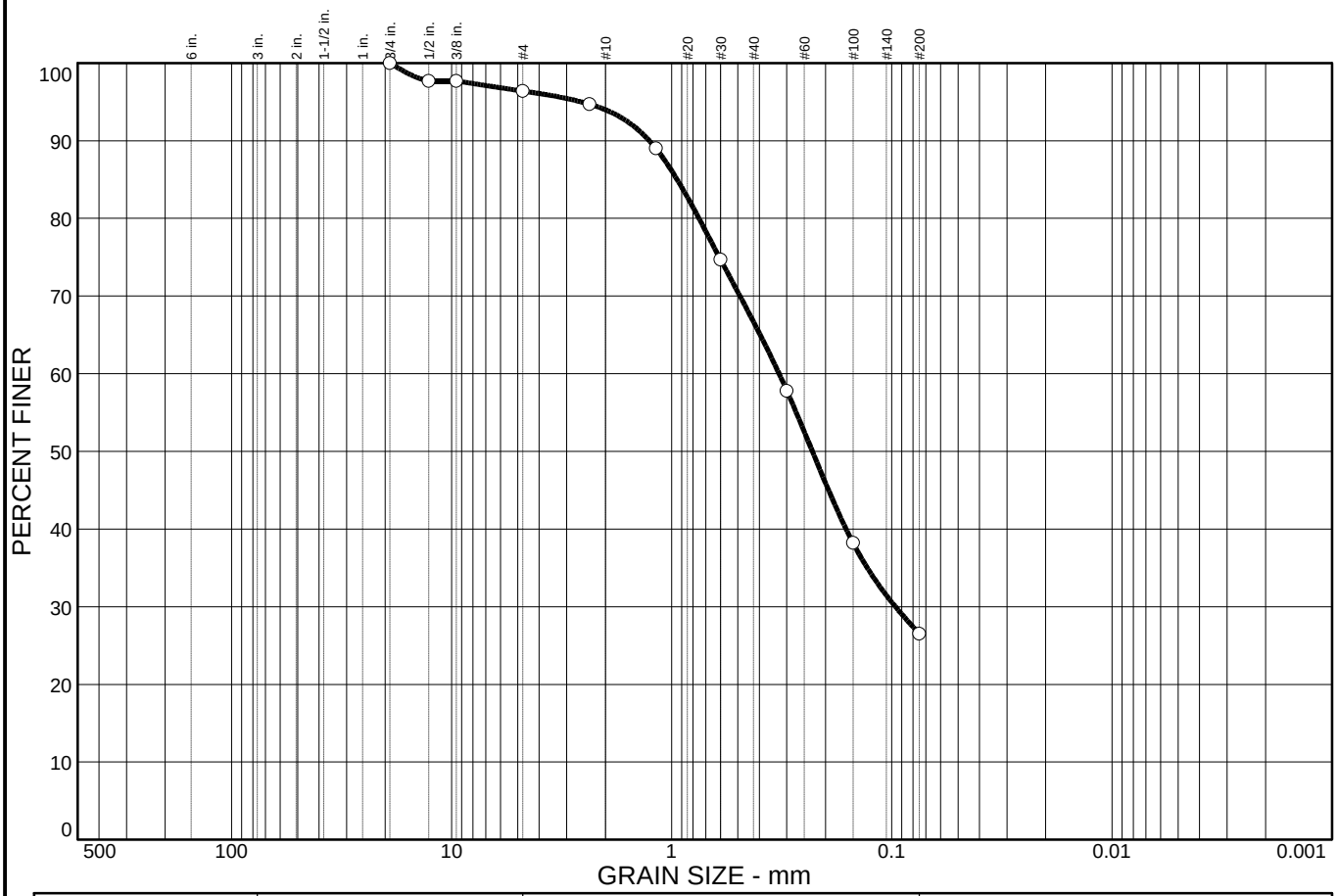
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	3.6	2.4	27.3	40.2	26.5	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100.0		
1/2 in.	97.7		
3/8 in.	97.7		
#4	96.4		
#8	94.7		
#16	89.0		
#30	74.7		
#50	57.8		
#100	38.2		
#200	26.5		

* (no specification provided)

Material Description

Silty sand

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D_{85}= 0.945 D_{60}= 0.325 D_{50}= 0.230
D_{30}= 0.0963 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO=

Remarks

Sample No.: B-8 **Source of Sample:** **Date:** 11/24/25
Location: **Elev./Depth:** 7-11'

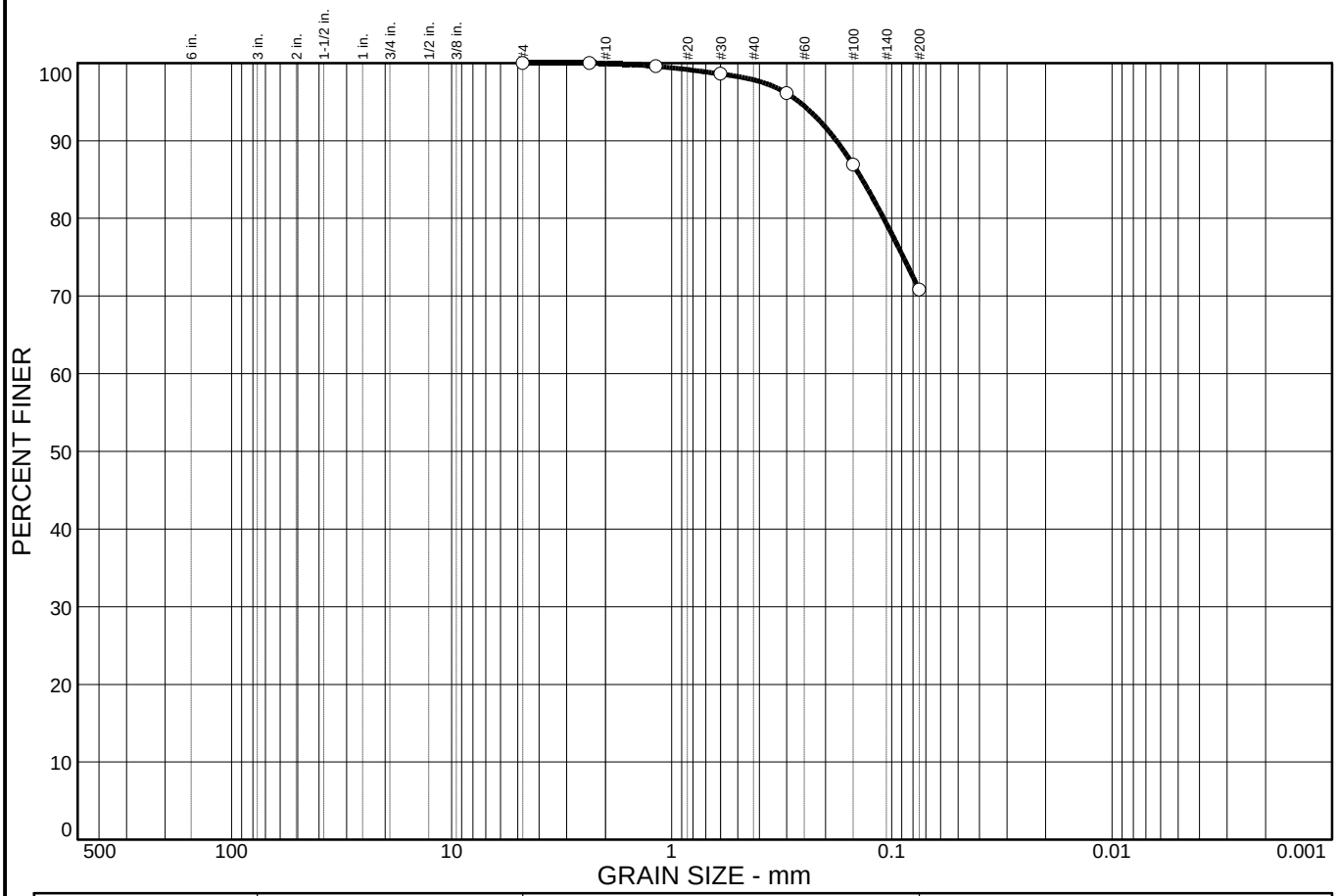
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.1	2.1	27.0	70.8	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#8	100.0		
#16	99.6		
#30	98.6		
#50	96.1		
#100	86.9		
#200	70.8		

* (no specification provided)

Material Description

Lean clay with sand

Atterberg Limits

PL= 16 LL= 26 PI= 10

Coefficients

D_{85}= 0.136 D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= CL AASHTO=

Remarks

Sample No.: B-8 **Source of Sample:** **Date:** 11/24/25
Location: **Elev./Depth:** 20-21.5'

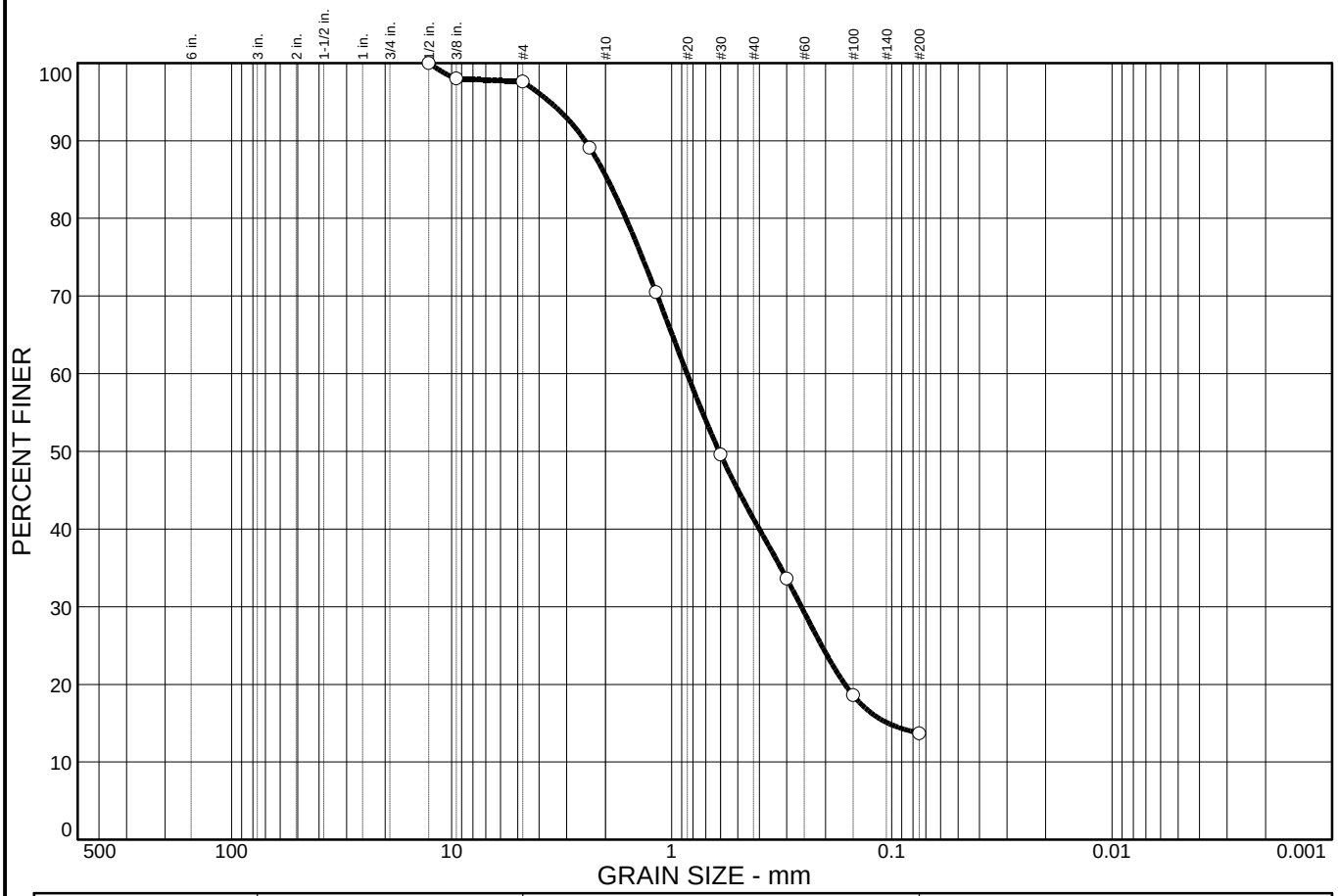
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Fresno, CA

Client: Precision Civil Engineering
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	2.4	12.1	44.2	27.6	13.7	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1/2 in.	100.0		
3/8 in.	98.0		
#4	97.6		
#8	89.1		
#16	70.5		
#30	49.6		
#50	33.6		
#100	18.6		
#200	13.7		

* (no specification provided)

Material Description

Silty sand

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 1.95 D_{60}= 0.851 D_{50}= 0.609
D_{30}= 0.258 D_{15}= 0.104 D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO=

Remarks

Sample No.: B-9 **Source of Sample:** **Date:** 11/24/25
Location: **Elev./Depth:** 15-16.5'

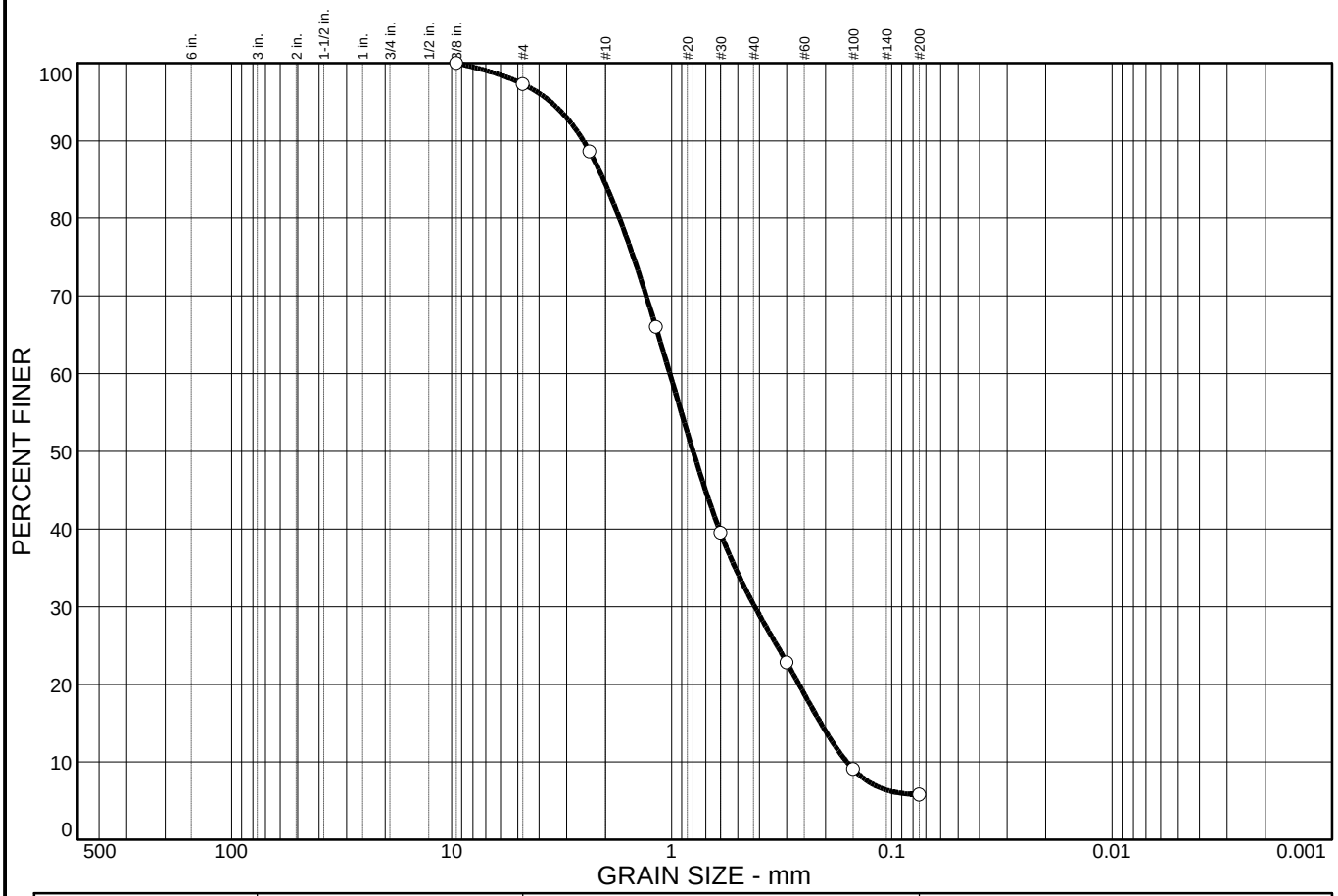
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	2.7	12.9	54.1	24.5	5.8	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8 in.	100.0		
#4	97.3		
#8	88.6		
#16	66.0		
#30	39.5		
#50	22.8		
#100	9.1		
#200	5.8		

* (no specification provided)

Material Description

Well-graded sand with silt

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 2.04 D_{60}= 1.02 D_{50}= 0.800
D_{30}= 0.420 D_{15}= 0.210 D_{10}= 0.160
C_u= 6.37 C_c= 1.08

Classification

USCS= SW-SM AASHTO=

Remarks

Sample No.: B-10 **Source of Sample:** **Date:** 11/24/25
Location: **Elev./Depth:** 13.5-15'

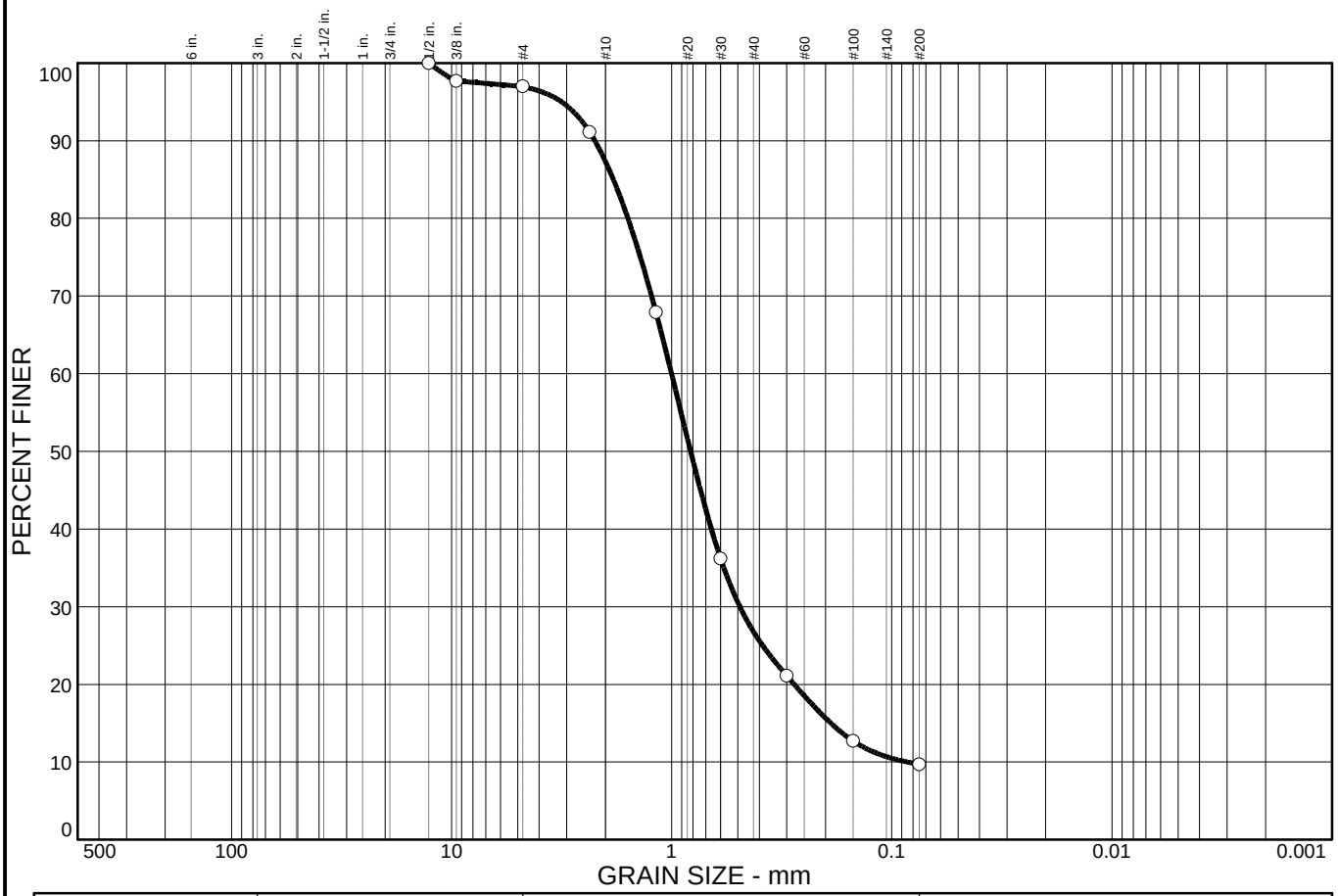
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	3.0	9.7	60.6	17.0	9.7	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1/2 in.	100.0		
3/8 in.	97.7		
#4	97.0		
#8	91.1		
#16	67.9		
#30	36.2		
#50	21.1		
#100	12.7		
#200	9.7		

* (no specification provided)

Material Description

Well-graded sand with silt

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 1.84 D_{60}= 1.00 D_{50}= 0.821
D_{30}= 0.490 D_{15}= 0.189 D_{10}= 0.0847
C_u= 11.84 C_c= 2.83

Classification

USCS= SW-SM AASHTO=

Remarks

Sample No.: B-10 **Source of Sample:** **Date:** 11/24/25
Location: **Elev./Depth:** 20-21.5'

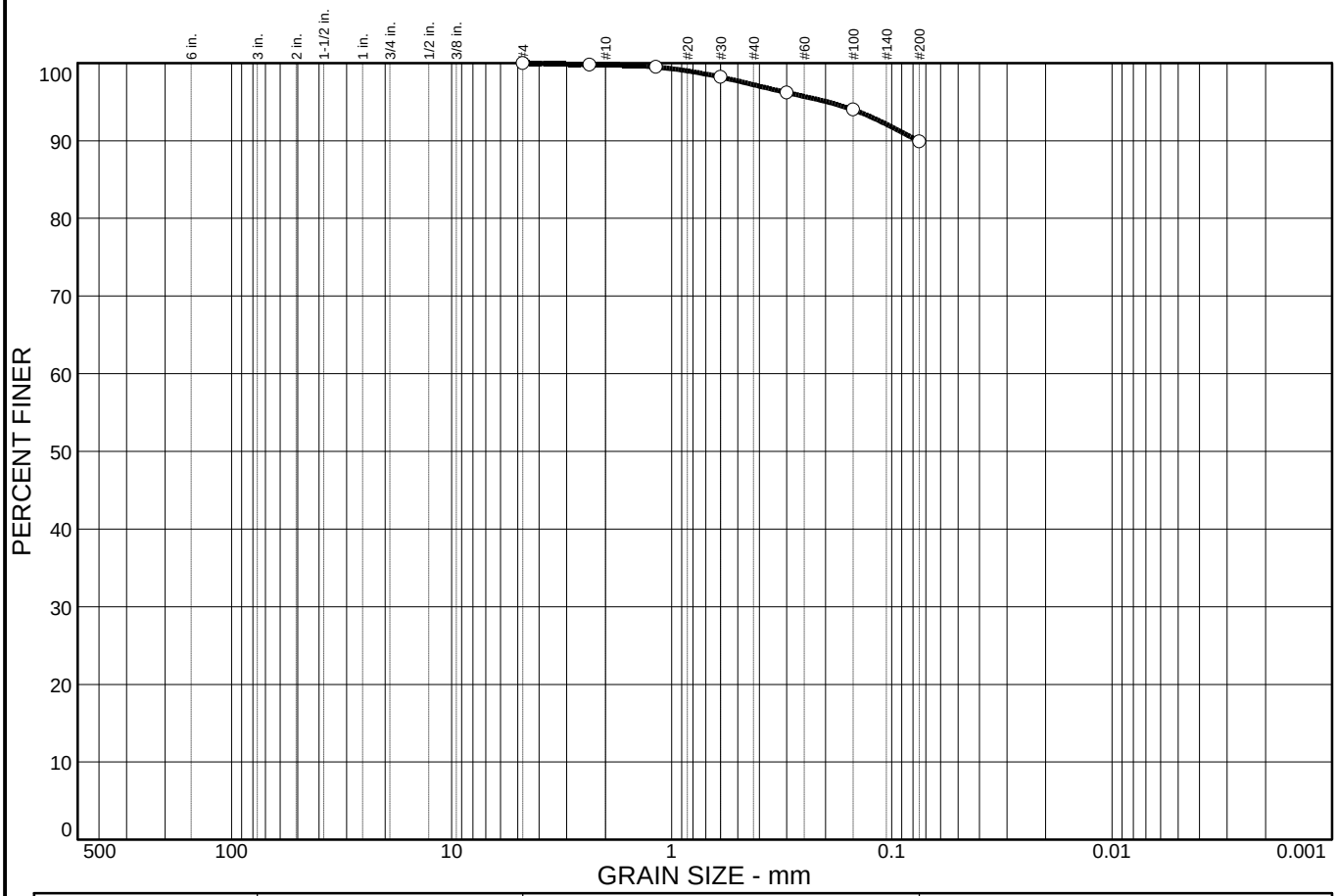
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.2	2.6	7.3	89.9	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#8	99.8		
#16	99.5		
#30	98.2		
#50	96.2		
#100	94.0		
#200	89.9		

* (no specification provided)

Material Description

Silty clay

Atterberg Limits

PL= 19 LL= 26 PI= 7

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= CL-ML AASHTO=

Remarks

Sample No.: B-10 **Source of Sample:** **Date:** 11/24/25
Location: **Elev./Depth:** 22.5-24.0'

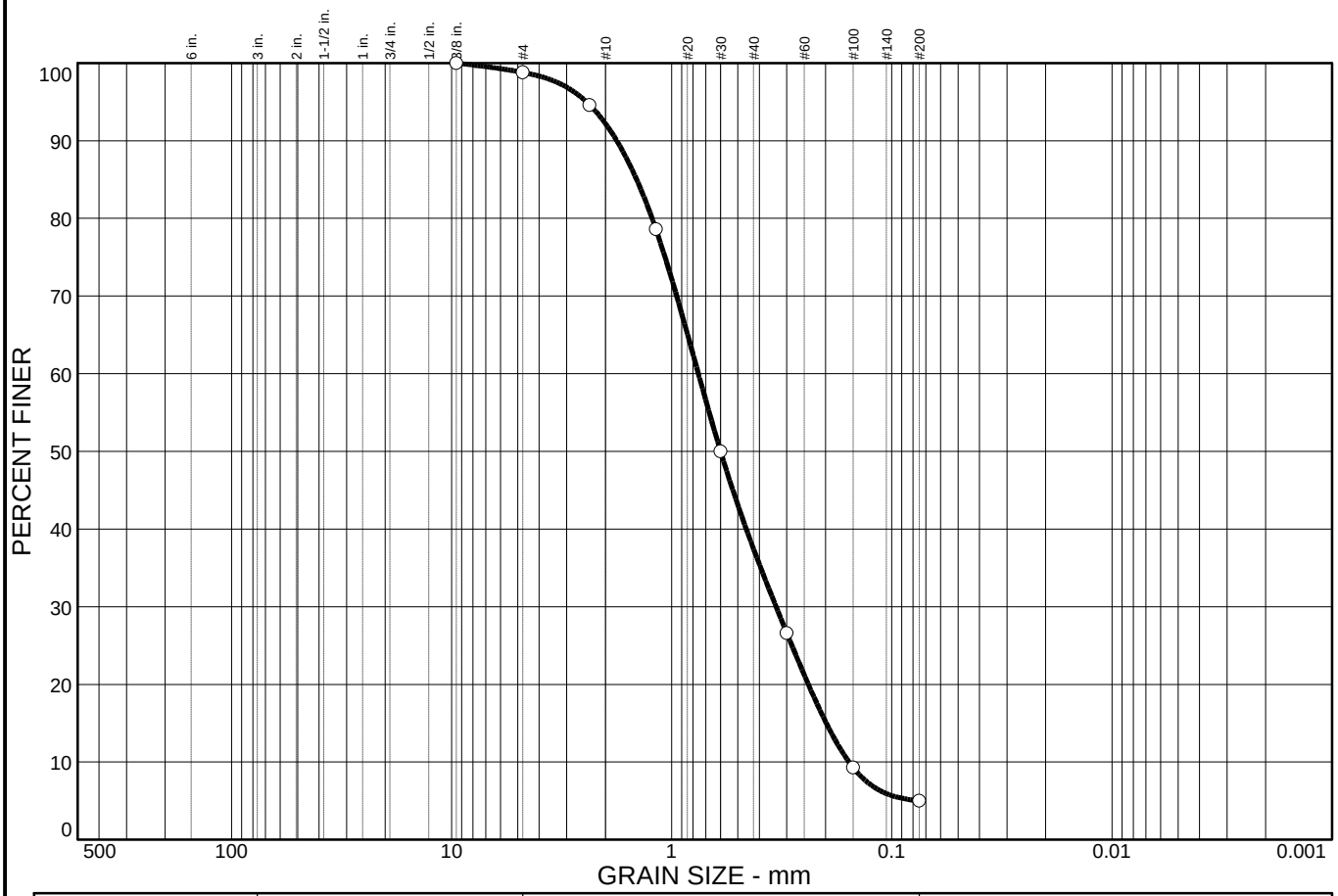
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	1.2	6.6	54.8	32.4	5.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8 in.	100.0		
#4	98.8		
#8	94.6		
#16	78.6		
#30	50.0		
#50	26.6		
#100	9.3		
#200	5.0		

* (no specification provided)

Material Description

Poorly graded sand with silt

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 1.44 D_{60}= 0.757 D_{50}= 0.600
D_{30}= 0.336 D_{15}= 0.198 D_{10}= 0.157
C_u= 4.84 C_c= 0.95

Classification

USCS= SP-SM AASHTO=

Remarks

Sample No.: B-11 **Source of Sample:** **Date:** 11/24/25
Location: **Elev./Depth:** 15-16.5'

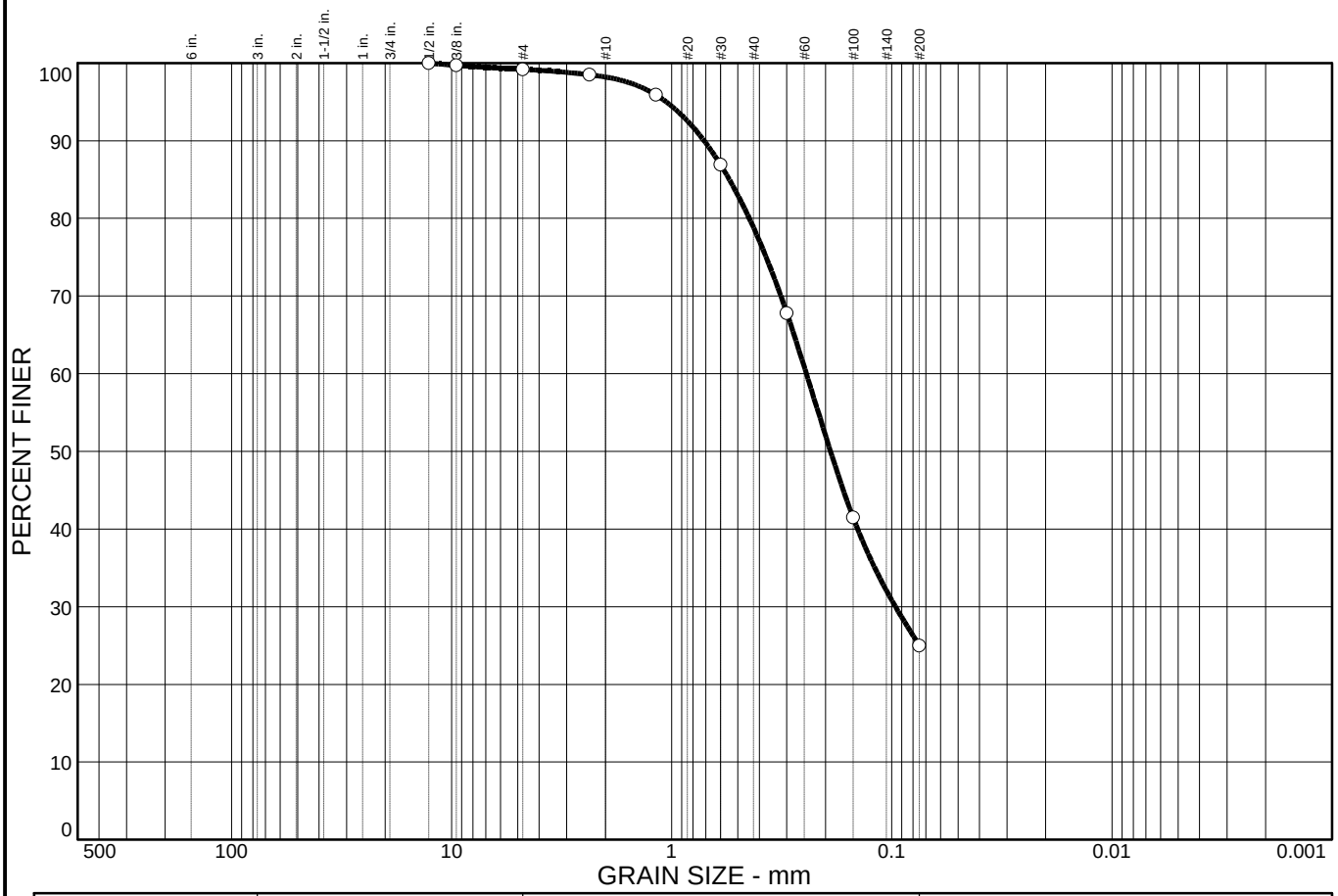
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.8	1.0	19.4	53.8	25.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1/2 in.	100.0		
3/8 in.	99.7		
#4	99.2		
#8	98.5		
#16	95.9		
#30	86.9		
#50	67.8		
#100	41.5		
#200	25.0		

* (no specification provided)

Material Description

Silty sand

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.547 D_{60}= 0.245 D_{50}= 0.190
D_{30}= 0.0962 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO=

Remarks

Sample No.: B-12 **Source of Sample:** **Date:** 11/24/25
Location: **Elev./Depth:** 0-3'

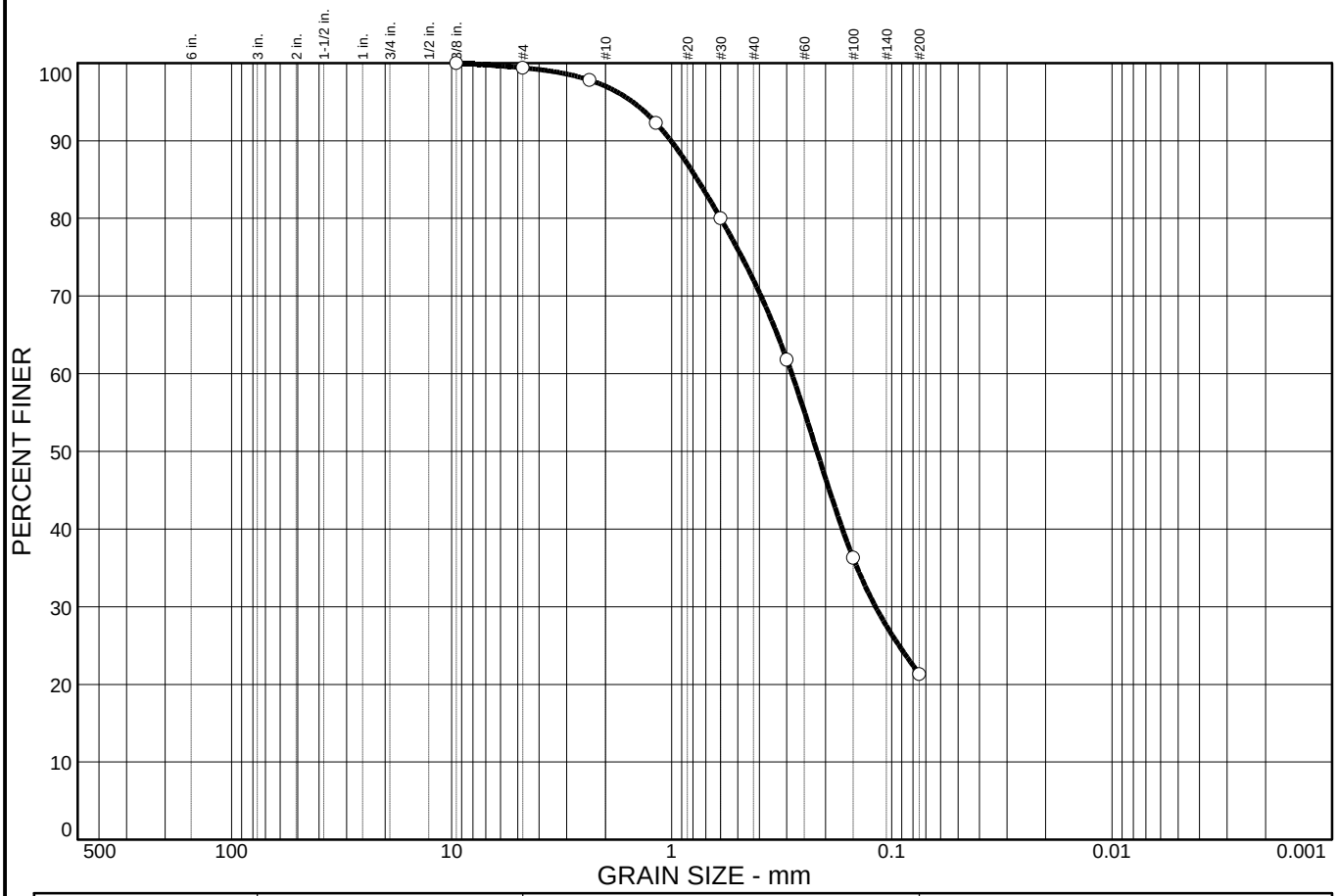
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.6	2.4	25.0	50.7	21.3	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8 in.	100.0		
#4	99.4		
#8	97.8		
#16	92.3		
#30	80.0		
#50	61.8		
#100	36.3		
#200	21.3		

* (no specification provided)

Material Description

Silty sand

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.764 D_{60}= 0.285 D_{50}= 0.219
D_{30}= 0.119 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO=

Remarks

Sample No.: B-12 **Source of Sample:** **Date:** 11/24/25
Location: **Elev./Depth:** 10-11.5'

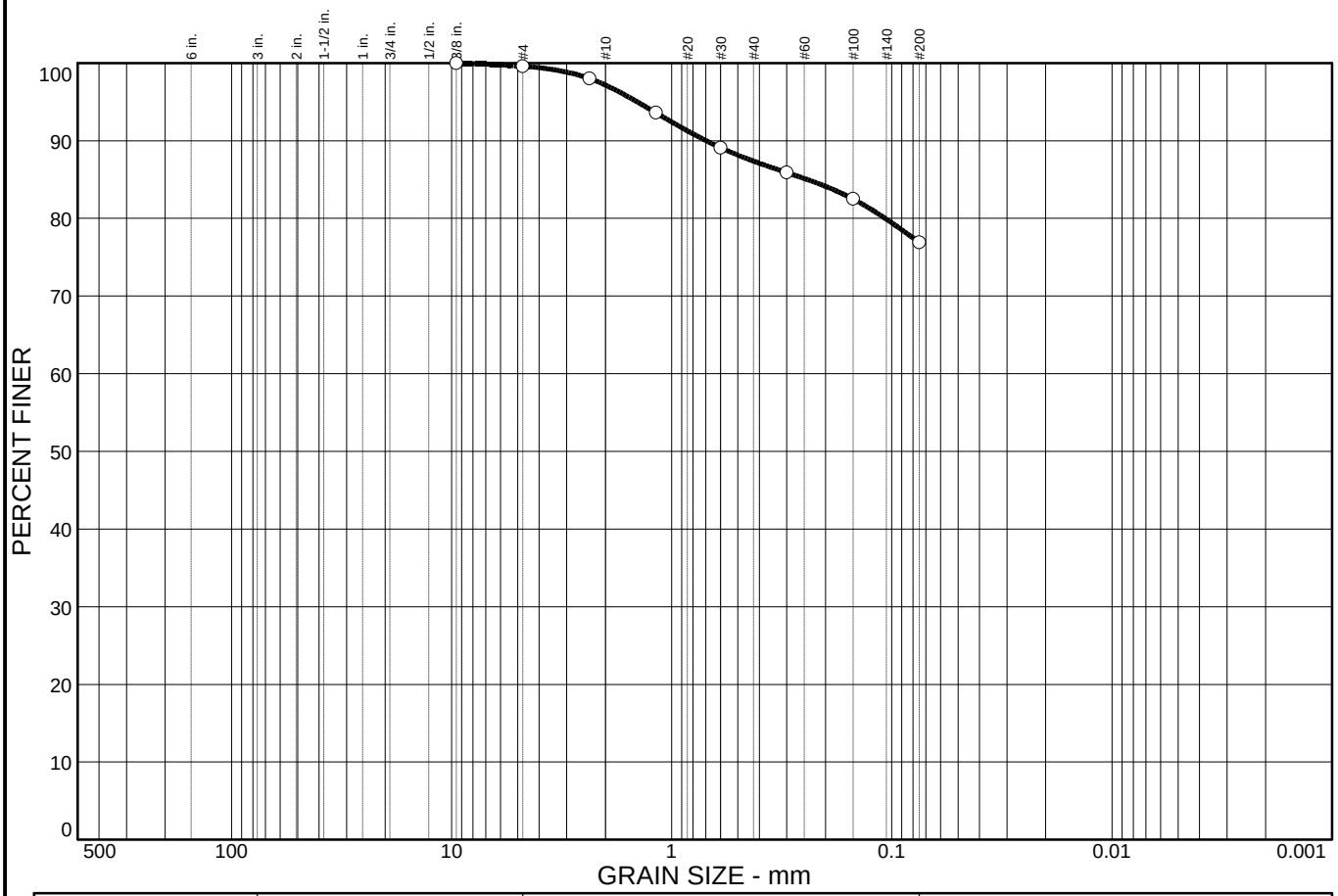
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.4	2.4	9.8	10.5	76.9	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8 in.	100.0		
#4	99.6		
#8	98.0		
#16	93.6		
#30	89.1		
#50	85.9		
#100	82.5		
#200	76.9		

* (no specification provided)

Material Description

Lean clay with sand

Atterberg Limits

PL= 15 LL= 24 PI= 9

Coefficients

D_{85}= 0.242 D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= CL AASHTO=

Remarks

Sample No.: B-12 **Source of Sample:** **Date:** 11/24/25
Location: **Elev./Depth:** 21.5-23.0'

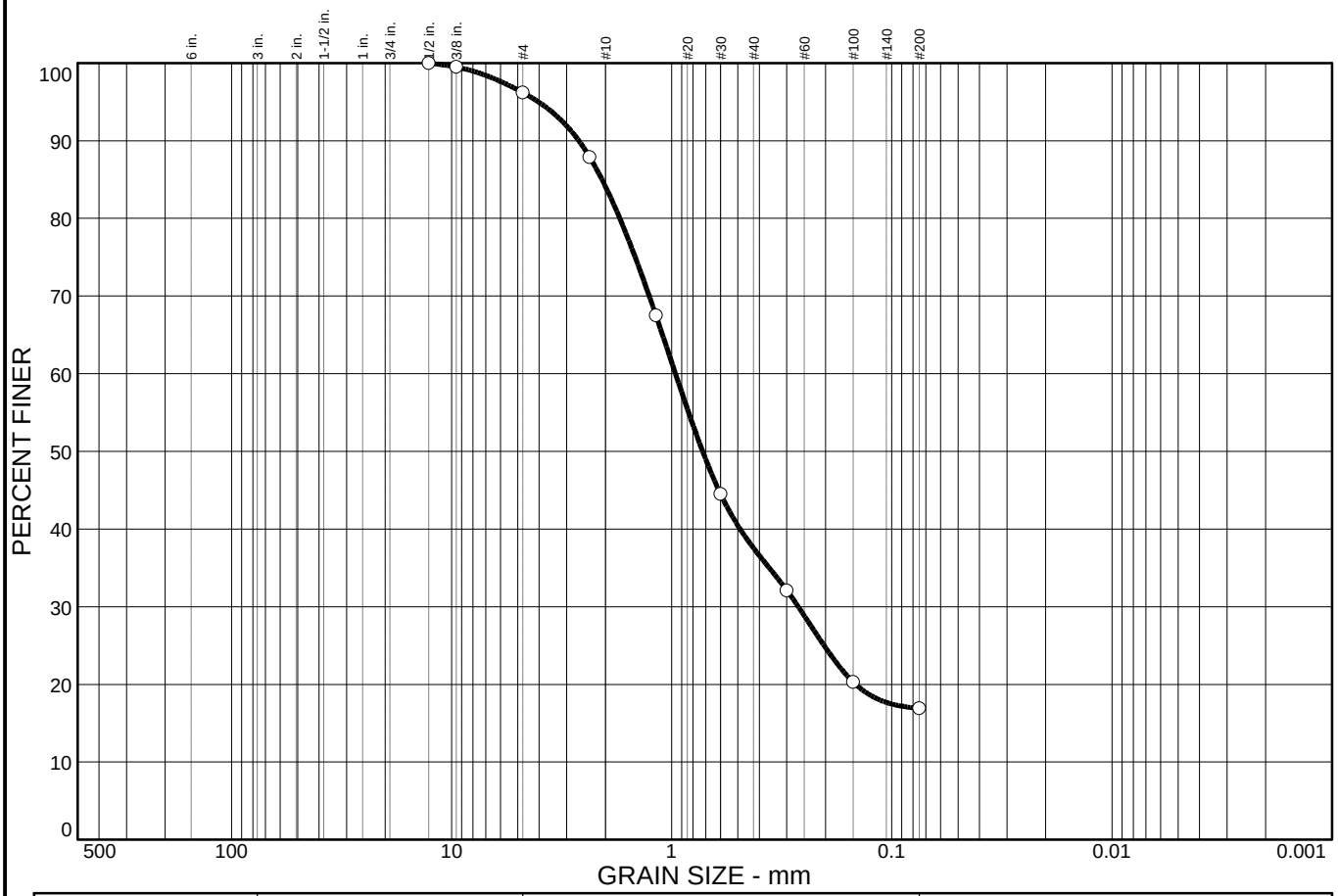
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	3.8	12.1	46.6	20.6	16.9	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1/2 in.	100.0		
3/8 in.	99.5		
#4	96.2		
#8	87.9		
#16	67.5		
#30	44.5		
#50	32.1		
#100	20.3		
#200	16.9		

* (no specification provided)

Material Description

Silty sand

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 2.07 D_{60}= 0.962 D_{50}= 0.724
D_{30}= 0.266 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO=

Remarks

Sample No.: B-13 **Source of Sample:** **Date:** 11/24/25
Location: **Elev./Depth:** 20-21.5'

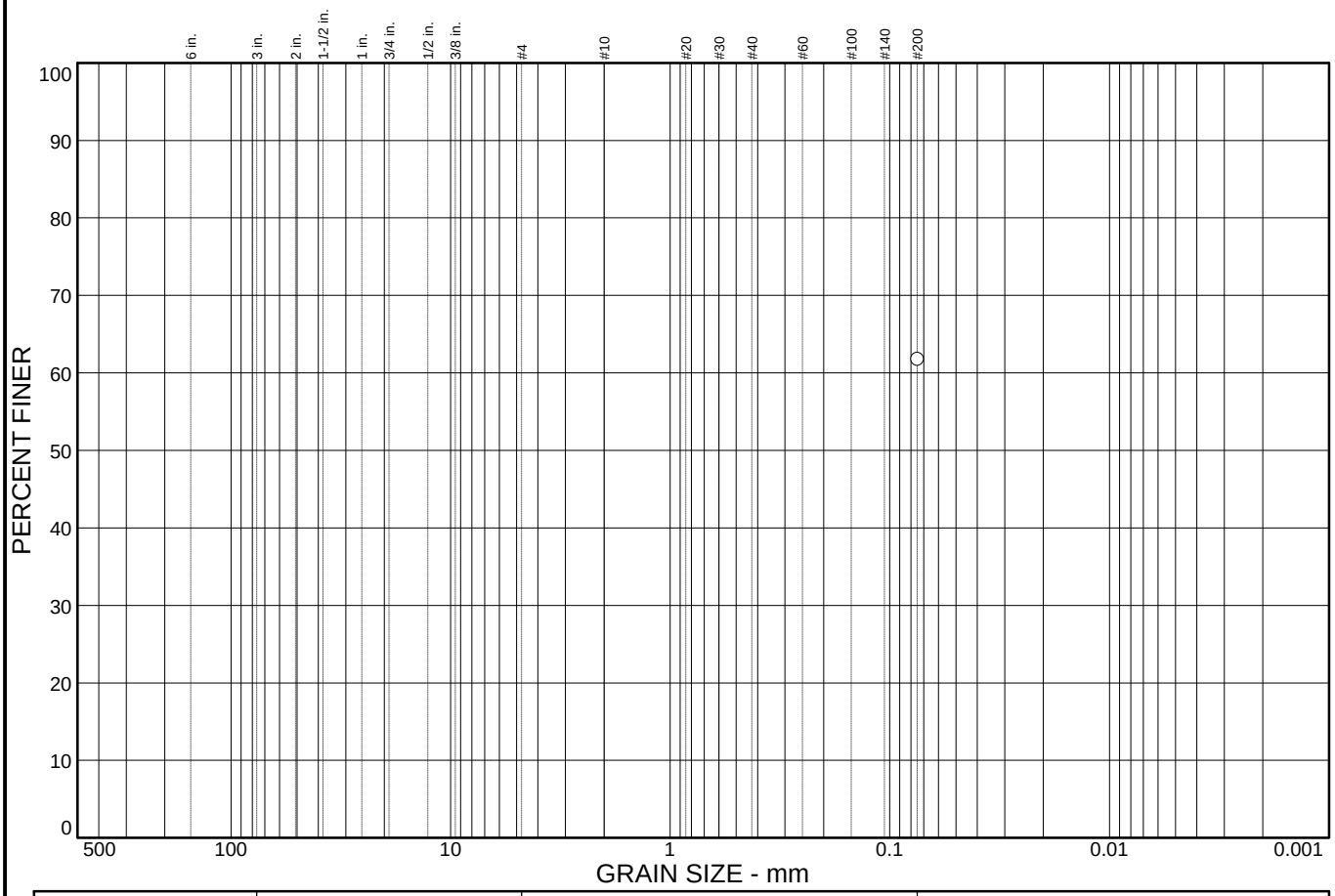
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
						61.8	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	61.8		

Material Description

Sandy silt

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= ML AASHTO=

Remarks

* (no specification provided)

Sample No.: B-14 **Source of Sample:** **Date:** 1/7/26
Location: **Elev./Depth:** 25-26.5'

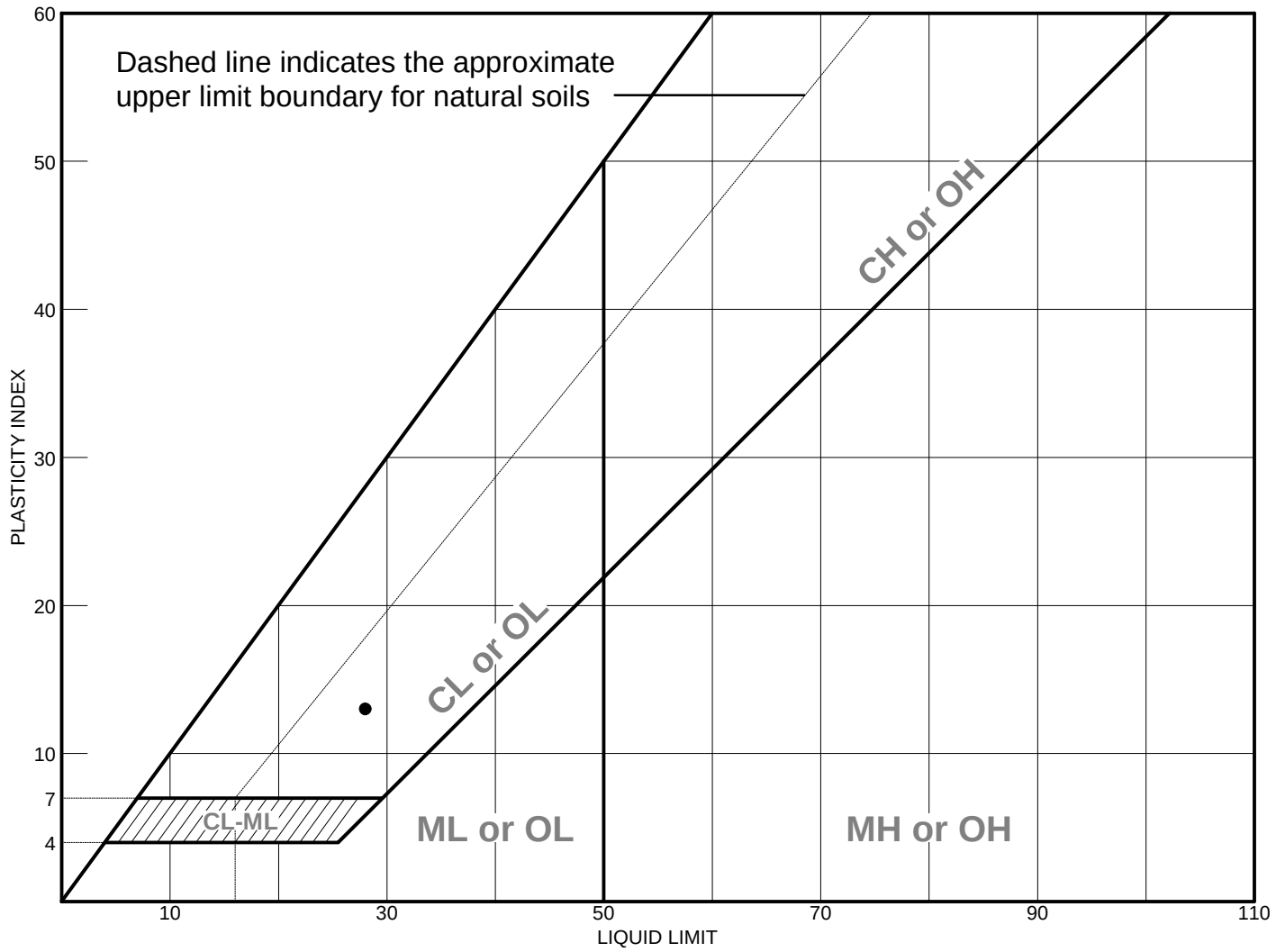
Moore Twining Associates, Inc.

Fresno, CA

Client: Precision Civil Engineering
Project: Courthouse Park Site, Fresno, CA

Project No: C88004.01-03 **Figure**

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Sandy lean clay	28	15	13	93.4	69.7	CL

Project No. C88004.01-03 **Client:** Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-2 **Elev./Depth:** 30-31.5'

Remarks:

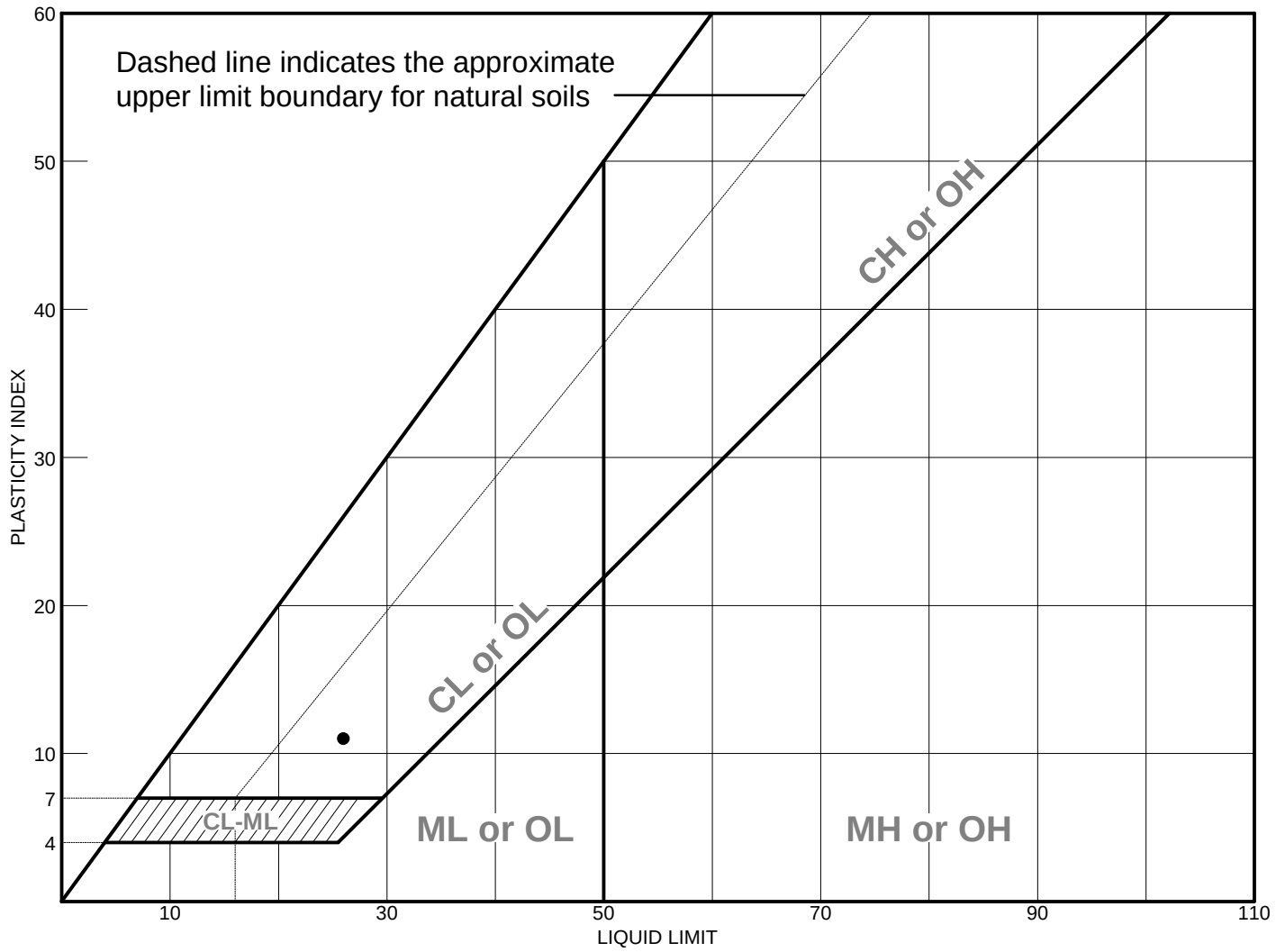
●

Moore Twining Associates, Inc.

Fresno, CA

Figure

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Lean clay	26	15	11			CL

Project No. C88004.01-03 **Client:** Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-3 **Elev./Depth:** 35-36.5'

Remarks:

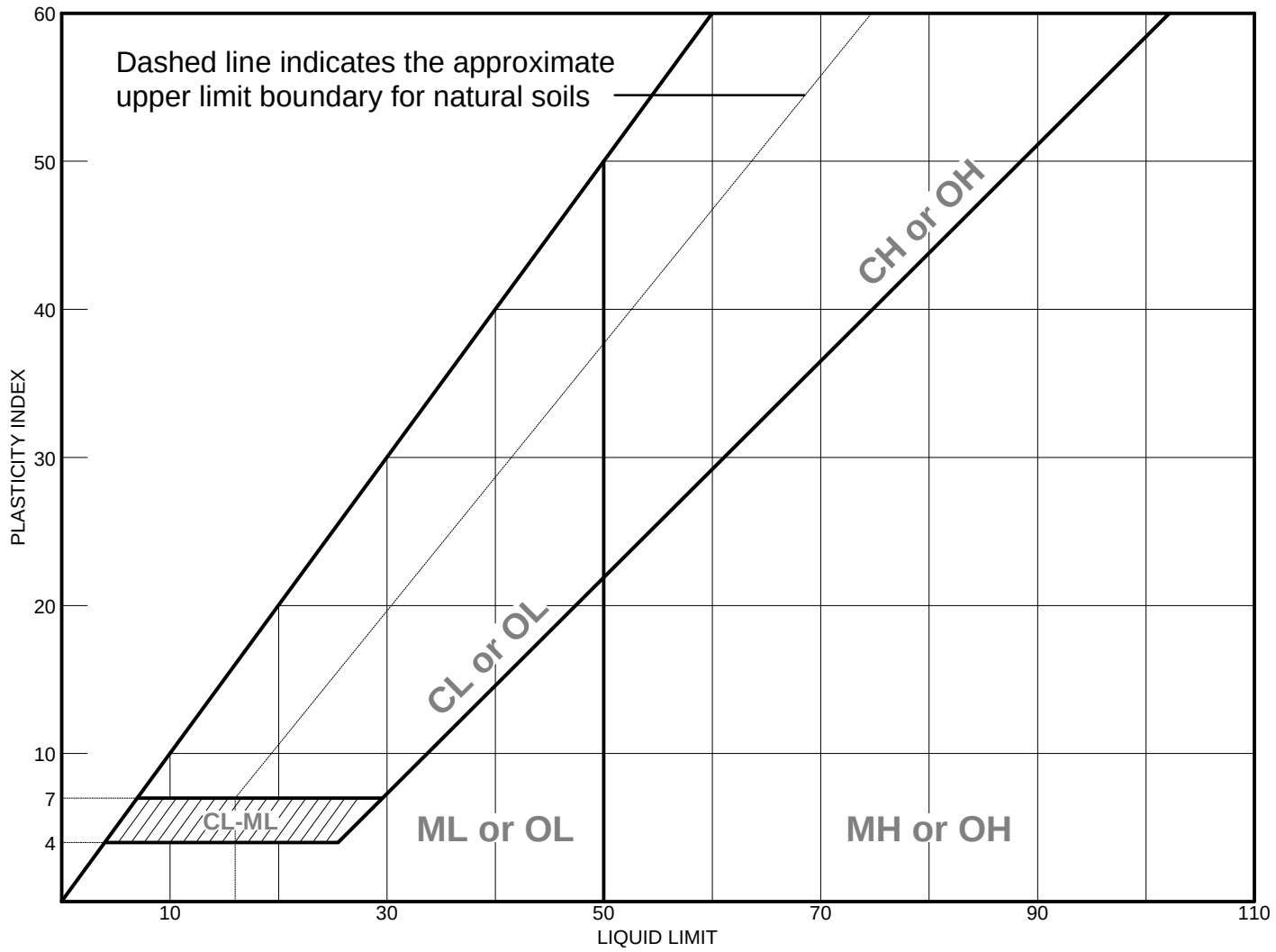
●

Moore Twining Associates, Inc.

Fresno, CA

Figure

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Silty sand	NV	NP	NP	75.9	20.1	SM

Project No. C88004.01-03 **Client:** Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-4 **Elev./Depth:** 6.5-8'

Remarks:

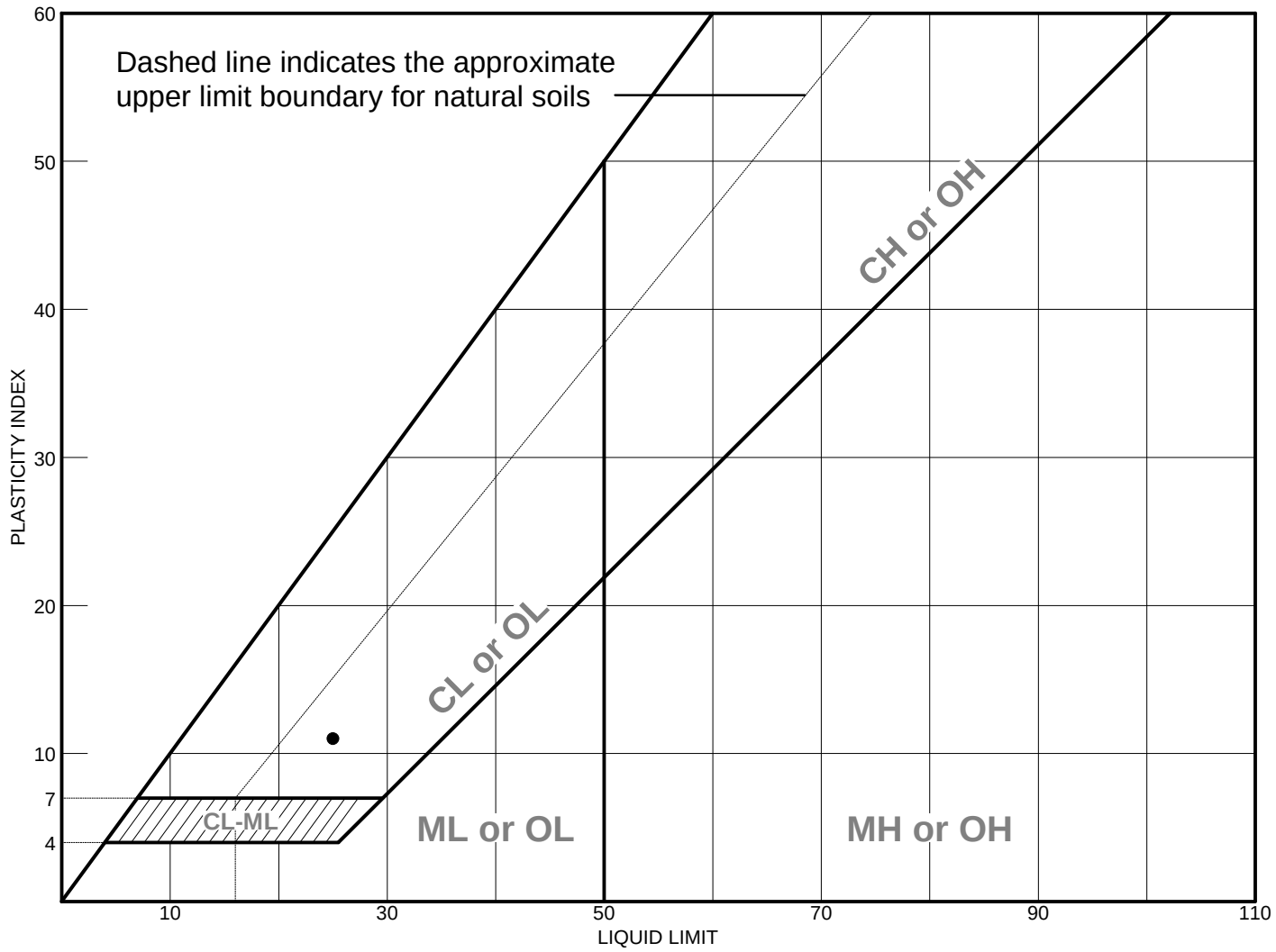
●

Moore Twining Associates, Inc.

Fresno, CA

Figure

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Sandy lean clay	25	14	11	85.9	58.3	CL

Project No. C88004.01-03 **Client:** Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-4 **Elev./Depth:** 20-21.5'

Remarks:

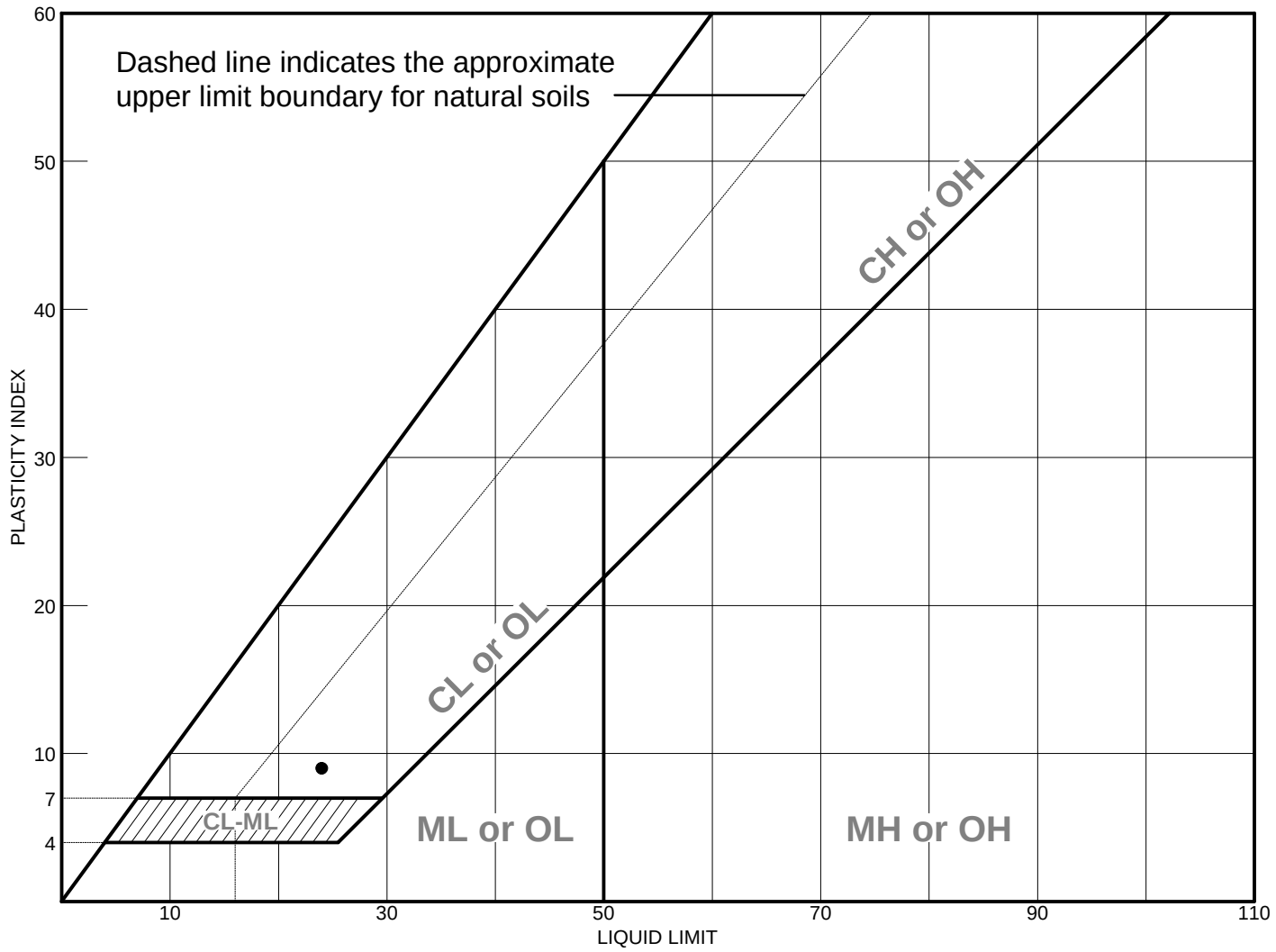
●

Moore Twining Associates, Inc.

Fresno, CA

Figure

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Lean clay	24	15	9			CL

Project No. C88004.01-03 **Client:** Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-4 **Elev./Depth:** 35-36.5'

Remarks:

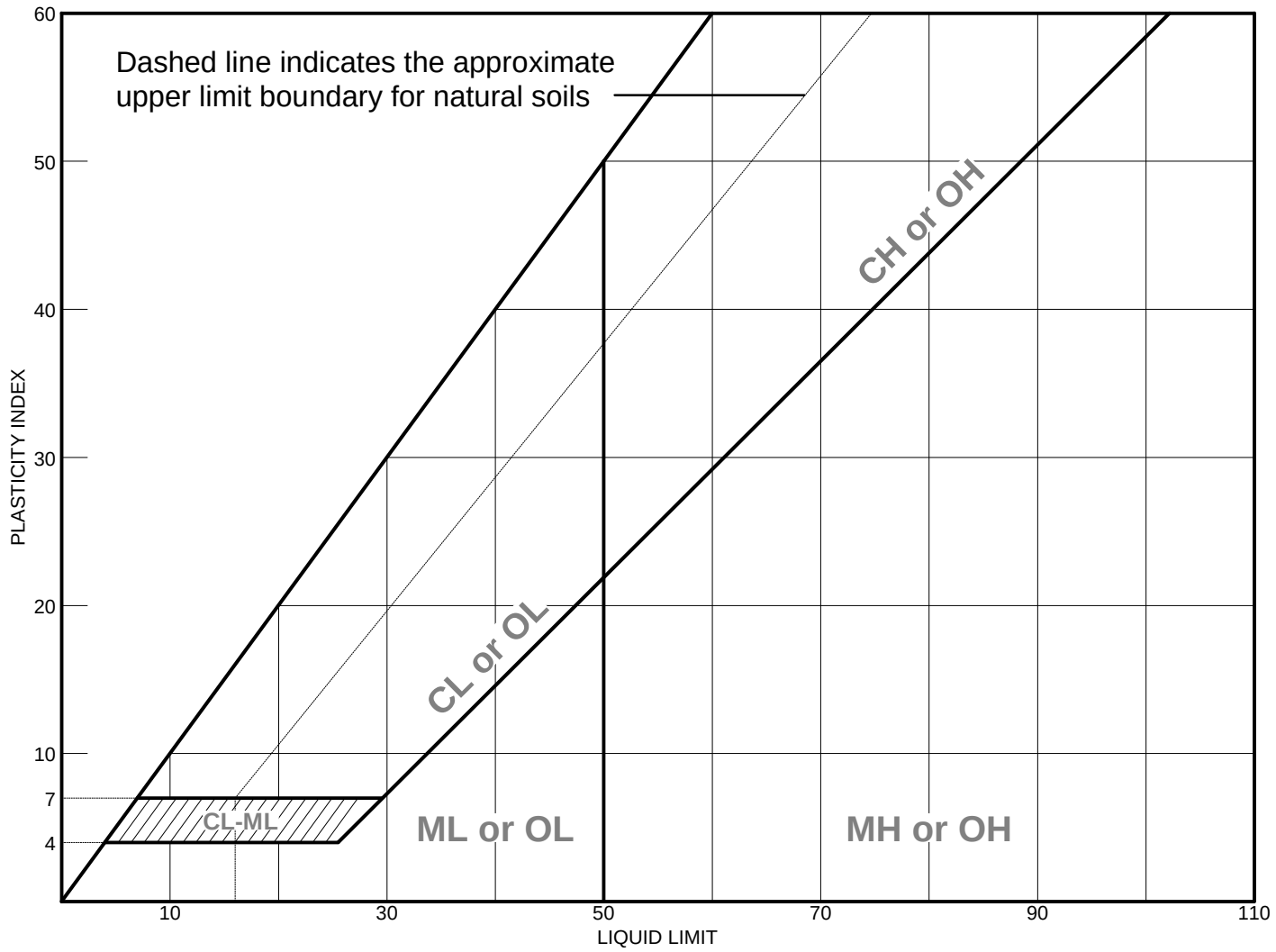
●

Moore Twining Associates, Inc.

Fresno, CA

Figure

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Silty sand	NV	NP	NP	66.7	26.5	SM

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-8 **Elev./Depth:** 7-11'

Remarks:

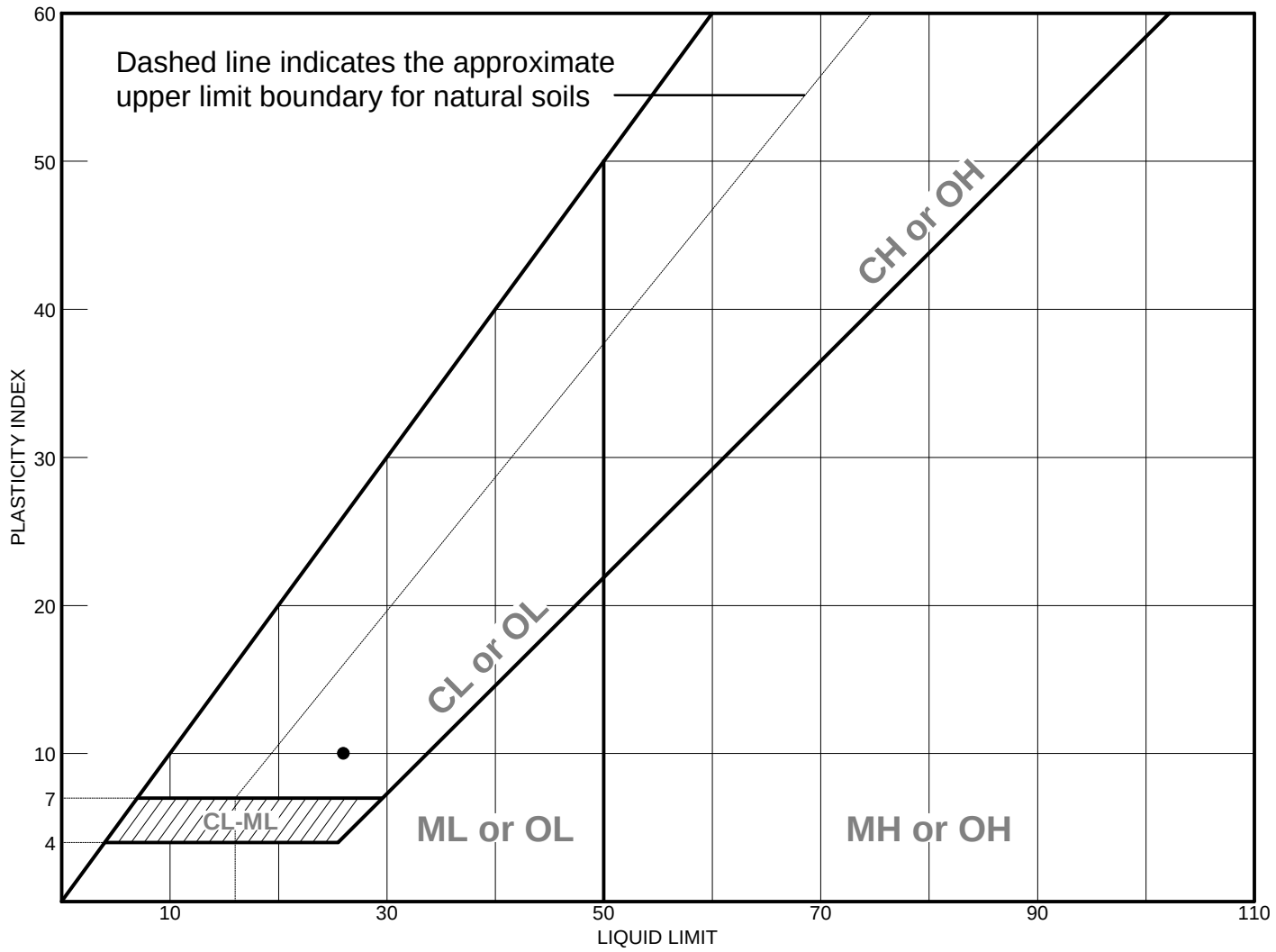
●

Moore Twining Associates, Inc.

Fresno, CA

Figure

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Lean clay with sand	26	16	10	97.9	70.8	CL

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-8 **Elev./Depth:** 20-21.5'

Remarks:

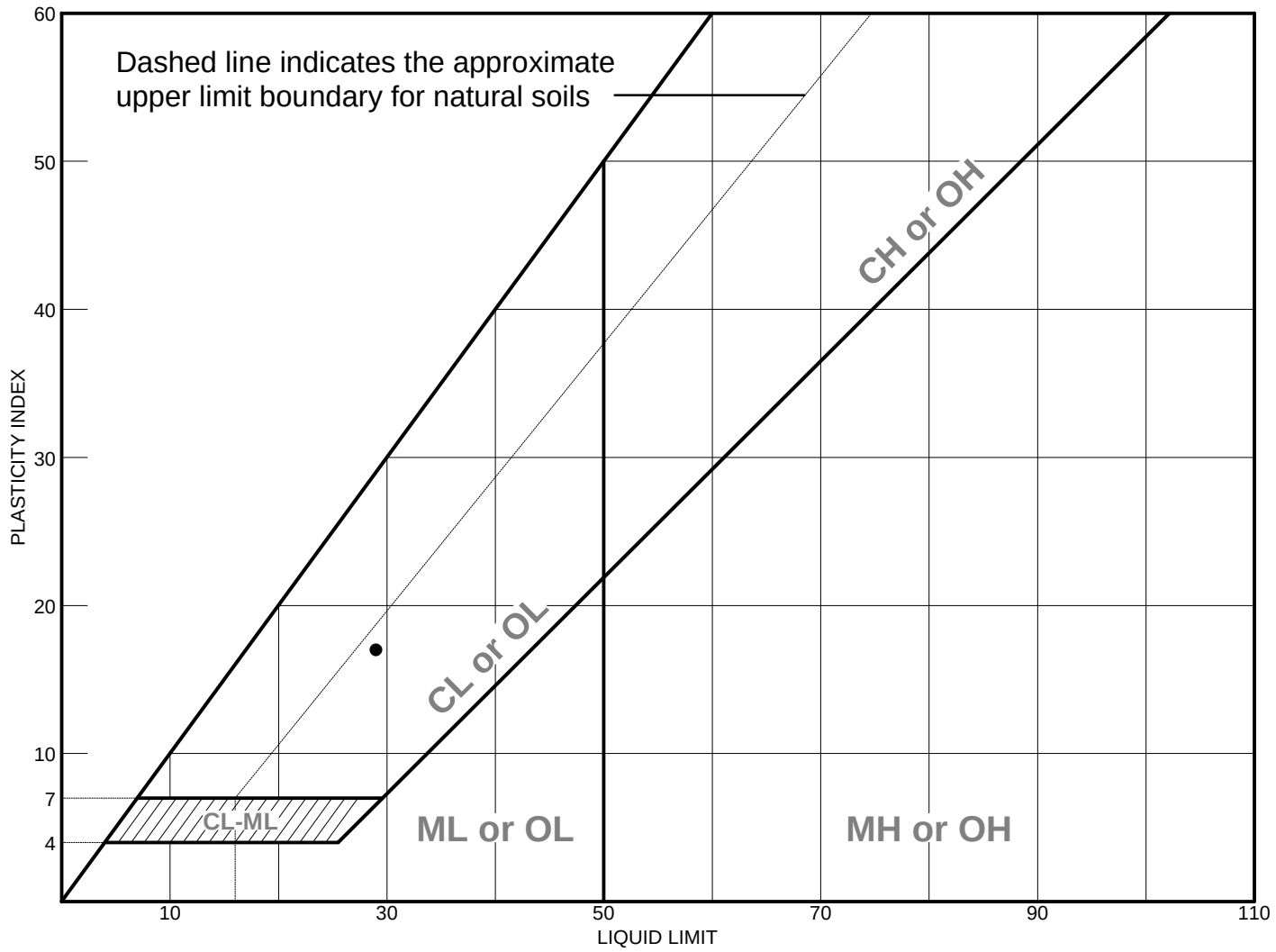
●

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Fresno, CA

Figure

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Lean clay	29	12	17			CL

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-9 **Elev./Depth:** 20-21.5'

Remarks:

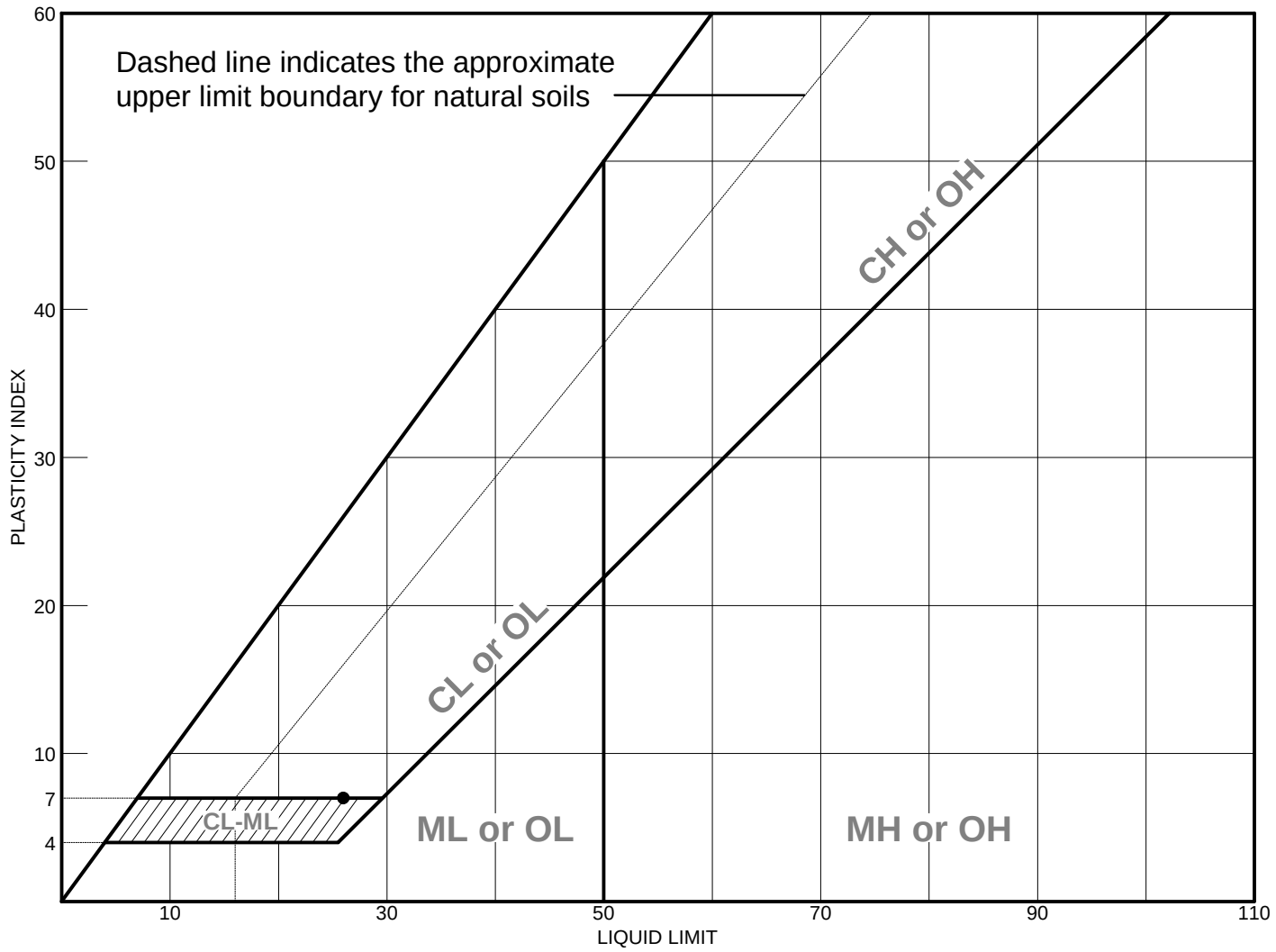
●

Moore Twining Associates, Inc.

Fresno, CA

Figure

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Silty clay	26	19	7	97.2	89.9	CL-ML

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-10 **Elev./Depth:** 22.5-24.0'

Remarks:

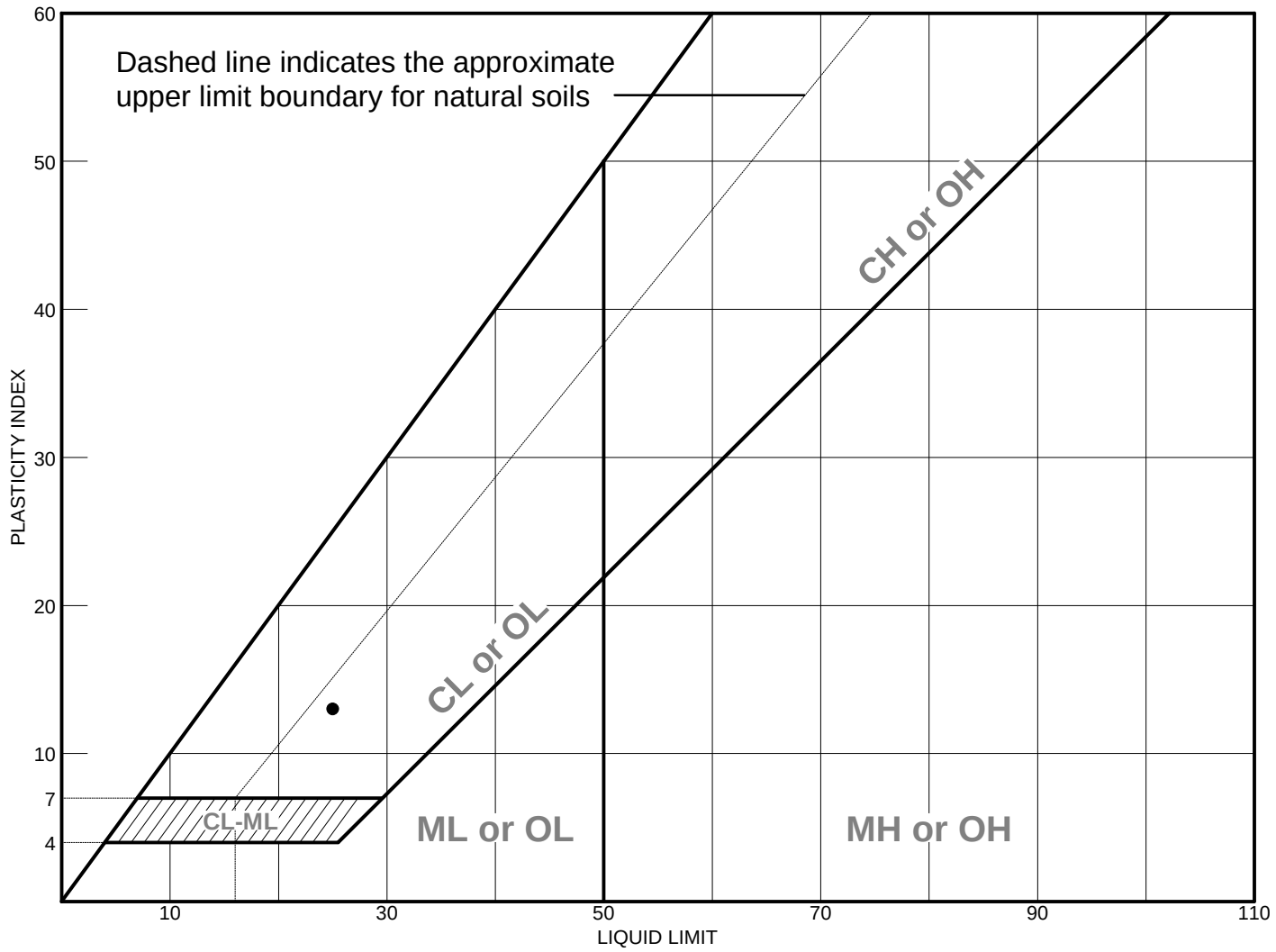
●

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Figure

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Lean clay	25	12	13			CL

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-10 **Elev./Depth:** 35-36.5'

Remarks:

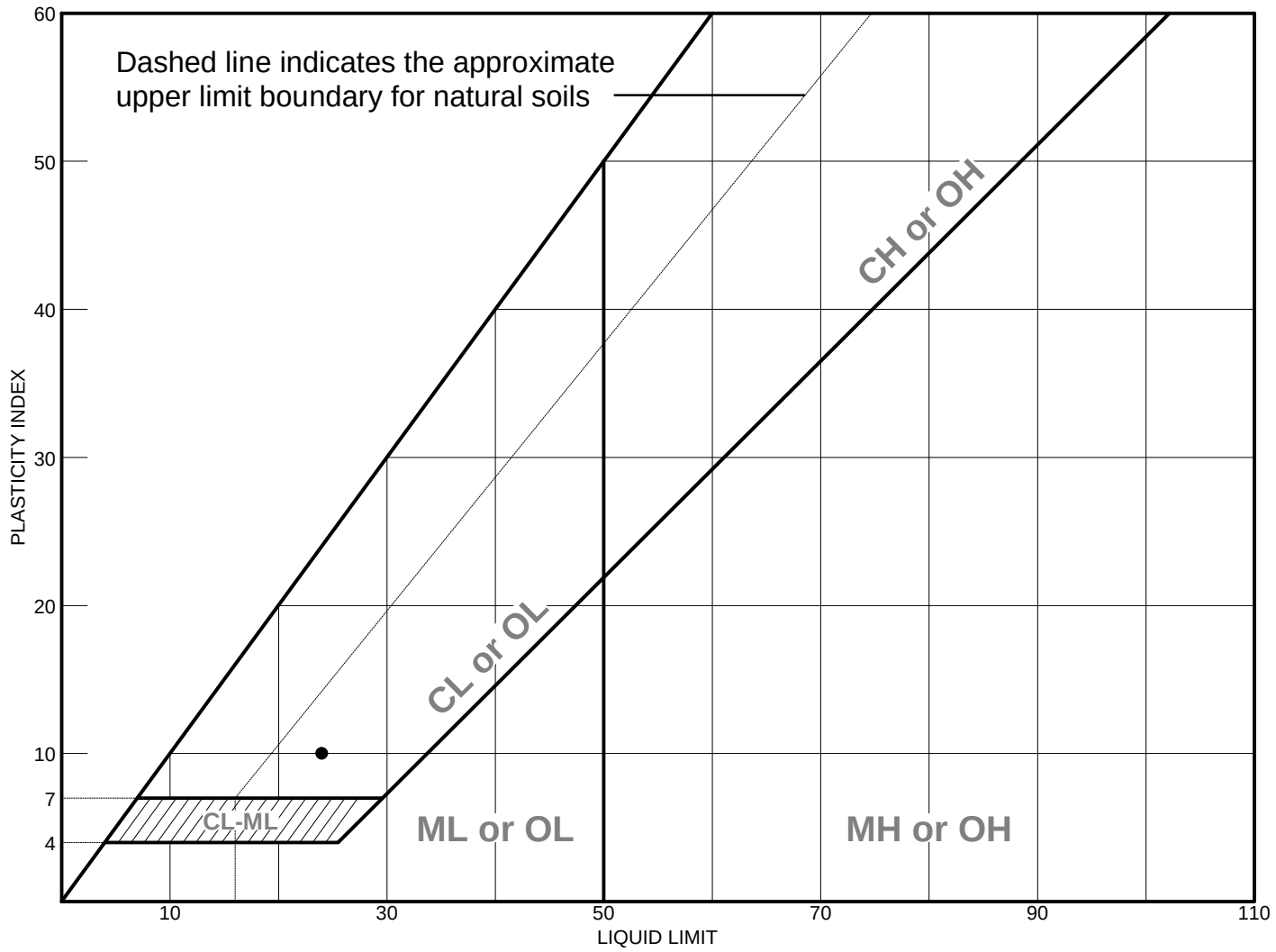
●

Moore Twining Associates, Inc.

Fresno, CA

Figure

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Lean clay	24	14	10			CL

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-11 **Elev./Depth:** 23.5-24.5'

Remarks:

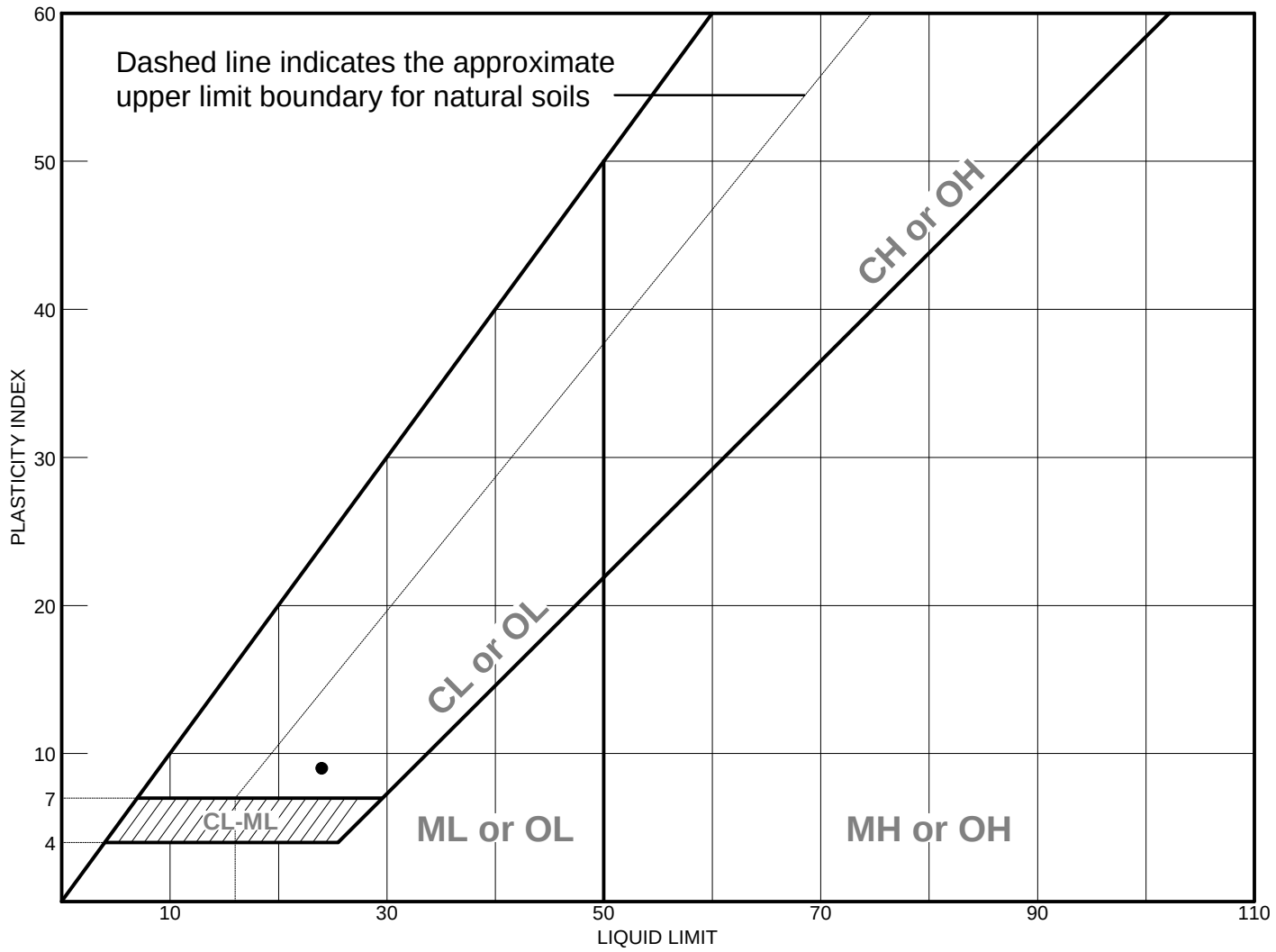
●

Moore Twining Associates, Inc.

Fresno, CA

Figure

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Lean clay with sand	24	15	9	87.4	76.9	CL

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-12 **Elev./Depth:** 21.5-23.0'

Remarks:

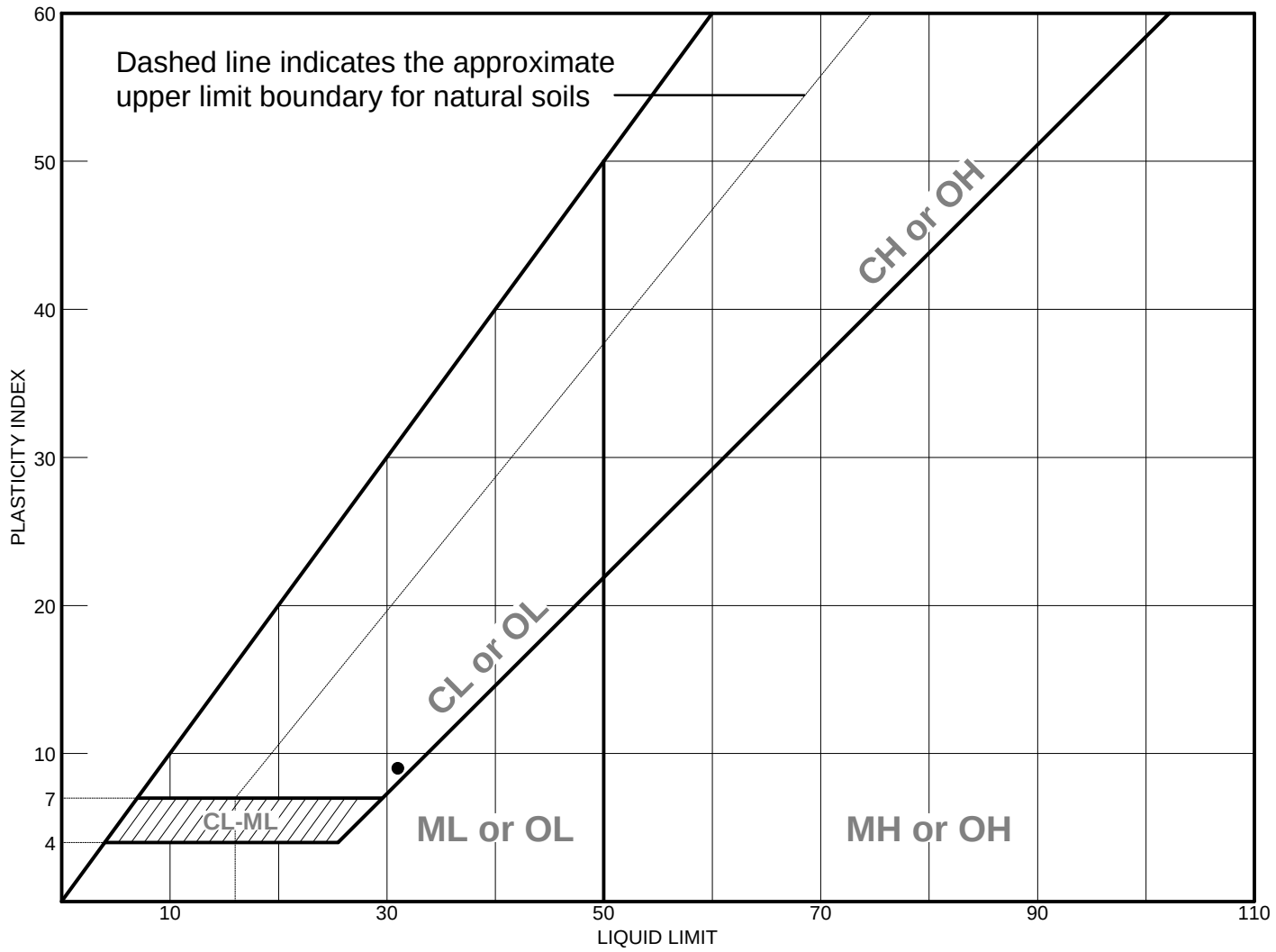
●

Moore Twining Associates, Inc.

Fresno, CA

Figure

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Lean clay	31	22	9			CL

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-12 **Elev./Depth:** 45-46'

Remarks:

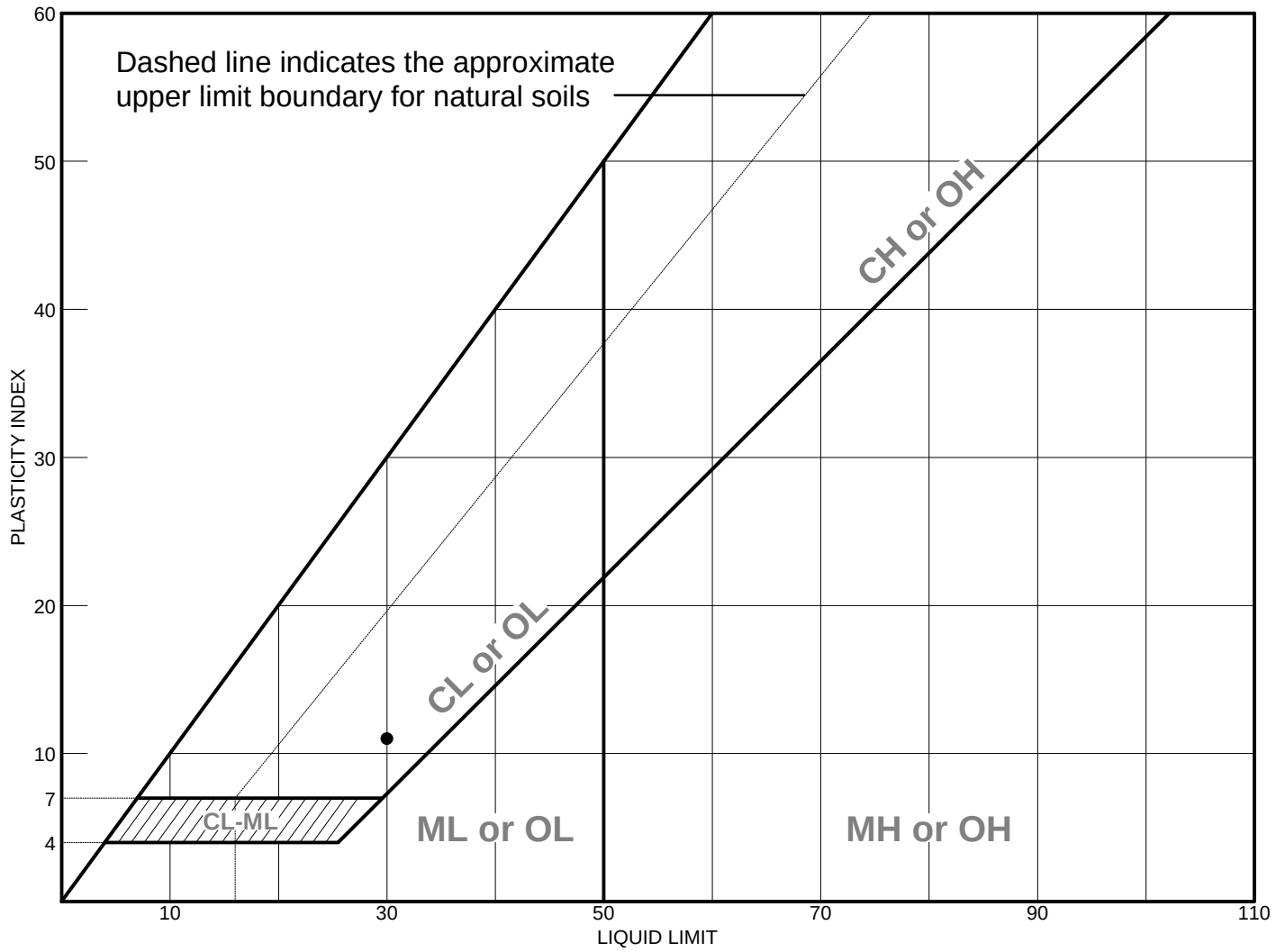
●

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Fresno, CA

Figure

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Lean clay	30	19	11			CL

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-13 **Elev./Depth:** 24.3-25.8'

Remarks:

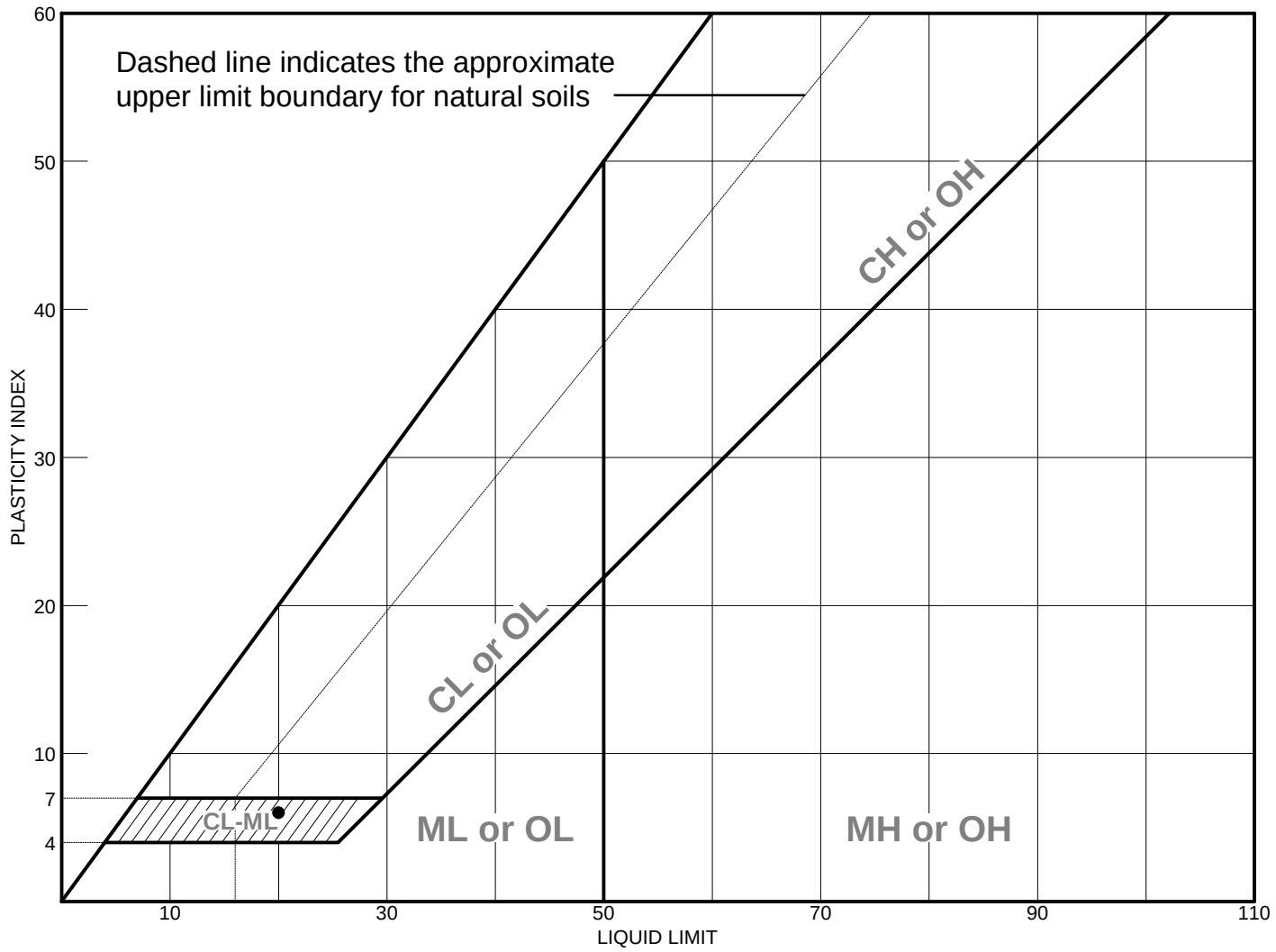
●

Moore Twining Associates, Inc.

Fresno, CA

Figure

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Lean clay	20	14	6			CL

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-13 **Elev./Depth:** 50-51.5'

Remarks:

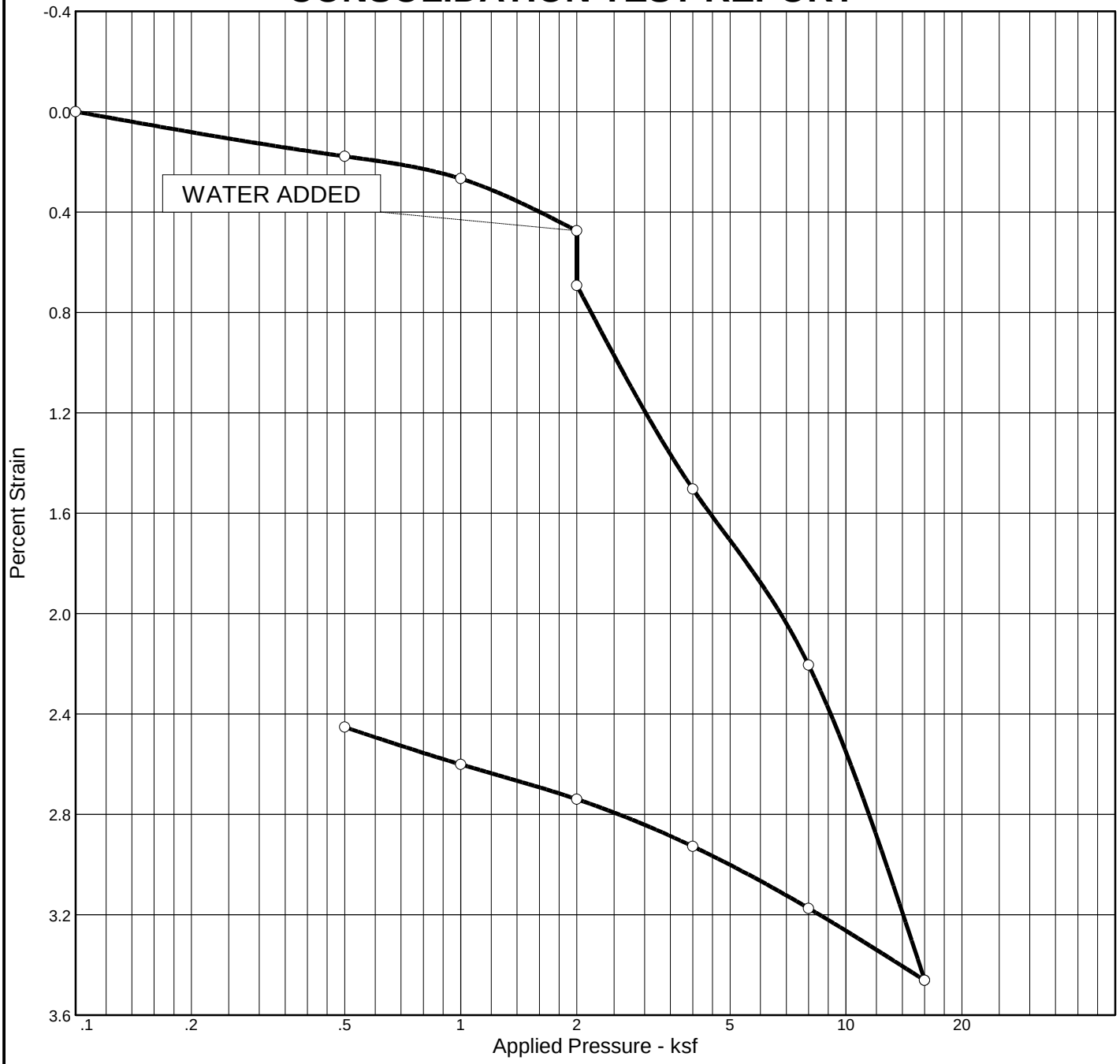
●

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Fresno, CA

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
13.0 %	2.9 %	103.3			2.65		8.54	0.07	0.01		0.2	0.601

MATERIAL DESCRIPTION	USCS	AASHTO
Silty sand	SM	

Project No. C88004.01-03 **Client:** Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno, CA

Source: **Sample No.:** B-1 **Elev./Depth:** 22.5-24'

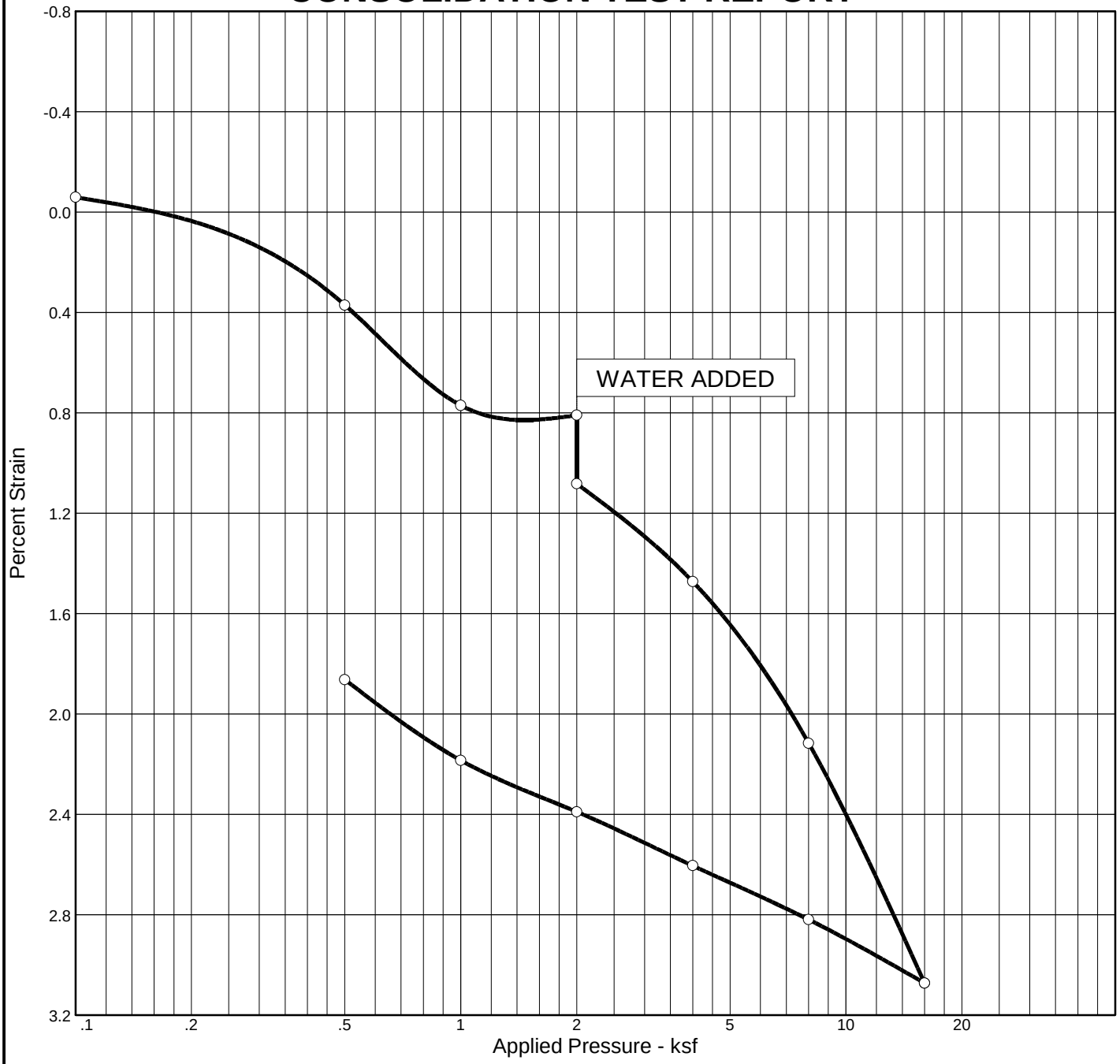
Moore Twining Associates, Inc.

Fresno, CA

Remarks:

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
75.2 %	10.6 %	120.3			2.65		3.70	0.04	0.01		0.3	0.375

MATERIAL DESCRIPTION	USCS	AASHTO
Clayey sand	SC	

Project No. C88004.01-03 **Client:** Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno, CA

Source: **Sample No.:** B-2 **Elev./Depth:** 20-21.5'

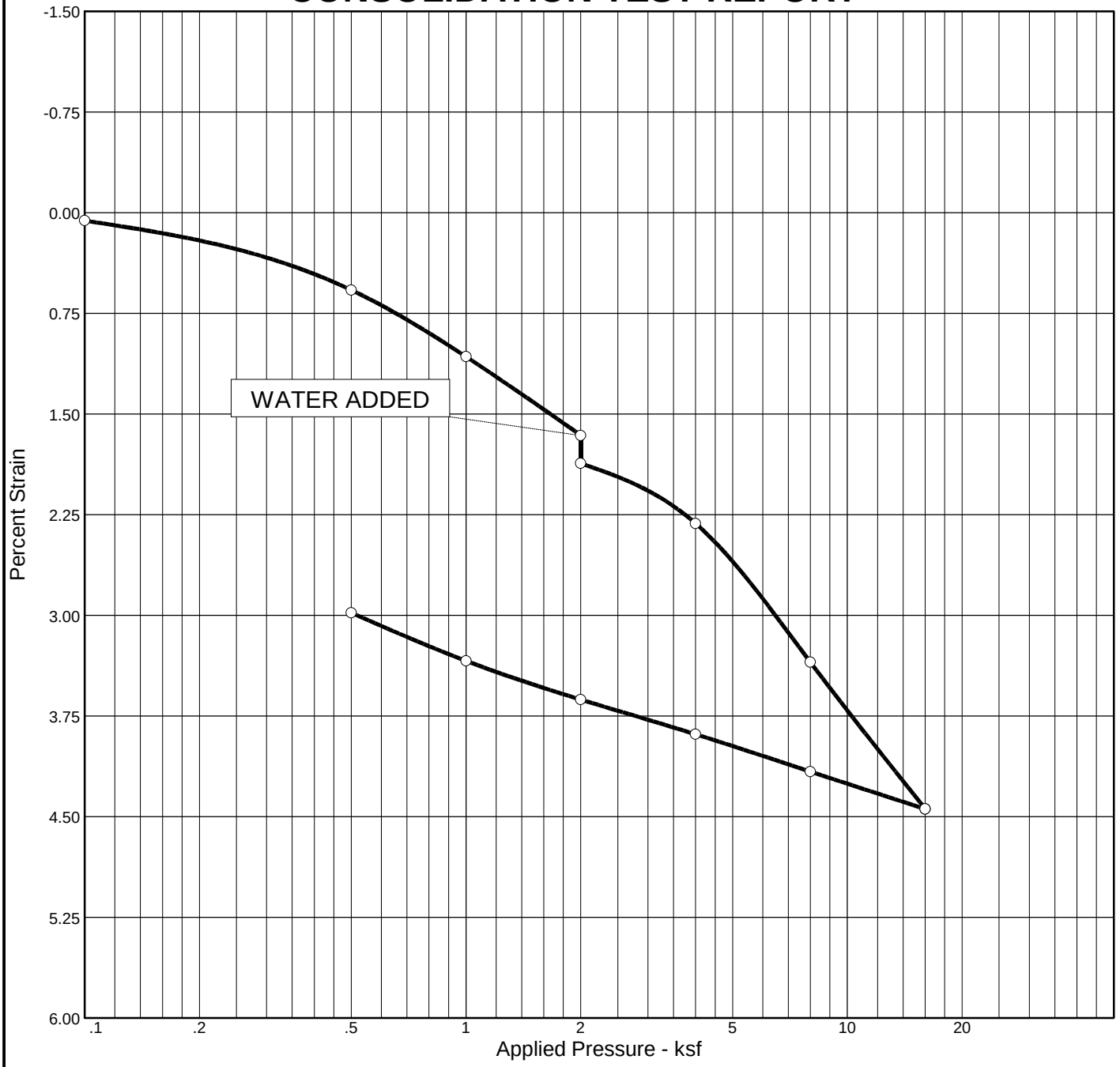
Moore Twining Associates, Inc.

Fresno, CA

Remarks:

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
95.8 %	22.5 %	101.9	28	13	2.65		4.17	0.06	0.02		0.2	0.623

MATERIAL DESCRIPTION	USCS	AASHTO
Sandy lean clay	CL	

Project No. C88004.01-03 **Client:** Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno, CA

Source: **Sample No.:** B-2 **Elev./Depth:** 30-31.5'

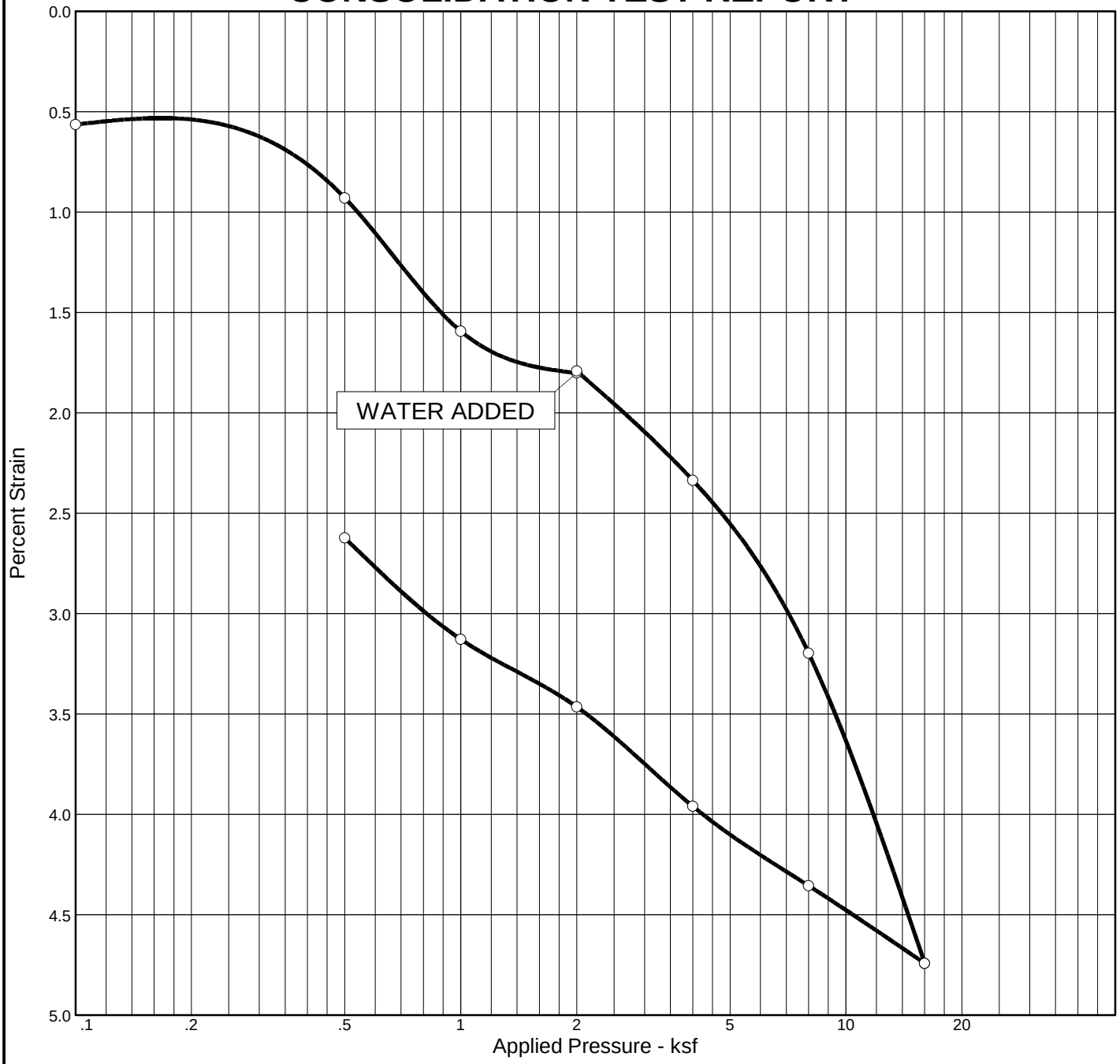
Moore Twining Associates, Inc.

Fresno, CA

Remarks:

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Swell %	e_o
Sat.	Moist.											
80.6 %	10.6 %	122.7	26	11	2.65		5.30	0.07	0.02	2.03		0.349

MATERIAL DESCRIPTION	USCS	AASHTO
Lean clay	CL	

Project No. C88004.01-03 **Client:** Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno, CA

Source: **Sample No.:** B-3 **Elev./Depth:** 35-36.5'

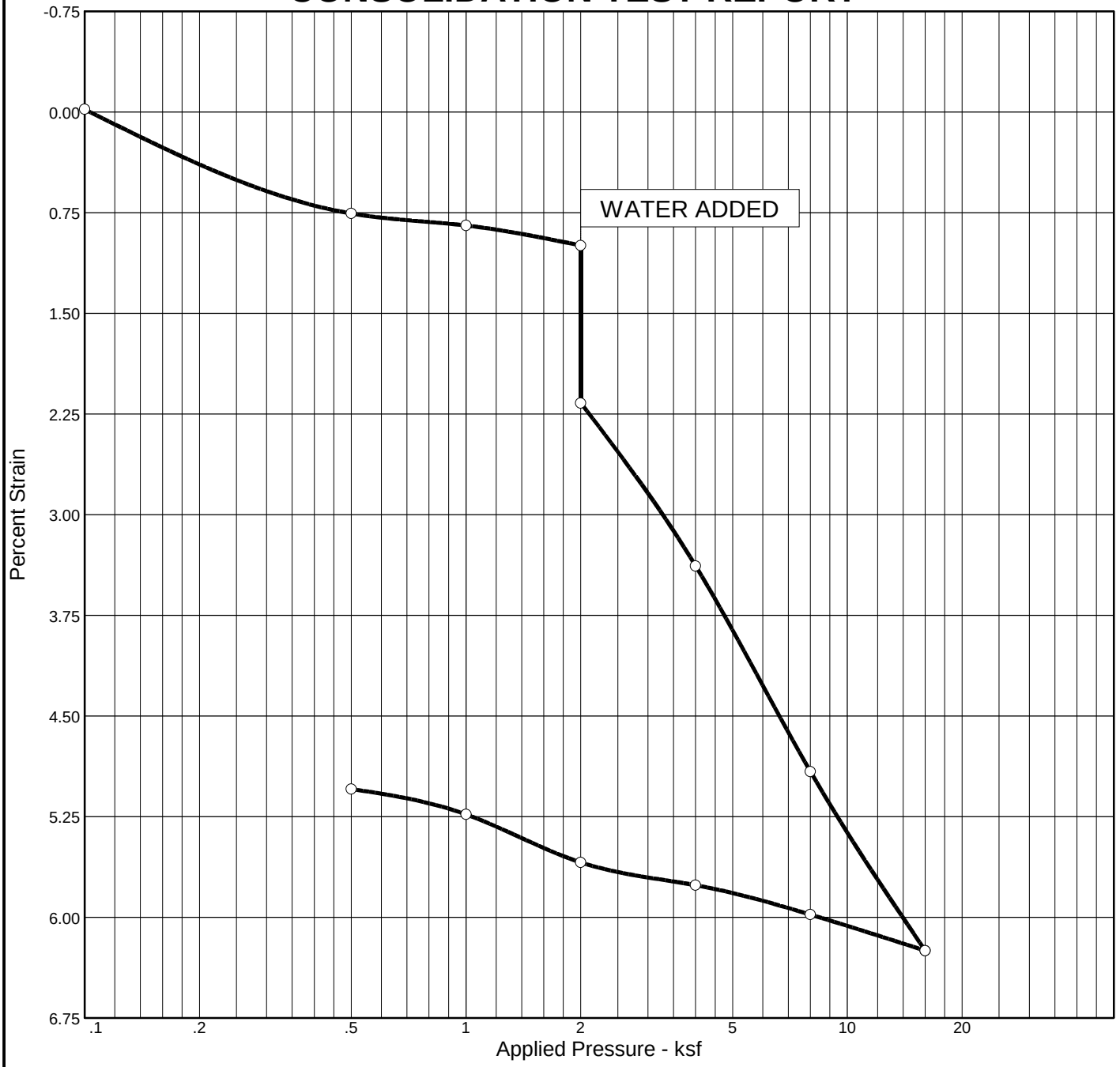
Moore Twining Associates, Inc.

Fresno, CA

Remarks:

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
48.7 %	10.5 %	105.2			2.65		2.99	0.07	0.01		1.2	0.573

MATERIAL DESCRIPTION	USCS	AASHTO
Silty sand	SM	

Project No. C88004.01-03 **Client:** Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno, CA

Source: **Sample No.:** B-4 **Elev./Depth:** 20-21.5'

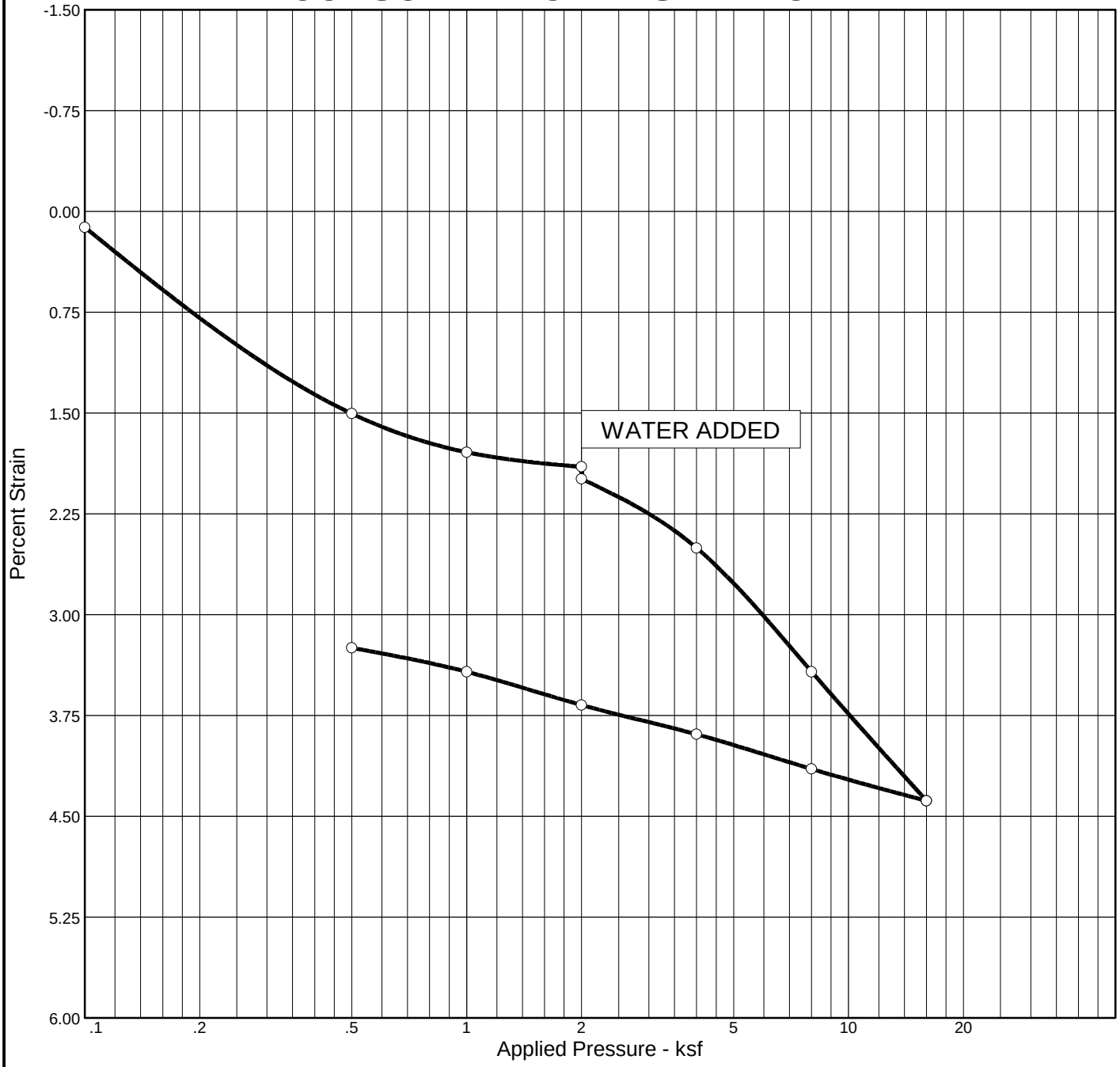
Moore Twining Associates, Inc.

Fresno, CA

Remarks:

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
23.4 %	4.4 %	110.4			2.65		4.13	0.05	0.01		0.1	0.498

MATERIAL DESCRIPTION	USCS	AASHTO
Lean clay	CL	

Project No. C88004.01-03 **Client:** Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno, CA

Source: **Sample No.:** B-5 **Elev./Depth:** 20-21.5'

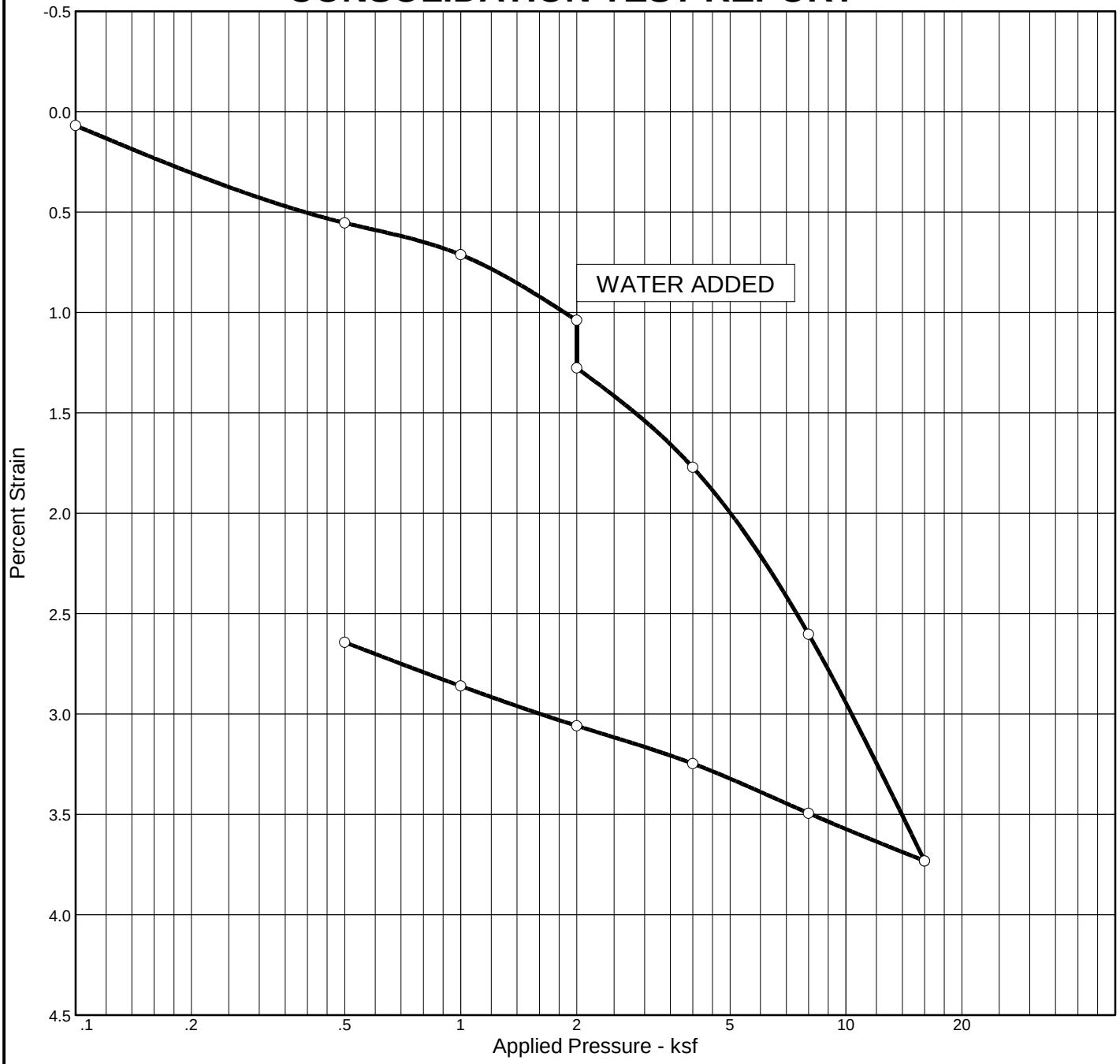
Moore Twining Associates, Inc.

Fresno, CA

Remarks:

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
97.6 %	11.2 %	126.8			2.65		5.32	0.05	0.01		0.3	0.305

MATERIAL DESCRIPTION	USCS	AASHTO

Project No. C88004.01-03 **Client:** Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno, CA

Source: **Sample No.:** B-5 **Elev./Depth:** 21-21.5'

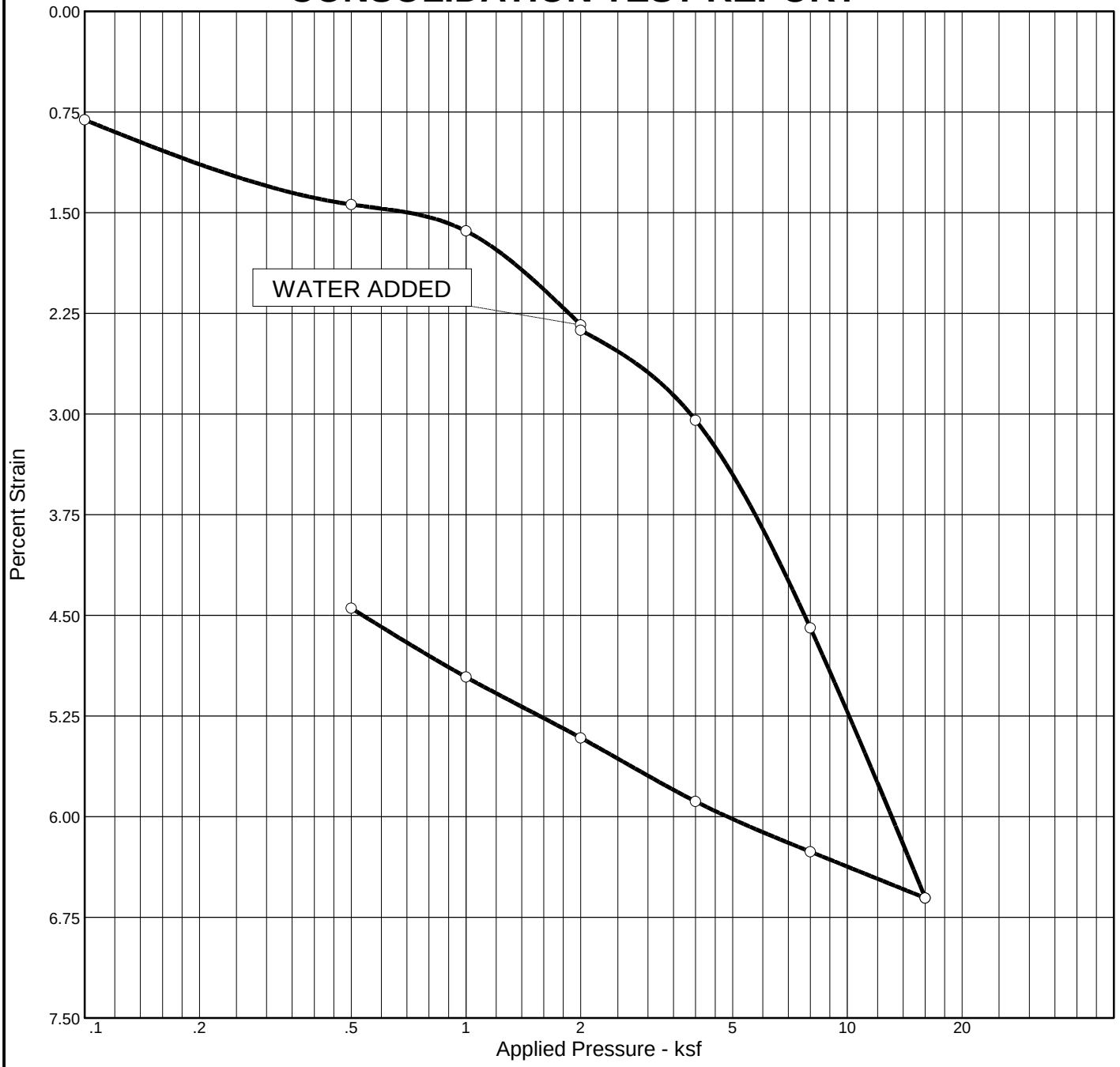
Moore Twining Associates, Inc.

Fresno, CA

Remarks:

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
97.8 %	31.8 %	88.8			2.65		5.08	0.13	0.03		0.1	0.862

MATERIAL DESCRIPTION	USCS	AASHTO

Project No. C88004.01-03 **Client:** Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno, CA

Source: **Sample No.:** B-5 **Elev./Depth:** 25-26.5'

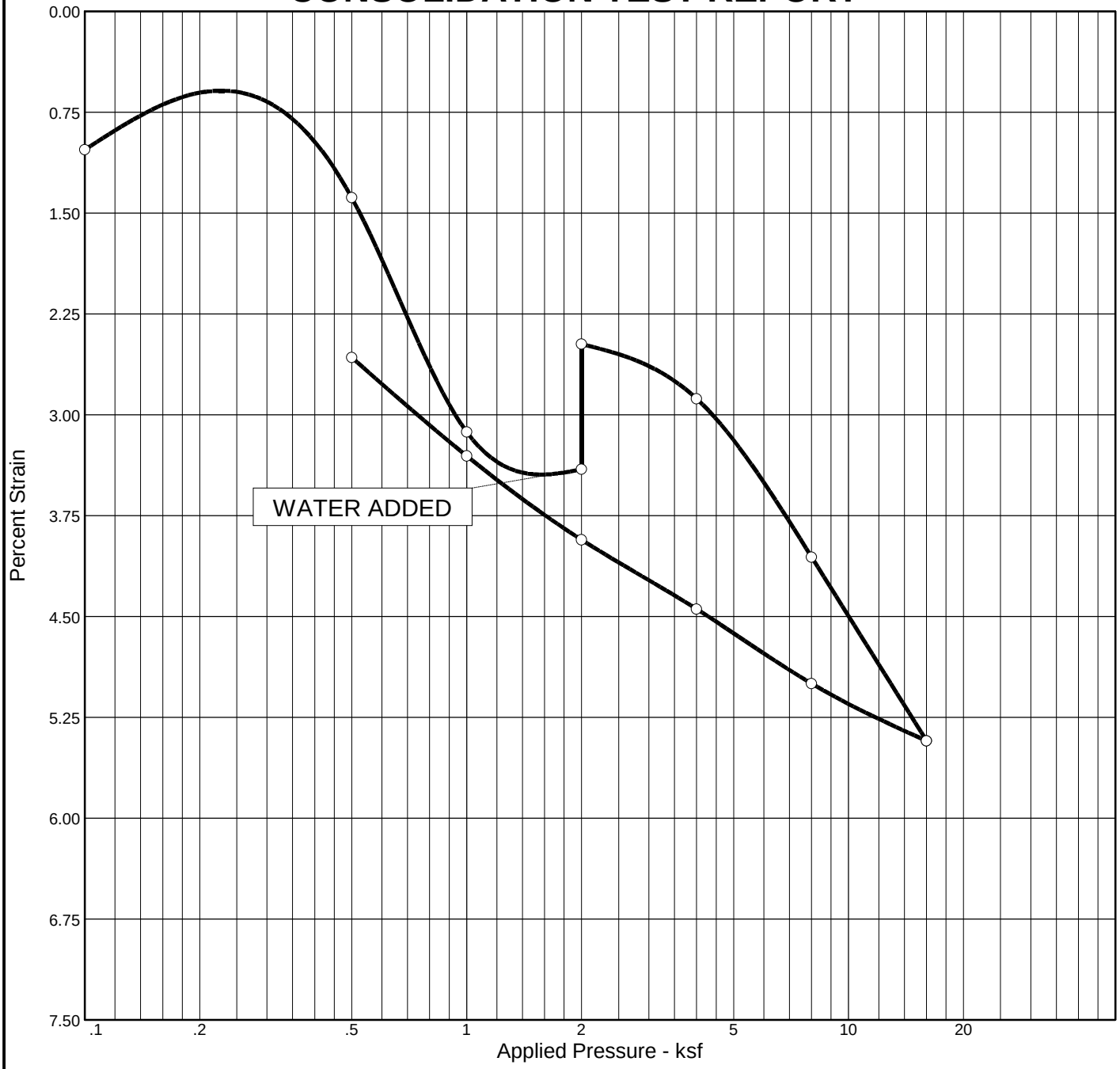
Moore Twining Associates, Inc.

Fresno, CA

Remarks:

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Swell %	e_o
Sat.	Moist.											
101.9 %	18.8 %	111.1			2.65		8.88	0.07	0.03	5.68	0.9	0.489

MATERIAL DESCRIPTION	USCS	AASHTO

Project No. C88004.01-03 **Client:** Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno ,CA

Source: **Sample No.:** B-5 **Elev./Depth:** 35-36.5'

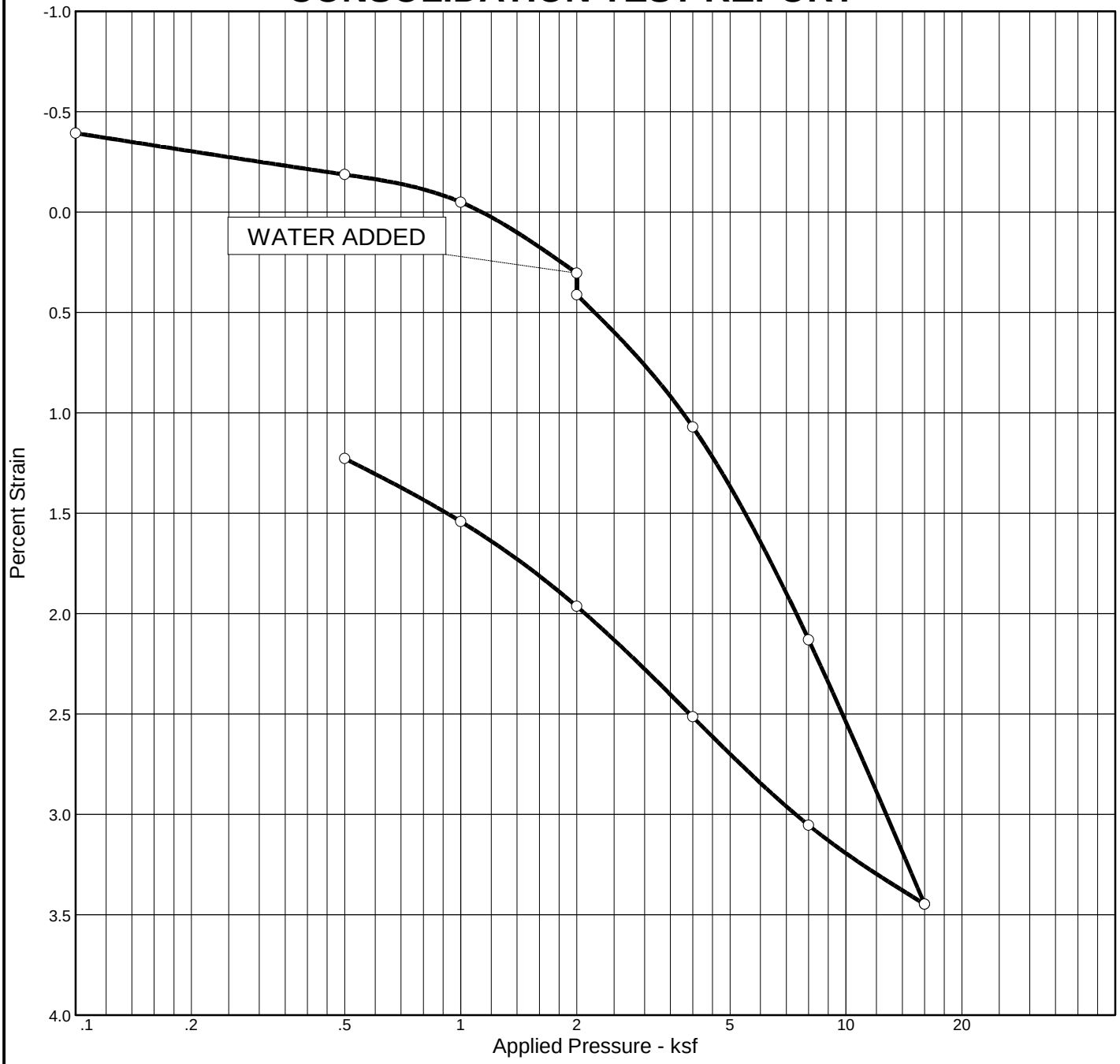
Moore Twining Associates, Inc.

Fresno, CA

Remarks:

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
90.9 %	13.1 %	119.8			2.65		2.85	0.06	0.02		0.1	0.381

MATERIAL DESCRIPTION	USCS	AASHTO
Lean clay	CL	

Project No. C88004.01-03 **Client:** Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno, CA

Source: **Sample No.:** B-5 **Elev./Depth:** 40-41.5'

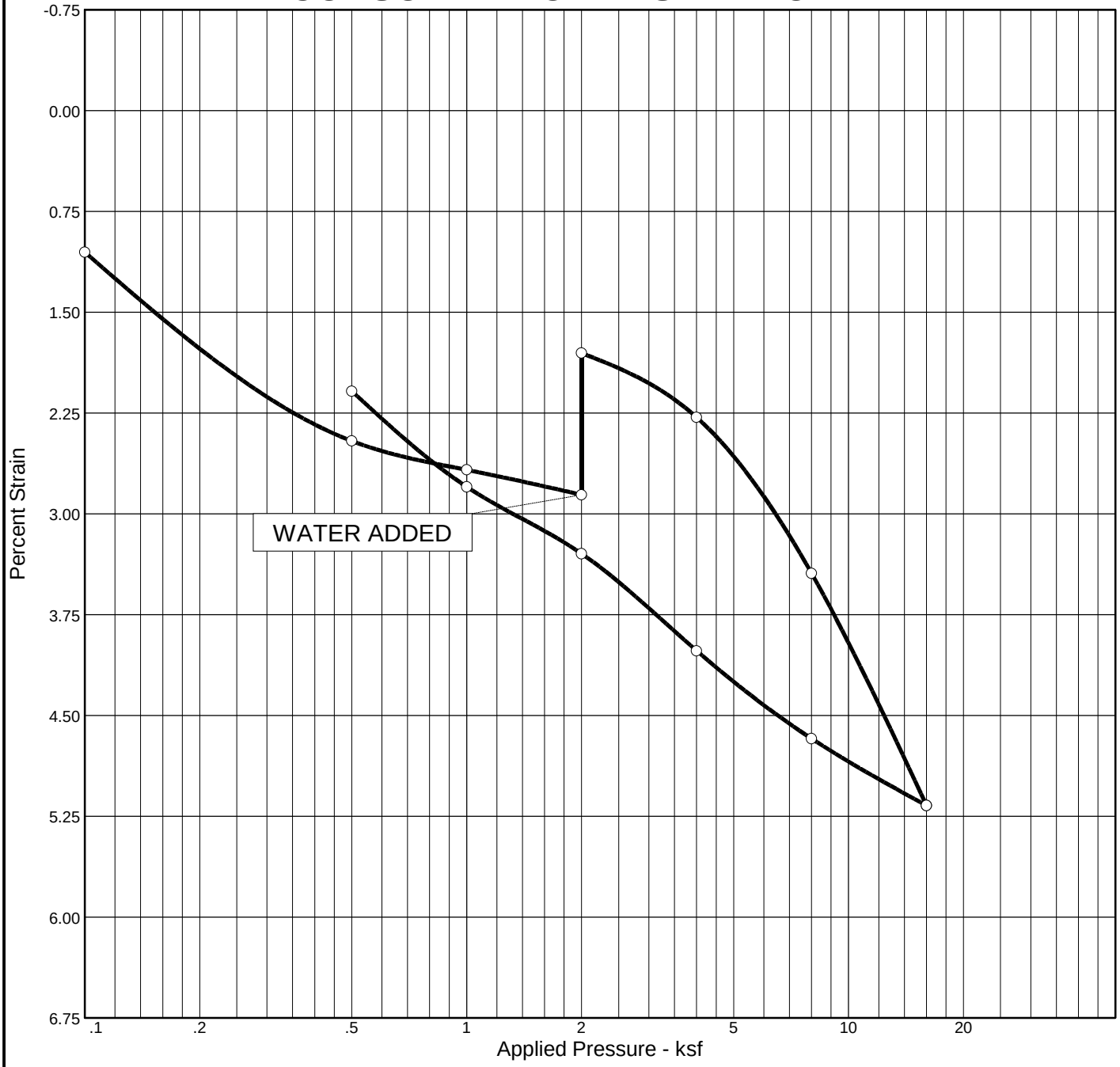
Moore Twining Associates, Inc.

Fresno, CA

Remarks:

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Swell %	e_o
Sat.	Moist.											
101.2 %	23.5 %	102.4			2.65		11.09	0.09	0.03	11.91	1.1	0.616

MATERIAL DESCRIPTION	USCS	AASHTO
Lean clay	CL	

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

Source: **Sample No.:** B-7 **Elev./Depth:** 33.5-35'

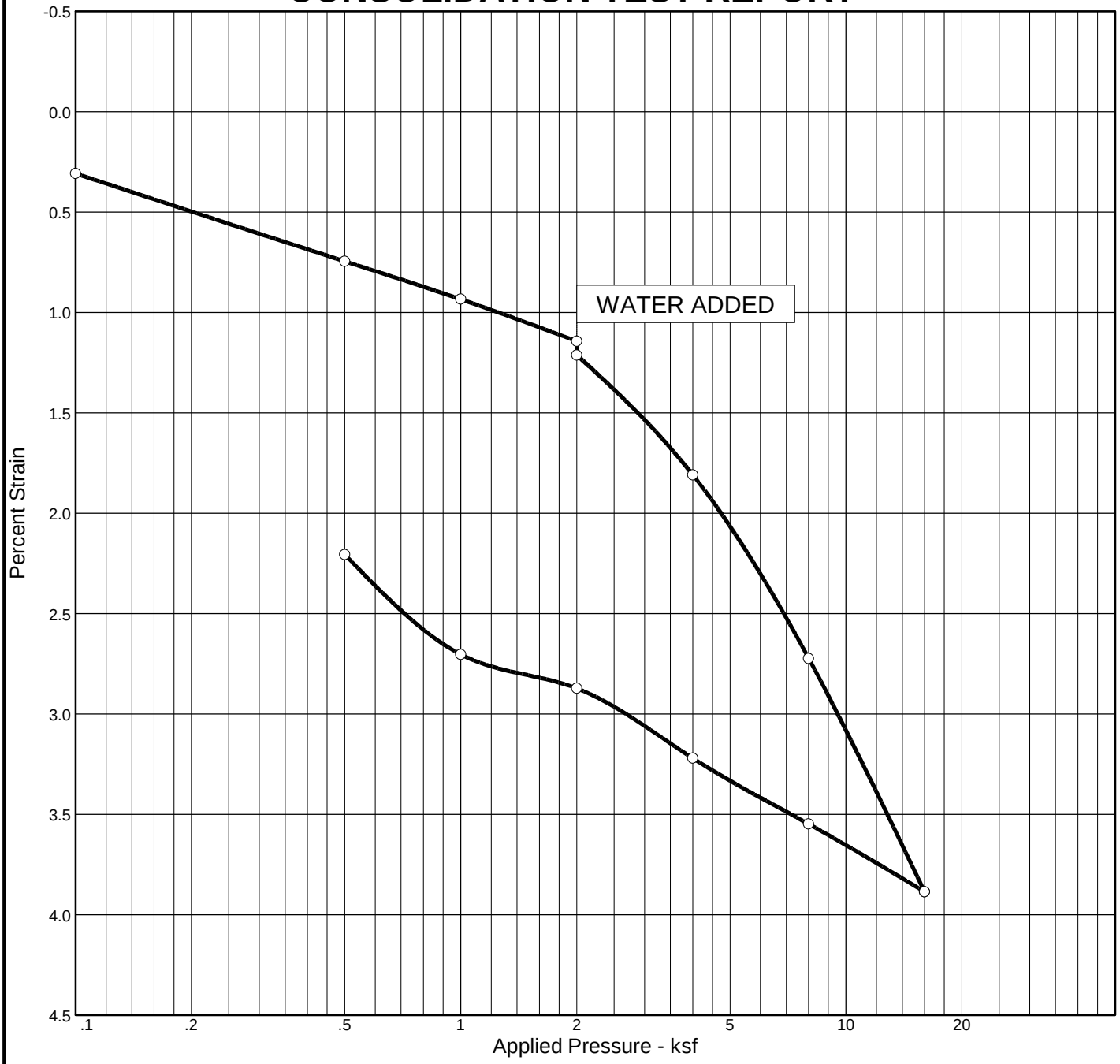
Moore Twining Associates, Inc.

Fresno, CA

Remarks:

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
93.6 %	20.9 %	104.0			2.65		10.19	0.06	0.02		0.1	0.590

MATERIAL DESCRIPTION	USCS	AASHTO
Lean clay	CL	

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

Source: **Sample No.:** B-8 **Elev./Depth:** 24-25.5'

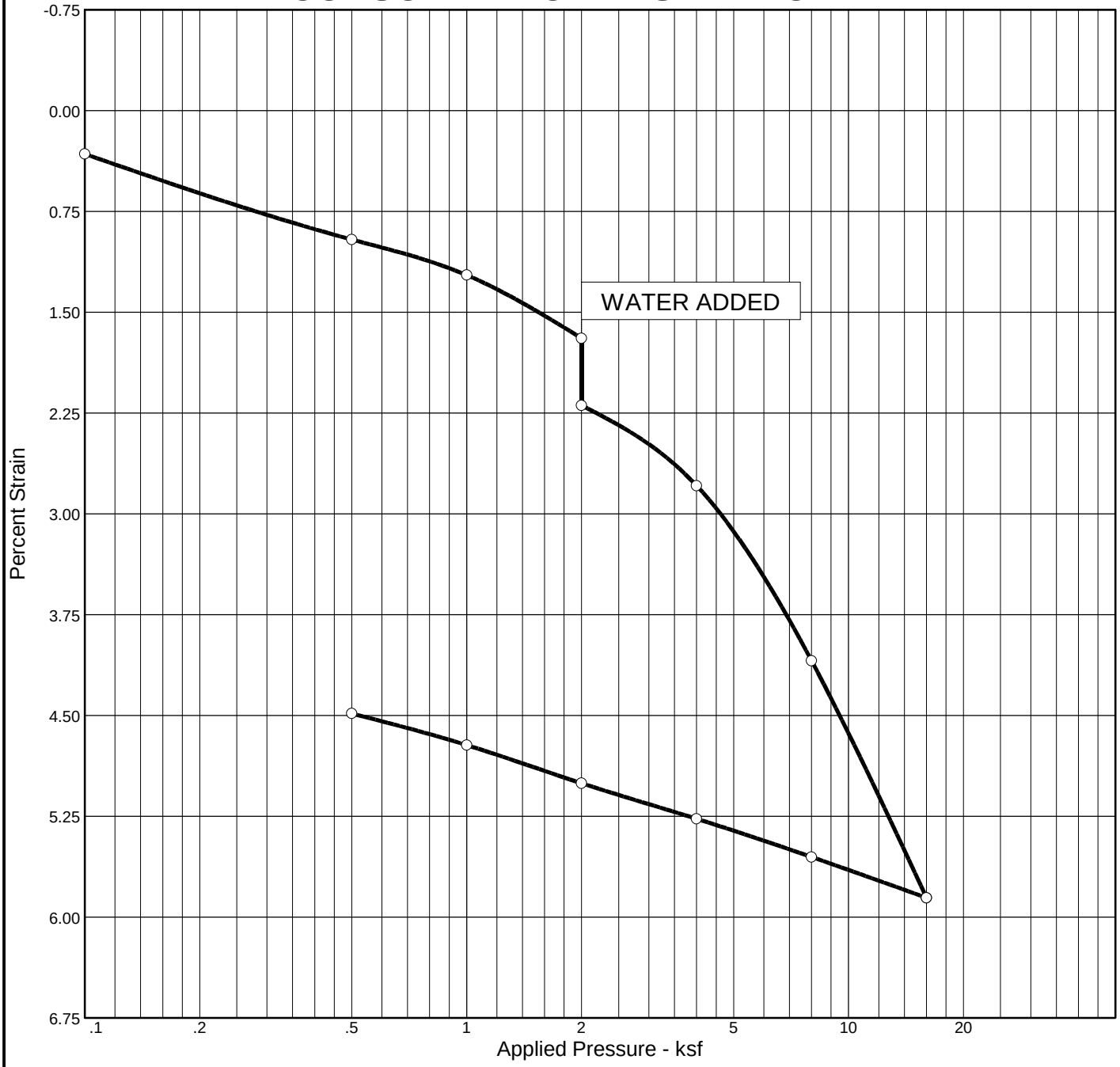
Moore Twining Associates, Inc.

Fresno, CA

Remarks:

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Clpse. %	e_o
Sat.	Moist.											
104.2 %	31.7 %	91.4			2.64		5.24	0.11	0.02		0.5	0.803

MATERIAL DESCRIPTION	USCS	AASHTO
Silt	ML	

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

Source: **Sample No.:** B-9 **Elev./Depth:** 58.5-60'

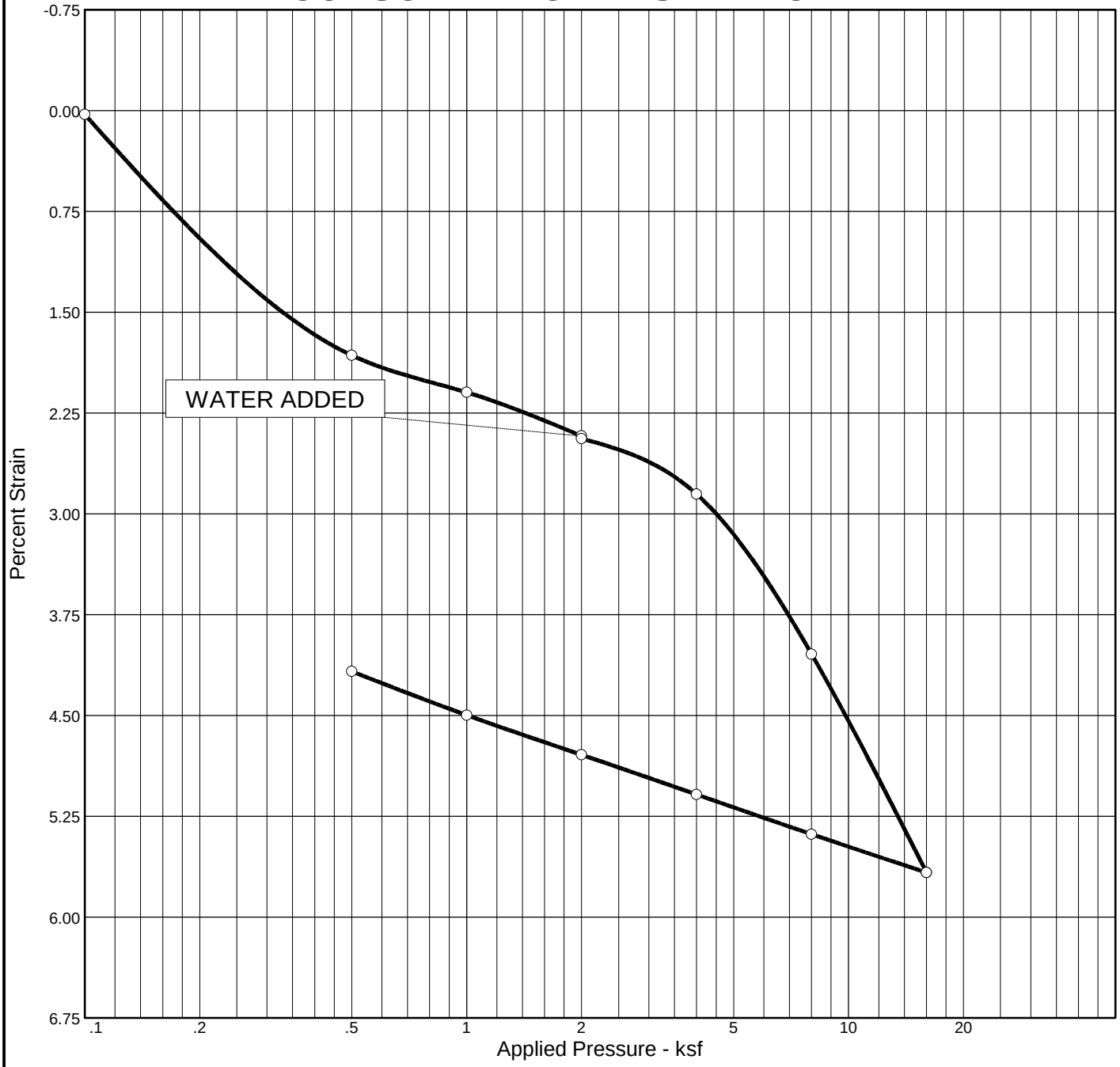
Remarks:

Moore Twining Associates, Inc.

Fresno, CA

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Swell %	e_o
Sat.	Moist.											
94.1 %	22.8 %	100.7	24	9	2.65		5.22	0.09	0.02			0.643

MATERIAL DESCRIPTION	USCS	AASHTO
Lean clay with sand	CL	

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

Source: **Sample No.:** B-12 **Elev./Depth:** 21.5-23.0'

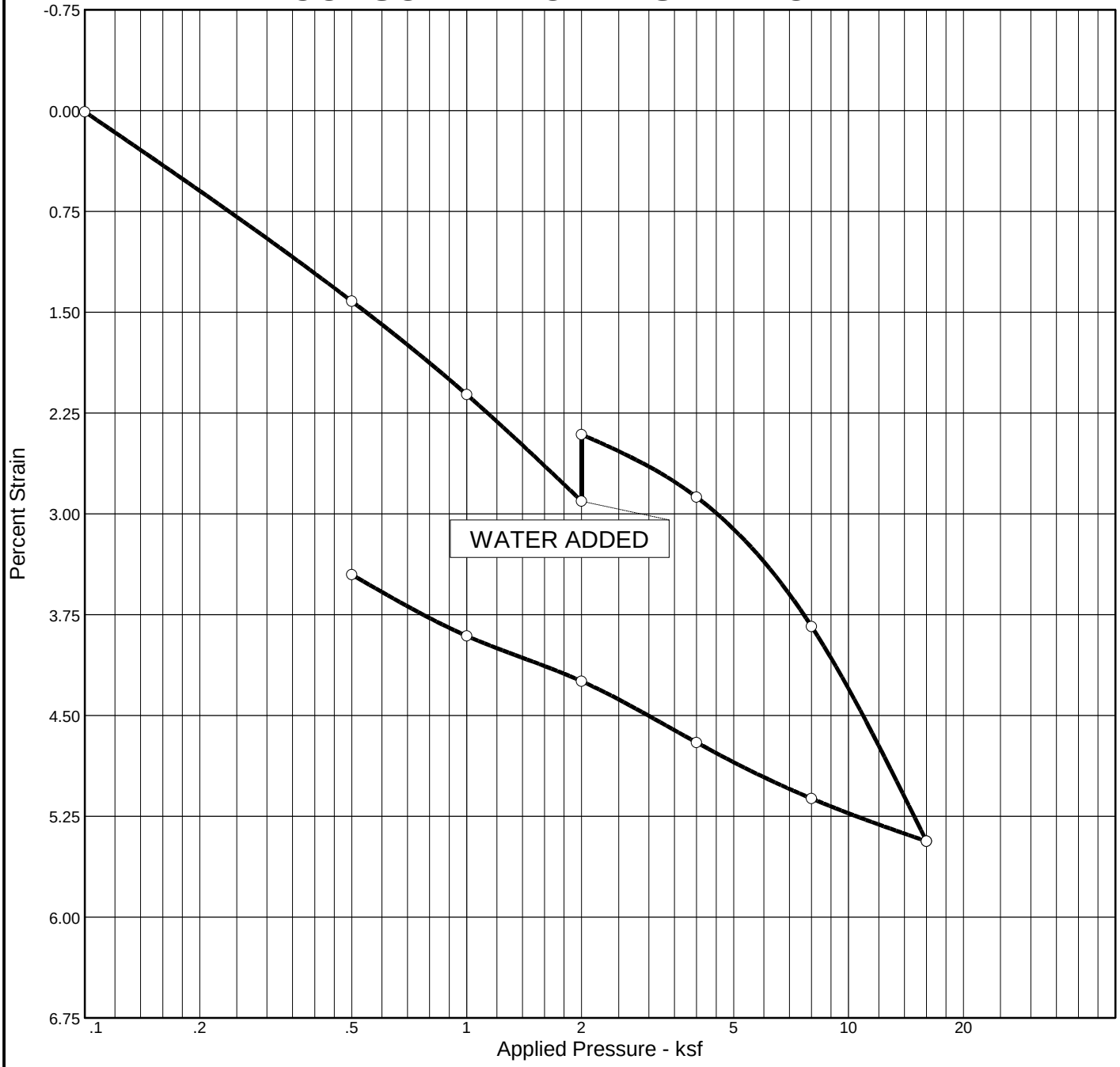
Moore Twining Associates, Inc.

Fresno, CA

Remarks:

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Swell %	e_o
Sat.	Moist.											
104.0 %	23.5 %	103.5			2.65		6.38	0.09	0.02	4.13	0.5	0.599

MATERIAL DESCRIPTION	USCS	AASHTO
Lean clay	CL	

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

Source: **Sample No.:** B-12 **Elev./Depth:** 27.5-29'

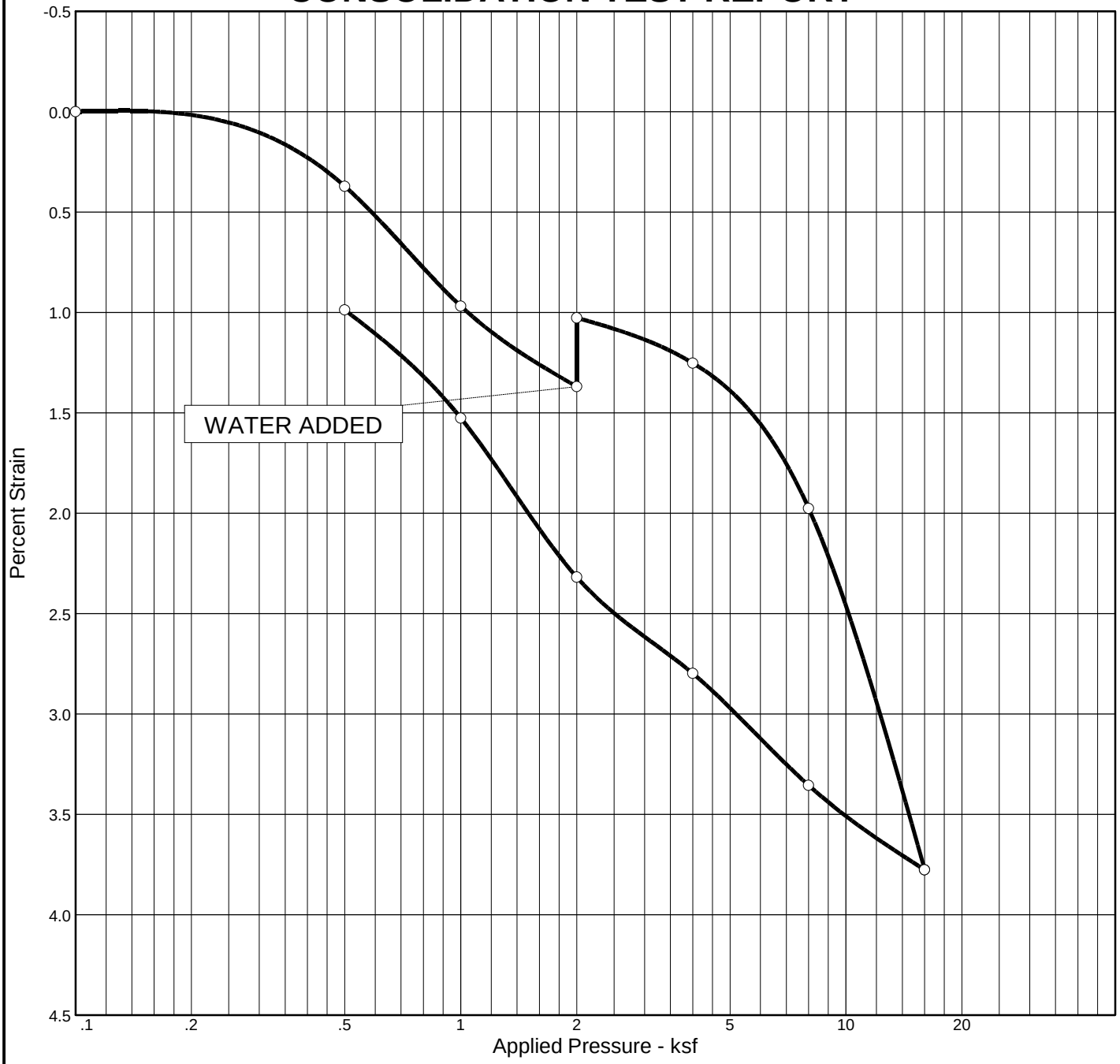
Moore Twining Associates, Inc.

Fresno, CA

Remarks:

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Swell %	e_o
Sat.	Moist.											
93.0 %	24.7 %	97.1			2.65		7.42	0.11	0.03	4.87	0.4	0.704

MATERIAL DESCRIPTION	USCS	AASHTO
Lean clay	CL	

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

Source: **Sample No.:** B-13 **Elev./Depth:** 23.5-24.5'

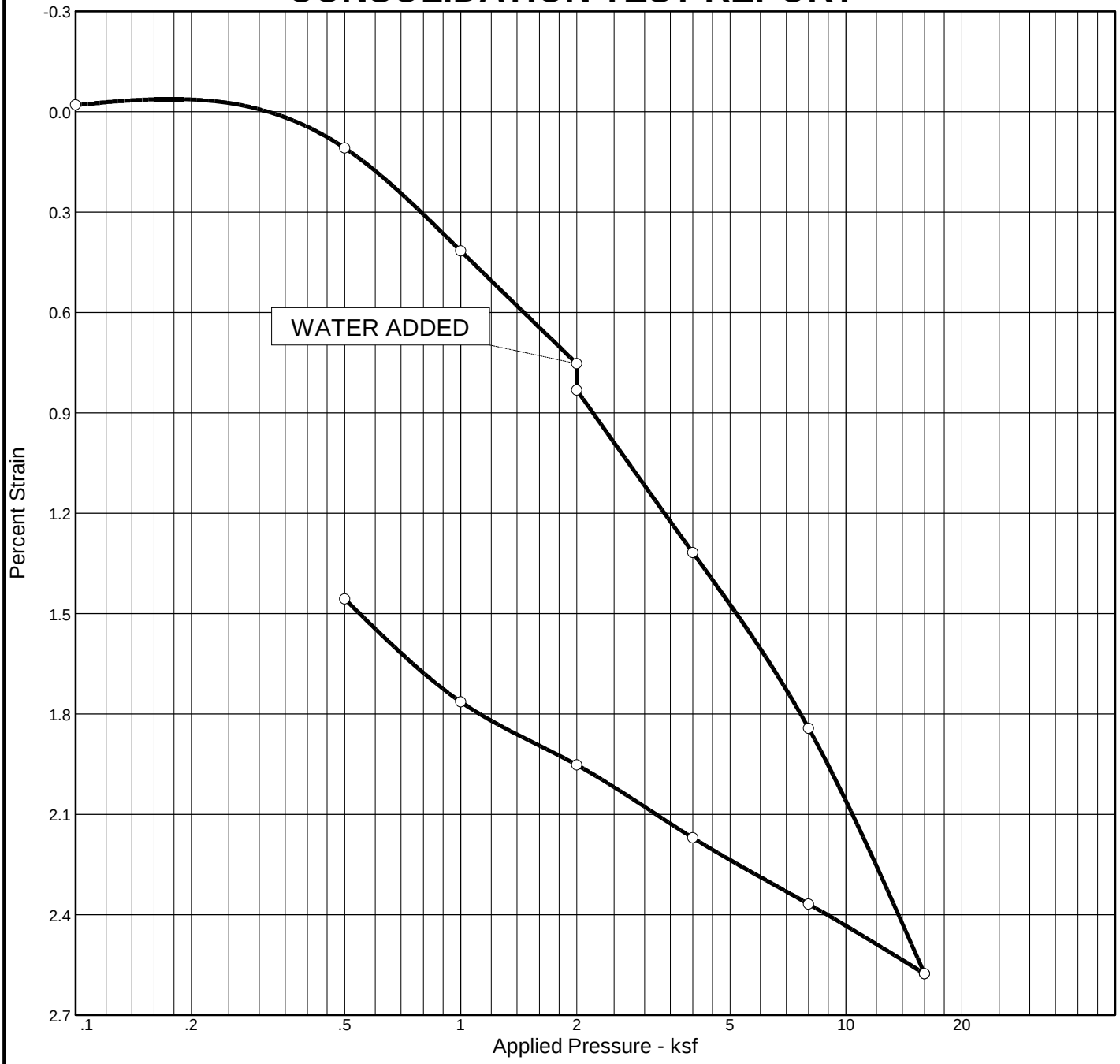
Moore Twining Associates, Inc.

Fresno, CA

Remarks:

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (ksf)	P_c (ksf)	C_c	C_s	Swell Press. (ksf)	Swell %	e_o
Sat.	Moist.											
80.5 %	13.8 %	113.7	20	6	2.65		2.04	0.04	0.01			0.456

MATERIAL DESCRIPTION	USCS	AASHTO
Lean clay	CL	

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

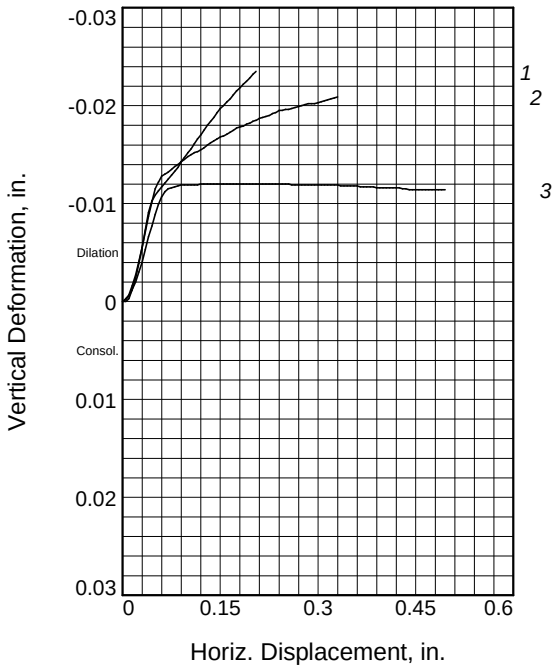
Source: **Sample No.:** B-13 **Elev./Depth:** 50-51.5'

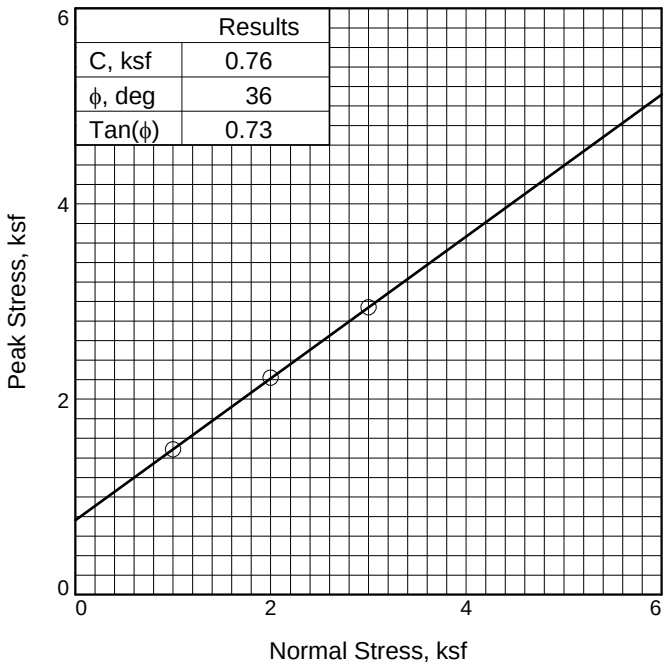
Moore Twining Associates, Inc.

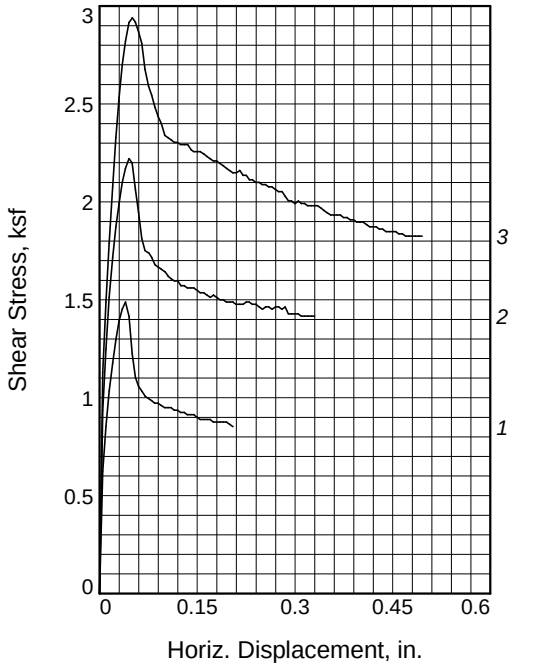
Fresno, CA

Remarks:

Figure







Sample No.		1	2	3
Initial	Water Content, %	10.7	11.4	10.9
	Dry Density, pcf	119.3	119.3	118.6
	Saturation, %	73.6	78.3	72.9
	Void Ratio	0.3864	0.3864	0.3951
	Diameter, in.	2.42	2.42	2.42
	Height, in.	1.00	1.00	1.00
At Test	Water Content, %	13.6	13.3	13.5
	Dry Density, pcf	120.6	121.6	121.0
	Saturation, %	96.9	97.7	97.1
	Void Ratio	0.3715	0.3607	0.3673
	Diameter, in.	2.42	2.42	2.42
	Height, in.	0.99	0.98	0.98
Normal Stress, ksf		1.00	2.00	3.00
Peak Stress, ksf		1.49	2.22	2.94
Displacement, in.		0.04	0.05	0.05
Ultimate Stress, ksf				
Displacement, in.				
Strain at peak, %		1.7	1.9	2.1

Sample Type:
Description: Clayey sand

Specific Gravity= 2.65
Remarks:

Figure _____

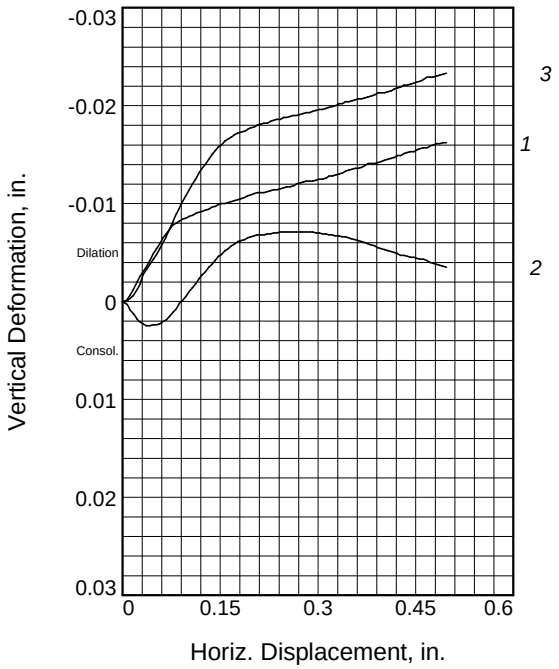
Client: Precision Civil Engineering, Inc.

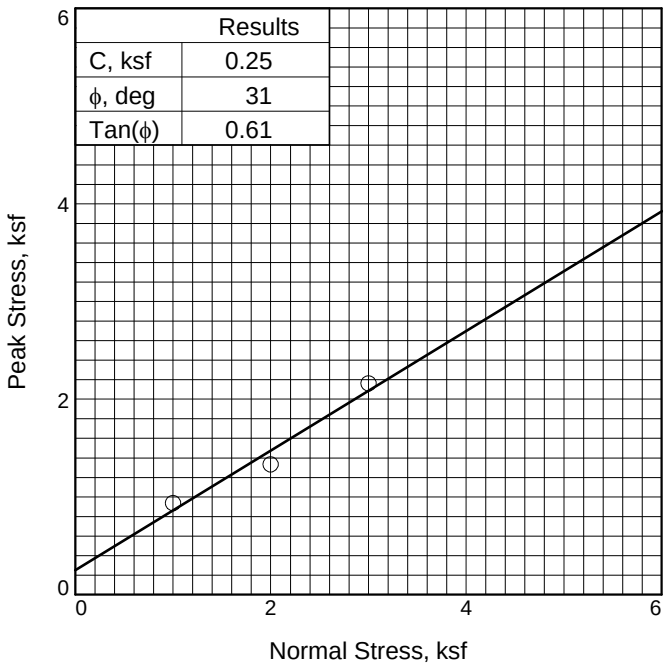
Project: Courthouse Park Site, Fresno, CA

Sample Number: B-2 **Depth:** 20-21.5'

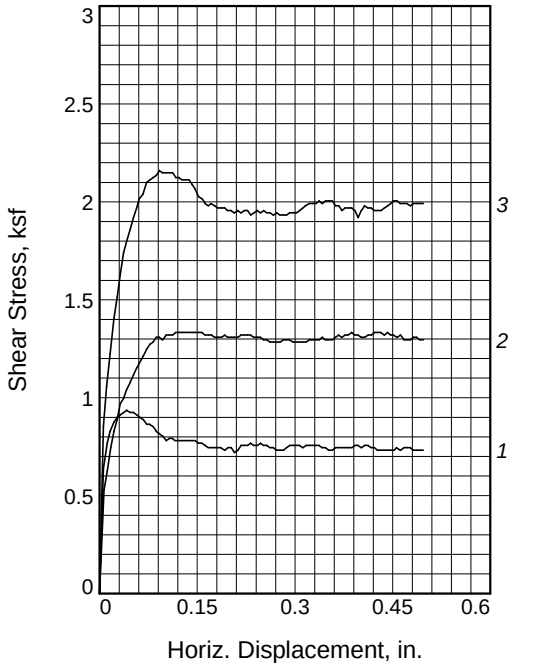
Proj. No.: C88004.01-03 **Date Sampled:** 7/7/23

DIRECT SHEAR TEST REPORT
Moore Twining Associates, Inc.
Fresno, CA





Results	
C, ksf	0.25
ϕ, deg	31
Tan(ϕ)	0.61



Sample No.		1	2	3
Initial	Water Content, %	4.5	4.5	5.6
	Dry Density, pcf	116.2	115.5	114.7
	Saturation, %	28.2	27.8	33.7
	Void Ratio	0.4240	0.4322	0.4422
	Diameter, in.	2.42	2.42	2.42
	Height, in.	1.00	1.00	1.00
At Test	Water Content, %	15.2	15.5	15.9
	Dry Density, pcf	116.9	116.4	115.7
	Saturation, %	97.2	97.4	97.9
	Void Ratio	0.4155	0.4208	0.4292
	Diameter, in.	2.42	2.42	2.42
	Height, in.	0.99	0.99	0.99
Normal Stress, ksf		1.00	2.00	3.00
Peak Stress, ksf		0.94	1.33	2.16
Displacement, in.		0.04	0.12	0.09
Ultimate Stress, ksf				
Displacement, in.				
Strain at peak, %		1.7	4.8	3.8

Sample Type:

Description:

Specific Gravity= 2.65

Remarks:

Figure _____

Client: Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno, CA

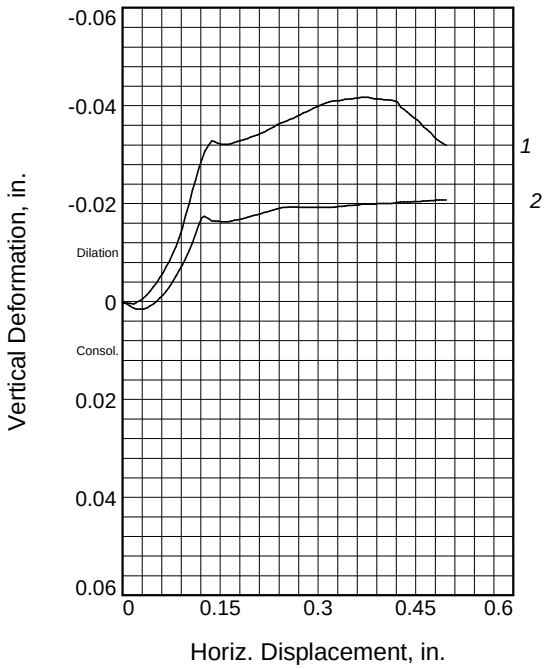
Sample Number: B-3 **Depth:** 8.5-10'

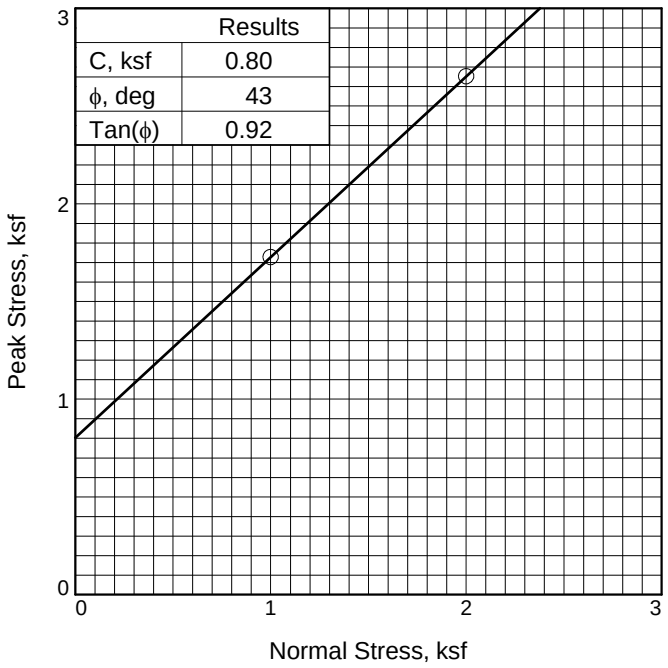
Proj. No.: C88004.01-03 **Date Sampled:** 7/7/23

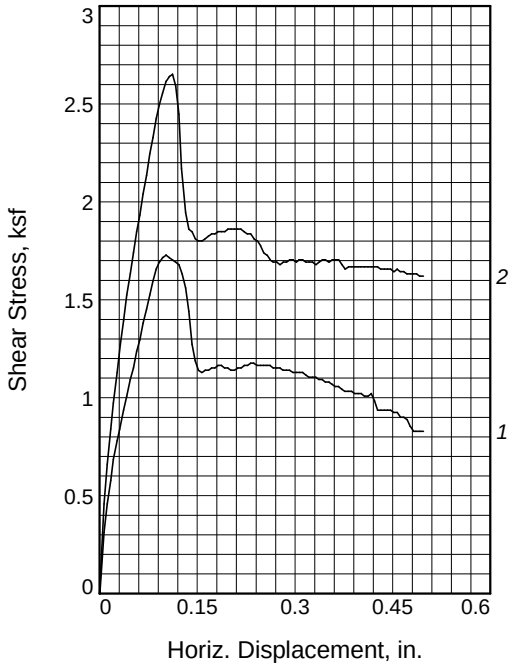
DIRECT SHEAR TEST REPORT

Moore Twining Associates, Inc.

Fresno, CA







Sample No.		1	2	3
Initial	Water Content, %	11.1	10.6	10.2
	Dry Density, pcf	110.4	111.8	107.5
	Saturation, %	59.1	58.7	50.2
	Void Ratio	0.4988	0.4802	0.5385
	Diameter, in.	2.42	2.42	2.42
	Height, in.	1.00	1.00	1.00
At Test	Water Content, %	21.2	16.8	18.9
	Dry Density, pcf	111.8	113.2	109.2
	Saturation, %	116.7	96.5	96.9
	Void Ratio	0.4803	0.4612	0.5154
	Diameter, in.	2.42	2.42	2.42
	Height, in.	0.99	0.99	0.98
Normal Stress, ksf		1.00	2.00	
Peak Stress, ksf		1.73	2.65	
Displacement, in.		0.10	0.11	
Ultimate Stress, ksf				
Displacement, in.				
Strain at peak, %		4.2	4.6	4.6

Sample Type:

Description: Silty sand

Specific Gravity= 2.65

Remarks:

Figure _____

Client: Precision Civil Engineering, Inc.

Project: Courthouse Park Site, Fresno, CA

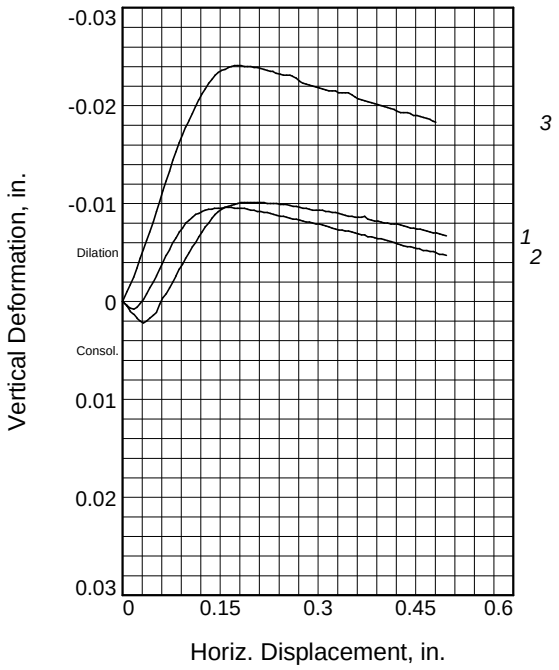
Sample Number: B-3 **Depth:** 10-11.5'

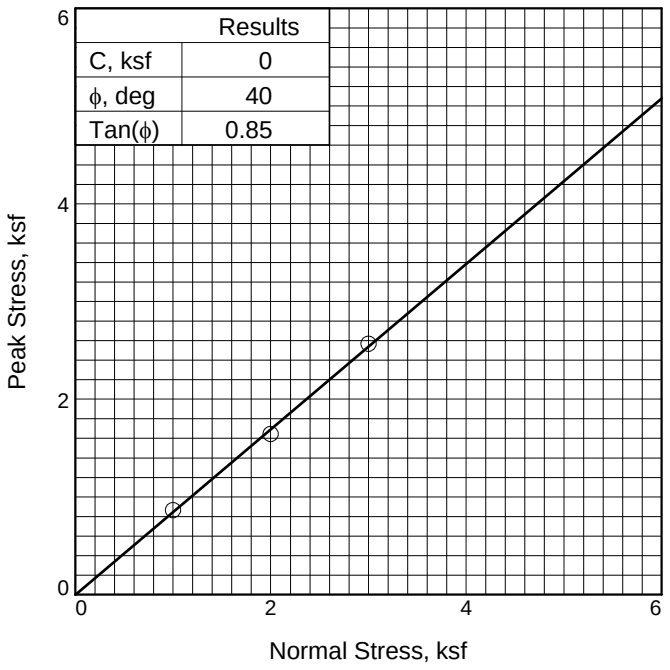
Proj. No.: C88004.01-03 **Date Sampled:** 7/17/23

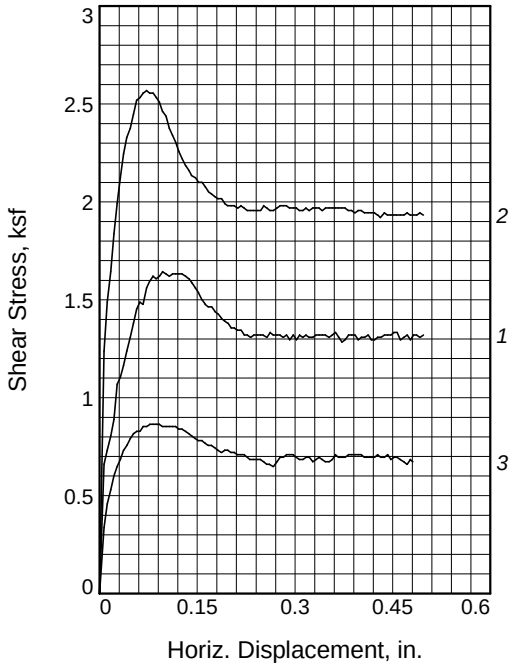
DIRECT SHEAR TEST REPORT

Moore Twining Associates, Inc.

Fresno, CA







Sample No.		1	2	3
Initial	Water Content, %	14.1	13.6	12.4
	Dry Density, pcf	114.1	112.9	116.8
	Saturation, %	82.8	77.6	78.8
	Void Ratio	0.4500	0.4649	0.4159
	Diameter, in.	2.42	2.42	2.42
	Height, in.	1.00	1.00	1.00
At Test	Water Content, %	16.2	17.1	15.1
	Dry Density, pcf	114.3	113.2	117.1
	Saturation, %	96.1	98.3	96.7
	Void Ratio	0.4478	0.4620	0.4133
	Diameter, in.	2.42	2.42	2.42
	Height, in.	1.00	1.00	1.00
Normal Stress, ksf		2.00	3.00	1.00
Peak Stress, ksf		1.64	2.57	0.86
Displacement, in.		0.10	0.07	0.08
Ultimate Stress, ksf				
Displacement, in.				
Strain at peak, %		4.0	3.0	3.2

Sample Type:
Description: Lean clay

Specific Gravity= 2.65
Remarks:

Figure _____

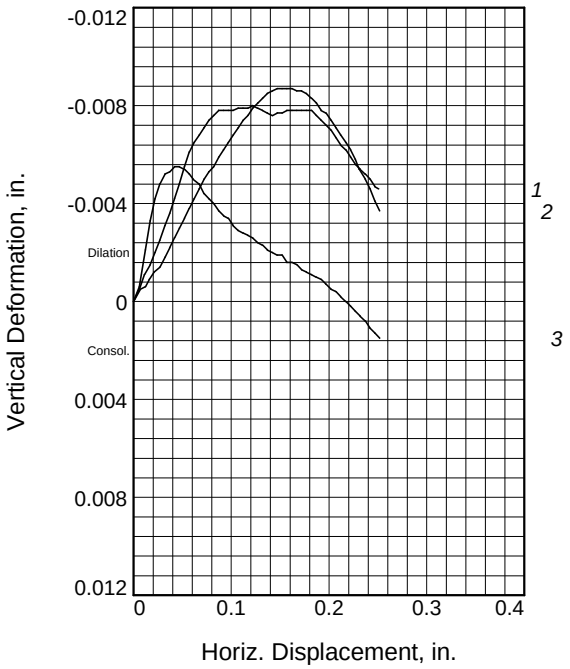
Client: Precision Civil Engineering, Inc.

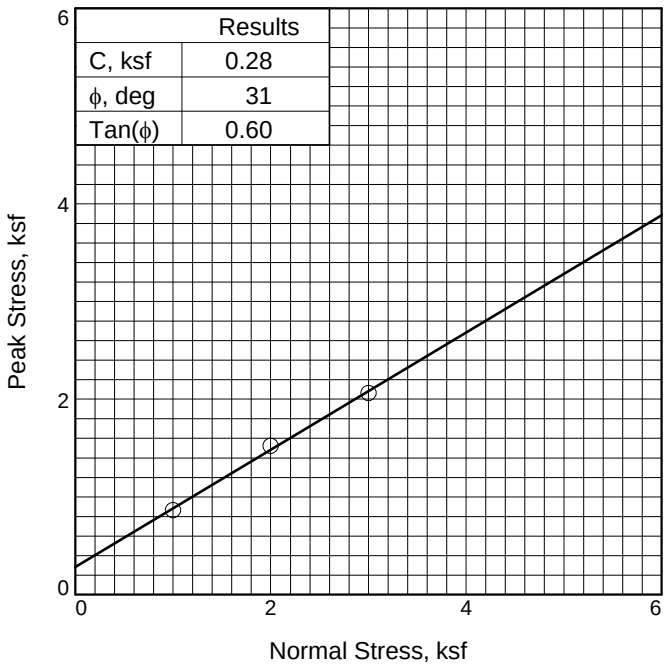
Project: Courthouse Park Site, Fresno, CA

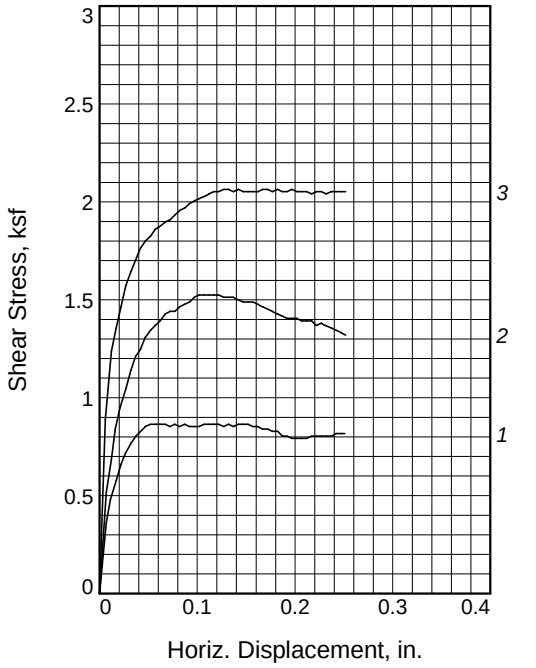
Sample Number: B-5 **Depth:** 20-21.5'

Proj. No.: C88004.01-03 **Date Sampled:** 7/17/23

DIRECT SHEAR TEST REPORT
Moore Twining Associates, Inc.
Fresno, CA







Sample No.		1	2	3
Initial	Water Content, %	9.5	9.5	9.5
	Dry Density, pcf	115.0	115.5	115.2
	Saturation, %	57.2	58.0	57.4
	Void Ratio	0.4384	0.4329	0.4365
	Diameter, in.	2.42	2.42	2.42
	Height, in.	1.00	1.00	1.00
At Test	Water Content, %	12.4	14.3	14.8
	Dry Density, pcf	117.4	119.0	117.2
	Saturation, %	80.4	97.2	95.7
	Void Ratio	0.4096	0.3904	0.4111
	Diameter, in.	2.42	2.42	2.42
	Height, in.	0.98	0.97	0.98
Normal Stress, ksf		1.00	2.00	3.00
Peak Stress, ksf		0.86	1.52	2.06
Displacement, in.		0.05	0.10	0.13
Ultimate Stress, ksf				
Displacement, in.				
Strain at peak, %		2.2	4.2	5.3

Sample Type:
Description: Silty sand

LL= NV **PI=** NP
Specific Gravity= 2.65
Remarks: Remolded to 115 pcf & 9.5% Moisture

Figure _____

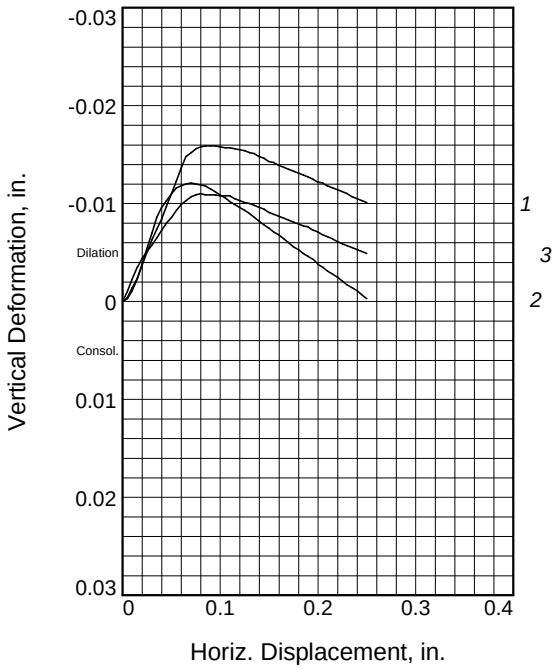
Client: Precision Civil Engineering

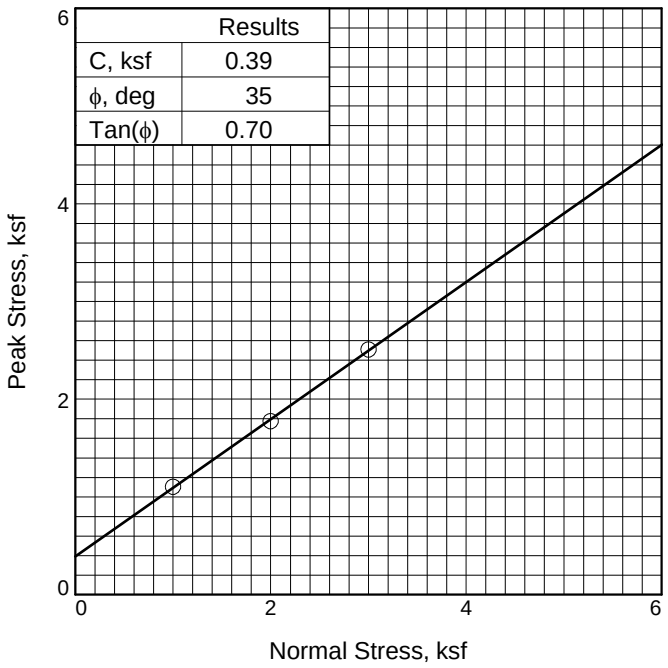
Project: Courthouse Park Site, Fresno, CA

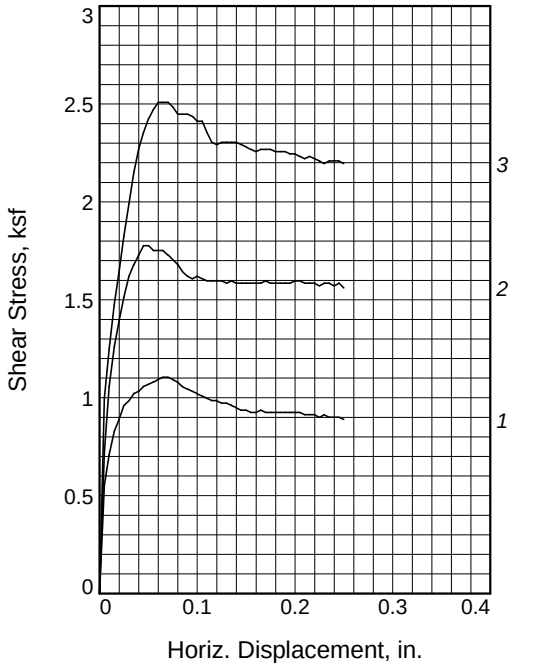
Sample Number: B-8 **Depth:** 7-11'

Proj. No.: C88004.01-03 **Date Sampled:** 11/24/25

DIRECT SHEAR TEST REPORT
Moore Twining Associates, Inc.
Fresno, CA







Sample No.		1	2	3
Initial	Water Content, %	27.9	29.2	25.7
	Dry Density, pcf	100.1	97.1	100.7
	Saturation, %	113.2	109.8	105.8
	Void Ratio	0.6535	0.7045	0.6426
	Diameter, in.	2.42	2.42	2.42
	Height, in.	1.00	1.00	1.00
At Test	Water Content, %	27.2	26.8	24.7
	Dry Density, pcf	101.7	98.8	106.1
	Saturation, %	114.7	105.4	116.9
	Void Ratio	0.6274	0.6738	0.5593
	Diameter, in.	2.42	2.42	2.42
	Height, in.	0.98	0.98	0.95
Normal Stress, ksf		1.00	2.00	3.00
Peak Stress, ksf		1.10	1.78	2.51
Displacement, in.		0.07	0.05	0.06
Ultimate Stress, ksf				
Displacement, in.				
Strain at peak, %		2.7	1.9	2.5

Sample Type:
Description: Lean clay with sand

LL= 24 **PL=** 15 **PI=** 9
Specific Gravity= 2.65
Remarks:

Figure _____

Client: Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

Sample Number: B-12 **Depth:** 21.5-23.0'

Proj. No.: C88004.01-03 **Date Sampled:** 11/24/25

DIRECT SHEAR TEST REPORT
Moore Twining Associates, Inc.
Fresno, CA

MOORE TWINING ASSOCIATES, INC.

EXPANSION INDEX TEST, ASTM D4829

MTA PROJECT NAME:	Courthouse Park Site, Fresno, CA	REPORT DATE:	8/7/2023
		TEST DATE:	8/1/2023
MTA PROJECT NO.:	C88004.01-03		
SAMPLE I.D.:	B-1 @ 5-32"		
SAMPLED BY:	SR		
SAMPLE DATE:	7/17/2023	TESTED BY:	BP
MATERIALS DESCRIPTION:	Silty sand		
% PASSING # 4 SIEVE	100		

Initial Moisture Determination:		Final Moisture Determination:	
Pan + Wet Soil Wt., gm	250.0	Wet Soil Wt., lbs	0.9537
Pan + Dry Soil Wt., gm	230.6	Dry Soil Wt., lbs	0.8431
Pan Wt., gm	0.0		
Initial % Moisture Content	8.4	Final % Moisture Content	13.1

Initial Expansion Data:		**Final Expansion Data:**	
Ring + Sample Wt., lbs	0.9140	Ring + Sample Wt., lbs	0.9537
Ring Wt., lbs	0.0000	Ring Wt., lbs	0.0000
Remolded Wt., lbs	0.9140	Remolded Wt., lbs	0.9537
Remolded Wet Density, pcf	125.7	Remolded Wet Density, pcf	131.2
Remolded Dry Density, pcf	115.9	Remolded Dry Density, pcf	116.0

Expansion Data:		Initial Volume	Final Volume
		0.00727222	0.007269
Initial Gage Reading, in:	0.0238		
Final Gage Reading, in:	0.0233		
Expansion, in:	-0.0005		
Expansion Index	0	**Comments:**	**Very Low Expansion Potential**

Classification of Expansive Soils. (Table No.1 From ASTM D4829)

Expansion Index	Potential Expansion
0-20	Very Low
21-50	Low
51-90	Medium
91-130	High
>130	Very High

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FX: 559.268.7126
2527 Fresno Street
Fresno, CA 93721

MOORE TWINING ASSOCIATES, INC.

EXPANSION INDEX TEST, ASTM D4829

MTA PROJECT NAME:	Courthouse Park Site, Fresno, CA	REPORT DATE:	7/21/2023
		TEST DATE:	7/17/2023
MTA PROJECT NO.:	C88004.01-03		
SAMPLE I.D.:	B-4 @ 4-10'		
SAMPLED BY:	AV / SR		
SAMPLE DATE:	7/7/2023	TESTED BY:	CJ
MATERIALS DESCRIPTION:	Lean clay		
% PASSING # 4 SIEVE	100		

Initial Moisture Determination:		Final Moisture Determination:	
Pan + Wet Soil Wt., gm	250.0	Wet Soil Wt., lbs	1.0090
Pan + Dry Soil Wt., gm	233.2	Dry Soil Wt., lbs	0.8853
Pan Wt., gm	0.0		
Initial % Moisture Content	7.2	Final % Moisture Content	14.0

Initial Expansion Data:		**Final Expansion Data:**	
Ring + Sample Wt., lbs	0.9491	Ring + Sample Wt., lbs	1.0090
Ring Wt., lbs	0.0000	Ring Wt., lbs	0.0000
Remolded Wt., lbs	0.9491	Remolded Wt., lbs	1.0090
Remolded Wet Density, pcf	130.5	Remolded Wet Density, pcf	138.8
Remolded Dry Density, pcf	121.7	Remolded Dry Density, pcf	121.8

Expansion Data:		Initial Volume	Final Volume
		0.00727222	0.007271
Initial Gage Reading, in:	0.0226		
Final Gage Reading, in:	0.0224		
Expansion, in:	-0.0002		
Expansion Index	0	**Comments:**	**Very Low Expansion Potential**

Classification of Expansive Soils. (Table No.1 From ASTM D4829)

Expansion Index	Potential Expansion
0-20	Very Low
21-50	Low
51-90	Medium
91-130	High
>130	Very High

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EXPANSION INDEX TEST, ASTM D4829

MTA PROJECT NAME:	Courthouse Park Site, Fresno, CA	REPORT DATE:	1/2/2026
		TEST DATE:	12/29/2025
MTA PROJECT NO.:	C88004.01-03		
SAMPLE I.D.:	B-8 @ 0-3'		
SAMPLED BY:	GM		
SAMPLE DATE:	11/24/2025	TESTED BY:	CJ
MATERIALS DESCRIPTION:	Silty sand		
% PASSING # 4 SIEVE	100		

Initial Moisture Determination:		Final Moisture Determination:	
Pan + Wet Soil Wt., gm	250.0	Wet Soil Wt., lbs	1.0100
Pan + Dry Soil Wt., gm	234.8	Dry Soil Wt., lbs	0.9044
Pan Wt., gm	0.0		
Initial % Moisture Content	6.5	Final % Moisture Content	11.7

Initial Expansion Data:		**Final Expansion Data:**	
Ring + Sample Wt., lbs	0.9630	Ring + Sample Wt., lbs	1.0100
Ring Wt., lbs	0.0000	Ring Wt., lbs	0.0000
Remolded Wt., lbs	0.9630	Remolded Wt., lbs	1.0100
Remolded Wet Density, pcf	132.4	Remolded Wet Density, pcf	139.0
Remolded Dry Density, pcf	124.4	Remolded Dry Density, pcf	124.5

Expansion Data:		Initial Volume	Final Volume
		0.00727222	0.007265
Initial Gage Reading, in:	0.0544		
Final Gage Reading, in:	0.0534		
Expansion, in:	-0.0010		
Expansion Index	0	**Comments:**	**Very Low Expansion Potential**

Classification of Expansive Soils. (Table No.1 From ASTM D4829)

Expansion Index	Potential Expansion
0-20	Very Low
21-50	Low
51-90	Medium
91-130	High
>130	Very High

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MOORE TWINING ASSOCIATES, INC.

EXPANSION INDEX TEST, ASTM D4829

MTA PROJECT NAME:	Courthouse Park Site, Fresno, CA	REPORT DATE:	1/2/2026
		TEST DATE:	12/29/2025
MTA PROJECT NO.:	C88004.01-03		
SAMPLE I.D.:	B-9 @ 21-24'		
SAMPLED BY:	GM		
SAMPLE DATE:	11/24/2025	TESTED BY:	CJ
MATERIALS DESCRIPTION:	Lean clay		
% PASSING # 4 SIEVE	100		

Initial Moisture Determination:		Final Moisture Determination:	
Pan + Wet Soil Wt., gm	250.0	Wet Soil Wt., lbs	1.0060
Pan + Dry Soil Wt., gm	231.4	Dry Soil Wt., lbs	0.8677
Pan Wt., gm	0.0		
Initial % Moisture Content	8.0	Final % Moisture Content	15.9

Initial Expansion Data:		**Final Expansion Data:**	
Ring + Sample Wt., lbs	0.9374	Ring + Sample Wt., lbs	1.0060
Ring Wt., lbs	0.0000	Ring Wt., lbs	0.0000
Remolded Wt., lbs	0.9374	Remolded Wt., lbs	1.0060
Remolded Wet Density, pcf	128.9	Remolded Wet Density, pcf	134.6
Remolded Dry Density, pcf	119.3	Remolded Dry Density, pcf	116.1

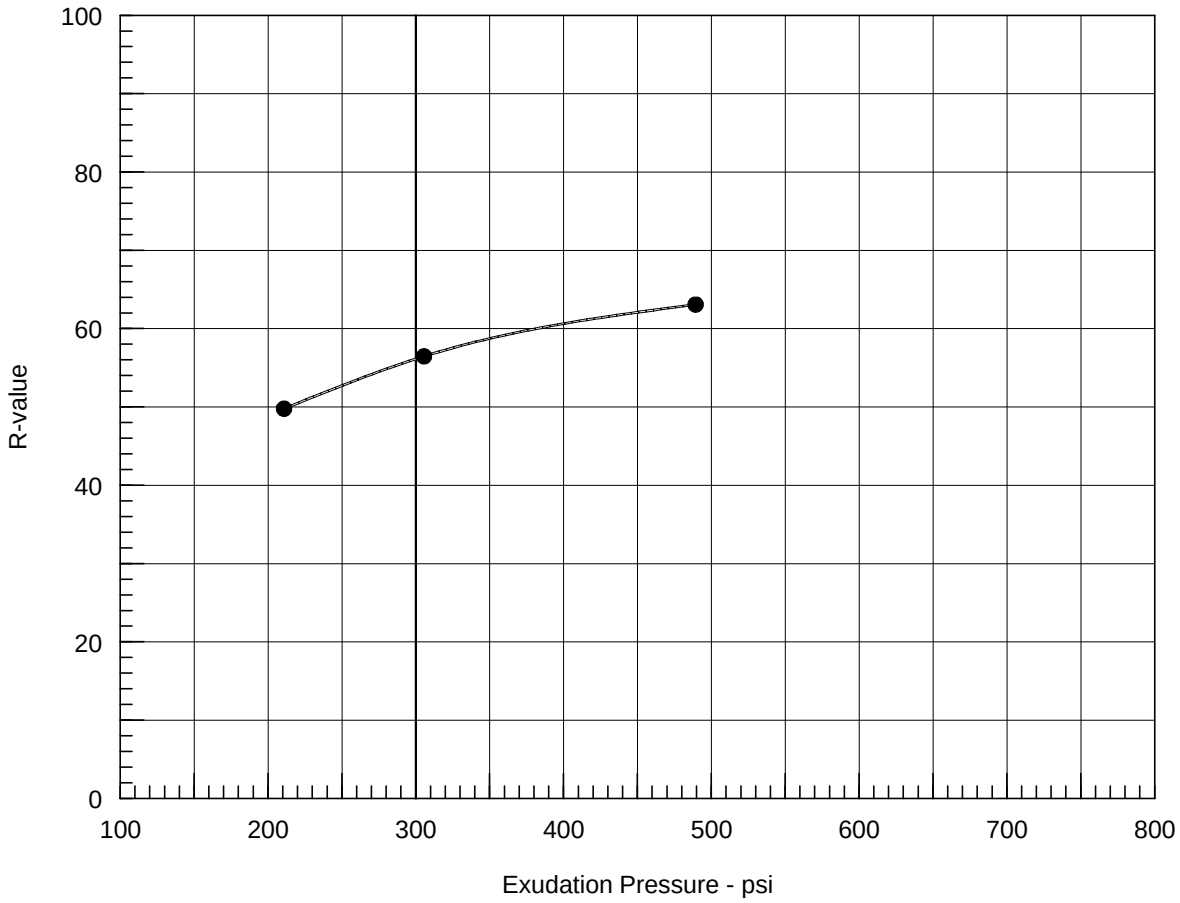
Expansion Data:		Initial Volume	Final Volume
		0.00727222	0.007475
Initial Gage Reading, in:	0.0452		
Final Gage Reading, in:	0.0731		
Expansion, in:	0.0279		
Expansion Index	28	**Comments:**	**Low Expansion Potential**

Classification of Expansive Soils. (Table No.1 From ASTM D4829)

Expansion Index	Potential Expansion
0-20	Very Low
21-50	Low
51-90	Medium
91-130	High
>130	Very High

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Fresno, CA 93721

R-VALUE TEST REPORT



Resistance R-Value and Expansion Pressure - ASTM D 2844

No.	Compact. Pressure psi	Density pcf	Moist. %	Expansion Pressure psi	Horizontal Press. psi @ 160 psi	Sample Height in.	Exud. Pressure psi	R Value	R Value Corr.
1	350	126.0	9.7	0.00	41	2.50	489	63	63
2	350	123.7	10.7	0.00	48	2.55	306	56	56
3	350	121.7	11.6	0.00	59	2.59	211	47	50

Test Results	Material Description
R-value at 300 psi exudation pressure = 56	Silty sand

Project No.: C88004.01-03

Project: Courthouse Park Site, Fresno, CA

Sample Number: B-3 **Depth:** 0-4'

Date: 1/16/2026

Tested by: MS

Checked by: MS

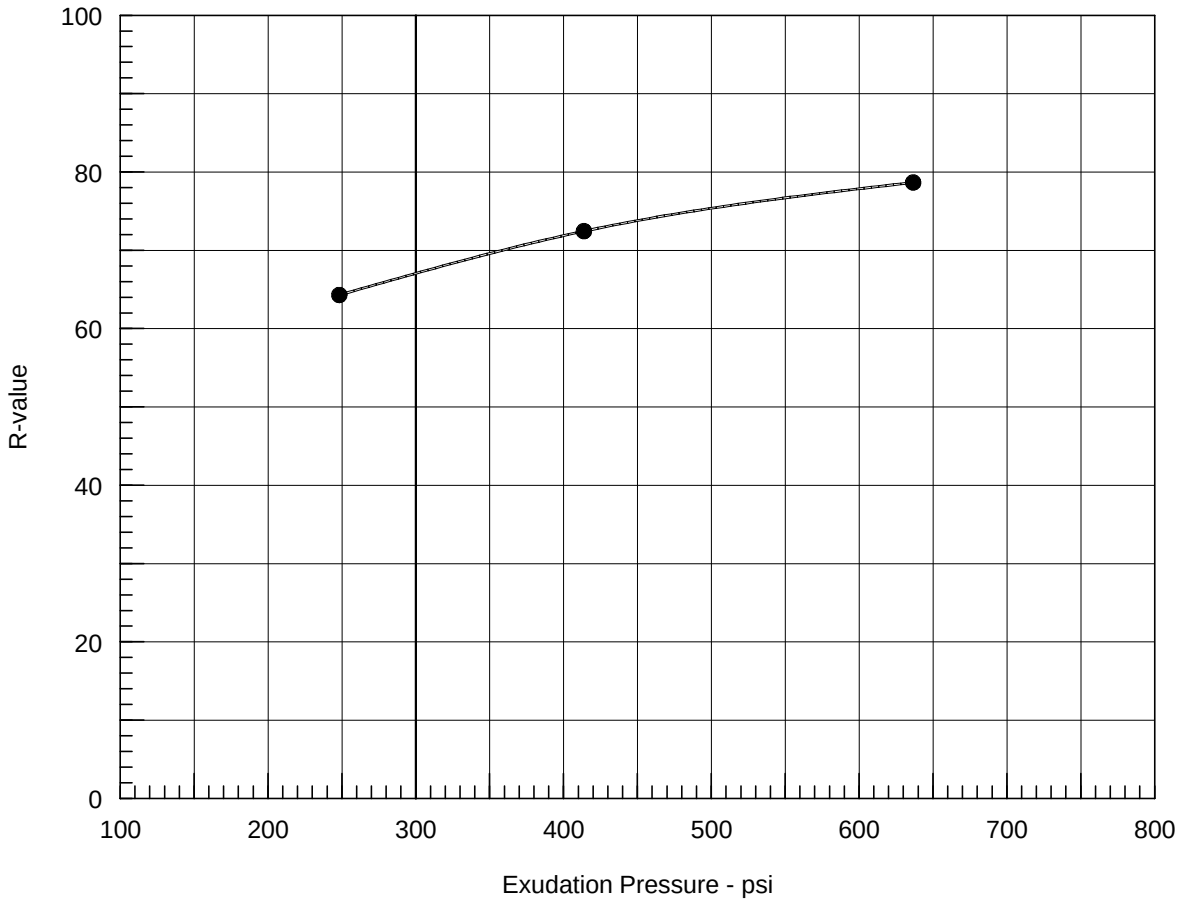
Remarks:

R-VALUE TEST REPORT

Moore Twining Associates, Inc.

Figure N/A

R-VALUE TEST REPORT



Resistance R-Value and Expansion Pressure - ASTM D 2844

No.	Compact. Pressure psi	Density pcf	Moist. %	Expansion Pressure psi	Horizontal Press. psi @ 160 psi	Sample Height in.	Exud. Pressure psi	R Value	R Value Corr.
1	350	126.1	10.1	0.00	22	2.41	637	80	79
2	350	125.4	11.0	0.00	26	2.43	414	74	72
3	350	120.2	12.0	0.00	35	2.46	248	64	64

Test Results	Material Description
R-value at 300 psi exudation pressure = 67	Silty sand

Project No.: C88004.01-03

Project: Courthouse Park Site, Fresno, CA

Sample Number: B-5 **Depth:** 5-6'

Date: 1/15/2026

Tested by: MS

Checked by: MS

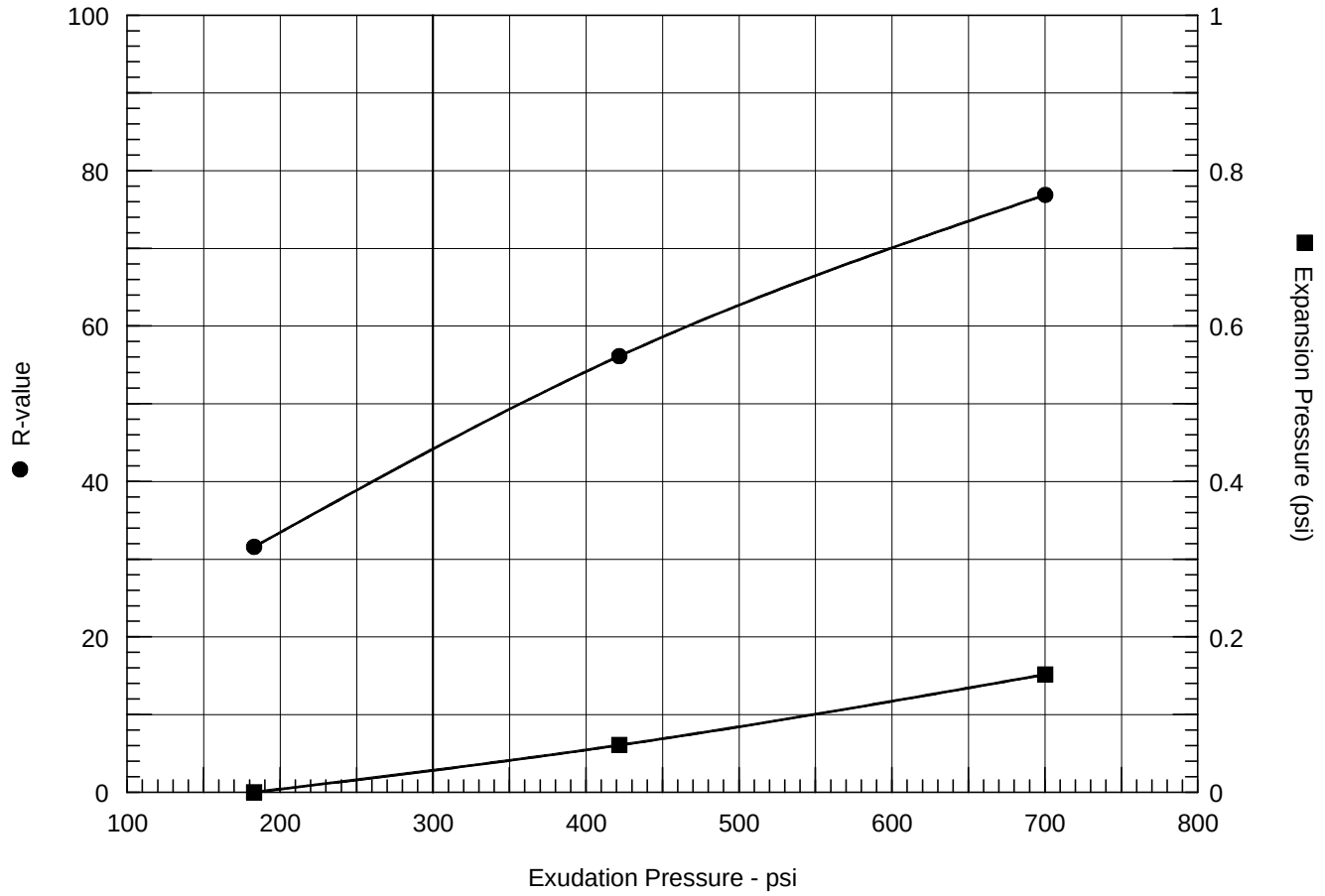
Remarks:

R-VALUE TEST REPORT

Moore Twining Associates, Inc.

Figure N/A

R-VALUE TEST REPORT



Resistance R-Value and Expansion Pressure - ASTM D 2844

No.	Compact. Pressure psi	Density pcf	Moist. %	Expansion Pressure psi	Horizontal Press. psi @ 160 psi	Sample Height in.	Exud. Pressure psi	R Value	R Value Corr.
1	250	130.8	10.5	0.06	55	2.41	422	58	56
2	350	129.3	12.4	0.15	30	2.36	700	79	77
3	100	125.0	12.0	0.00	100	2.50	183	32	32

Test Results	Material Description
R-value at 300 psi exudation pressure = 44 **Exp. pressure at 300 psi exudation pressure =** 0.03 psi	Silty sand

Project No.: C88004.01-03
Project: Courthouse Park Site, Fresno, CA
Sample Number: B-8 **Depth:** 0-3'
Date: 1/15/2026

Tested by: GG
Checked by: MS
Remarks:

R-VALUE TEST REPORT

Moore Twining Associates, Inc.

Figure N/A

MOORE TWINING ASSOCIATES, INC.

Project Name:	Courthouse Park Site, Fresno, CA	Report Date:	8/14/2023
		Sample Date:	7/7/2023
Project Number	C88004.01-03		

CONSTANT VOLUME FLEXIBLE-WALL PERMEABILITY TEST (ASTM D-5084)
FALLING HEAD RISING TAIL

Sample Location:	B-5 @ 8.5-10'		
Sample Description:	Poorly graded sand with silt (SP-SM)		
Sampled By:	AV / SR	**Tested By:**	M. Shwiyhat
Setup Date:	8/9/2023	**Completion Date:**	8/14/2023

Stage	Initial	Final
Wet Weight, gm	429.3	484.2
Dry Weight, gm	408.0	408.0
Moisture content, %	5.2	18.7
Average Length, in	3.096	3.090
Average Diameter, in	2.415	2.410
Total Volume (Vt), ft^3	8.21E-03	8.16E-03
Volume of Water (Vw), ft^3	7.52E-04	2.69E-03
Volume of Solids (Vs), ft^3	5.33E-03	5.33E-03
Volume of Air Va), ft^3	2.12E-03	1.36E-04
Volume of Voids (Vv), ft^3	2.87E-03	2.82E-03
Degree of Saturation (S), %	26	95
Dry Density, pcf	109.5	110.1
Void Ratio (e)	0.54	0.53
Porosity (n)	35.0	34.6
"B" Value	95	
Back Pressure, psi	22	
Effective Pressure, psi	5	
Average Permeability, cm/sec	2.08E-04	
Average Permeability @ 20°C, cm/sec	2.07E-04	

Notes:

1- De-aired tap water was used as the permeant liquid.

2- Porosity was based on an assumed specific gravity of 2.70.

3- Test specimens was Insitue

4- Average temperature during trials: 20.2 °C.

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Project Name:	Courthouse Park Site, Fresno, CA		Report Date:	8/14/2023
Project Number	C88004.01-03		Sample Date:	7/7/2023
Sample location:	B-5 @ 8.5-10'			

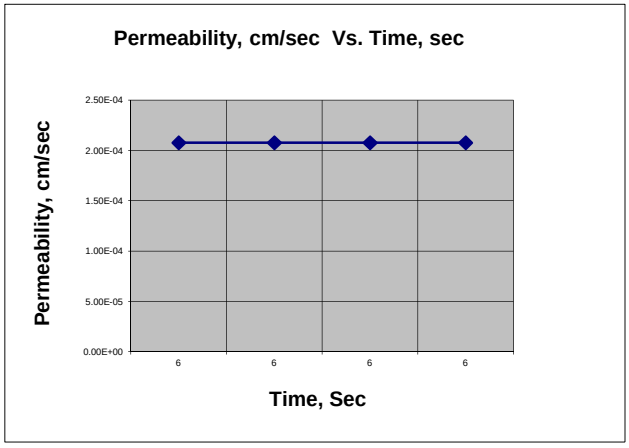
Permeability Specimen Data (ASTM D-5084):

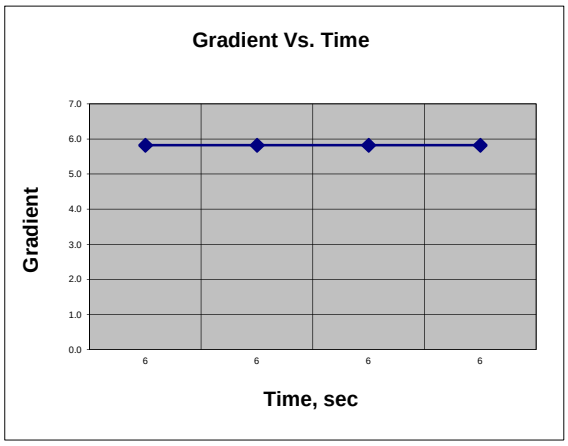
	Initial Length, in	Final Length, in	Initial Diam., in	Final Diam., in
	3.096	3.090	2.415	2.410
	3.096	3.090	2.415	2.410
	3.096	3.090	2.415	2.410
Average:	3.096	3.090	2.415	2.410

a in =	0.76712	cm^2	M1	0.03018	
a out =	0.031416	cm^2	M2	1.04095	
Length, L	7.849	cm	S	0.26682	
Area, A	29.415	cm^2	G	12.574	
GHg =	13.574		C	6.40E-04	
Gw =	1		T	0.28571	
GHg-Gw=	12.574		Z1	3.64334	
(a in*a out)/(a in + a out) =	0.03018		Zeq	1.5	Height of Mercury @ Equilibrium, cm
a out/a in =	0.040953				

Perm Trial #	Initial Head, cm Hg	Final Head, cm Hg	Elapsed Time (sec)	Hydraulic Gradient	dZ out inc.	Z1 inc.	T inc.	K Inc. (cm/sec)
	5		0					
1		2.0	6	5.8	3	3.64	0.2857	2.08E-04
2		2.0	6	5.8	3	3.64	0.2857	2.08E-04
3		2.0	6	5.8	3	3.64	0.2857	2.08E-04
4		2.0	6	5.8	3	3.64	0.2857	2.08E-04
Average:								2.08E-04

Temperature, °C	20.2
Rt	0.995374461
K=	2.08E-04
K avg. Corrected for temp.:	2.07E-04





Project Name:	Courthouse Park Site, Fresno, CA	Report Date:	8/14/2023
Project Number	C88004.01-03	Sample Date:	7/7/2023
Sample location:	B-5 @ 8.5-10'		

Glossary:

GHg:	Specific Gravity of Mercury
Gw:	Specific Gravity of Water
Rt:	Raito of the viscosity of water at test temperature to the viscosity of water at 20°C
a in:	Cross-sectional area of reservoir containing the influent/inflow liquid
a out:	Cross-sectional area of reservoir containing the effluent/outflow liquid
L:	Length of specimen
K:	Hydraulic conductivity
A:	Area of specimen

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Project Name:	Courthouse Park Site, Fresno, CA	Report Date:	8/14/2023
		Sample Date:	7/17/2023
Project Number	C88004.01-03		

CONSTANT VOLUME FLEXIBLE-WALL PERMEABILITY TEST (ASTM D-5084)
FALLING HEAD RISING TAIL

Sample Location:	B-6 @ 5-6.5'		
Sample Description:	Silty sand		
Sampled By:	SR	**Tested By:**	M. Shwiyhat
Setup Date:	8/9/2023	**Completion Date:**	8/14/2023

Stage	Initial	Final
Wet Weight, gm	422.2	469.0
Dry Weight, gm	395.5	395.5
Moisture content, %	6.8	18.6
Average Length, in	3.053	3.020
Average Diameter, in	2.416	2.400
Total Volume (Vt), ft^3	8.10E-03	7.91E-03
Volume of Water (Vw), ft^3	9.42E-04	2.59E-03
Volume of Solids (Vs), ft^3	5.17E-03	5.17E-03
Volume of Air Va), ft^3	1.99E-03	1.44E-04
Volume of Voids (Vv), ft^3	2.93E-03	2.74E-03
Degree of Saturation (S), %	32	95
Dry Density, pcf	107.5	110.2
Void Ratio (e)	0.57	0.53
Porosity (n)	36.2	34.6
"B" Value	95	
Back Pressure, psi	22	
Effective Pressure, psi	5	
Average Permeability, cm/sec	2.05E-04	
Average Permeability @ 20°C, cm/sec	2.04E-04	

Notes:

1- De-aired tap water was used as the permeant liquid.

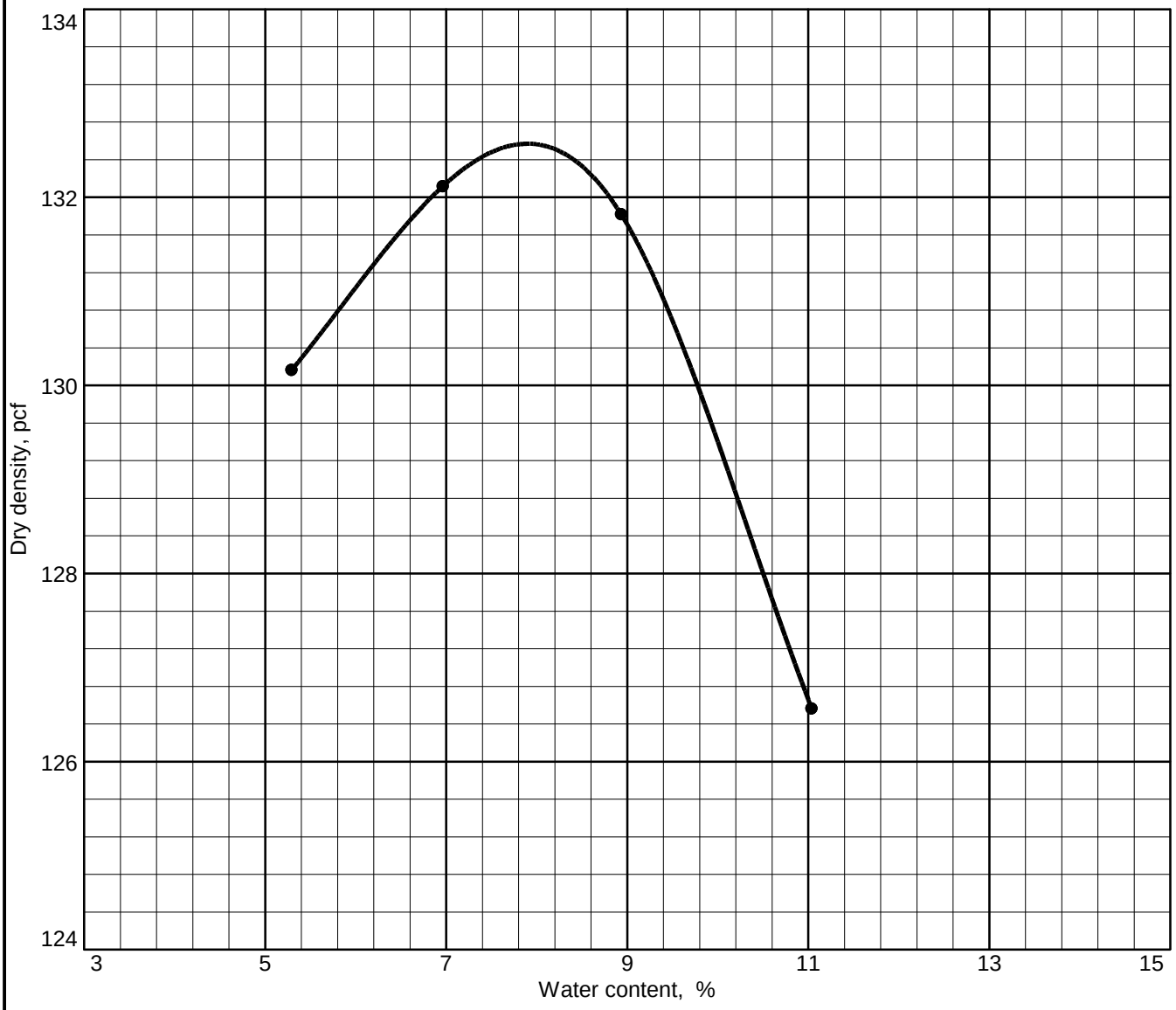
2- Porosity was based on an assumed specific gravity of 2.70.

3- Test specimens was Insitue

4- Average temperature during trials: 20.2 °C.

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COMPACTION TEST REPORT



Test specification: ASTM D 1557-12 Method A Modified

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						
7-11'	SM				NV	NP	3.6	26.5

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 132.6 pcf Optimum moisture = 7.9 %	Silty sand

Project No. C88004.01-03 **Client:** Precision Civil Engineering

Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-8 **Elev./Depth:** 7-11'

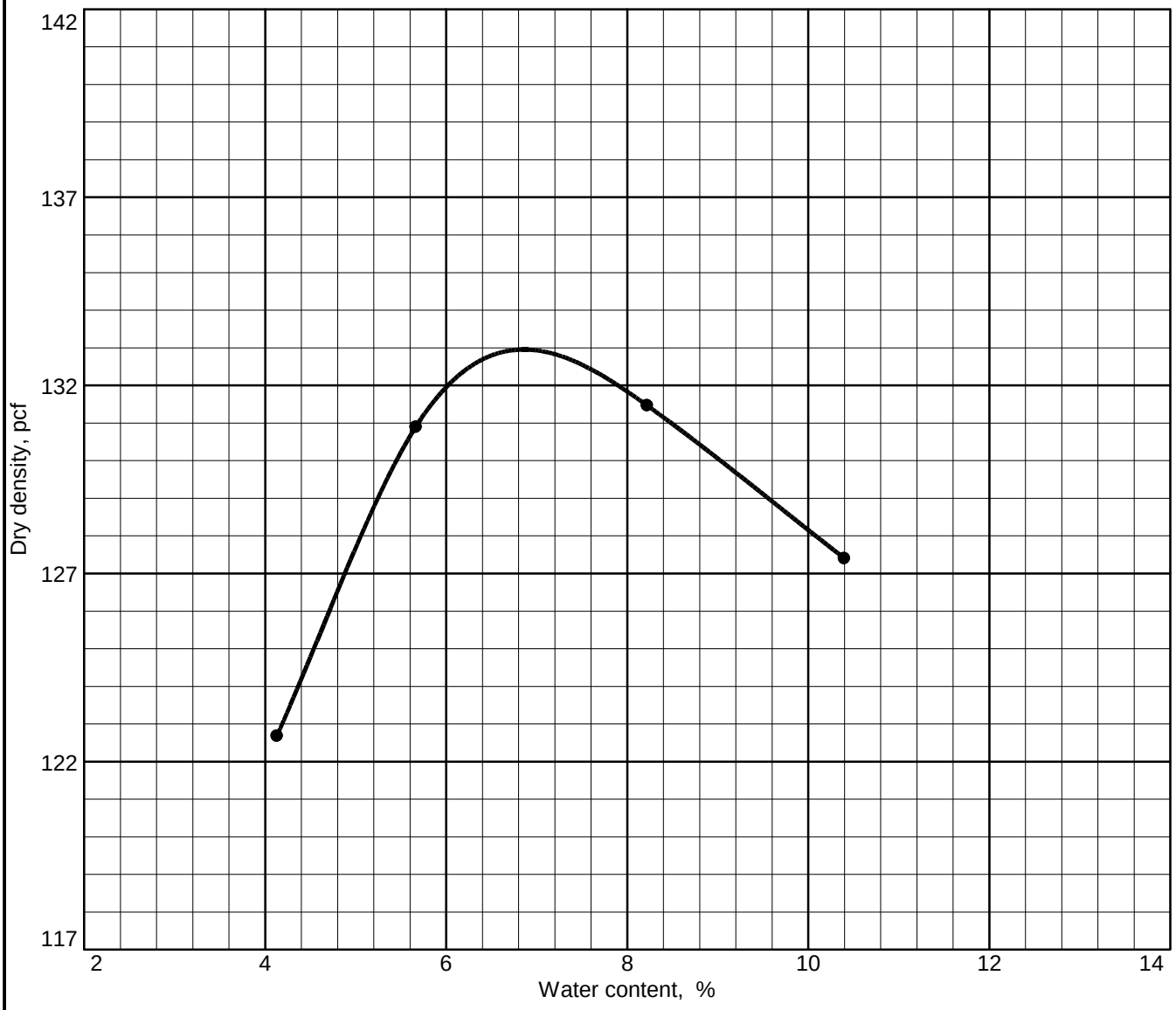
Remarks:

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Fresno, CA

Figure

COMPACTION TEST REPORT



Test specification: ASTM D 1557-12 Method A Modified

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						
0-3'	SM						0.8	25.0

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 133.0 pcf Optimum moisture = 6.9 %	Silty sand

Project No. C88004.01-03 **Client:** Precision Civil Engineering
Project: Courthouse Park Site, Fresno, CA

● **Source:** **Sample No.:** B-12 **Elev./Depth:** 0-3'

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Remarks:

Figure

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Project Name:	Courthouse Park Site, Fresno, CA	Report Date:	7/21/2023
		Sample Date:	7/7/2023
Project Number:	C88004.01-03		
		Sampled By:	AV / SR
Subject:	Minimum Resistivity, ASTM G187	Tested By:	RS
Material Description:	Silty sand	Test Date:	7/14/2023
Location:	B-3 @ 0-4'		

Laboratory Test Results, Minimum Resistivity - ASTM G187

Total Water Added, mls	Resistivity, Ohm-cm
25 mls	30,000
50 mls	26,000
75 mls	21,000
100 mls	20,000
125 mls	19,000
150 mls	11,000
175 mls	10,800
200 mls	10,400
225 mls	10,500

Remarks: Min. Resistivity is 10,400 Ohm-cm

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Project Name:	Courthouse Park Site, Fresno, CA	Report Date:	8/7/2023
		Sample Date:	7/17/2023
Project Number:	C88004.01-03		
		Sampled By:	SR
Subject:	Minimum Resistivity, ASTM G187	Tested By:	RS
Material Description:	Silty Sand	Test Date:	8/1/2023
Location:	B-3 @ 0.3-5.0'		

Laboratory Test Results, Minimum Resistivity - ASTM G187

Total Water Added, mls	Resistivity, Ohm-cm
25 mls	29,000
50 mls	23,000
75 mls	14,000
100 mls	9,000
125 mls	8,800
150 mls	8,400
175 mls	8,400
200 mls	8,300
225 mls	8,400

Remarks: Min. Resistivity is 8,300 Ohm-cm

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Project Name:	Courthouse Park Site, Fresno, CA	Report Date:	1/5/2026
		Sample Date:	11/24/2025
Project Number:	C88004.01-03		
		Sampled By:	GM
Subject:	Minimum Resistivity, ASTM G187	Tested By:	RS
Material Description:	Silty sand	Test Date:	12/30/2025
Location:	B-8 @ 0-3'		

Laboratory Test Results, Minimum Resistivity - ASTM G187

Total Water Added, mls	Resistivity, Ohm-cm
50 mls	24,000
75 mls	21,000
100 mls	22,000

Remarks: Min. Resistivity is 21,000 Ohm-cm

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MOORE TWINING ASSOCIATES, INC.

Project Name:	Courthouse Park Site, Fresno, CA	Report Date:	1/5/2026
		Sample Date:	11/24/2025
Project Number:	C88004.01-03		
		Sampled By:	GM
Subject:	Minimum Resistivity, ASTM G187	Tested By:	RS
Material Description:	Lean clay	Test Date:	12/30/2025
Location:	B-9 @ 21-24'		

Laboratory Test Results, Minimum Resistivity - ASTM G187

Total Water Added, mls	Resistivity, Ohm-cm
150 mls	3,900
175 mls	3,600
200 mls	3,500
225 mls	3,700

Remarks: Min. Resistivity is 3,500 Ohm-cm

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MOORE TWINING ASSOCIATES, INC.

Project Name:	Courthouse Park Site, Fresno, CA	Report Date:	1/5/2026
		Sample Date:	11/24/2025
Project Number:	C88004.01-03		
		Sampled By:	GM
Subject:	Minimum Resistivity, ASTM G187	Tested By:	RS
Material Description:	Silty sand	Test Date:	12/30/2025
Location:	B-12 @ 0-3'		

Laboratory Test Results, Minimum Resistivity - ASTM G187

Total Water Added, mls	Resistivity, Ohm-cm
25 mls	28,000
50 mls	24,000
75 mls	22,000
100 mls	23,000

Remarks: Min. Resistivity is 22,000 Ohm-cm

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APPENDIX D

SITE PHOTOS



Photograph of drill crew and equipment set up on test boring B-2 – looking south. Note Sheriff's Building in background, with the Existing County Courthouse further south.



Photograph of grass area near test boring B-2 – looking southwest. Note the congested area of existing underground utility lines marked in this area.



Photograph of area near test boring B-2 and B-10 in background – looking southwest. Note the manhole covers to the existing underground fuel tank(s) in the Site Area 1A.



Photograph of existing parking lot adjacent to Fresno Street in the Site 1A area- looking northeast.



Photograph of existing Courthouse Park area near test boring B-4 – looking northeast towards Site 1A. Note Sheriff's Building in the background.



Photograph during drilling of test boring B-3 – Looking southeast.



Photograph of Potholing Boring location B-12



Photograph of Boring B-10 looking south.



Photograph of area near test boring B-14 – within parking garage level P-2.



Photograph of area near test boring B-14 – looking northeast within parking garage level P-2.

APPENDIX E

SITE-SPECIFIC RESPONSE SPECTRA

26 January 2026
Revised 27 April 2026

Mr. Read Andersen, RGE
Geotechnical Division Manager
Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, California 93721

SUBJECT: Seismic Design Parameters and Site-Specific Response Spectra
New Fresno Courthouse
Fresno, California
Langan Project No. 731816301

Dear Mr. Anderson:

This letter report presents recommended seismic design parameters and the results of our site-specific response spectra development for the new Fresno Courthouse in Fresno, California. The new Fresno Courthouse is planned as an 11-story tower above a one-level basement. The site for the new courthouse is located at the southwest corner of Fresno Street and M Street, northeast of the existing Fresno Courthouse, as shown on Figure 1.

SCOPE OF SERVICES

The scope of services for this letter report was completed in accordance with our proposal dated 15 April 2025. We reviewed the results of geotechnical borings provided by you, performed geophysical testing, and developed site-specific response spectra in accordance with the 2025 California Building Code (CBC), and by reference ASCE 7-22. As such we developed site-specific response spectra for the Risk-Targeted Maximum Considered Earthquake (MCE_R) and Design Earthquake (DE).

GEOPHYSICAL TESTING

A Multichannel Analysis of Surface Waves (MASW) survey was performed on 6 January 2026 by GEOVision Geophysical Services (GEOVision) of Corona, California in the vicinity of the proposed new courthouse, as shown on Figure 2.

MASW is a non-destructive test, where geophones are placed on the ground surface in a linear array. Active- and passive-source surface wave measurements were made as part of the survey. The active-source surface array (Array 1) included geophones spaced about 5 feet apart for a total length of 235 feet. A hammer striking a steel plate placed on the ground surface was used to generate the seismic waves. The MASW survey was used to measure shear wave velocities with depth and estimate the average shear wave velocity in the upper 100 feet, V_{S30}.

A passive-source surface wave technique consisting of the array microtremor method was used to extend the depth of investigation. The passive-source surface array (Array 2) included geophones spaced about 15 feet apart along an L-shaped array with leg lengths of 300 feet.

The MASW survey results and a brief evaluation by GEOVision are presented in Appendix A.

SEISMIC DESIGN CRITERIA

Based on the shear wave velocity measurements at the site, the measured average shear wave velocity in the upper 30 meters (V_{S30}) is approximately 1,136 feet per second, which corresponds to Site Class CD per ASCE 7-22.

Code-Based Seismic Design Values

The 2025 CBC, and by reference ASCE 7-22, provides multi-period spectra for seismic design, where required. Digitized values of the general procedure ground motion analysis multi-period spectra for Site Class CD, in accordance with the 2025 CBC, are presented in Table 1.

TABLE 1
Multi-Period Code-Based DE and MCE_R Spectra
2025 CBC (ASCE 7-22 General Procedure)

Period (seconds)	DE	MCE_R
0.01	0.27	0.41
0.10	0.52	0.78
0.20	0.67	1.00
0.30	0.66	0.99
0.40	0.60	0.9
0.50	0.55	0.82
0.75	0.42	0.62
1.00	0.32	0.48
1.50	0.21	0.32
2.00	0.16	0.23
3.00	0.10	0.15
4.00	0.074	0.11
5.00	0.058	0.087

To develop a two-period response spectrum in accordance with the provisions of 2025 CBC, we recommend the following:

- Risk-Targeted Maximum Considered Earthquake (MCE_R) S_s and S_1 of 0.72g and 0.24g, respectively.
- MCE_R and DE spectral response acceleration parameters at short periods, S_{MS} and $S_{DS,}$ of 0.90g and 0.60g, respectively.
- MCE_R and DE spectral response acceleration parameters at one-second period, S_{M1} and S_{D1}, of 0.48g and 0.32g, respectively

The code-based design values have been included as reference only. We understand the structures will be designed using the site-specific response spectra detailed below and in Appendix B.

Site-Specific Response Spectra

We developed site-specific response spectra in accordance with 2025 CBC criteria, and by reference ASCE 7-22. As such, we performed probabilistic seismic hazard analysis (PSHA) and deterministic analysis to develop recommended horizontal spectra at the ground surface for the Risk Targeted Maximum Considered Earthquake (MCE_R) and Design Earthquake (DE) consistent with ASCE 7-22 and 2025 CBC.

The recommended spectra are presented on Figure 3 for 5 percent damping for the MCE_R and DE; digitized values of the MCE_R and DE are presented in Table 2.

Details of our analysis are presented in Appendix B.

TABLE 2
Recommended MCE_R and DE Spectra
Sa (g) for 5 percent damping

Period (seconds)	MCE_R	DE
0.01	0.449	0.299
0.10	0.875	0.584
0.20	1.102	0.735
0.30	1.071	0.714
0.40	0.966	0.644
0.50	0.875	0.583
0.75	0.650	0.434
1.00	0.493	0.328
1.50	0.319	0.213
2.00	0.230	0.153
3.00	0.145	0.096
4.00	0.103	0.069
5.00	0.078	0.052

Because site-specific procedure was used to determine the recommended response spectra, the corresponding values of S_{MS}, S_{M1}, S_{DS} and S_{D1} per Section 21.4 of ASCE 7-22 should be used as shown in Table 3.

TABLE 3
Site-Specific Design Spectral Acceleration Values

Parameter	Spectral Acceleration Value (g's)
S_{MS}[1]	0.992
S_{M1}[2]	0.493
S_{DS}[1]	0.661
S_{D1}[2]	0.328

Notes:

1. S_{DS} is based on the site-specific response spectra and is based on 90 percent of the maximum spectral acceleration within the period range of 0.2 to 5 seconds; it is governed by 90 percent of the spectral acceleration at a period of 0.2 seconds. S_{MS} is 1.5 times the S_{DS}.
2. S_{D1} is based on the site-specific response spectra and is based on either (1) 90 percent of the maximum of the product of period, T, and spectral acceleration, Sa, for periods from 1.0 to 5.0 seconds or (2) 100 percent of the value of Sa at a period of 1.0 second, whichever is greater; it is governed by the value of Sa at a period of 1.0 second. S_{M1} is 1.5 times the S_{D1}.

We trust this provides the information required at this time.

Sincerely,
Langan CA, Inc.



Justin Ray, GE
Associate



Elena Ayers, GE
Associate Principal



John Gouchon, GE
Principal

Attachments: References
Figures
Appendix A – Results of Geophysical Testing
Appendix B – Site-Specific Response Spectra

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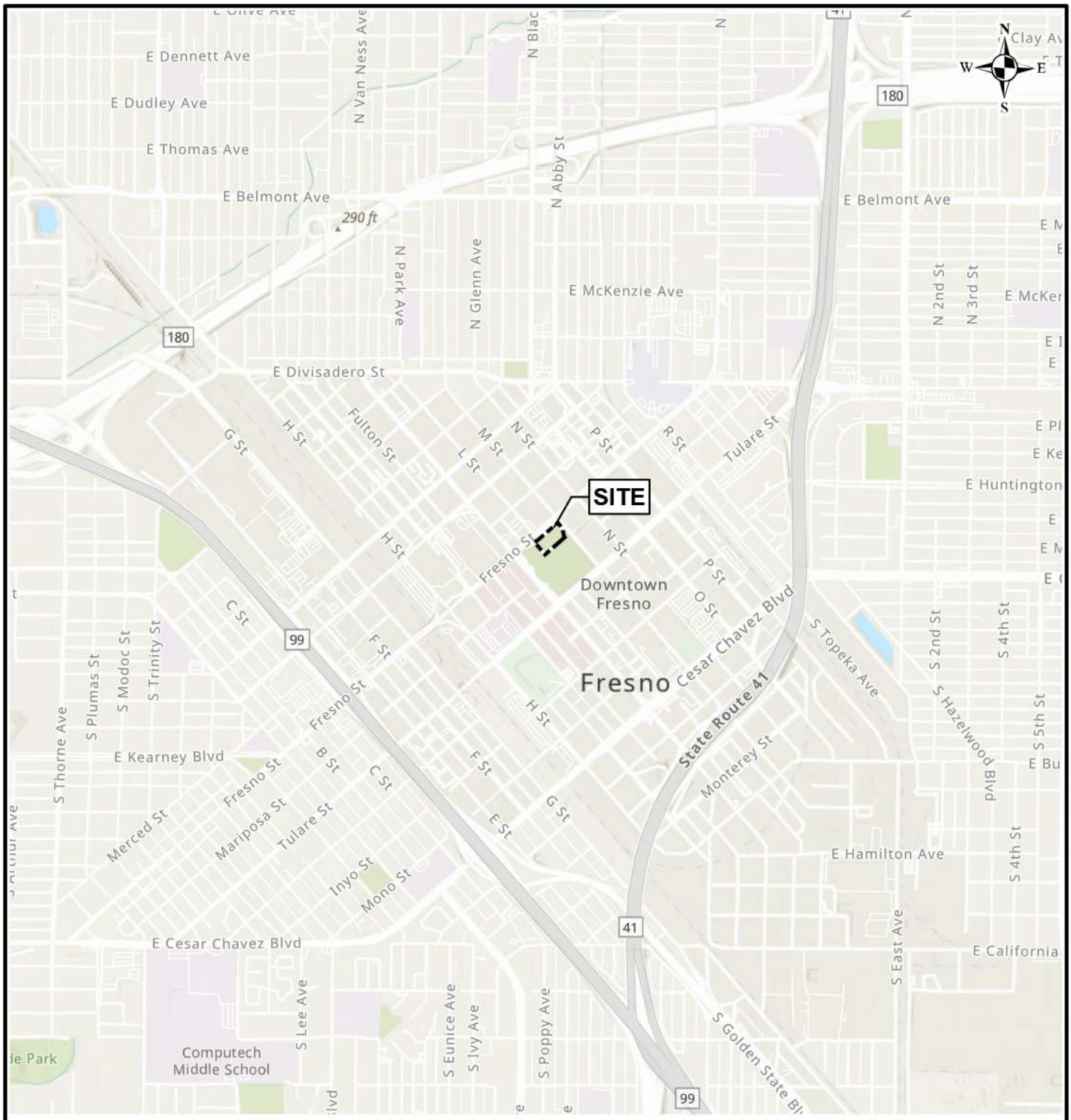
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FIGURES



Legend

Site Boundary

Notes:
1. Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online, National Geographic Society, i-cubed.

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LANGAN
Langan CA, Inc.
135 Main Street, Suite 1500
San Francisco, CA 94105
T: 415.955.5200 F: 415.955.5201 www.langan.com

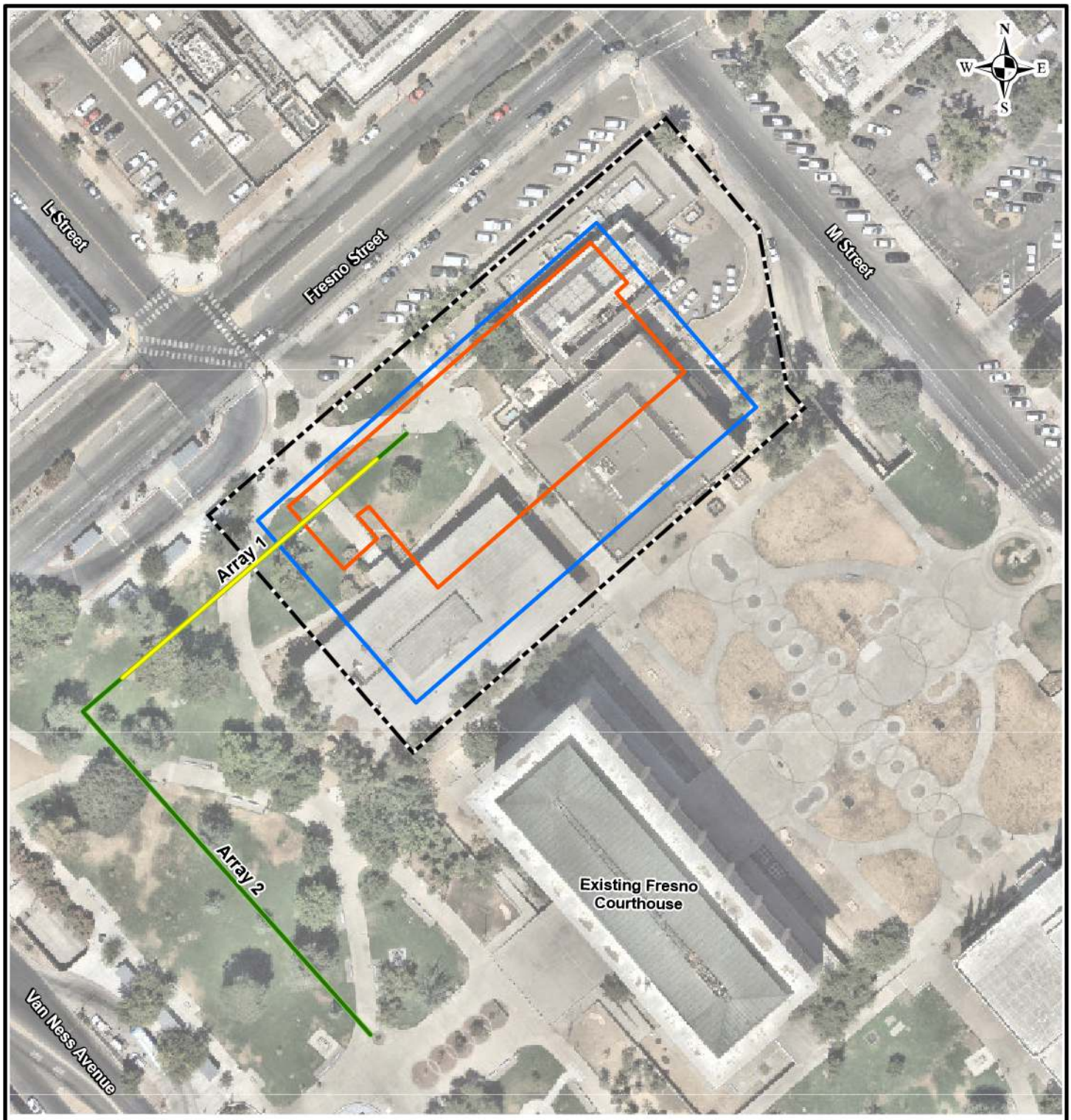
Project
NEW FRESNO COURTHOUSE
FRESNO
FRESNO COUNTY CALIFORNIA

Figure Title
SITE LOCATION MAP

Project No.	Figure No.
731816301	1
Date: 4/27/2026	
Scale: 1" = 2,000'	
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Legend

- MASW Array
- Microtremor Array
- Outline of Tower
- Outline of Basement
- Site Boundary

Notes:
1. Aerial is provided by Nearmap, flown 07/24/2025.
2. All features shown are approximate.
3. Proposed structure location is approximate and based on the Site Geologic Map by Moore Twining Associates, Inc., dated 7/20/2023.

100 0 100
SCALE IN FEET

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135 Main Street, Suite 1500
San Francisco, CA 94105
T: 415.955.5200 F: 415.955.5201 www.langan.com

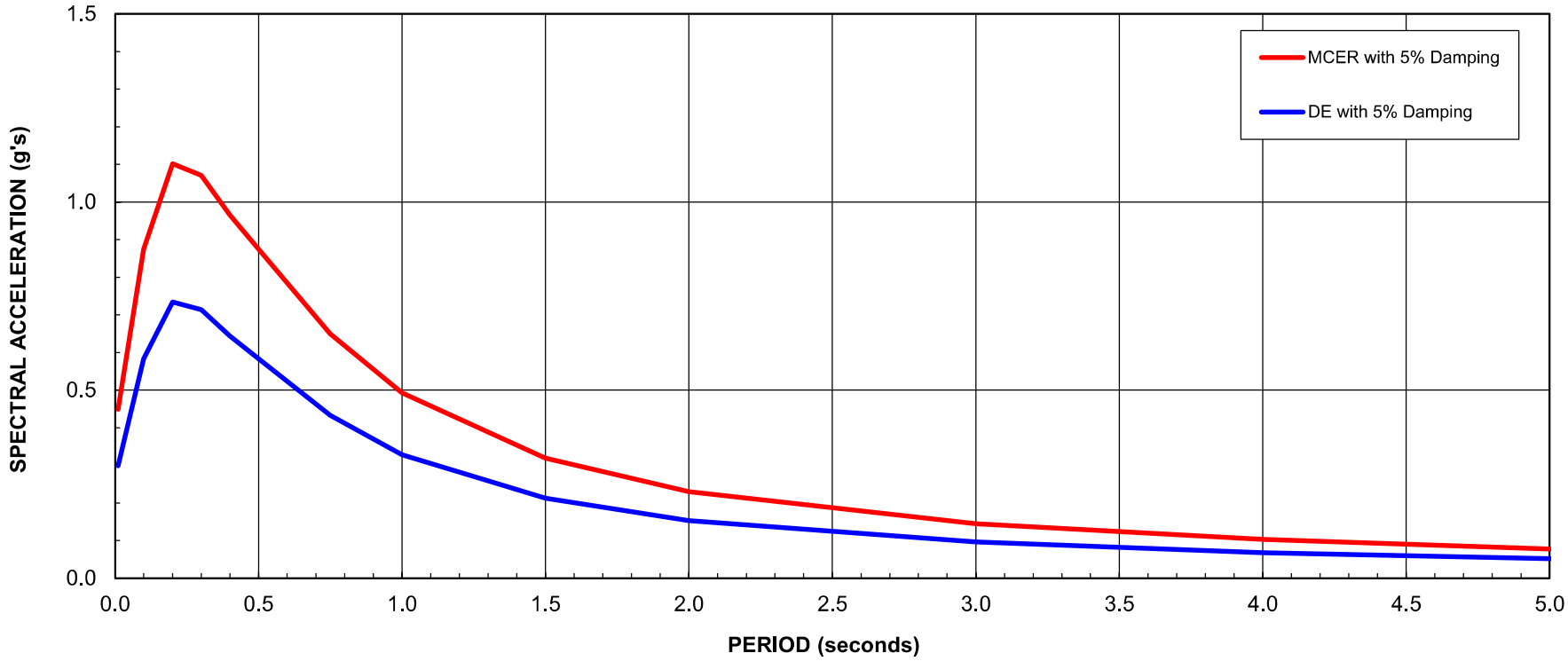
Project
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Figure Title
SITE PLAN

Project No.	Figure No.
731816301	2
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Notes

1. Damping Ratio = 5%
2. Measured V_{S30} = 346 m/s

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NEW FRESNO COURTHOUSE FRESNO FRESNO COUNTY CALIFORNIA	**RECOMMENDED HORIZONTAL SPECTRA**	731816301 Date 1/19/2026 Scale AS SHOWN Prepared By: JCR	**3**

APPENDIX A

RESULTS OF GEOPHYSICAL TESTING

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REPORT

SURFACE WAVE MEASUREMENTS

PROPOSED COURTHOUSE AT COURTHOUSE PARK FRESNO, CALIFORNIA

GEO*Vision* Project No. 25473

Prepared for

Langan
135 Main Street, Suite 1500
San Francisco, California 94105
(415) 955-5200

Prepared by

GEO*Vision*, Inc.
1124 Olympic Drive
Corona, California 92881
(951) 549-1234

Report 25473-01 Rev 0

January 12, 2026

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1 INTRODUCTION

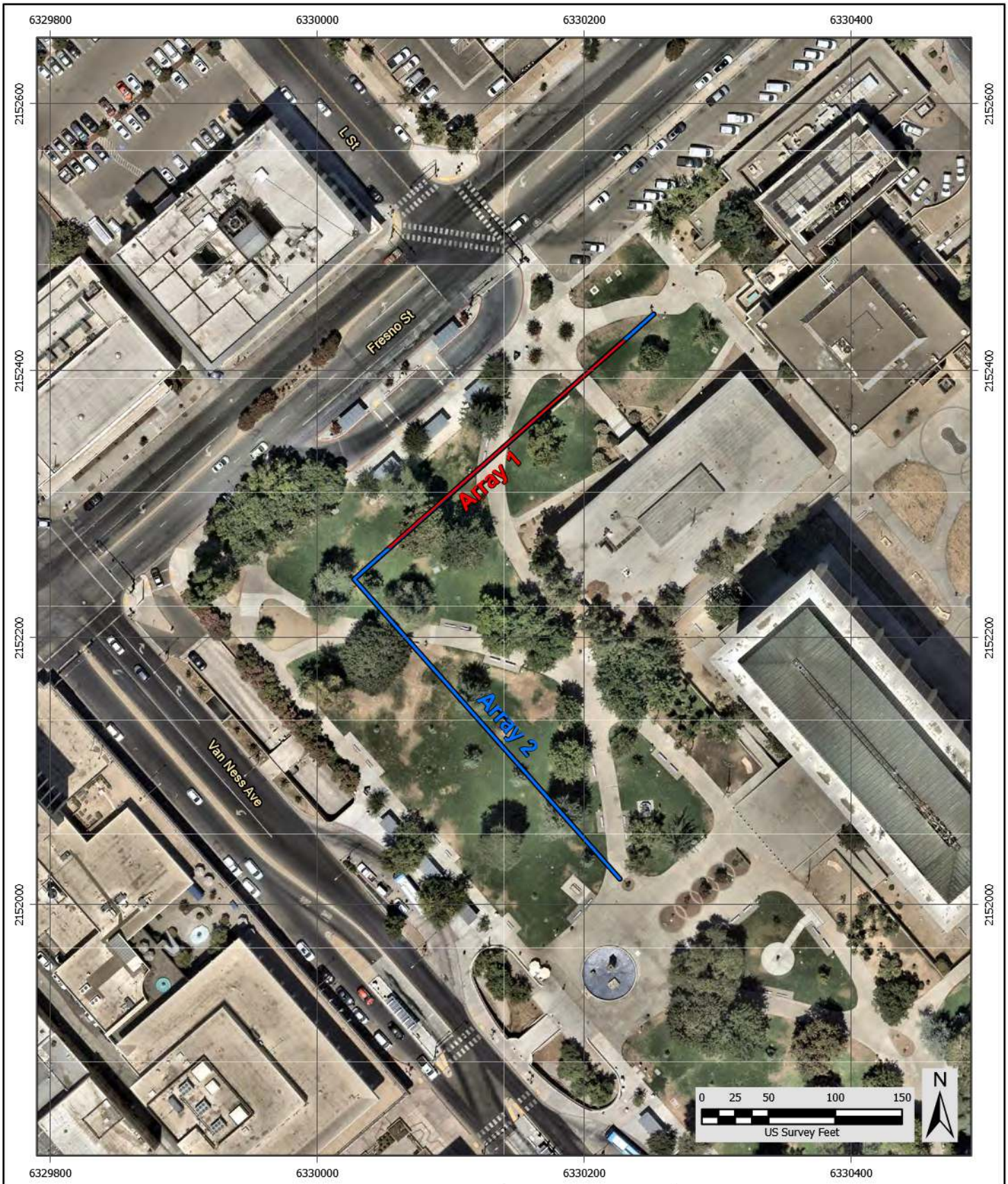
Active- and passive-source surface wave measurements were made at the Proposed Courthouse at Courthouse Park project site in Fresno, California on January 6, 2026. The purpose of this investigation was to provide a shear (S) wave velocity profile to a depth of 100 ft, or greater, and estimate the average S-wave velocity of the upper 100 ft (V_{S100ft}). The active-source surface wave technique utilized during this investigation consisted of the multi-channel analysis of surface waves (MASW) method. The passive-source surface wave technique consisted of the array microtremor method. The locations of the active- and passive-source surface wave arrays are shown in Figure 1. MASW measurements were made along a linear array (Array 1) and array microtremor measurements were made using a L-shaped array (Array 2).

For seismic design, the 2025 California Buiilding Code (CBC) references the provisions in ASCE 7-22, Chapter 20 (Minimum Design Loads and Associated Criteria for Buildings and Other Structures). The Site Classes and associated S-wave velocity ranges outlined in Table 20.2-1 of ASCE 7-22 are as follows:

Site Class A – Hard rock – $V_{S100ft} > 5{,}000$ ft/s
Site Class B – Medium hard rock – $3{,}000 < V_{S100ft} \leq 5{,}000$ ft/s
Site Class BC – Soft rock – $2{,}100 < V_{S100ft} \leq 3{,}000$ ft/s
Site Class C – Very dense sand or hard clay – $1{,}450 < V_{S100ft} \leq 2{,}100$ ft/s
Site Class CD – Dense sand or very stiff clay – $1{,}000 < V_{S100ft} \leq 1{,}450$ ft/s
Site Class D – Medium dense sand or stiff clay – $700 < V_{S100ft} \leq 1{,}000$ ft/s
Site Class DE – Loose sand or medium stiff clay – $500 < V_{S100ft} \leq 700$ ft/s
Site Class E – Very loose sand or soft clay – V_{S100} ft/s ≤ 500 ft/s
Site Class F – Soils requiring site response analysis

At many sites, active-source surface wave techniques with the utilization of portable energy sources, such as hammers and weight drops, are sufficient to obtain S-wave velocity sounding to 100 ft depth. However, at sites with high ambient noise levels and/or very soft soils, these energy sources may not be sufficient to image to 100 ft depth and a larger energy source, such as a bulldozer, is necessary. Alternatively, passive-source surface wave techniques, such as the array microtremor method, can be used to extend the depth of investigation providing the site has sufficient ambient noise. Two-dimensional passive-source surface wave arrays (e.g., triangular, circular, or L-shaped arrays) are expected to perform significantly better than linear arrays.

This report provides the results of the active and passive surface wave measurements conducted at the site. An overview of the surface wave methods is given in Section 2. Field and data reduction procedures are discussed in Sections 3 and 4, respectively. Data modeling is presented in Section 5 and interpretation and results are presented in Section 6. References and our professional certification are presented in Sections 7 and 8, respectively.



MASW Array

Microtremor Array

Notes:
Coordinate System: NAD 1983 StatePlane California IV FIPS 0404 Feet
Base map source: Nearmap (7-2025)

GEOVision geophysical services

Date:	1/9/2026
GV Project:	25473
Developed by:	A Martin
Drawn by:	T Rodriguez
Approved by:	A Martin
File Name:	GV_25473

FIGURE 1
SITE MAP

PROPOSED COURTHOUSE
AT COURTHOUSE PARK
FRESNO, CALIFORNIA

PREPARED FOR
LANGAN, INC.

2 OVERVIEW OF SURFACE WAVE TECHNIQUES

2.1 Introduction

Active- and passive-source (ambient vibration) surface wave techniques are routinely utilized for site characterization. Active-source surface wave techniques include the spectral analysis of surface waves (SASW) and multi-channel array surface wave (MASW) methods. Passive-source surface wave techniques include the horizontal over vertical spectral ratio (HVSR) method, and the array and refraction microtremor methods.

The basis of surface wave methods is the dispersive characteristic of Rayleigh and Love waves when propagating in a layered medium. Surface waves of different wavelengths (λ) or frequencies (f) sample different depths. As a result of the variance in the shear stiffness of the distinct layers, waves with different wavelengths propagate at different phase velocities; hence, dispersion. A surface wave dispersion curve is the variation of V_R or V_L with λ or f. The Rayleigh wave phase velocity (V_R) depends primarily on the material properties (V_S, mass density, and Poisson's ratio or compression wave velocity) over a depth of approximately one wavelength. The Love wave phase velocity (V_L) depends primarily on V_S and mass density. Rayleigh and Love wave propagation are also affected by damping or seismic quality factor (Q). Rayleigh wave techniques are utilized to measure vertically polarized S-waves (S_V-wave); whereas Love wave techniques are utilized to measure horizontally polarized S-waves (S_H-wave).

2.2 Surface Wave Techniques

The MASW and array microtremor techniques were utilized during this investigation and are discussed below.

2.2.1 MASW Technique

A description of the MASW method is given by Park, 1999a and 1999b and Foti, 2000. Ground motions are typically recorded by 24, or more, geophones typically spaced 1 to 3 m apart along a linear array and connected to a seismograph. Energy sources for shallow investigations include various sized hammers and vehicle mounted weight drops. When applying the MASW technique to develop a one-dimensional (1-D) V_S model, it is preferable to use multiple-source offsets from both ends of the array. The most routinely applied MASW technique is the Rayleigh-wave based MASW method, which we refer to as MAS_RW to distinguish from Love-wave based MASW (MAS_LW). MAS_RW and MAS_LW acquisition can easily be combined with P- and S-wave seismic refraction acquisition, respectively. MAS_RW data are generally recorded using a vertical source and vertical geophone but may also be recorded using a horizontal geophone with radial (in-line) orientation. MAS_LW data are recorded using transversely orientated horizontal source and transverse horizontal geophone.

A wavefield transform is applied to the time-history data to convert the seismic record from time-offset space to frequency-wavenumber (f-k) space in which the fundamental or higher surface-wave modes can be easily identified as energy maxima and picked. Frequency and/or wavenumber can easily be mapped to phase velocity, slowness, or wavelength using the following properties: $k = 2\pi/\lambda$, $\lambda = v/f$. Common wave-field transforms include: the f-k transform (a 2D fast Fourier transform), slant-stack transform (also referred to as intercept-slowness or τ-p transform and equivalent to linear Radon transform), frequency domain

beamformer, and phase-shift transform. The minimum wavelength that can be recovered from MASW data set without spatial aliasing is equal to the minimum receiver spacing. Occasionally, SASW analysis procedures are used to extract surface wave dispersion data, from fixed receiver pairs, at smaller wavelengths than can be recovered by wavefield transformation. Construction of a dispersion curve over the wide frequency/wavelength range necessary to develop a robust V_S model while also limiting the maximum wavelength based on an established near-field criterion (e.g., Yoon and Rix, 2009; Li and Rosenblad, 2011), generally requires multiple source offsets.

Although the clear majority of MASW surveys record Rayleigh waves, it has been shown that Love wave techniques can be more effective in some environments, particularly shallow rock sites and sites with a highly attenuative, low velocity surface layer (Xia, et al., 2012; **GEO***Vision*, 2012; Yong, et al., 2013; Martin, et al., 2014). Rayleigh wave techniques, however, are generally more effective at sites where velocity gradually increases with depth because larger energy sources are readily available for the generation of Rayleigh waves. Rayleigh wave techniques are also more applicable to sites with high velocity layers and/or velocity inversions because the presence of such structures is more apparent in the Rayleigh wave dispersion curves than in Love wave dispersion curves. Rayleigh wave techniques are preferable at sites with a high velocity surface layer because Love waves do not theoretically exist in such environments. Occasionally, the horizontal radial component of a Rayleigh wave may yield higher quality dispersion data than the vertical component because different modes of propagation may have more energy in one component than the other. Recording both the vertical and horizontal components of the Rayleigh wave is particularly useful at sites with complex modes of propagation or when attempting to recover multiple Rayleigh wave modes for multi-mode modeling as demonstrated in Dal Moro, et al, 2015. Joint inversion of Rayleigh and Love wave data may yield more accurate V_S models and offer a means to investigate anisotropy, where S_V- and S_H-wave velocity are not equal, as shown in Dal Moro and Ferigo, 2011.

2.2.2 Array Microtremor Technique

A detailed discussion of the array microtremor method can be found in Okada, 2003. Unlike active source techniques which use an active energy source (e.g., hammer), the array microtremor technique (also referred to as passive surface wave or array ambient vibration method) records background noise (ambient vibrations) emanating from ocean wave activity, wind noise, traffic, industrial activity, construction, etc. The technique uses 4, or more, receivers aligned in a 2-dimensional array. Triangle, circle, semi-circle, and “L” shaped arrays are commonly used, although any 2-dimensional arrangement of receivers can be used.

For investigations of the upper 100 m, receivers typically consist of 1 to 4.5 Hz geophones. For deeper investigations, 5 to 120 s seismometers are generally utilized. The nested triangle array, which consists of several embedded equilateral triangles, is popular as it provides accurate dispersion curves with a relatively small number of geophones. The “L” array is useful at sites located at the corner of intersecting streets. The maximum receiver separation in an array should be at a minimum equal to the desired depth of investigation.

Typically, 15 to 60 minutes of ambient vibration data is recorded depending on the size of the array, desired depth of investigation, and noise conditions. Investigations to depths on the order of 1 km may require that ambient vibrations are recorded for a much longer duration. The surface wave dispersion curve is typically estimated from array microtremor data using various f-k methods such as beamforming (Lacoss, et al., 1969), and maximum-likelihood (Capon,

1969), and the spatial-autocorrelation (SPAC) method. The beam-forming and maximum-likelihood methods are generally referred to as the frequency wavenumber (FK) and high-resolution frequency wavenumber (HRFK or HFK) methods. The SPAC method was originally based on work by Aki, 1957 and has since been extended and modified (Ling and Okada, 1993 and Ohori *et al*., 2002) to permit the use of noncircular arrays, and is now collectively referred to as extended spatial autocorrelation (ESPAC or ESAC). Further modifications to the SPAC method permit the use of irregular or random arrays (Bettig *et al*., 2001). Although it is common to apply SPAC methods to obtain a surface wave dispersion curve for modeling, other approaches involve direct modeling of the coherency data, also referred to as SPAC coefficients (Asten, 2006 and Asten, *et al*., 2015). The beam-forming and maximum-likelihood methods are generally referred to as the frequency wavenumber (FK) and high-resolution frequency wavenumber (HRFK or HFK) methods, respectively. More recently, a Rayleigh wave three-component beamforming method (RTBF) has been developed (Wathelet, et al., 2018) and appears to offer significant resolution enhancements over other methods.

FK, HRFK and RTBF methods are generally expected to perform better when ambient vibration sources are not azimuthally well-distributed (e.g., rural area where the primary noise source is a large industrial facility). SPAC methods are expected to perform better when noise sources are azimuthally well-distributed (e.g., in a large, urbanized area).

The minimum wavelength surface wave that can be extracted from an array microtremor dataset acquired utilizing a symmetric array is typically set equal to the minimum receiver spacing. The maximum wavelength is often set equal to twice the maximum receiver separation for SPAC analysis and the maximum receiver spacing for FK analysis.

2.3 Surface Wave Dispersion Curve Modeling

The dispersion curves generated from the active and passive surface wave soundings are generally combined and modeled using iterative forward and inverse modeling routines. The final model profile is assumed to represent actual site conditions. The theoretical model used to interpret the dispersion curve assumes horizontally layered, laterally invariant, homogeneous-isotropic material. Although these conditions are seldom strictly met at a site, the results of active and/or passive surface wave testing provide a good "global" estimate of the material properties along the array. The results may be more representative of the site than a borehole "point" estimate.

The surface wave forward problem is typically solved using the Thomson-Haskell transfer-matrix (Thomson, 1950; Haskell, 1953) later modified by Dunkin (1965) and Knopoff (1964), dynamic stiffness matrix (Kausel and Roësset, 1981), or reflection and transmission coefficient (Kennett, 1974) methods. All these methods can calculate fundamental- and higher-mode phase velocities, which correspond to plane waves in 2-D space. The transfer-matrix method is often used in MASW and passive surface-wave software packages, whereas the dynamic stiffness matrix is utilized in many SASW software packages. MAS$_R$W and/or passive surface-wave modeling may involve modeling of the fundamental mode, some form of effective mode, or multiple individual modes (multi-mode). As outlined in Roësset et al. (1991), several options exist for forward modeling of Rayleigh wave SASW data. One formulation considers only fundamental mode plane Rayleigh-wave motion (called the 2-D solution), whereas another includes all stress waves (e.g., body, fundamental, and higher mode surface waves) and incorporates a generalized receiver geometry (3-D global solution) or actual receiver geometry

(3-D array solution).

The fundamental mode assumption is generally applicable to modeling Rayleigh-wave dispersion data collected at normally dispersive sites, providing there are not abrupt increases in velocity or steep velocity gradients. Effective-mode or multi-mode approaches are often required for irregularly dispersive sites and sites with steep velocity gradients at shallow depth. If active and passive surface wave data are combined or $MASW$ data are combined from multiple seismic records with different source offsets and receiver gathers, then effective-mode computations are limited to algorithms that assume far-field plane Rayleigh wave propagation. Local search (e.g., linearized matrix inversion methods) or global search methods (e.g., Monte Carlo approaches such as simulated annealing, generic algorithm, and neighborhood algorithm) are typically used to solve the inverse problem.

The maximum wavelength (λ_{max}) recovered from a surface wave data set is typically used to estimate depth of investigation although a sensitivity analysis of the V_S models would be a more robust means to estimate depth of investigation. For normally dispersive velocity profiles with a gradual increase in V_S with depth, the maximum depth of investigation is on the order of $\lambda_{max}/2$ for both Rayleigh and Love wave dispersion data. For velocity profiles with an abrupt increase in V_S at depth, the maximum depth of investigation is on the order of $\lambda_{max}/3$ for Rayleigh wave dispersion data but less than $\lambda_{max}/3$ for Love wave dispersion data. The depth of investigation can be highly variable for sites with complex velocity structure (e.g., high velocity layers).

As with all other surface geophysical methods, the inversion of surface wave dispersion data does not yield a unique V_S model, and multiple possible solutions may equally fit the experimental data. Based on experience at other sites, the shear wave velocity models (V_S and layer thicknesses) determined by surface wave testing are within 20% of the velocities and layer thicknesses that would be determined by other seismic methods (Brown, 1998). The average velocity of the upper 30 m, however, is much more accurate, often to better than 5%, because it is not sensitive to the layering in the model. V_{S30} does not appear to suffer from the non-uniqueness inherent in V_S models derived from surface wave dispersion curves (Martin et al., 2006, Comina et al., 2011). Therefore, V_{S30} is more accurately estimated from the inversion of surface wave dispersion data than the resulting V_S models.

It may not always be possible to develop a coherent, fundamental mode dispersion curve over sufficient frequency range for modeling due to dominant higher modes with the higher modes not clearly identifiable for multi-mode modeling. It may, however, be possible to identify the Rayleigh wave phase velocity of the fundamental mode at 40 m wavelength (V_{R40}) in which case V_{S30} can at least be estimated using the Brown et al., 2000 relationship:

$$V_{S30} = 1.045V_{R40}$$

This relationship was established based on a statistical analysis of many surface wave data sets from sites with borehole velocity control and has been further evaluated by Martin and Diehl, 2004, and Albarello and Gargani, 2010. Further investigation of this approach has revealed that V_{S30} is generally between V_{R40} and V_{R45} with V_{R40} often being most appropriate for shallow groundwater sites and V_{R45} for deep ground water sites.

3 FIELD PROCEDURES

Two types of surface wave data were acquired at the site: an active-source surface wave array to characterize near-surface velocity structure and a passive-source surface wave array to characterize deeper velocity structure. The active- and passive-source surface wave sounding locations at the site are shown in Figure 1. Active-source surface wave data were acquired along a 48-channel linear array (Array 1) using the MASW technique. Passive-source surface wave data were acquired along a L-shaped array (Array 2) using the array microtremor method. The surface wave arrays were surveyed using a Trimble R10 GPS system with the RTX differential correction service.

MASW equipment used during this investigation consisted of Geometrics Geode signal enhancement seismographs, 4.5 Hz vertical geophones, seismic cables, a 4-lb hammer, and a 20-lb sledgehammer. MASW data were acquired along a linear array of 48 geophones spaced 5 ft apart for a length of 235 ft (Array 1). Source locations were offset at three locations between 5 and 60 ft from each end of the array, as space permitted, and at nominal 40 ft intervals in the interior of the array. The 20-lb sledgehammer was used at all source locations. The 4-lb hammer was also utilized at the source locations offset 5 feet from each end of the array and at all interior source locations. Data from the transient impacts (hammers) were generally averaged 5 to 10 times to improve the signal-to-noise ratio. All field data were saved to hard disk and documented on field data acquisition forms.

The array microtremor equipment consisted of Geometrics Geode signal enhancement seismographs and 4.5 Hz vertical geophones. Array 2 consisted of 41 geophones spaced at 15-foot intervals along an L-shaped array with leg lengths of 300 ft. Ambient noise measurements were made on Array 2 for 60 minutes at a 4-millisecond sample rate. The field geometry and associated files names were documented in field notes.

4 DATA REDUCTION

The MASW data were reduced using the software Seismic Pro Surface V9 developed by Geogiga and multiple in-house scripts for various data extraction and formatting tasks, with all data reduction documented in a Microsoft Excel spreadsheet.

The following steps were used for data reduction:

- Input seismic records to be used for analysis into software package.
- Check and correct source and receiver geometry as necessary.
- Select offset range used for analysis (multiple offset ranges utilized for each seismic record as discussed below) and document in spreadsheet.
- Apply phase shift transform to seismic record to convert the data from time – offset to frequency – phase velocity space.
- Identify, pick, save, and document dispersion curve.
- Change the receiver offset range and repeat process.
- Repeat process for all seismic records.
- Use in-house script to apply near-field criteria with maximum wavelength set equal to 1.0 times the source to midpoint of receiver array distance.
- Use in-house script to merge multiple dispersion curves extracted from the MASW data collected along each seismic line for a specific source type (different source locations, different receiver offset ranges, etc.).
- Edit dispersion data, as necessary (e.g., delete poor quality curves and outliers).
- Calculate a representative dispersion curve at equal log-frequency or log-wavelength spacing for the MASW dispersion data using a moving average, polynomial curve fitting routine.

This unique data reduction strategy, which can involve combination of over 50 dispersion curves for a 1-D sounding, is designed for characterizing sites with complex velocity structure that do not yield surface wave dispersion data over a wide frequency range from a single source type or source location. The data reduction strategy ensures that the dispersion curve selected for modeling is representative of average conditions beneath the array and spans as broad a frequency/wavelength range as possible while considering near field effects.

The array microtremor data were reduced using the SeisImager software packages developed by Oyo Corporation/Geometrics, Inc., and the following steps:

The processing sequence for implementation of the ESAC method in the SeisImager software package is as follows:

- Input seismic record(s) for a dataset into software.
- Optionally, extract subarrays with different apertures from the array.
- Load receiver geometry (x and y positions) for each channel in seismic record.
- Apply time-segmentation routine to break the data file(s) into multiple 30 to 60 second seismic records, as necessary.
- Calculate the SPAC coefficients for each seismic record and average.
- Optionally, select a subset of receiver offset ranges for analysis (e.g., only select receiver pairs with multiple azimuths).

- For each frequency calculate the RMS error between the SPAC coefficients and a Bessel function of the first kind and order zero over a user defined phase velocity range and velocity step.
- Plot an image of RMS error as a function for frequency (f) and phase velocity (v).
- Identify and pick the dispersion curve as the continuous trend on the f-v image with the lowest RMS error.
- Repeat the process for all arrays and time blocks.
- Use an in-house script to convert dispersion curves to appropriate format for editing.
- Edit dispersion data, as necessary, and use in-house script to combine all dispersion data after setting maximum wavelength to about 2 times the maximum receiver spacing.
- Calculate a representative dispersion curve for the passive dispersion data from each array using a moving average polynomial curve fitting routine.

The representative dispersion curves from the active and passive surface wave data were combined and the moving average polynomial curve fitting routine in WinSASW V3 was used to generate a composite representative dispersion curve for modeling. During this process, the active and passive surface wave dispersion data were given equal weights. An equal logarithm wavelength sample rate was used for the representative dispersion curve to reflect the gradual loss in model resolution with depth.

5 DATA MODELING

Surface wave data were modeled using the fundamental mode Rayleigh wave routine in the SeisImager WaveEQ software package. During this process, an initial velocity model was generated based on general characteristics of the dispersion curve and the inverse modeling routine utilized to adjust the layer V_S until an acceptable agreement with the observed data was obtained. Layer thicknesses were adjusted, and the inversion process repeated until a V_S model was developed with low RMS error between the observed and calculated dispersion curves. In many cases, once an acceptable V_S model is developed, layer thicknesses are adjusted, and the inversion process repeated to develop an ensemble of V_S models with similar RMS error to quantify non-uniqueness. Because the primary purpose of this investigation was to estimate V_{S100ft}, it was not considered necessary to develop multiple V_S models because model non-uniqueness only affects V_{S100ft} by several percent. Data inputs into the modeling software include layer thickness, S-wave velocity, P-wave velocity or Poisson's ratio, and mass density. P-wave velocity and mass density only have a very small influence (i.e., less than 10%) on the S-wave velocity model generated from a surface wave dispersion curve. However, realistic assumptions for P-wave velocity, which is significantly impacted by the location of the saturated zone, and mass density will slightly improve the accuracy of the S-wave velocity model.

Constant mass density values of 101 to 127 lb/ft^3 were used in the velocity profiles for subsurface soils/rock depending on P- and S-wave velocity. Within the normal range encountered in geotechnical engineering, variation in mass density has a negligible (±2%) effect on the estimated V_S from surface wave dispersion data. During modeling of Rayleigh wave dispersion data, the compression wave velocity, V_P, for unsaturated sediments was estimated using a Poisson's ratio, ν, of 0.333 and the relationship:

$$V_P = V_S \left[(2(1-\nu))/(1-2\nu)\right]^{0.5}$$

Poisson's ratio has a larger effect than density on the estimated V_S from Rayleigh wave dispersion data. Achenbach (1973) provides approximate relationship between Rayleigh wave velocity (V_R), V_S and ν:

$$V_R = V_S \left[(0.862 + 1.14\,\nu)/(1+\nu)\right]$$

Using this relationship, it can be shown that V_S derived from V_R only varies by about 10% over possible 0 to 0.5 range for Poisson's ratio where:

$$V_S = 1.16 V_R \text{ for } \nu = 0$$
$$V_S = 1.05 V_R \text{ for } \nu = 0.5$$

The common range of Poisson's ratio for unsaturated sediments is about 0.25 to 0.35. Over this range, V_S derived from modeling of Rayleigh wave dispersion data will vary by about 5%.

6 INTERPRETATION AND RESULTS

The fit of the calculated fundamental mode dispersion curve to the experimental data collected along Arrays 1 and 2 and the modeled V_S profile for the surface wave sounding are presented as Figure 2. The resolution decreases gradually with depth due to the loss of sensitivity of the dispersion curve to changes in V_S at greater depth. The V_S profile used to match the field data is provided in tabular form as Table 1.

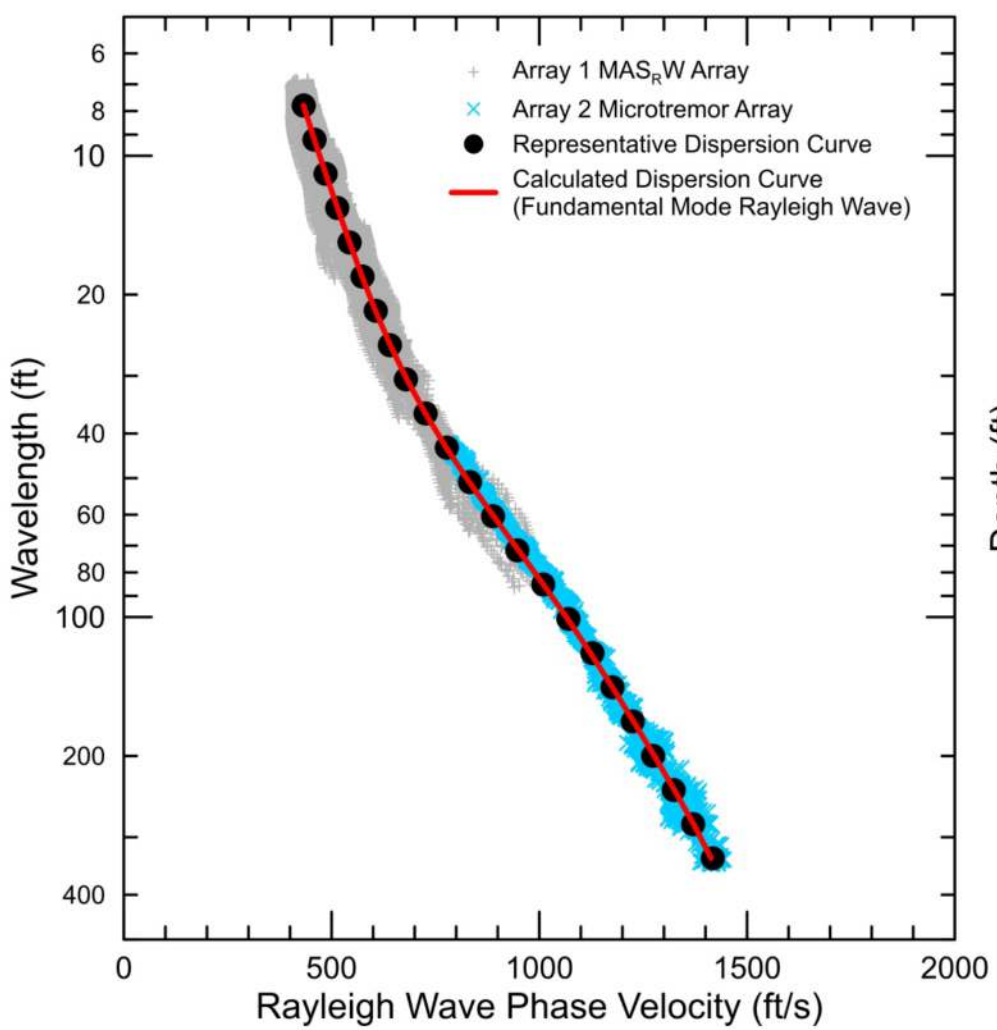
The V_S model was developed from the Rayleigh wave dispersion data derived from MASW data acquired along Array 1 and array microtremor data acquired along Array 2. The Rayleigh wave phase velocities from the microtremor array are in good agreement with those from the MASW data in the overlapping wavelength region. Scatter in dispersion data from the two arrays is expected to be primarily associated with lateral velocity variability beneath the arrays.

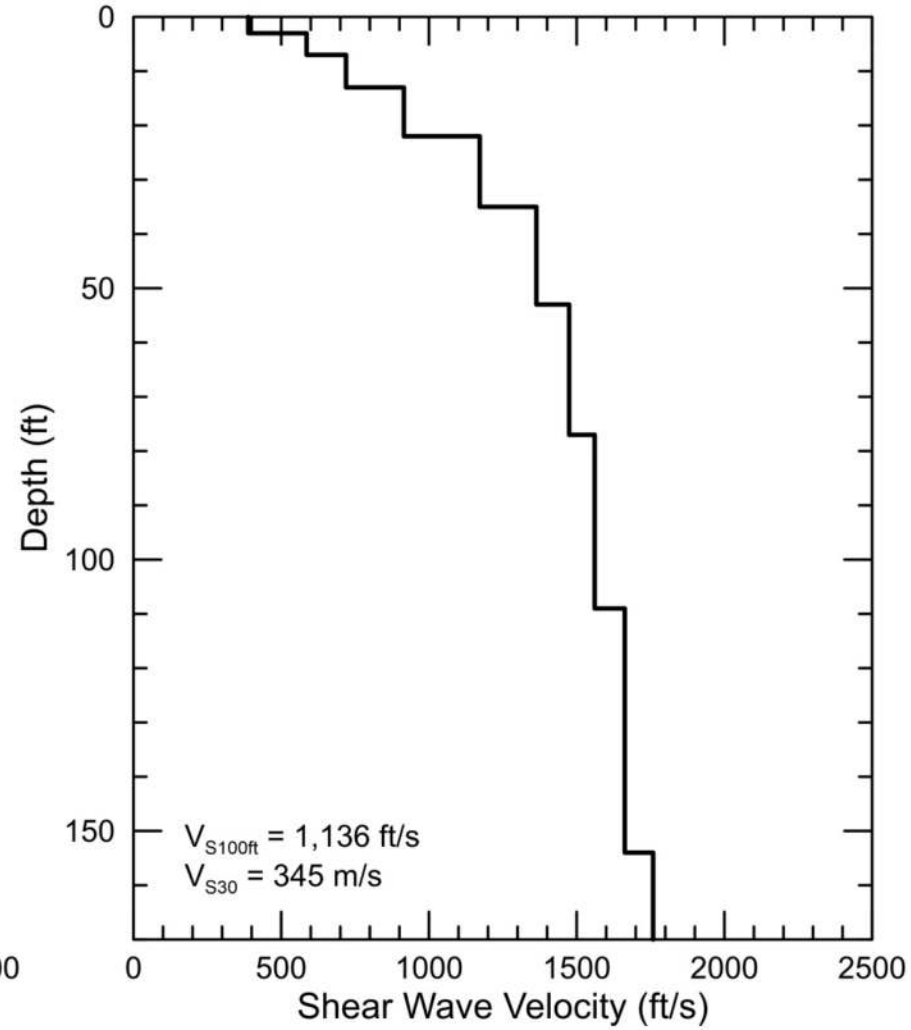
The estimated depth of investigation for the combined active- and passive-source surface wave sounding is about 170 ft. V_S gradually increases with depth from about 390 ft/s at the surface to 1,760 ft/s at a model depth of 154 ft.

The average shear wave velocity to a depth of 100 ft (V_{S100ft}) is 1136 ft/s for the V_S model. Therefore, per the criteria in the 2025 CBC and ASCE 7-22, the site is classified as Site Class CD, dense sand or very stiff clay.

Table 1 Arrays 1 and 2 V_S Model

Depth to Top of Layer (ft)	Layer Thickness (ft)	S-Wave Velocity (ft/s)	Inferred P-Wave Velocity (ft/s)	Inferred Poisson's Ratio	Inferred Unit Weight (lb/ft^3)
0.0	3.0	388	777	0.333	101.3
3.0	4.0	586	1172	0.333	111.4
7.0	6.0	719	1439	0.333	115.7
13.0	9.0	915	1830	0.333	119.5
22.0	13.0	1172	2344	0.333	122.1
35.0	18.0	1364	2727	0.333	123.8
53.0	24.0	1475	2949	0.333	124.7
77.0	32.0	1561	3122	0.333	125.4
109.0	45.0	1663	3326	0.333	126.2
154.0	Half Space	1759	3518	0.333	127.0





GEOVision geophysical services

Project No: 25473	FIGURE 2 SURFACE WAVE MODEL - ARRAYS 1 AND 2
Date: JAN 12, 2026	PROPOSED COURTHOUSE AT COURTHOUSE PARK FRESNO, CALIFORNIA
Drawn By: A MARTIN	
Approved By:	PREPARED FOR LANGAN

R:\GVProjects\2025\25473 LANGAN\Report\Figure 2.cdr

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8 CERTIFICATION

All geophysical data, analysis, interpretations, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by a **GEO*Vision*** California Professional Geophysicist.

Reviewed and approved by,



01/12/2026

Antony J. Martin — Date
California Professional Geophysicist, P. Gp.
GEO*Vision* Geophysical Services

* This geophysical investigation was conducted under the supervision of a California Professional Geophysicist using industry standard methods and equipment. A high degree of professionalism was maintained during all aspects of the project from the field investigation and data acquisition, through data processing interpretation and reporting. All original field data files, field notes and observations, and other pertinent information are maintained in the project files and are available for the client to review for a period of at least one year.

  A professional geophysicist's certification of interpreted geophysical conditions comprises a declaration of his/her professional judgment. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility to abide by contract documents, applicable codes, standards, regulations, or ordinances.

APPENDIX B

SITE-SPECIFIC RESPONSE SPECTRA

APPENDIX B
SITE-SPECIFIC RESPONSE SPECTRA

This appendix presents the details of our estimation of the level of ground shaking at the site during future earthquakes. To develop site-specific response spectra in accordance with 2025 California Building Code (CBC) criteria, and by reference ASCE 7-22, we performed probabilistic seismic hazard analysis (PSHA) and deterministic analysis to develop smooth, site-specific horizontal spectra for two levels of shaking, namely:

- Risk-Targeted Maximum Considered Earthquake (MCE_R), which corresponds to the lesser of the risk-targeted two percent probability of exceedance in 50 years (2,475-year return period) or 84th percentile of the controlling deterministic event both considering the maximum direction as described in ASCE 7-22, with appropriate lower limit checks.

- Design Earthquake (DE), which corresponds to 2/3 of the MCE_R.

B1.0 PROBABILISTIC SEISMIC HAZARD ANALYSIS

Because the location, recurrence interval, and magnitude of future earthquakes are uncertain, we performed a PSHA, which systematically accounts for these uncertainties. The results of a PSHA define a uniform hazard for a site in terms of a probability that a particular level of shaking will be exceeded during the given life of the structure.

To perform a PSHA, information regarding the seismicity, location, and geometry of each source, along with empirical relationships that describe the rate of attenuation of strong ground motion with increasing distance from the source, are needed. The assumptions necessary to perform the PSHA are that:

- the geology and seismic tectonic history of the region are sufficiently known, such that the rate of occurrence of earthquakes can be modeled by historic or geologic data;

- the level of ground motion at a particular site can be expressed by an attenuation relationship that is primarily dependent upon earthquake magnitude and distance from the source of the earthquake;

- the earthquake occurrence can be modeled as a Poisson process with a constant mean occurrence rate.

As part of the development of the site-specific spectra, we performed a PSHA to develop a site-specific response spectrum for 2 percent probability of exceedance in 50 years. The ground surface spectrum was developed using the OpenSHA Hazard Spectrum Application, Version 25.4.2. The approach used in PSHA is based on the probabilistic seismic hazard model developed by Cornell (1968) and McGuire (1976). Our analysis modeled the faults as linear sources, and earthquake activities were assigned to the faults based on historical and geologic data. The levels of shaking were estimated using ground motion models (attenuation

relationships) that are primarily dependent upon the magnitude of the earthquake and the distance from the site to the fault, as well as the average shear wave velocity of the upper 30 meters, V_{S30}.

B1.1 Probabilistic Model

In probabilistic models, the occurrence of earthquake epicenters on a given fault is assumed to be uniformly distributed along the fault. This model considers ground motions arising from the portion of the fault rupture closest to the site rather than from the epicenter. Fault rupture lengths were modeled using fault rupture length-magnitude relationships given by Wells and Coppersmith (1994).

The probability of exceedance, $P_e(Z)$, at a given ground-motion, Z, at the site within a specified time period, T, is given as:

$$P_e(Z) = 1 - e^{-V(z)T}$$

where V(z) is the mean annual rate of exceedance of ground motion level Z. V(z) can be calculated using the total-probability theorem.

$$V(z) = \sum_i v_i \iint P[Z > z \mid m, r] f_{M_i}(m) f_{R_i|M_i}(r; m)\, dr\, dm$$

where:

v_i = the annual rate of earthquakes with magnitudes greater than a threshold M_{oi} in source i

P [Z > z | m,r] = probability that an earthquake of magnitude m at distance r produces ground motion amplitude Z higher than z

f_{Mi} (m) and $f_{Ri|Mi}$ (r;m) = probability density functions for magnitude and distance

Z represents peak ground acceleration, or spectral acceleration values for a given frequency of vibration. The peak accelerations are assumed to be log-normally distributed about the mean with a standard error that is dependent upon the magnitude and attenuation relationship used.

B1.2 Source Modeling and Characterization

The segmentation of faults, maximum magnitudes, and recurrence rates were modeled using the data presented in the Uniform California Earthquake Rupture Forecast Version 3 (UCERF3) as detailed in the United States Geological Survey Open File Report 2013-1165. Table B-1 presents the distance and direction from the site to the fault, mean moment magnitude, mean slip rate, and fault length for individual fault segments in UCERF3 source model. The mean

moment magnitude presented in Table B-1 was computed assuming full rupture of the segment using Hanks and Bakun (2008) relationship.

TABLE B-1
Source Zone Parameters

Fault Name	Approx. Distance from Fault (km)	Direction from Site	Mean Moment Magnitude[B1]	Mean Slip Rate (mm/yr)	Fault Length (km)
Great Valley 12	65	West	6.2	0.8	17
Great Valley 11	65	West	6.4	1.5	24
Great Valley 13 (Coalinga)	66	Southwest	6.7	1.1	32
Great Valley 14 (Kettleman Hills)	74	Southwest	6.7	0.7	24
Great Valley 10 (Panoche)	77	West	6.3	1.1	22
Great Valley 09 (Laguna Seca)	86	West	6.6	1.6	39
Ortigalita (South)	93	West	6.9	1.2	62
Lost Hills	105	South	6.6	0.7	33
San Andreas (Creeping Section) 2011 CFM	106	Southwest	7.3	18.7	121
San Andreas (Parkfield)	107	Southwest	6.6	30.5	36
Calaveras (So) - Paicines extension 2011 CFM	111	West	6.9	7.1	60
Great Valley 08 (Quinto)	114	West	6.0	0.3	19
Ortigalita (North)	116	West	6.62	1.8	40
San Juan	117	Southwest	7.1	0.4	82
Round Valley	118	East	6.7	0.7	43
San Andreas (Cholame) rev	119	Southwest	6.9	23.0	63

Note:
1. The table above is a summary and does not include all the fault segmentation, alternate traces and low activity faults included in the UCERF3 model.

B1.3 Ground Motion Models

Based on the subsurface conditions and results of the geophysical testing, the site is classified as Site Class CD. Using the shear wave velocities measurements from the geophysical testing, we estimated the shear wave velocity of the upper 100 feet (30 meters), V_{S30}, is approximately 1,136 feet per second (346 meters per second). Furthermore, we estimated the depths Z_1 and $Z_{2.5}$ of about 417 meters and 2.02 kilometers, using the Chiou and Youngs (2013) and Campbell

[B1] Mean Moment Magnitude based on entire fault length rupturing using Hanks and Bakun (2008).

and Bozorgnia (2007) relationships, respectively. These values were used in the development of site-specific spectra.

The Pacific Earthquake Engineering Research Center (PEER) embarked on the NGA-West 2 project to update the previously developed ground motion models (GMMs), which were mostly published in 2014. We used the GMMs by Abrahamson et al. (2014), Boore et al. (2014), Campbell and Bozorgnia (2014) and Chiou and Youngs (2014). These GMMs include the average shear wave velocity in the upper 100 feet. Furthermore, these GMMs were developed using the same earthquake database, therefore, the mean of the models (using equal weights for each GMM) is appropriate and was used to develop the recommended spectra.

The NGA relationships database includes the most up-to-date recorded and processed data. The data was developed for the "mean" (Rot_{D50}) horizontal components of spectral acceleration.

B1.4 Maximum Direction

ASCE 7-22 specifies the development of MCE_R site-specific response spectra in the maximum direction. Shahi and Baker (2014) provide scaling factors that modify the Rot_{D50} spectra to provide spectral values for the maximum response (maximum direction). Therefore, we used the scaling factors presented on Table 1 of Shahi and Baker (2014) for ratios of $Sa_{RotD100}/Sa_{RotD50}$ to modify the mean PSHA results.

B2.0 PSHA RESULTS

Figure B-1 presents the mean Rot_{D50} results of the PSHA for the 2 percent probability of exceedance in 50 years hazard level (2,475-year return period) using the four GMMs discussed. The mean of these models and the mean in the maximum direction is also shown.

Figure B-2 presents the deaggregation plots of the PSHA results for the 2 percent probability of exceedance in 50 years hazard level. From the examination of these results, it can be seen that the Great Valley fault and San Andreas fault dominate the hazard at the site for various periods.

F3.0 DETERMINISTIC ANALYSIS

We performed a deterministic analysis to develop the MCE_R spectrum at the site. In a deterministic analysis, a given magnitude earthquake occurring at a certain distance from the source is considered as input into an appropriate GMM. The same GMMs, weighting factors and maximum direction factors as discussed in Sections B1.3 and B1.4 were used in our deterministic analysis.

On the basis of the deaggregation results, we developed deterministic spectra for two scenario earthquakes:

- a Moment Magnitude of 7.6 on the Great Valley 11 Creek fault at a distance of about 65.8 kilometers from the site; and

- a Moment Magnitude of 8.1 on the San Andreas fault at a distance of about 105.6 kilometers from the site.

Figure B-3 and B-4 present the 84th percentile deterministic results for the Great Valley and San Andreas scenarios, respectively, using the same four GMMs as well as the average of these models in the maximum direction.

We conclude the envelope of the two scenarios be used as the deterministic basis for the development of the MCE_R. Figure B-5 presents the average of the 84th percentile deterministic results in the maximum direction for both scenarios as well as the recommended envelope of scenarios. The Great Valley fault scenario governs for periods of up to 1.5 seconds; after which the San Andreas fault scenario governs.

F4.0 RECOMMENDED SPECTRA

The MCE_R as defined in ASCE 7-22 is the lesser of the maximum direction PSHA spectrum having a two percent probability of exceedance in 50 years (2,475-year return period) or the maximum direction 84th percentile deterministic spectrum of the governing earthquake scenario and the DE spectrum is defined as 2/3 times the MCE_R spectrum. In addition, the MCE_R spectrum is defined as a Risk-Targeted response spectrum, which corresponds to a targeted collapse probability of one percent in 50 years. The USGS Risk-Targeted Ground Motion calculator was used to determine the risk coefficients for each period of interest for the probabilistic spectrum. We used these risk coefficients to develop the risk-targeted PSHA spectrum.

Furthermore, we followed the procedures outlined in Chapter 21 of ASCE 7-22 to develop the site-specific spectra for MCE_R and DE. Table B-2 presents digitized values of the site-specific spectra for the Risk-Targeted PSHA 2,475-year return period in the maximum direction and the envelope of the 84th percentile deterministic in the maximum direction. Chapter 21 of ASCE 7-22 requires the deterministic spectrum not fall below the deterministic lower limit spectrum presented in Table 21.2-1 of ASCE 7-22.

Figure B-6 and Table B-2 present a comparison of the site-specific spectra for the Risk-Targeted 2,475-year return period PSHA and the 84th percentile deterministic spectra, both in the maximum direction and the deterministic lower limit.

As shown on Figure B-6 and in Table B-2, the deterministic lower limit is greater than the envelope of the two scenarios earthquakes and therefore the deterministic lower limit should be used as the 84th percentile deterministic spectrum. In addition, the risk-targeted PSHA spectrum for a 2 percent probability of exceedance in 50 years (2,475-year return period) is less than deterministic lower limit spectrum for all periods. Therefore, the basis for the development of the MCE_R spectrum should be the risk-targeted PSHA spectrum (for a 2 percent probability of

exceedance in 50 years, corresponding to a 2,475-year return period) for all periods. The MCE_R spectrum should not be less than 80 percent of the mapped MCE_R spectral values for the applicable site class (per Section 21.2.3 of ASCE 7-22). As shown on Figure B-6 and in Table B-2, the initial MCE_R spectrum is greater than 80 percent of the mapped MCE_R spectral values for all periods up to 5 seconds. The DE spectrum is defined as 2/3 times the MCE_R.

TABLE B-2
Comparison of Site-specific and Code Spectra for Development of MCE_R Spectrum per ASCE 7-22
Sa (g) for 5 percent damping

Period (sec.)	Risk-Targeted PSHA – 2,475-Year Return Period Max. Dir.	Deter-ministic 84th Percentile Max. Dir.	ASCE 7-22 Deter-ministic Lower Limit, Site Class CD	Lesser of PSHA and Deter-ministic (Initial MCE_R)	ASCE 7-22 - 80% MCE_R per Section 21.2.3, Site Class CD	Recommended Spectra	
						MCE_R	DE
0.01	0.449	0.216	0.75	0.449	0.328	0.449	0.299
0.10	0.875	0.371	1.24	0.875	0.624	0.875	0.584
0.20	1.102	0.494	1.66	1.102	0.800	1.102	0.735
0.30	1.071	0.537	1.83	1.071	0.792	1.071	0.714
0.40	0.966	0.516	1.82	0.966	0.720	0.966	0.644
0.50	0.875	0.478	1.73	0.875	0.656	0.875	0.583
0.75	0.650	0.374	1.41	0.650	0.496	0.650	0.434
1.00	0.493	0.291	1.17	0.493	0.384	0.493	0.328
1.50	0.319	0.208	0.84	0.319	0.256	0.319	0.213
2.00	0.230	0.159	0.64	0.230	0.184	0.230	0.153
3.00	0.145	0.113	0.45	0.145	0.120	0.145	0.096
4.00	0.103	0.086	0.34	0.103	0.088	0.103	0.069
5.00	0.078	0.066	0.26	0.078	0.070	0.078	0.052

The recommended MCE_R and DE spectra are presented in Table B-3 and on Figure B-7.

TABLE B-3
Recommended MCE_R and DE Spectra
Sa (g) for 5 percent damping

Period (seconds)	MCE_R	DE
0.01	0.449	0.299
0.10	0.875	0.584
0.20	1.102	0.735
0.30	1.071	0.714
0.40	0.966	0.644
0.50	0.875	0.583
0.75	0.650	0.434
1.00	0.493	0.328
1.50	0.319	0.213
2.00	0.230	0.153
3.00	0.145	0.096
4.00	0.103	0.069
5.00	0.078	0.052

Because site-specific procedure was used to determine the recommended response spectra, the corresponding values of S_{MS}, S_{M1}, S_{DS} and S_{D1} per Section 21.4 of ASCE 7-22 should be used as shown in Table B-4.

TABLE B-4
Design Spectral Acceleration Value

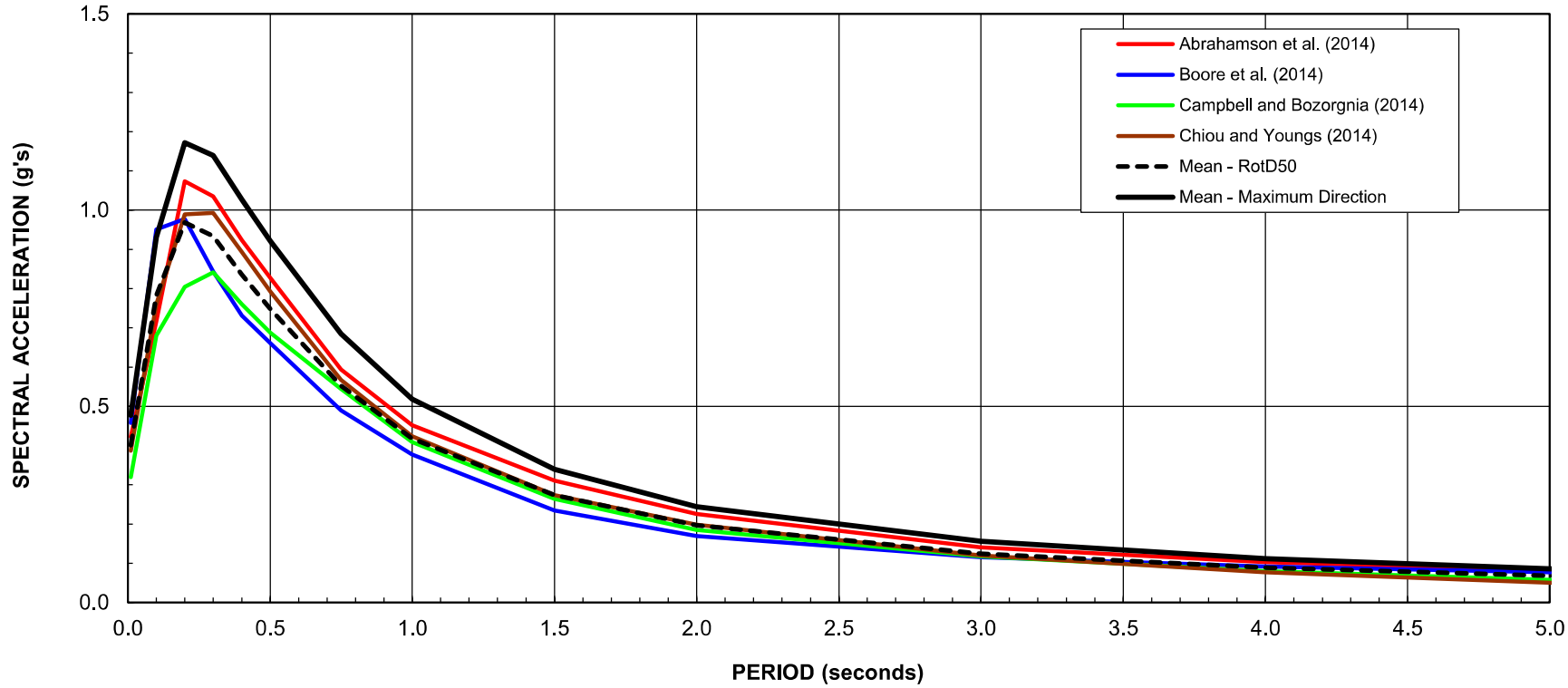
Parameter	Spectral Acceleration Value (g's)
S_{MS}[B2]	0.992
S_{M1}[B3]	0.493
S_{DS}[B2]	0.661
S_{D1}[B3]	0.328

Notes:

B2. S_{DS} is based on the site-specific response spectra and is based on 90 percent of the maximum spectral acceleration within the period range of 0.2 to 5 seconds; it is governed by 90 percent of the spectral acceleration at a period of 0.2 seconds. S_{MS} is 1.5 times the S_{DS}.

B3. S_{D1} is based on the site-specific response spectra and is based on either (1) 90 percent of the maximum of the product of period, T, and spectral acceleration, Sa, for periods from 1.0 to 5.0 seconds or (2) 100 percent of the value of Sa at a period of 1.0 second, whichever is greater; it is governed by the value of Sa at a period of 1.0 second. S_{M1} is 1.5 times the S_{D1}.

Attachments: Figures B-1 through B-7



Notes

1. Damping Ratio = 5%
2. Measured V_{S30} = 346 m/s
3. Maximum direction factors from Shahi and Baker (2014)
4. Z_1 = 417 m, $Z_{2.5}$ = 2.02 km

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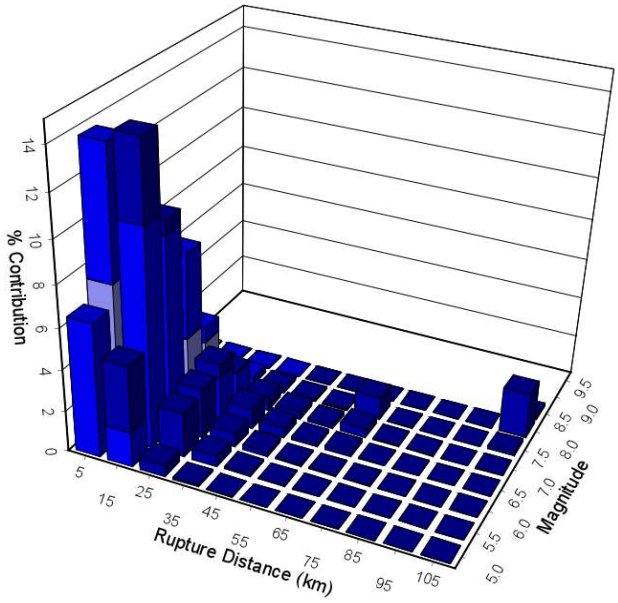
135 Main Street, Suite 1500

San Francisco, California 94105

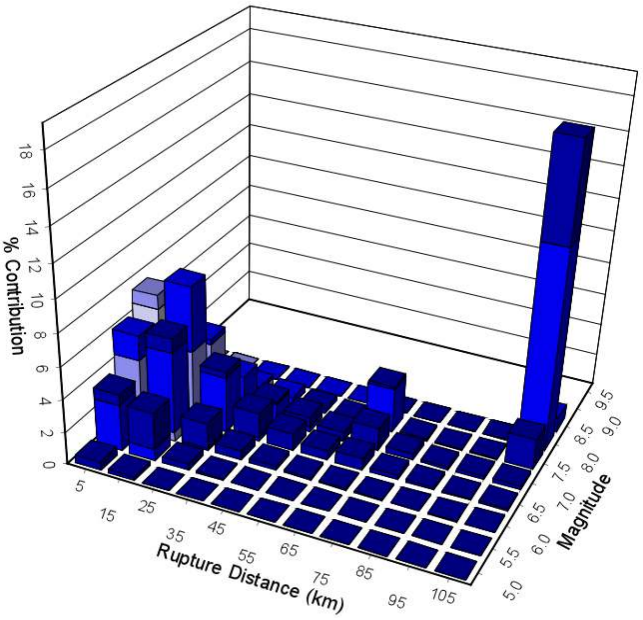
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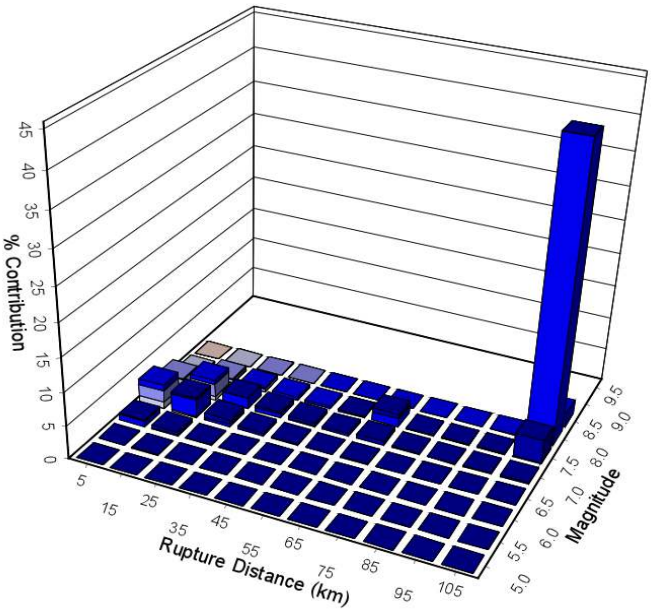
Project	Figure Title	Project No.	Figure No.
NEW FRESNO COURTHOUSE FRESNO FRESNO COUNTY CALIFORNIA	**RESULTS OF PSHA, 2 PERCENT PROBABILITY OF EXCEEDANCE IN 50 YEARS**	731816301 Date 1/19/2026 Scale AS SHOWN Prepared By: JCR	**B-1**



(a) PGA



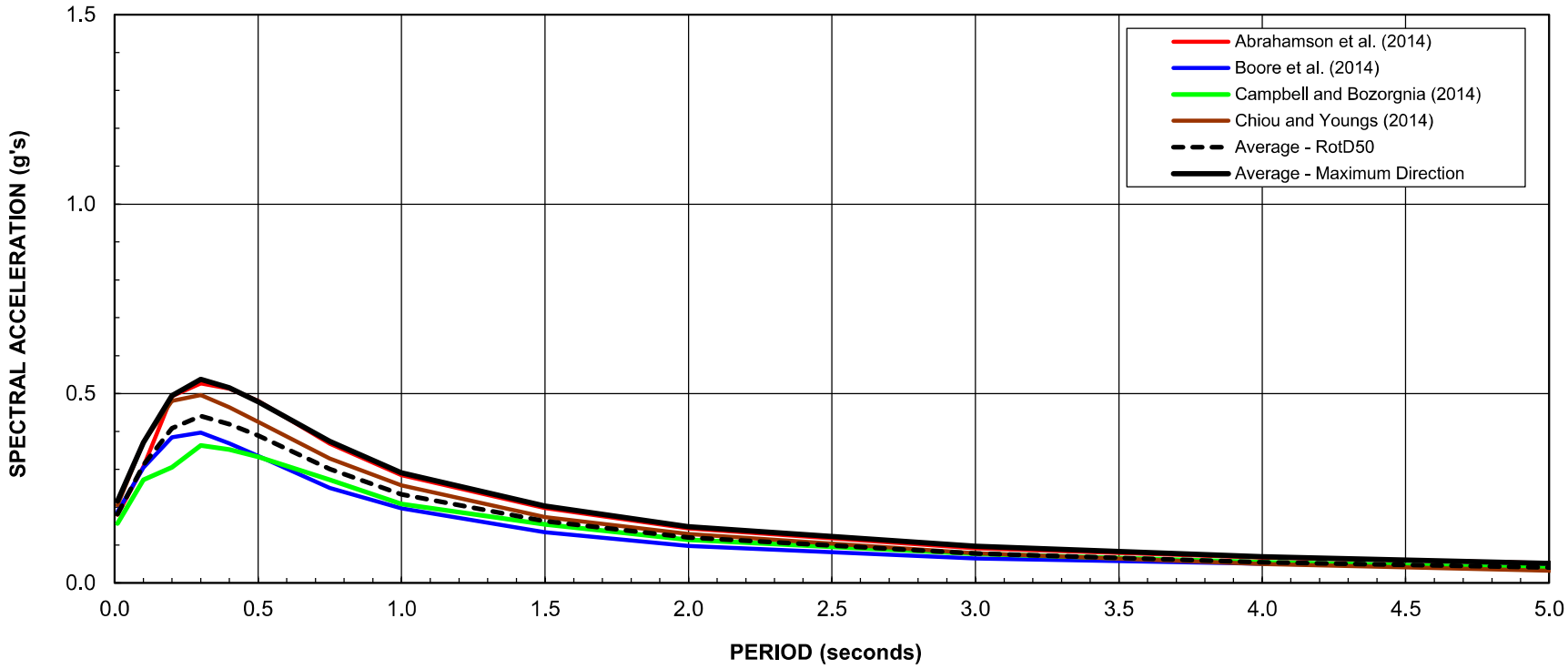
(b) S_a, T = 1.0 second



(c) S_a, T = 4.0 second

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San Francisco, California 94105
T: 415.955.5200 F: 415.955.5201 www.langan.com
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Project	Figure Title	Project No.	Figure No.
NEW FRESNO COURTHOUSE FRESNO FRESNO COUNTY CALIFORNIA	**2% PROBABILITY OF EXCEEDANCE IN 50 YEARS - MAGNITUDE DISTANCE DEAGGREGATION PLOTS**	731816301 Date 1/19/2026 Scale AS SHOWN Prepared By: JCR	**B-2**



Notes

1. Damping Ratio = 5%
2. Measured V_{S30} = 346 m/s
3. Maximum direction factors from Shahi and Baker (2014)
4. Deterministic results are for a Moment Magnitude 7.6 occuring on the Great Valley 11 fault about 65.8 km from the site

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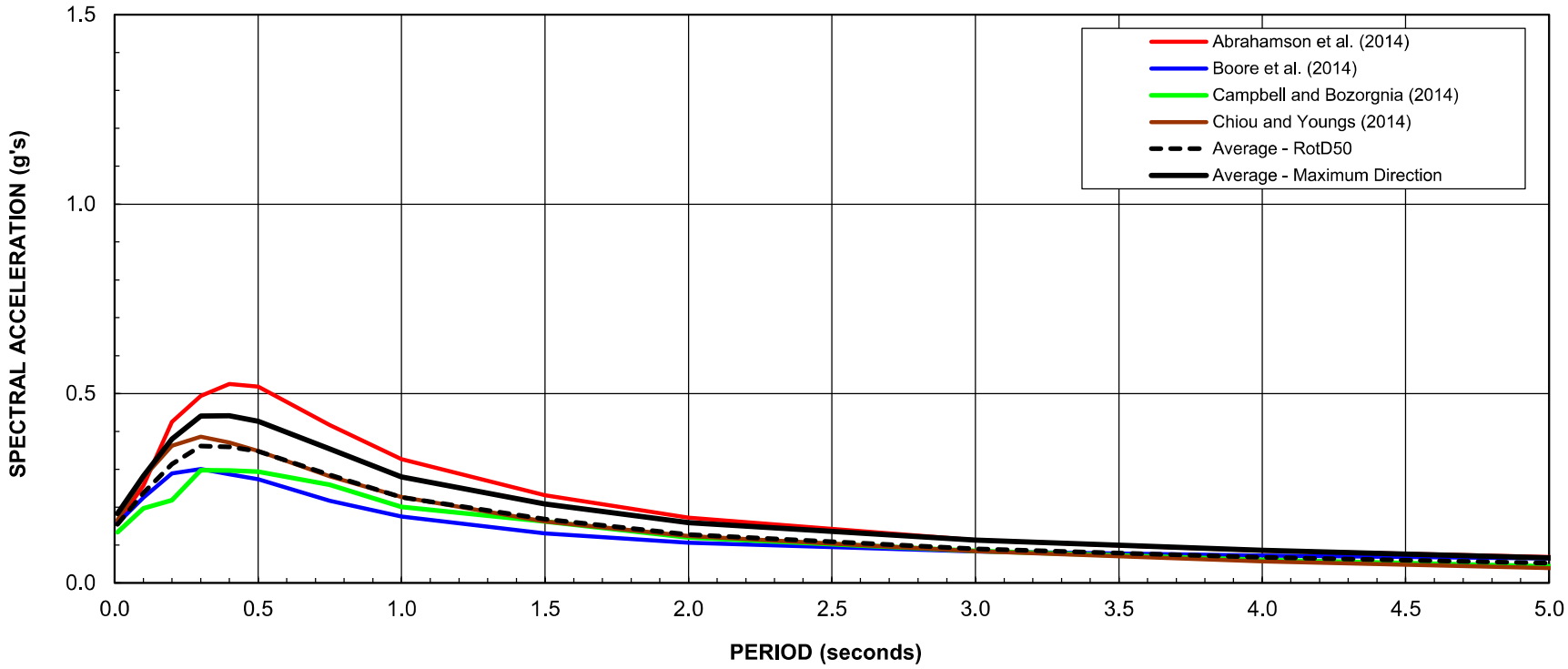
135 Main Street, Suite 1500

San Francisco, California 94105

T: 415.955.5200 F: 415.955.5201 www.langan.com

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Project	Figure Title	Project No.	Figure No.
NEW FRESNO COURTHOUSE FRESNO FRESNO COUNTY CALIFORNIA	**RESULTS OF DETERMINISTIC ANALYSIS - 84th PERCENTILE SPECTRA - GREAT VALLEY**	731816301 Date 1/19/2026 Scale AS SHOWN Prepared By: JCR	**B-3**



Notes

1. Damping Ratio = 5%
2. Measured V_{S30} = 346 m/s
3. Maximum direction factors from Shahi and Baker (2014)
4. Deterministic results are for a Moment Magnitude 8.1 occuring on the San Andreas fault about 106 km from the site

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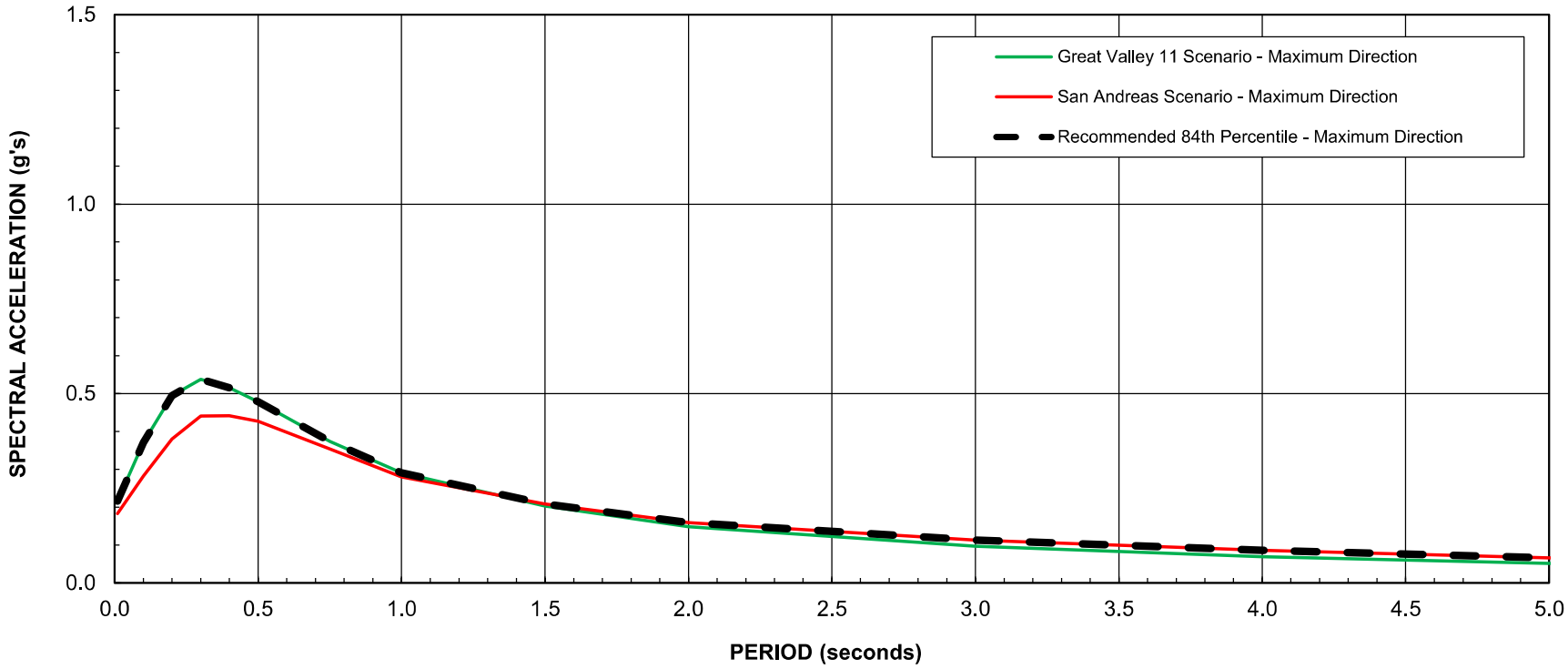
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San Francisco, California 94105

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Project	Figure Title	Project No.	Figure No.
NEW FRESNO COURTHOUSE FRESNO FRESNO COUNTY CALIFORNIA	**RESULTS OF DETERMINISTIC ANALYSIS - 84th PERCENTILE SPECTRA - SAN ANDREAS**	731816301 Date 1/19/2026 Scale AS SHOWN Prepared By: JCR	**B-4**



Notes

1. Damping Ratio = 5%
2. Measured V_{S30} = 346 m/s
3. Maximum direction factors from Shahi and Baker (2014)

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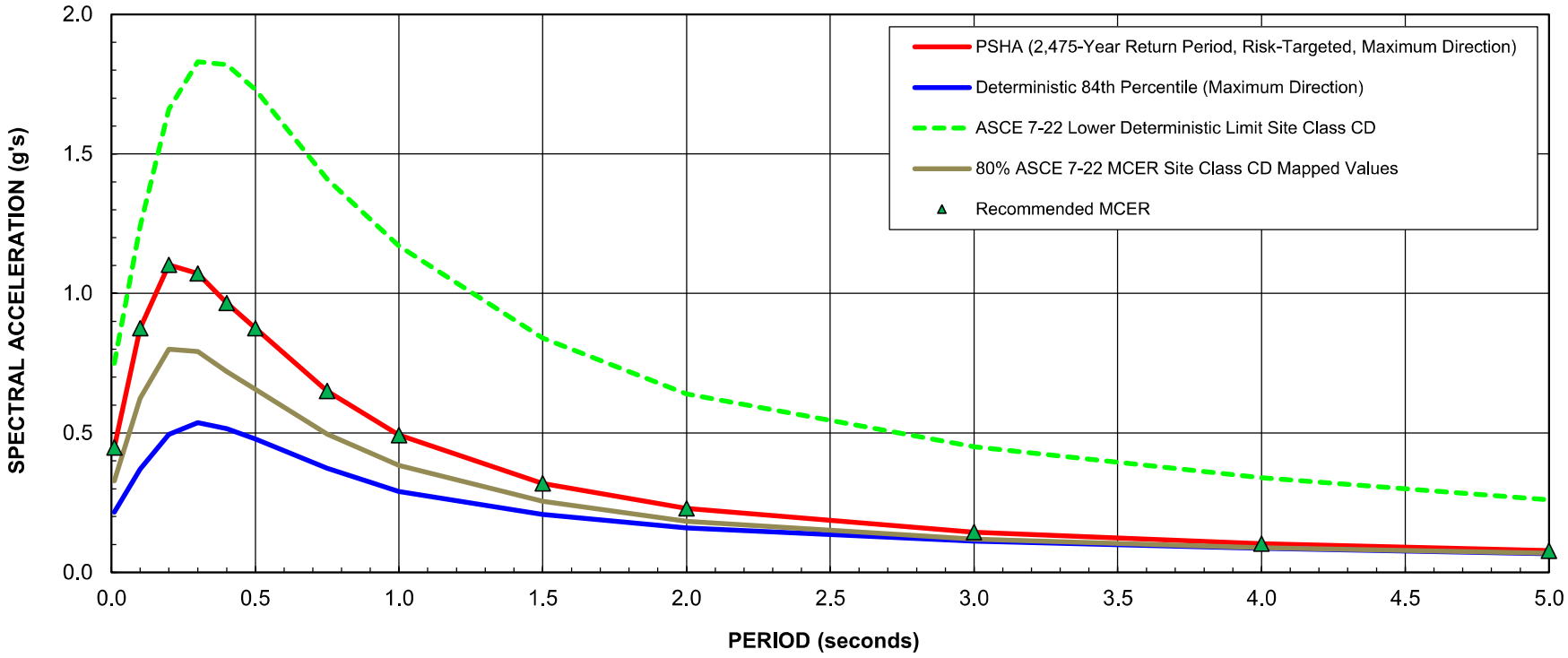
135 Main Street, Suite 1500

San Francisco, California 94105

T: 415.955.5200 F: 415.955.5201 www.langan.com

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Project	NEW FRESNO COURTHOUSE FRESNO FRESNO COUNTY CALIFORNIA
Figure Title	COMPARISON OF 84th PERCENTILE DETERMINISTIC ANALYSIS
Project No.	731816301
Date	1/19/2026
Scale	AS SHOWN
Prepared By:	JCR
Figure No.	B-5

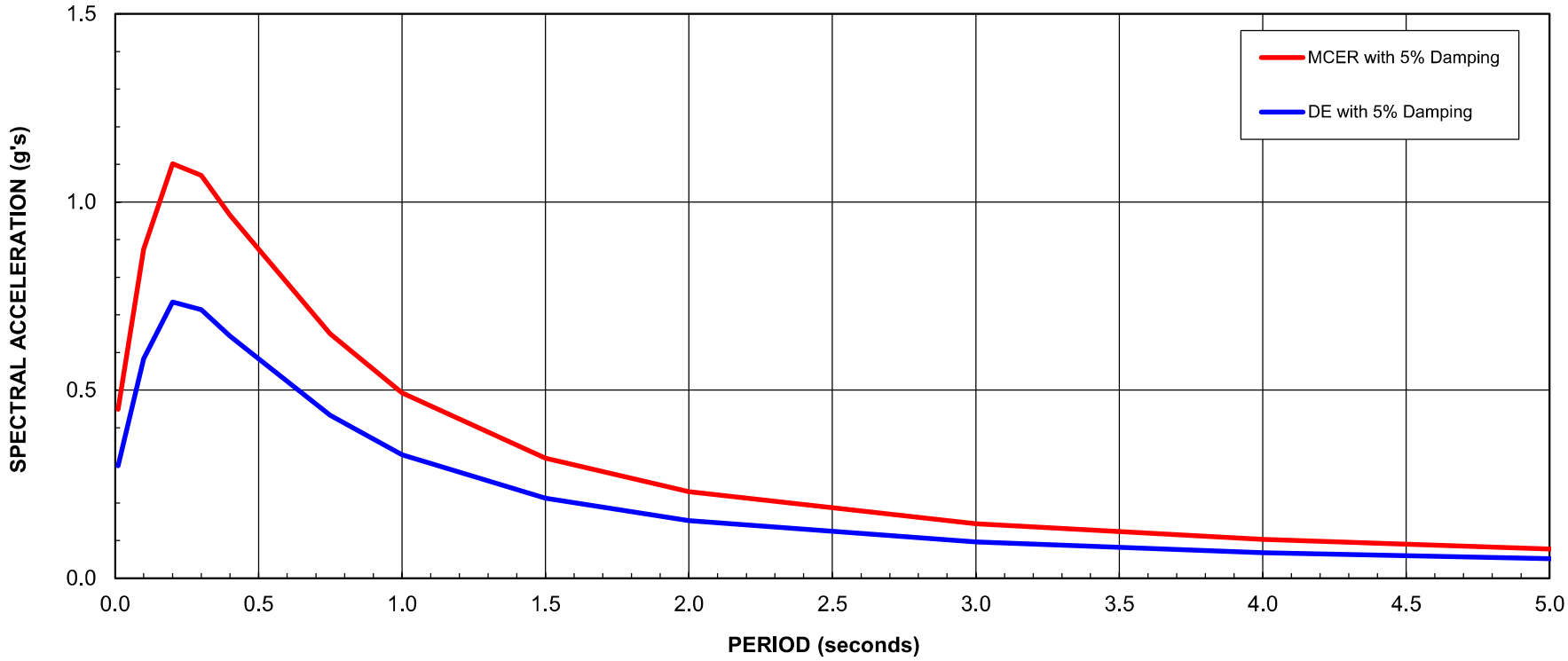


Notes

1. Damping Ratio = 5%
2. Measured V_{S30} = 346 m/s
3. Maximum direction factors from Shahi and Baker (2014)
4. Deterministic results are an envelope for a Moment Magnitude 7.6 occuring on the Great Valley 11 fault about 65.8 km from the site and 8.1 occurring on the San Andreas fault a and a Moment Magnitude 8.1 occurring on the San Andreas fault about 105.6 km from the site.

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Project	Figure Title	Project No.	Figure No.
NEW FRESNO COURTHOUSE FRESNO FRESNO COUNTY CALIFORNIA	COMPARISON OF PROBABILISTIC, DETERMINISTIC AND DETERMINISTIC LOWER LIMIT SPECTRA	731816301 Date 1/19/2026 Scale AS SHOWN Prepared By: JCR	B-6



Notes

1. Damping Ratio = 5%
2. Measured V_{S30} = 346 m/s

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Project	Figure Title	Project No.	Figure No.
NEW FRESNO COURTHOUSE FRESNO FRESNO COUNTY CALIFORNIA	**RECOMMENDED HORIZONTAL SPECTRA**	731816301 Date 1/19/2026 Scale AS SHOWN Prepared By: JCR	**B-7**

Appendix K New Fresno Courthouse - Traffic Memo

Stantec

Memo

To:	Judicial Council of California Sacramento, CA	From:	Stantec Consulting Services Inc.
Project/File:	185806843	Date:	April 1, 2026

Reference: New Fresno Courthouse - Traffic Memo

1. Introduction

This memorandum provides a comprehensive summary of transportation conditions, circulation characteristics, multimodal access, trip generation, and CEQA transportation impacts associated with the Project site. It integrates detailed findings from the Fehr & Peers Traffic Memorandum dated August 3, 2023, and Stantec's updated information for preparation of the Environmental Impact Report (EIR). The purpose of this document is to consolidate transportation-related technical data into a single, CEQA-compatible memorandum suitable for direct inclusion in the EIR.

The Project site is located within Courthouse Park in Downtown Fresno, southwest of the Fresno Street and M Street intersection. The site currently contains Fresno County Sheriff's Office buildings and the South Annex Jail, both of which would be demolished. The new courthouse would consolidate judicial operations into a modern facility adjacent to existing public transit services, regional highway access, and supporting government facilities.

2. Project Description - Transportation-Related Components

2.1 Regional Access

The Project site is centrally located with strong regional connectivity. Access is provided via:

- State Route (SR) 41 – a major north–south freeway connecting Downtown Fresno to the Sierra foothills and SR-1 on the Central Coast.
- SR-99 – the region's primary north–south freight and commuter corridor.
- SR-180 – an east–west freeway linking the project area with western Fresno County and the Sierra Nevada range.

All three freeways provide access within approximately 0.6 to 1 mile of the Project site. These connections provide efficient travel corridors for employees, jurors, law enforcement personnel, and the transport of in-custody individuals.

2.2 Local Roadway Access

Local circulation around the Project site includes:

- Fresno Street – a four-lane collector providing east–west access with direct connections to SR-99.
- M Street – a collector with two southbound lanes and on-street parking.
- Tulare Street – an east–west collector with multimodal access potential.
- Van Ness Avenue – a key Downtown corridor with pedestrian-oriented design and planned bicycle improvements.

Signalized intersections support multimodal circulation, including pedestrian crosswalks and ADA-compliant pathways.

2.3 Secured Parking, Sallyport, and Tunnel Connection

The courthouse design includes:

- 47 secured parking stalls (41 judicial, 2 executive, 4 law enforcement).
- A secure vehicular entry via a new M Street driveway.
- A redesigned underground parking entrance to meet visibility, turning radius, and security constraints.
- A dedicated Sallyport connected to the in-custody holding area.
- A direct vehicular connection to the existing County Jail tunnel network for secure inmate transfer.

This arrangement minimizes surface-level detention vehicle activity, improving safety for pedestrians and minimizing conflicts with public circulation.

2.4 Public Parking

Jurors and visitors will continue using existing public parking:

- Garage #8 (adjacent, with tunnel access)
- Garage #9 (213 stalls)
- Garage #4 (313 stalls)
- Water Tower / Federal Lot (90 stalls)
- 140+ metered spaces throughout the Downtown street grid

Parking availability is not expected to diminish because the project consolidates existing courthouse operations rather than introducing new demand.

3. Active Transportation Facilities

3.1 Pedestrian Environment

The Project site is located within one of the most pedestrian-accessible environments in Fresno. Key features include:

- Continuous sidewalks on all bounding streets
- Signalized intersections with pedestrian push buttons and marked crossings
- Raised medians aiding mid-block pedestrian refuges
- ADA-compliant curb ramps installed throughout the area
- Courthouse Park pedestrian network with 6–16 ft pathways
- Mid-block signalized pedestrian crossings along major park frontages
- An underground pedestrian tunnel approximately 400 ft from the Project site connecting Garage #8 to Courthouse Park

These pedestrian facilities support foot traffic associated with courthouse activity, including jurors, visitors, law enforcement personnel, and County employees.

3.2 Bicycle Facilities

Existing bicycle facilities include:

- A Class II (striped) bicycle lane on southbound M Street

Planned improvements per the City of Fresno Active Transportation Plan include:

- A northbound Class II bicycle lane on M Street
- Class II bicycle lanes on Van Ness Avenue north of Fresno Street
- A Class III bicycle route between Fresno Street and Tulare Street
- A Class IV (separated) bikeway along Tulare Street

These improvements will increase multimodal connectivity for employees and visitors who may choose to bicycle.

4. Transit Facilities

The Project site has ample transit access due to its proximity to the Downtown Transit Mall, which serves as a major regional transit hub.

4.1 Fresno Area Express (FAX)

The following key FAX routes serve Courthouse Park:

- Routes 1, 22, 26, 28, 30, 32, 34, and 38

Bus Shelter L on Fresno Street is located directly adjacent to the proposed courthouse entrance. Headways range from 15 minutes to 2 hours depending on route and time of day.

4.2 Regional Transit

The Fresno County Rural Transit Agency (FCRTA) also serves the area, providing regional intercity service for jurors and visitors arriving from rural communities.

4.3 Transit Facilities Affected by the Project

Pending Project design, some bus shelters may need to be temporarily relocated during construction or permanently adjusted to accommodate:

- Building footprint
- Sight-line and pedestrian flow requirements
- Driveway configuration on M Street

Coordination with the City and transit agencies will ensure continuity of service.

5. Trip Generation

5.1 Methodology

The Institute of Transportation Engineers (ITE) *Trip Generation Manual* does not have specific trip generation rates for courthouse buildings. Therefore, vehicle trip generation estimates were developed for the Project using counts collected at the Gordon D. Schaber Courthouse in Sacramento (*Revised Supplemental Transportation Analysis for the Judicial Council of California (JCC) Courthouse Project at Lot 41 – Railyards in Sacramento, CA, Fehr & Peers, January 2018)*. Trip rates per court staff (as independent variable) were calculated by dividing the total number of people entering and exiting the courthouse by the total number of staff. A survey conducted to determine the travel mode choice indicated that 85 percent arrive by personal vehicle, with the remaining 15 percent using alternate travel modes. Given that the

Sacramento courthouse in a downtown area in close proximity to the freeway system, the trip characteristics are expected to be similar to the Project.

5.2 Project Trip Estimates

The new courthouse with 404 staff is projected to generate:

- 5,212 average daily vehicle trips (ADT)
- 982 AM peak-hour trips
- 339 PM peak-hour trips

5.3 Interpretation

These trips reflect activity already occurring in the immediate vicinity because the project consolidates:

- Fresno County Courthouse
- North Annex Jail courtrooms
- M Street Courthouse

Thus, no substantial increase in net new vehicle trips is anticipated.

6. CEQA Transportation Analysis

CEQA Appendix G provides four questions for the Judicial Council's analysis of potentially significant transportation impacts. Would the project:

(a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?
(b) Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?
(c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?
(d) Result in inadequate emergency access?

6.1 Conflict with Transportation Plans or Policies

The project:

- Does not alter roadway classifications
- Supports multimodal travel
- Is located in one of the most transit-rich locations in Fresno
- Provides ADA-compliant pedestrian access
- Is consistent with Fresno COG, Fresno General Plan, and RTP/SCS mobility goals
- Secured parking for executive staff and judges is proposed in the Project site basement. Driveway access to this underground parking lot is proposed along M Street between the driveway exit for the existing Sheriff's Office/North Annex Jail parking stalls along Fresno Street and the existing entrance ramp for the underground employee parking lot. The proposed underground parking driveway on M Street would require a redesign of the existing underground parking garage entrance to ensure safety and visibility requirements are satisfied.

6.2 Vehicle Miles Traveled (VMT)

The project meets three City of Fresno VMT screening criteria:

1. Located within 0.5 mile of a Transit Priority Area
2. Public facility
3. Located in a low-VMT area

CEQA Guidelines section 15064.3 provides that projects within one-half mile of either an existing major transit stop or a stop along an existing high quality transit corridor should be presumed to cause a less than significant transportation impact. The Project meets these conditions and is presumed to have a less than significant impact. A detailed VMT analysis is not required.

6.3 Hazards from Design Features

The Project site does not introduce new roadway hazards. The primary design consideration is:

- Secured parking for executive staff and judges is proposed in the Project site basement. Driveway access to this underground parking lot is proposed along M Street between the driveway exit for the existing Sheriff's Office/North Annex Jail parking stalls along Fresno Street and the existing entrance ramp for the underground employee parking lot. The proposed underground parking driveway on M Street would require a redesign of the existing underground parking garage entrance to ensure safety and visibility requirements are satisfied.
- Developing a Transportation Management Plan (TMP) to address temporary construction-phase circulation issues.

6.4 Emergency Access

All emergency vehicle circulation will remain functional. Fire Department review will ensure compliance with:

- Turn-around requirements
- Clear path of travel
- Water supply and fire protection standards

7. Summary of Findings

- The Project site is highly accessible across all transportation modes.
- Project trip generation reflects relocated—not new—activity.
- VMT impacts are screened and determined to be less than significant.
- Pedestrian and transit access is superior compared to alternative sites.
- Construction impacts will be managed through TMP implementation.

8. Conclusion

The Project does not conflict with transportation plans or policies, would not increase VMT or increase net vehicle trips, does not have design features which could create new hazards or incompatible uses, and would maintain existing adequate emergency access. Therefore, the Project would not have a significant effect.

Transportation Report

August 03, 2023 Pre-Final Draft



Prepared by
FEHR & PEERS
343 East Main Street
Suite 608
Stockton, CA 95202

August 2023

Memorandum

JCC Fresno Courthouse – Summary of Transportation Findings

Prepared for:
Judicial Council of California
HOK Architects

FEHR PEERS

Memorandum

Date: August 3, 2023

To: Raquel Bito, HOK Architects

From: Ian Barnes, PE, and Kayla Gonzalez, Fehr & Peers

Subject: JCC Fresno Courthouse – Summary of Transportation Findings

WC23-3999.00

HOK Architects is evaluating options to design the new Fresno City Courthouse in the city of Fresno, California. Fehr & Peers is supporting HOK by providing a preliminary comparison analysis of potential transportation trade-offs among the proposed alternatives and preliminary site plans. The primary metrics of consideration include accessibility for pedestrian, bicycle, transit, and private vehicle travel, and parking supply.

Background

The new Fresno Courthouse Project (Project) includes the design and construction of a new courthouse (approximately 413,000 square-feet in size) in the City of Fresno. The Project program includes 36 courtrooms, chambers, and administrative areas in support of criminal, civil, juvenile, drug, behavioral health, and general trial cases. Major functional components include central holding, jury assembly, and a loading dock.

The Judicial Council of California is currently evaluating four potential sites for the new courthouse as shown on **Figure 1** (all figures are provided at the end of this memorandum):

- **Site 1A** – Courthouse Park (along Fresno Street)
- **Site 1B** – Courthouse Park (along Van Ness Avenue)
- **Site 3** – Eaton Plaza
- **Site 4 –** M Street

It is important to note that the proposed site plans for each option are preliminary in nature. Our transportation findings provide an overview of key considerations, and do not encompass all potential transportation impacts. Once a site is selected, a more thorough transportation analysis should be performed.

This memorandum is primarily structured by project alternative, then by mode of travel. Special attention is paid to topics featuring the most divergence among alternatives.

Site 1A: Courthouse Park

Site 1A is located within Courthouse Park along Fresno Street, as shown on **Figure 2A**. It proposes the removal of the existing Fresno County Sheriff's Office and the South Annex Jail.

Pedestrian Accessibility

Located within Courthouse Park, the site contains various paths and walkways that measure 6–16 feet wide. The pathways travel within the park and around the outer edges of the site. This allows easy access to the existing buildings that will remain on-site, and to the surrounding network of pedestrian facilities to buildings off-site. Site 1A is located 50 feet from the Fresno County Superior Court and 500 feet from the Fresno County Jail.

An underground pedestrian tunnel also provides access to Site 1A. The underground pedestrian tunnel is located at the edge of Courthouse Park between bus shelters A and B, under Van Ness Avenue, about 500 feet south from the Van Ness Avenue/Fresno Street intersection. This connection allows pedestrians to cross underneath Van Ness Avenue and access an underground parking garage, or emerge above ground at Mariposa Street. Site 1A is roughly 400 feet away from the entrance of the pedestrian tunnel.

Many intersections near the site offer ADA accessible provisions, including curb ramps and truncated domes that afford physical warnings to people with visual disabilities. Signalized intersections near the site also have accessible pedestrian signal (APS) push buttons, such as the Van Ness Avenue/Fresno Street and L Street/Fresno Street intersections.

Pedestrian access into the courthouse is proposed along the west side of the building along Courthouse Park, adjacent to Bus Shelter L.

Bicycle Accessibility

There are currently no dedicated bicycle facilities in the surrounding area except for a Class II bike lane along M Street in the southbound direction. Due to the lack of bicycle facilities, bicyclists utilize the existing pedestrian pathways in and around the park for travel.

However, per the City of Fresno *Active Transportation Plan* (December 2016), the City plans to build a Class II bicycle facility along the northbound side of M street and along both sides of Van Ness Avenue north of Fresno Street. Planned facilities also include a Class III bike route along Van Ness Avenue between Fresno Street and Tulare Street, and a Class IV separated bikeway along Tulare Street. The existing and planned bicycle facilities for the City of Fresno are shown on **Figure 3**.

Bicycle accessibility will be improved with these planned facilities. We recommend providing secure bicycle parking on-site to encourage this mode of travel.

Transit Accessibility

Site 1A is accessible via transit and located no more than 100 feet from Bus Shelter L on Fresno Street. Site 1A has direct access to Routes 22, 26, 32, 34, and 38, as shown on **Figure 4**. All routes provide service with one- to two-hour headways. Existing transit service would be maintained after construction of Site 1A, if selected.

However, some of the physical shelters at Bus Shelter L are located within Site 1A's property line; therefore, relocation of these shelters would be necessary with the selection of Site 1A.

Vehicle Access and Circulation

Local vehicular access to Site 1A is provided via Fresno Street, M Street, Tulare Street, and Van Ness Avenue. Regional access to the site is provided via State Route 41 (SR 41), State Route 99 (SR 99) and State Route 180 (SR 180). SR 41 access is provided via interchanges along M Street and Van Ness Avenue, about 3,600 feet away from Site 1A. SR 99 access is provided via interchanges along Fresno Street, about 3,500 feet away from Site 1A. SR 180 access is provided via interchanges along Van Ness Avenue and Fulton Street, about 5,000 feet away from Site 1A.

Public Parking

Visitors to Site 1A would utilize available off-site and public parking in the surrounding area owned by the City of Fresno, as shown on **Figure 5**. Garage #8 is the closest parking structure to Site 1A. Garage #8 is located at 1077 Van Ness Avenue at the corner of Van Ness Avenue/Tulare Avenue. This garage supports the Fresno County Courthouse and businesses along Van Ness Avenue and Fulton Mall. The entrance to the garage is located on Tulare Avenue just east of Van Ness Avenue on the north side of the street. The exit is located at the north end of the garage off of Fresno Street. This garage features 968 parking stalls. Visitors can walk to Site 1A by exiting the garage through the underground pedestrian tunnel and entering Courthouse Park.

The next closest parking structures are as follows:

- Garage #9 is located at 2020 Merced Street with 213 parking stalls. It is about 850 feet away from Site 1A.
- Garage #4 is located at 1919 Tulare Street with 313 parking stalls. It is about 1,650 feet away from Site 1A.
- The Water Tower/Federal Lot is located on the 1100 block of O Street between Fresno Street and Mariposa Street with 90 parking spaces. It is about 1,200 feet away from Site 1A.

Aside from parking garages and lots, there are also several metered parking spaces surrounding the site. Approximately 140 metered parking spaces are located along Fresno Street, Van Ness Avenue north of Fresno Street, L Street north of Fresno Street, and M Street north of Fresno Street. These metered parking spaces time limits vary from 30-minute parking to 2-hour or 4-hour parking.

Secured Parking

Secured parking for staff and judges is proposed to be located in the basement. Due to its location and right-of-way boundaries, Site 1A is fundamentally limited on entry points for this secured parking. Courthouse Park is located along the west and south side of the proposed building; and Bus Shelter L and existing parking spaces are located on the north side of the proposed building, along Fresno Street.

Driveway access to the underground secured parking area is proposed along M Street, as shown on the ground level of **Figure 2A**. However, M Street also features the driveway exit for the existing parking stalls along Fresno Street, as well as the underground garage entrance for the restricted underground parking reserved for County Courthouse employees. This location is also very close to the Fresno Street/M Street signalized intersection. Placing the underground secured parking driveway on M Street would require a redesign of the existing underground parking garage entrance to ensure safety and visibility requirements are still met.

Figure 2A also depicts the underground secured parking area and Sallyport. Vehicles will enter the underground parking area by the ramp proposed along M Street. Parking stalls are proposed to the west of the ramp for judges and staff to park. The Sallyport is located southwest of the ramp for in-custody vehicles. In-custody vehicles are to pull forward into the Sallyport when entering, and they are to reverse out to the dedicated bus back-out zone before pulling forward again to exit on the ramp. Connection to the existing tunnel is proposed and allows for connection between the Fresno County Jail and the In-Custody Holding area.

Opportunities and Challenges

Table 1 presents the overall opportunities and challenges that come with Site 1A if it were to be selected by the Judicial Council of California for the location of the new courthouse.

Table 1: Site 1A Opportunities and Challenges

Category	Opportunities	Challenges
Pedestrian Accessibility	• Proximity to Fresno County Superior Court and County Jail • Walking distance to pedestrian tunnel	• Potential disruption of flow of travel in park with construction of courthouse on existing pathways

Table 1: Site 1A Opportunities and Challenges

Category	Opportunities	Challenges
Bicycle Accessibility	• Existing bike facility on M Street • Planned bicycle facilities will improve bicycle accessibility	• Proposed driveway access along M Street poses potential conflict points with bicyclists
Transit Accessibility	• Direct access to Bus Shelter L • Walking distance to Bus Shelters A, B and the Van Ness Station	• Bus shelters/stops along the park within the Project's property line will have to be relocated
Vehicle Access and Circulation	• All highways are within one mile	• Proposed driveway access along M Street poses design constraints with proximity to intersection and other existing garage entrance • Proper signage needed to ensure only authorized vehicles enter the secured parking area
Public Parking	• Proximity to various public parking garages and directly adjacent to Garage #8 • Walking distance to 140 metered parking spaces	• Public parking not provided on site
Secured Parking	• Dedicated back-out zone for in-custody vehicles • Connection to existing tunnel to Fresno County Jail	• In-custody vehicles and judges/staff vehicles enter/exit through same ramp • Safety concerns for vehicles entering/existing ramp

Source: Fehr & Peers, August 2023

Site 1B: Courthouse Park

Site 1B is also located within Courthouse Park but along Van Ness Avenue, as shown on **Figure 2B**. It proposes the removal of some existing green space and pathways within the park between the Fresno County Superior Court and Van Ness Avenue.

Pedestrian Accessibility

Like Site 1A, Site 1B contains various paths and walkways that measure 6–16 feet wide. The pathways travel within the park and around the outer edges of the site. This allows easy access to existing buildings that will remain on-site, and to the surrounding network of pedestrian facilities to buildings off-site. Site 1B is located 50 feet from the Fresno County Superior Court and 700 feet from the Fresno County Jail. However, the proposed placement of the building on this site will remove existing pedestrian pathways within the park between the Fresno County Superior

Court and Van Ness Avenue. Disrupted paths may need to be redesigned to continue the flow of pedestrian travel or removed entirely.

An underground pedestrian tunnel also provides access to Site 1B. The underground pedestrian tunnel is located at the edge of Courthouse Park between Bus Shelters A and B, under Van Ness Avenue, about 500 feet south from the Van Ness Avenue/Fresno Street intersection. This connection allows pedestrians to cross underneath Van Ness Avenue and access the underground parking garage or emerge above ground at Mariposa Street. Site 1B is about 50 feet away from the entrance of the pedestrian tunnel.

Many intersections near the site offer ADA accessible provisions, including curb ramps and truncated domes that afford physical warnings to people with visual disabilities. Signalized intersections near the site also have APS pedestrian push buttons, such as the Van Ness Avenue/Fresno Street intersection.

Pedestrian access into the courthouse is proposed along the south side of the building along Courthouse Park, adjacent to the pedestrian underground tunnel under Van Ness Avenue.

Bicycle Accessibility

There are currently no dedicated bicycle facilities in the surrounding area except for a Class II bike lane along M Street in the southbound direction. Due to the lack of bicycle facilities, bicyclists utilize the existing pedestrian pathways in and around the park for travel.

However, per the City of Fresno *Active Transportation Plan* (December 2016), the City plans to build a Class II bicycle facility along the northbound side of M street and along both sides of Van Ness Avenue north of Fresno Street. Planned facilities also include a Class III bike route along Van Ness Avenue between Fresno Street and Tulare Street, and a Class IV separated bikeway along Tulare Street. The existing and planned bicycle facilities for the City of Fresno are shown on **Figure 3**.

Bicycle accessibility will be improved with these planned facilities. We recommend providing secure bicycle parking on-site to encourage this mode of travel.

Transit Accessibility

Site 1B is accessible via transit and located no more than 50 to100 feet from Bus Shelters A and B on Van Ness Avenue. The Van Ness Station, located in the middle of Van Ness Avenue, is also about 100 feet away from Site 1B. Site 1B has direct access to Routes 1, 22, 26, 28, 32, and 34, as shown on **Figure 4**. All routes provide service with one- to two-hour headways. Existing transit service and Bus Shelters A and B and the Van Ness Station would be maintained after construction of Site 1B, if selected.

Bus Shelter L is located along the northern side of the site and the shelters will have to be relocated further east along Fresno Street due to the placement of the Project's driveway. Bus routes at this shelter must be maintained to avoid substantial adverse effects to transit.

Vehicle Access and Circulation

Local vehicular access to Site 1B is provided via Fresno Street, M Street, Tulare Street, and Van Ness Avenue. Regional access to the site is provided via State Route 41 (SR 41), State Route 99 (SR 99) and State Route 180 (SR 180). SR 41 access is provided via interchanges along M Street and Van Ness Avenue, about 3,600 feet away from Site 1B. SR 99 access is provided via interchanges along Fresno Street, about 3,500 feet away from Site 1B. SR 180 access is provided via interchanges along Van Ness Avenue and Fulton Street, about 5,000 feet away from Site 1B.

Public Parking

Visitors to Site 1B will utilize available off-site and public parking in the surrounding area owned by the City of Fresno, as shown on **Figure 5**. Like Site 1A, Garage #8 is the closest parking structure to Site 1B. Garage #8 is located at 1077 Van Ness Avenue at the corner of Van Ness Avenue/Tulare Avenue. This garage features 968 parking stalls. Visitors can walk to Site 1B by exiting the garage through the underground pedestrian tunnel and entering Courthouse Park.

The next closest parking structures are as follows:

- Garage #9 is located at 2020 Merced Street with 213 parking stalls. It is about 630 feet away from Site 1B.
- Garage #4 is located at 1919 Tulare Street with 313 parking stalls. It is about 1,250 feet away from Site 1B.
- The Water Tower/Federal Lot is located on the 1100 block of O Street between Fresno Street and Mariposa Street with 90 parking spaces. It is about 1,350 feet away from Site 1B.

Aside from parking garages and lots, there are also several metered parking spaces surrounding the site. Approximately 140 metered parking spaces are located along Fresno Street, Van Ness Avenue north of Fresno Street, L Street north of Fresno Street, and M Street north of Fresno Street. With the relocation of Bus Shelter L, the number of metered parking spaces within walking distance will decrease to 101. These metered parking spaces time limits vary from 30-minute parking to 2-hour or 4-hour parking.

Secured Parking

Secured parking for staff and judges is proposed to be located in the basement. Due to its location and right-of-way boundaries, Site 1B is fundamentally limited on entry points for this

secured parking. Site 1B is surrounded by Courthouse Park on the east and south sides, Bus Shelter A and Garage #8's exit ramp on the west side, and Bus Shelter L on the north side.

Driveway access to the underground secured parking area is proposed along Fresno Street, as shown on **Figure 2B**. With the driveway located here, Bus Shelter L would be required to relocate its shelters further east. With the relocation of the shelters in Bus Shelter L, design challenges will be met to ensure bus routes are not impacted and buses can still pull in and out of the shelter safely.

Figure 2B also depicts the underground secured parking area and Sallyport. Vehicles will enter the underground parking area by the ramp proposed along Fresno Street. Parking stalls are proposed to the east for judges and staff to park. The Sallyport is located south for in-custody vehicles. In-custody vehicles are to pull forward into the Sallyport when entering, and they are to reverse out before pulling forward again to exit on the ramp. Connection to the existing tunnel is proposed and allows for connection between the Fresno County Jail and the In-Custody Holding area.

Opportunities and Challenges

Table 2 presents the overall opportunities and challenges that come with Site 1B if it were to be selected by the Judicial Council of California for the location of the new courthouse.

Table 2: Site 1B Opportunities and Challenges

Category	Opportunities	Challenges
Pedestrian Accessibility	• Proximity to Fresno County Superior Court and County Jail • Adjacent to pedestrian tunnel	• Potential disruption of flow of travel in park with construction of courthouse on existing pathways
Bicycle Accessibility	• Planned bicycle facilities will improve bicycle accessibility	
Transit Accessibility	• Direct access to Bus Shelters A, B and the Van Ness Station • Adjacent to Bus Shelter L	• Proposed driveway access along Fresno Street requires Bus Shelter L to be redesigned/reconfigured • Potential impact to bus routes
Vehicle Access and Circulation	• All highways are within one mile	• Proper signage needed to ensure only authorized vehicles enter the secured parking area
Public Parking	• Proximity to various public parking garages and directly adjacent to Garage #8 • Walking distance to 140 metered parking spaces	• Public parking not provided on site

Table 2: Site 1B Opportunities and Challenges

Category	Opportunities	Challenges
Secured Parking	• Dedicated ramps separating judges/staff and in-custody vehicles • Space for in-custody vehicles to reverse out of Sallyport • Connection to existing tunnel to Fresno County Jail	• Proper signage needed on ramp for where in-custody vehicles and judges/staff vehicles meet when entering/exit secured area

Source: Fehr & Peers, August 2023

Site 3: Eaton Plaza

Site 3 is located at Eaton Plaza by the existing FAC Water Tower, across the Sisk Courthouse, as shown on **Figure 2C**. This option necessitates the removal of the existing City parking on this site.

Pedestrian Accessibility

Site 3 is surrounded by sidewalks that are 6–14 feet wide. All pedestrian crosswalks are marked at nearby intersections, with signalized intersections providing pedestrian push buttons and ADA accessible provisions, including curb ramps and truncated domes that afford physical warnings to people with visual disabilities. Site 3 is roughly 1,000 feet away from both the Fresno County Superior Court and the Fresno County Jail.

Pedestrian access into the courthouse is proposed along the west side of the building, adjacent to the Eaton Amphitheater Plaza.

Bicycle Accessibility

There are currently no dedicated bicycle facilities in the surrounding area except for a Class II bike lane along M Street in the southbound direction, and along P Street in the northbound direction. Due to the lack of bicycle facilities, bicyclists utilize the sidewalks around the site or ride on the streets for travel.

However, per the City of Fresno *Active Transportation Plan* (December 2016), the City plans to build a Class II bicycle facility along the northbound side of M Street. Planned facilities also include Class III bike routes along P Street and Class IV separated bikeways along Tulare Street. The existing and planned bicycle facilities for the City of Fresno are shown on **Figure 3**.

Bicyclists will still need to ride on the sidewalks or streets to get directly to Site 3, but bicycle connectivity will be improved with the implementation of these planned bicycle facilities. We recommend providing secure bicycle parking on-site to encourage this mode of travel.

Transit Accessibility

Site 3 is accessible via transit with the closest bus stop located about 200 feet north of the site along Fresno Street. Site 3 has direct access to Routes 1 and 32, as shown on **Figure 4**. Bus Shelter L is within walking distance of Site 3, about 1,000 feet west, and would give access to Routes 22, 26, 28, 34, and 38.

Vehicle Access and Circulation

Local vehicular access to Site 3 is provided via Fresno Street, O Street, Mariposa Street and N Street. Regional access to the site is provided via State Route 41 (SR 41), State Route 99 (SR 99) and State Route 180 (SR 180). SR 41 access is provided via interchanges along M Street and Van Ness Avenue, about 3,700 feet away from Site 3. SR 99 access is provided via interchanges along Fresno Street, about 4,500 feet away from Site 3. SR 180 access is provided via interchanges along Van Ness Avenue and Fulton Street, about 5,300 feet away from Site 3.

Public Parking

Visitors to this site will utilize available off-site and public parking in the surrounding area owned by the City of Fresno, as shown on **Figure 5**. Unfortunately, with the construction of the new courthouse on this site, the existing 90 parking spaces will be removed. This makes the North Lot at Fresno City Hall the closest parking lot to Site 3. The North Lot is located about 950 feet east of Site 3 at 2600 Fresno Street and provides 85 parking stalls.

The next closest parking structures are as follows:

- Garage #8 is located at 1077 Van Ness Avenue at the corner of Van Ness Avenue/Tulare Avenue with 968 parking stalls. It is about 1,350 feet away from Site 3.
- The Convention Center Garage is located on 707 O Street with 1,565 parking spaces. It is about 1,530 feet away from Site 3.
- The Promenade Lot is located on 2710 Tulare Street with 750 parking stalls. It is about 1,480 feet away from Site 3.

Aside from parking garages and lots, there are also several metered parking spaces surrounding the site along Fresno Street, O Street, N Street, and Mariposa Street. There are approximately 100 metered parking spaces around Site 3 in just the surrounding block alone. These metered parking spaces time limits vary from 30-minute parking to 2-hour parking.

However, with the proposed driveway access for in-custody vehicles, about 13 metered parking stalls will be removed, including one ADA parking space.

Secured Parking

The Sallyport for in-custody vehicles is located on the first basement level, while the secured parking for staff and judges is proposed to be in the second basement level. In custody-vehicles will enter Basement 1 on O Street and exit on N Street, as shown in **Figure 2C**. The judges will enter and exit through the existing driveway on O Street, just north of Mariposa Street. The proposed driveways would require the removal of existing metered parking spaces, including one ADA parking space.

Figure 2C also depicts the underground secured parking area and Sallyport. Judges and staff vehicles will enter the underground parking area through the dedicated ramp proposed along O Street and make their way to the second basement level where parking stalls are available. The Sallyport is located on the first basement level. In-custody vehicles are to pull forward into the Sallyport when entering from O Street, and then continue forward to exit onto N Street.

Opportunities and Challenges

Table 3 presents the overall opportunities and challenges that come with Site 3 if it were to be selected by the Judicial Council of California for the location of the new courthouse.

Table 3: Site 3 Opportunities and Challenges

Category	Opportunities	Challenges
Pedestrian Accessibility	• Adjacent to the Sisk Courthouse	• Furthest from the Fresno County Superior Court and County Jail
Bicycle Accessibility	• Planned bicycle facilities will improve bicycle accessibility	• No direct access to site, even with the planned bicycle facilities
Transit Accessibility	• Adjacent to Routes 1 and 32	• 1,000 feet away from Bus Shelter L
Vehicle Access and Circulation	• All highways are within one mile	• Proper signage needed to ensure only authorized vehicles enter the secured parking area
Public Parking	• Proximity to various public parking garages • 100 metered parking spaces in surrounding block	• Site located on an existing public parking lot; approximately 90 parking stalls will be removed • Proposed driveways will remove about 13 parking stalls, including one ADA stall • Public parking not provided on site
Secured Parking	• Dedicated ramps separating judges/staff and in-custody vehicles • Entering/exiting Sallyport made easy for in-custody vehicles	• No connection to existing tunnel to Fresno County Jail

Source: Fehr & Peers, August 2023

Site 4: M Street

Site 4 is located along M Street, across from the Fresno County Jail, as shown on **Figure 2D**. This option proposes the removal of the existing Fresno Chamber of Commerce and commercial buildings.

Pedestrian Accessibility

Site 4 is surrounded by sidewalks that are 6–14 feet wide. All pedestrian crosswalks are marked at nearby intersections, with signalized intersections providing pedestrian push buttons and ADA accessible provisions, including curb ramps and truncated domes that afford physical warnings to people with visual disabilities. Site 4 is about 800 feet away from the Fresno County Superior Court and 80 feet away from the Fresno County Jail.

Pedestrian access into the courthouse is proposed along the south side of the building along Fresno Street.

Bicycle Accessibility

The only dedicated bicycle facilities in the surrounding area are Class II bike lanes along M Street in the southbound direction and Tuolumne Street in the eastbound direction. Due to the lack of bicycle facilities, bicyclists utilize the sidewalks around the site or ride on the streets if not already traveling southbound on M Street.

However, per the City of Fresno *Active Transportation Plan* (December 2016), the City plans to build a Class II bicycle facility along the northbound side of M street, and along both sides of Merced Street. The existing and planned bicycle facilities for the City of Fresno are shown on **Figure 3**.

Bicyclists will still need to ride on the sidewalks or streets to get directly to Site 4 if not already traveling along M Street or Merced Street. But bicycle accessibility will be improved with these planned facilities. We recommend providing secure bicycle parking on-site to encourage this mode of travel.

Transit Accessibility

Site 4 is accessible via transit with the closest bus stops located at the corner of N Street/Fresno Street, on the southeast corner of the site, and about 300 feet east along Fresno Street. Site 4 has direct access to Routes 1 and 32, as shown on **Figure 4**. Bus Shelter L is within walking distance of Site 4, about 550 feet west, and would provide access to Routes 22, 26, 28, 34, and 38.

A driveway entrance for in-custody vehicles is proposed along N Street and may require the relocation of the existing bus stop on the corner of N Street/Fresno Street. Bus routes at this shelter must be maintained to avoid substantial adverse effects to transit.

Vehicle Access and Circulation

Local vehicular access to Site 4 is provided via Fresno Street, M Street, Merced Street and N Street. Regional access to the site is provided via State Route 41 (SR 41), State Route 99 (SR 99) and State Route 180 (SR 180). SR 41access is provided via interchanges along M Street and Van Ness Avenue, about 4,000 feet away from Site 4. SR 99 access is provided via interchanges along Fresno Street, about 4,000 feet away from Site 4. SR 180 access is provided via interchanges along Van Ness Avenue and Fulton Street, about 4,800 feet away from Site 4.

Public Parking

Visitors to this site will utilize available off-site and public parking in the surrounding area owned by the City of Fresno, as shown on **Figure 5**. The closest parking lot to Site 4 is the Water Tower/Federal Lot. This lot is located in the 1100 block of O Street on the southwest corner of O Street/Fresno Street. It is just west of the Sisk Courthouse and just north of the Downtown library. The lot has 90 parking stalls.

The next closest parking structures are as follows:

- Garage #9 is located on 2020 Merced Street with 213 parking stalls. It is about 880 feet away from Site 4.
- The North Lot is located at Fresno City Hall with 85 parking spots. It is about 1,300 feet away from Site 4.
- Garage #8 is located at 1077 Van Ness Avenue with 968 parking stalls. It is about 1,300 feet away from Site 4.

Aside from parking garages and lots, there are also several metered parking spaces surrounding the site along Fresno Street, M Street, N Street and Merced Street. There are about 85 metered parking spaces around Site 4 in just the surrounding block alone. These metered parking spaces time limits vary from 2-hour to 10-hour parking.

However, with the proposed driveways along N Street and Merced Street, and the possible relocation of the bus shelter, metered parking located within the block will have to be removed.

Secured Parking

Secured parking for staff and judges is proposed to be located in the basement. Driveway access to the underground secured parking area is proposed along N Street and Merced Street, as shown in **Figure 2D**. The ramp along N Street would serve as the entrance to the underground area for in-custody vehicles, and the ramp along Merced Street would serve as the entrance and exit for judges and staff, and as the exit for in-custody vehicles.

As mentioned previously, the driveway entrance along N Street may impact the existing bus stop located at the corner of N Street/Fresno Street. The driveway along Merced Street would require the removal of the existing police parking space currently there.

Figure 2D also depicts the underground secured parking area and Sallyport. Judges and staff vehicles will enter the underground parking area by the ramp proposed along Merced Street. Parking stalls are proposed to the west for judges and staff to park. The Sallyport is located on the south side of the basement for in-custody vehicles. In-custody vehicles are to enter the garage along N Street and drive forward towards the ramp on Merced Street. The vehicle will then reverse into the Sallyport and pull forward again to exit on the ramp towards Merced Street. A new connection between the Fresno County Jail and the In-Custody Holding area is proposed along the southwest side of the basement.

Opportunities and Challenges

Table 4 presents the overall opportunities and challenges that come with Site 4 if it were to be selected by the Judicial Council of California for the location of the new courthouse.

Table 4: Site 4 Opportunities and Challenges

Category	Opportunities	Challenges
Pedestrian Accessibility	• Proximity to Fresno County Superior Court and County Jail	
Bicycle Accessibility	• Planned bicycle facilities will improve bicycle accessibility	• Proposed driveway access along Merced Street poses potential conflict point with bicyclists
Transit Accessibility	• Adjacent to Routes 1 and 32 • Proximity to Bus Shelter L	• Relocation of bus stop on corner of N Street/Fresno Street required
Vehicle Access and Circulation	• All highways are within one mile	• Proper signage needed to ensure only authorized vehicles enter the secured parking area
Public Parking	• Proximity to various public parking garages • 85 metered parking spaces in surrounding block	• Relocation of bus stop and location of proposed driveways would remove existing metered parking spaces and police parking • Public parking not provided on site
Secured Parking	• Dedicated ramps separating judges/staff and in-custody vehicles when entering the secured area • New tunnel to connect to the Fresno County Jail	• In-custody vehicles and judges/staff vehicles exit through same ramp

Source: Fehr & Peers, August 2023

Summary of Findings

While there are many trade-offs, **Appendix A** provides a planning level assessment of the identified criteria. With a score range of 0 to 3 for each subcategory (0 = Poor, 1 = Fair, 2 = Good, and 3 = Excellent), Site 1B received the highest score, followed by Site 1A. Therefore, Site 1B is recommended in terms of accessibility for all modes of travel.

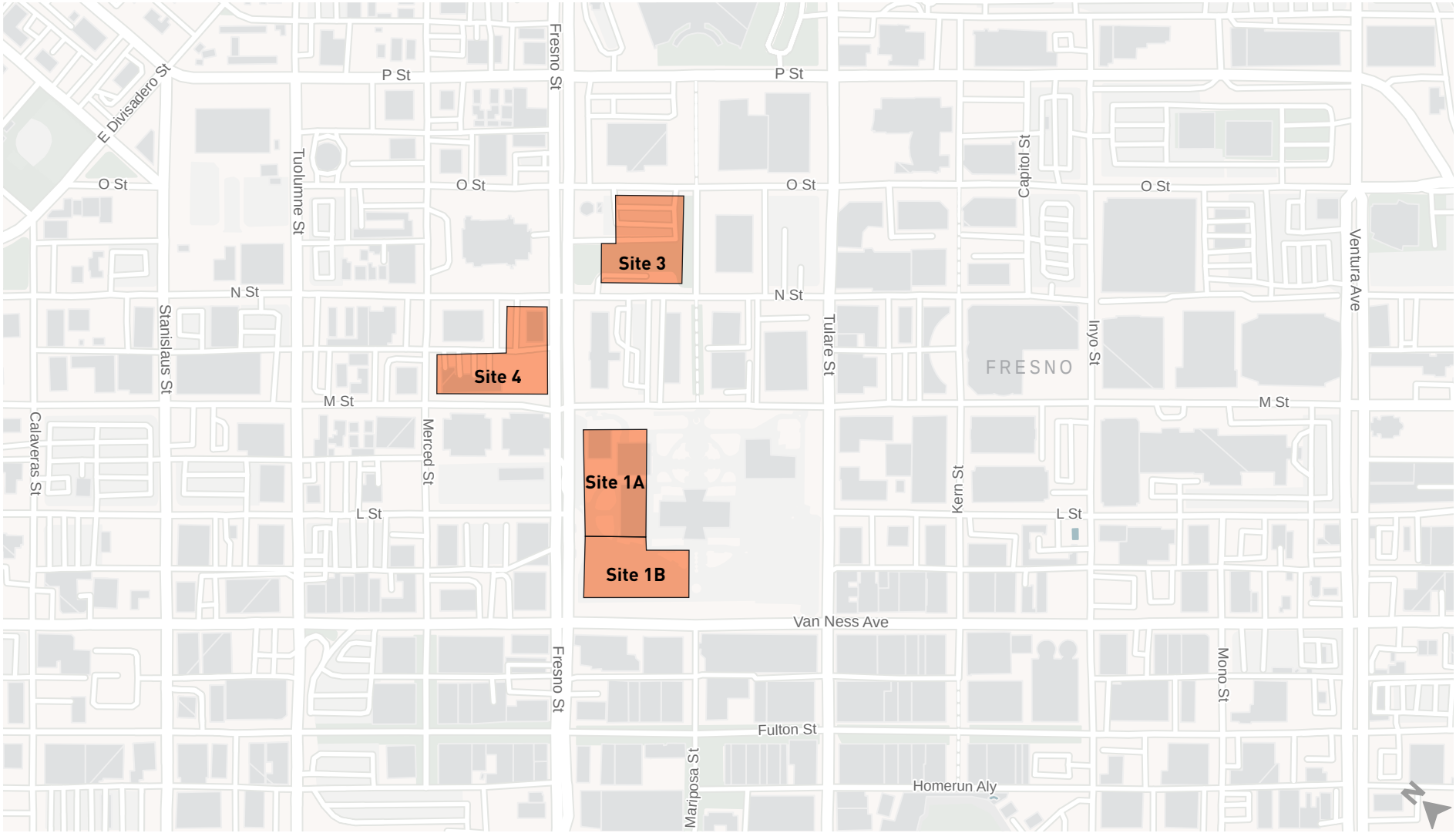
Attachments:

Figure 1	Site Options
Figure 2A.1	Site 1A – Conceptual Site Plan: Level 1
Figure 2A.2	Site 1A – Conceptual Site Plan: Basement 1
Figure 2B.1	Site 1B – Conceptual Site Plan: Level 1
Figure 2B.2	Site 1B – Conceptual Site Plan: Basement 1
Figure 2C.1	Site 3 – Conceptual Site Plan: Level 1
Figure 2C.2	Site 3 – Conceptual Site Plan: Basement 1
Figure 2C.3	Site 3 – Conceptual Site Plan: Basement 2
Figure 2D.1	Site 4 – Conceptual Site Plan: Level 1
Figure 2D.2	Site 4 – Conceptual Site Plan: Basement 1
Figure 3	Existing and Planned Bicycle Facilities
Figure 4	Existing Transit Routes
Figure 5	Public Parking Lots and Garages

APPENDIX A

JCC Fresno Courthouse Transportation Matrix

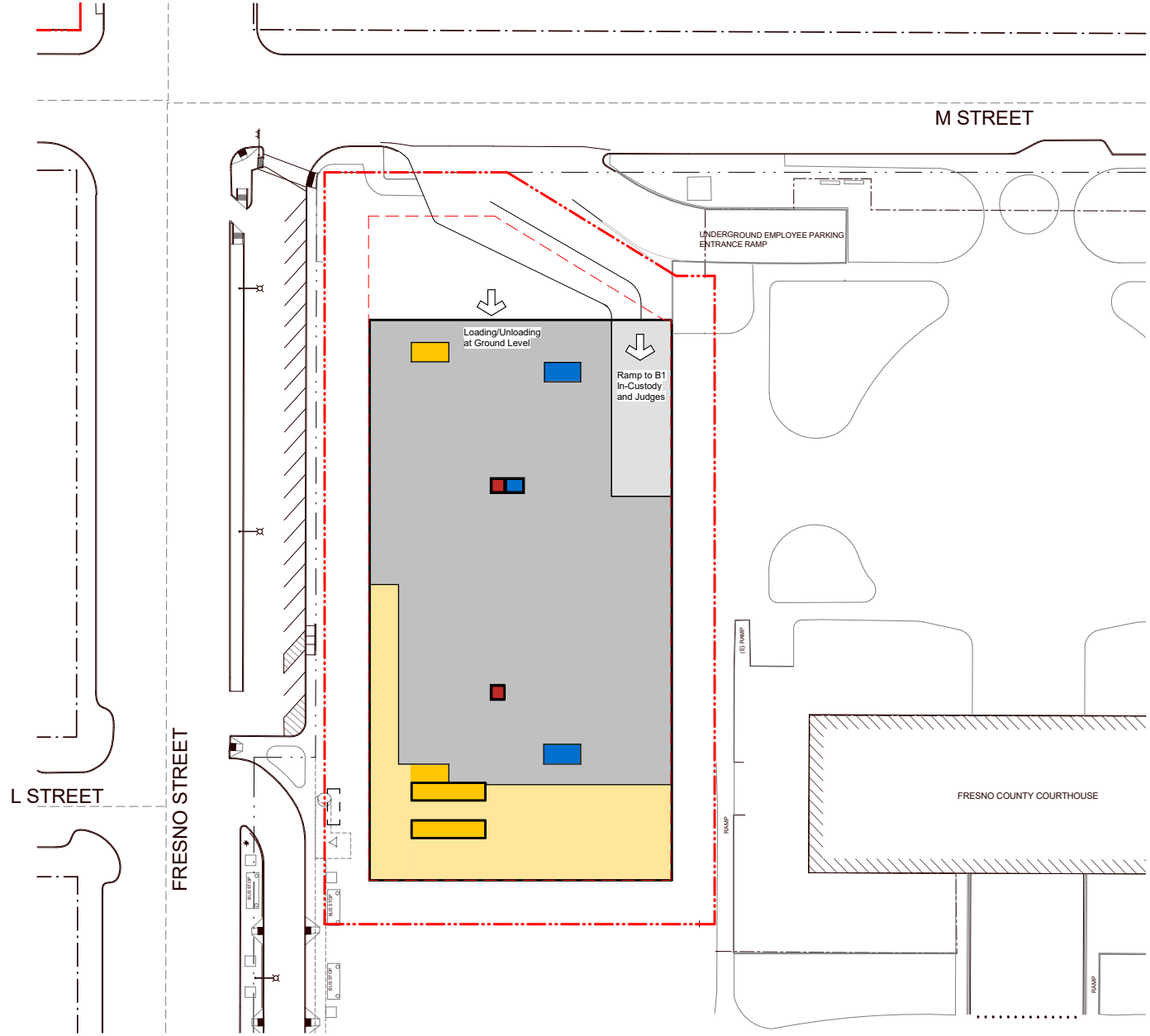
Criteria	Site 1A	Site 1A Score	Site 1B	Site 1B Score	Site 3	Site 3 Score
Description	**Courthouse Park (along Fresno Street) - removal of Sheriff's Office and South Jail Annex**		**Courthouse Park (along Van Ness Avenue) - removal of Courthouse Park space**		**Eaton Plaza - removal of City parking**	
Pedestrian accessibility	Connectivity: Excellent - Access to wide pedestrian paths within/around park; marked pedestrian crossings and facilities at intersections; direct access to pedestrian tunnel 50 feet from Fresno County Superior Court; 500 feet from Fresno County Jail	3	Connectivity: Excellent - Access to wide pedestrian paths within/around park; marked pedestrian crossings and facilities at intersections; direct access to pedestrian tunnel 50 feet from Fresno County Superior Court; 700 feet from Fresno County Jail	3	Connectivity: Good - Access to wide pedestrian paths around site; marked pedestrian crossings and facilities at intersections 1,000 feet from Fresno County Superior Court and Fresno county Jail	2
Bicycle accessibility	Connectivity: Fair - Access to wide pedestrian paths in park; only existing facility on M Street (Class II - one way) Planned bicycle facilites will improve connectivity to excellent	3	Connectivity: Fair - Access to wide pedestrian paths in park; only existing facility on M Street (Class II - one way) Planned bicycle facilites will improve connectivity to excellent	3	Connectivity: Fair - Closest exiting facilities along M Street and P Street (Class II - one way) Planned bicycle facilities will improve connectivity to good	2
Transit accessibility	Bus access: Directly adjacent to Routes 22, 26, 32, 34, 38 Bus Shelter L bus stops woud have to be relocated/reconfigured	3	Bus access: Directly adjacent to Routes 1, 22, 26, 28, 32, 34 Bus Shelter L bus stops woud have to be relocated/reconfigured	3	Bus access: Directly adjacent to Routes 1, 32; walking distance to Routes 22, 26, 28, 34, 38	2
Vehicle Access	Connectivity: Excellent - Close proximity to roadway grid and highways (SR 41, SR 99, SR 180)	3	Connectivity: Excellent - Close proximity to roadway grid and highways (SR 41, SR 99, SR 180)	3	Connectivity: Excellent - Close proximity to roadway grid and highways (SR 41, SR 99, SR 180)	3
Vehicle Circulation (Public Parking)	Excellent - Access to metered parking, surface lots and direct access to Garage #8 (968 parking spots)	3	Excellent - Access to metered parking, surface lots and direct access to Garage #8 (968 parking spots)	3	Good - Access to metered parking and walking distance to surface lots and garages Removal of existing public parking necessary	2
Vehicle Circulation (Judicial Secure Parking)	Fair - Proposed driveway access along M Street However, concern for safety and visibility on M Street and engineering design needed to construct driveway near existing parking garage ramp	1	Excellent - Proposed driveway access along Fresno Street with separate areas for judges and in-custody vehicles	3	Excellent - Proposed driveway access along N Street and O Street with separate ramps for judges and in-custody vehicles	3
Total		**16**		**18**		**14**



Site Options

Figure 1

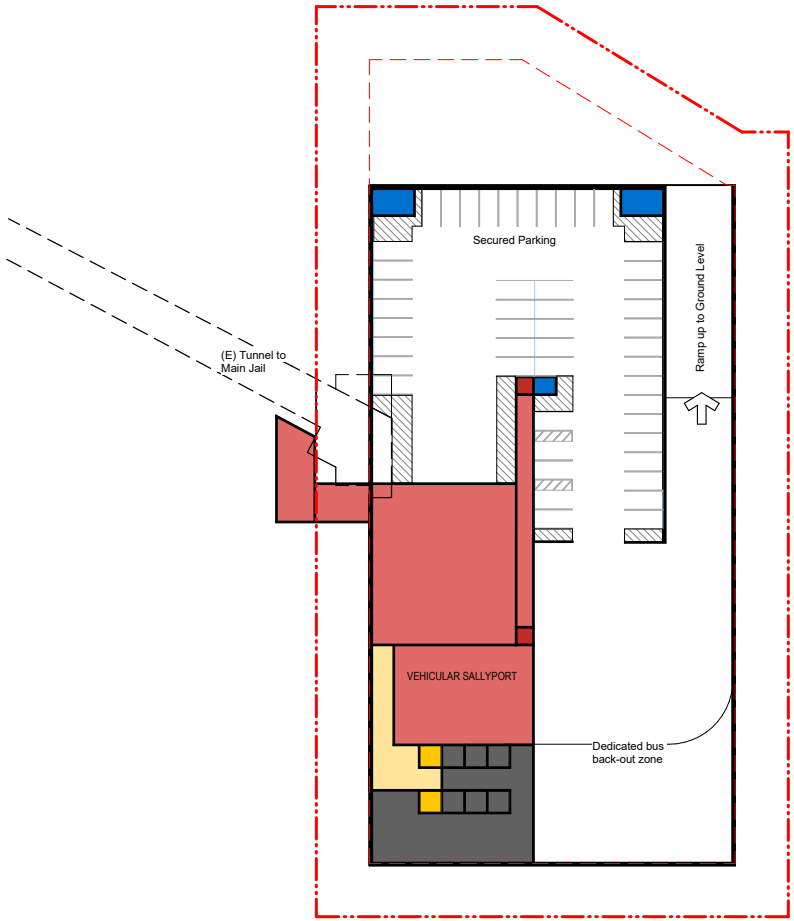
Site Options



Site Plan Source: HOK

Figure 2A.1

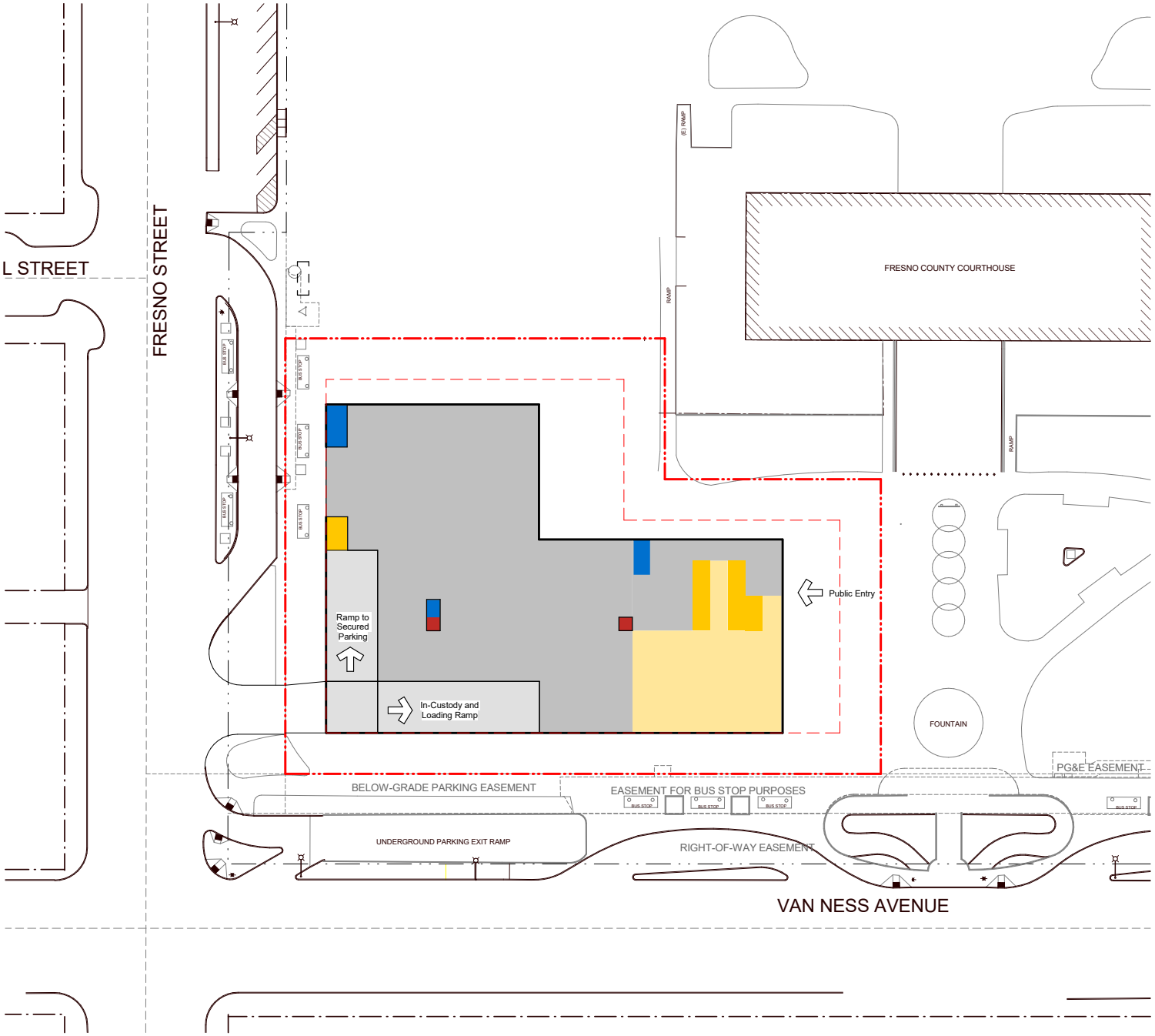
Site 1A — Conceptual Site Plan: Level 1



Site Plan Source: HOK

Figure 2A.2

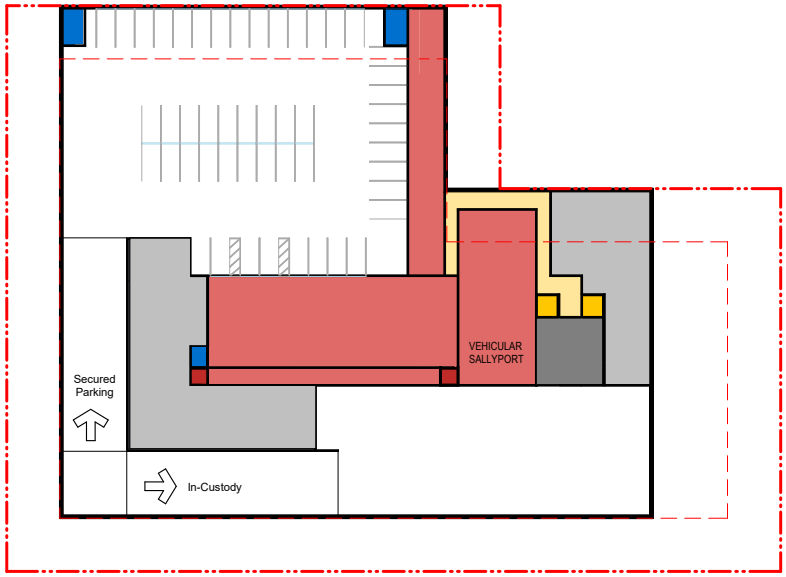
Site 1A — Conceptual Site Plan: Basement 1



Site Plan Source: HOK

Figure 2B.1

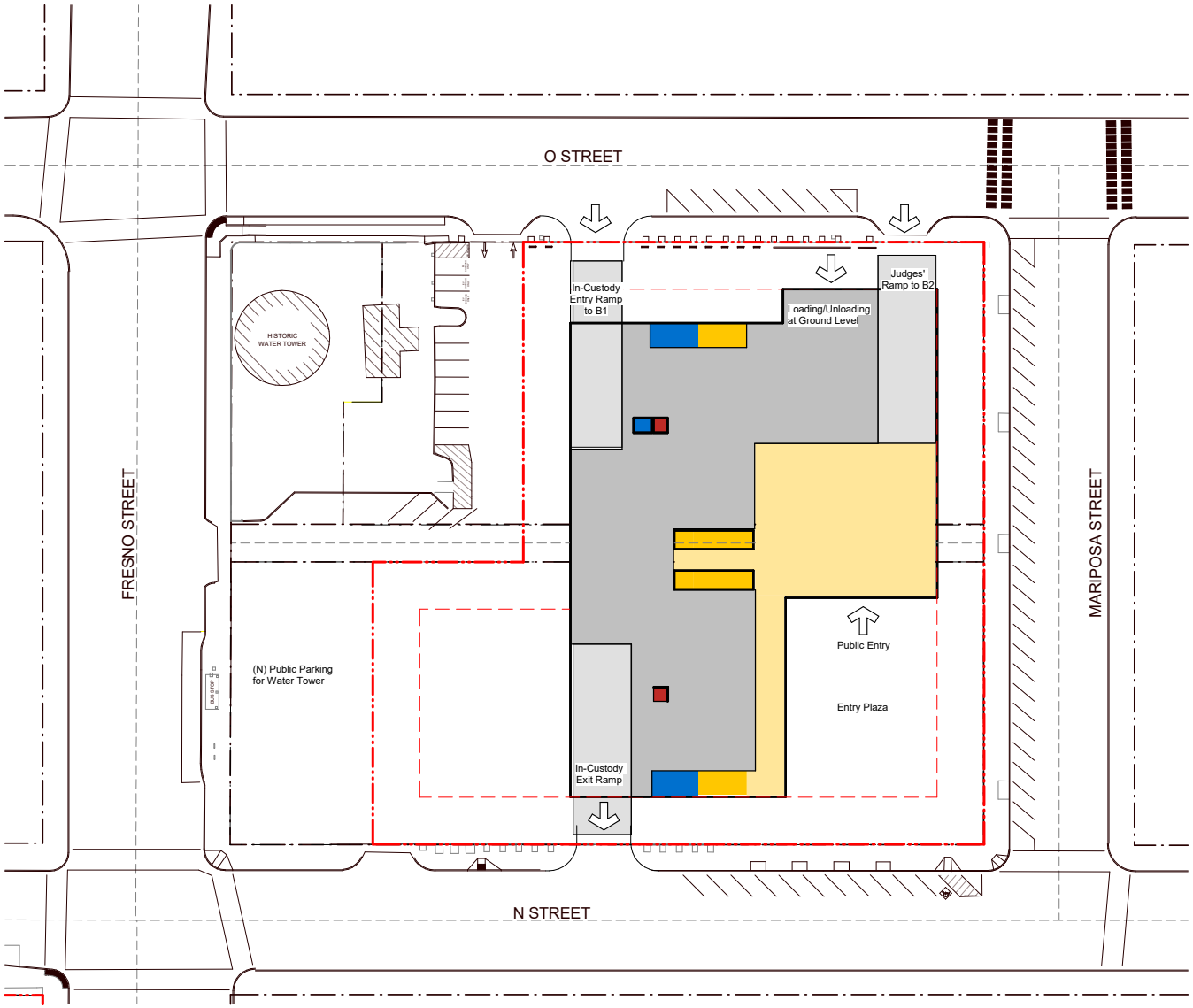
Site 1B — Conceptual Site Plan: Level 1



Site Plan Source: HOK

Figure 2B.2

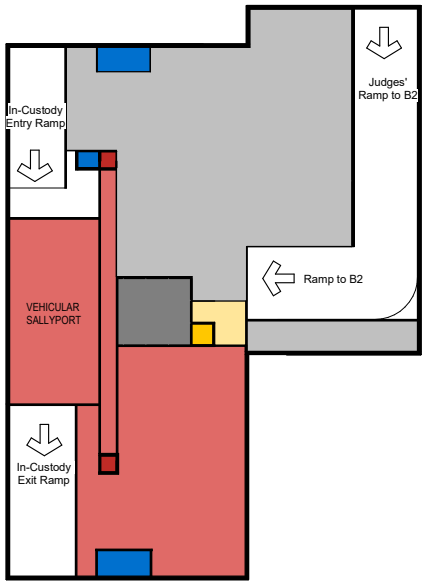
Site 1B — Conceptual Site Plan: Basement 1



Site Plan Source: HOK

Figure 2C.1

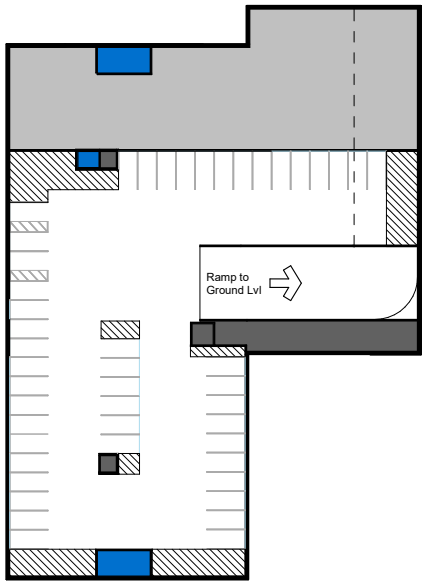
Site 3 — Conceptual Site Plan: Level 1



Site Plan Source: HOK

Figure 2C.2

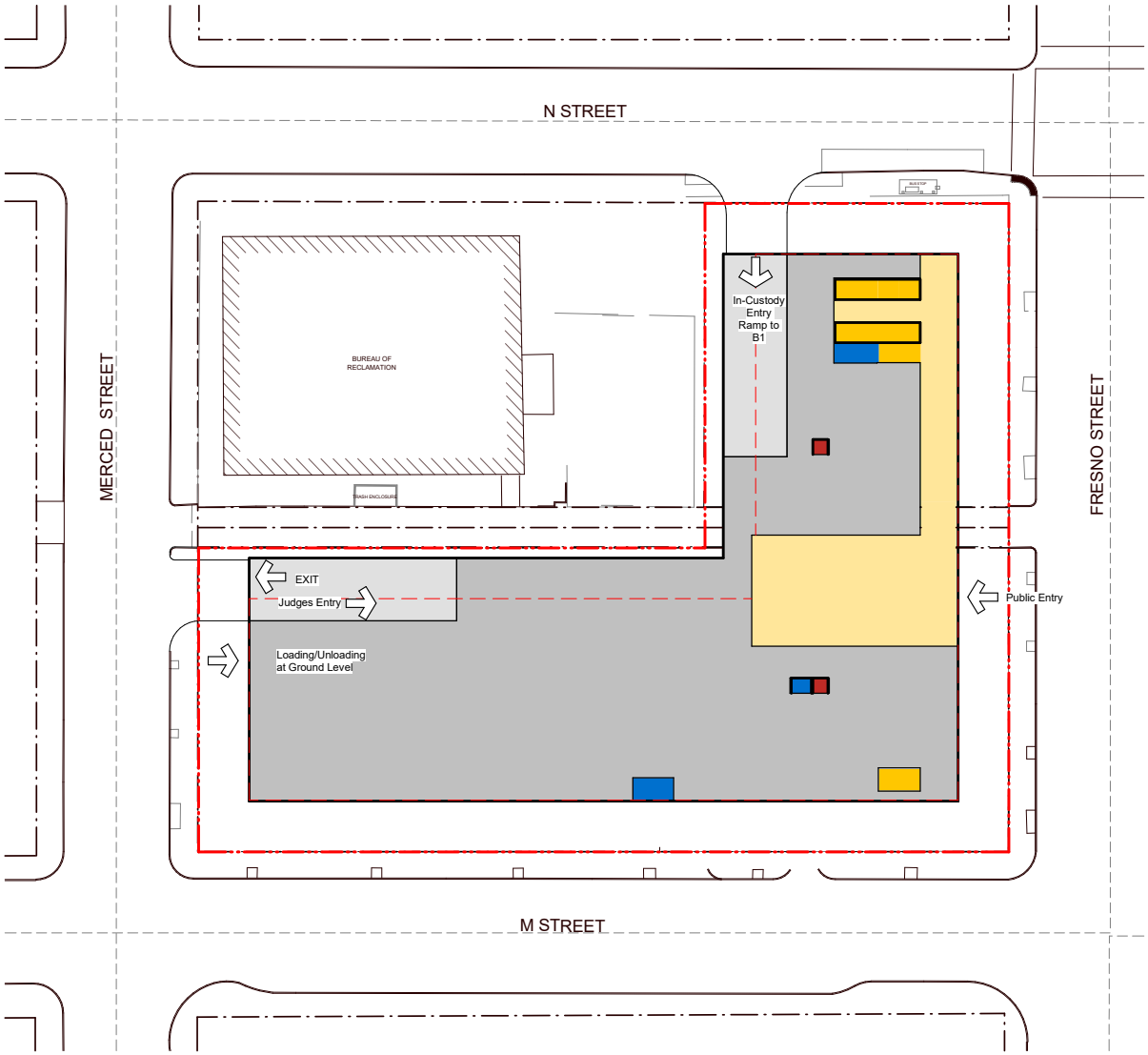
Site 3 — Conceptual Site Plan: Basement 1



Site Plan Source: HOK

Figure 2C.3

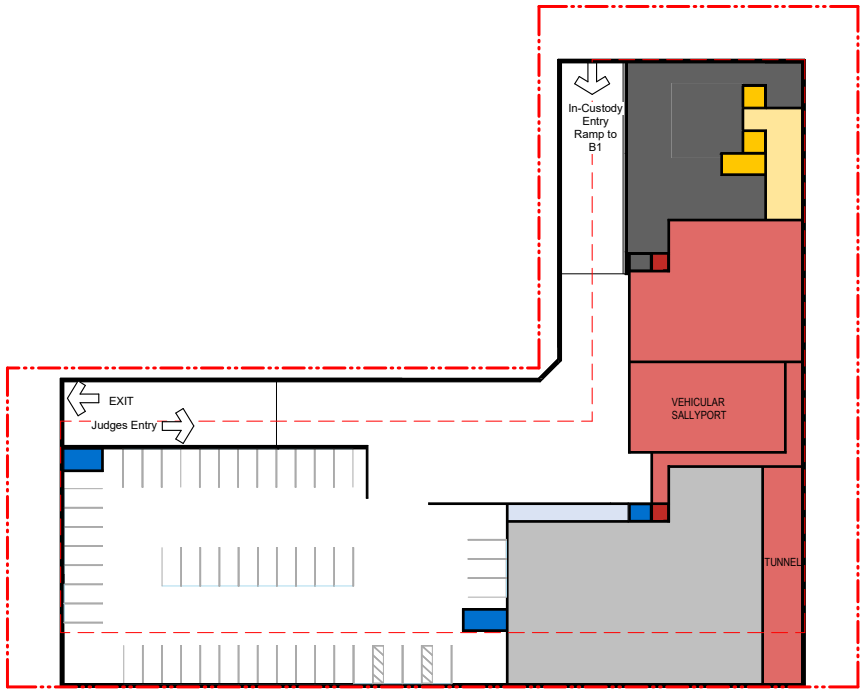
Site 3 — Conceptual Site Plan: Basement 2



Site Plan Source: HOK

Figure 2D.1

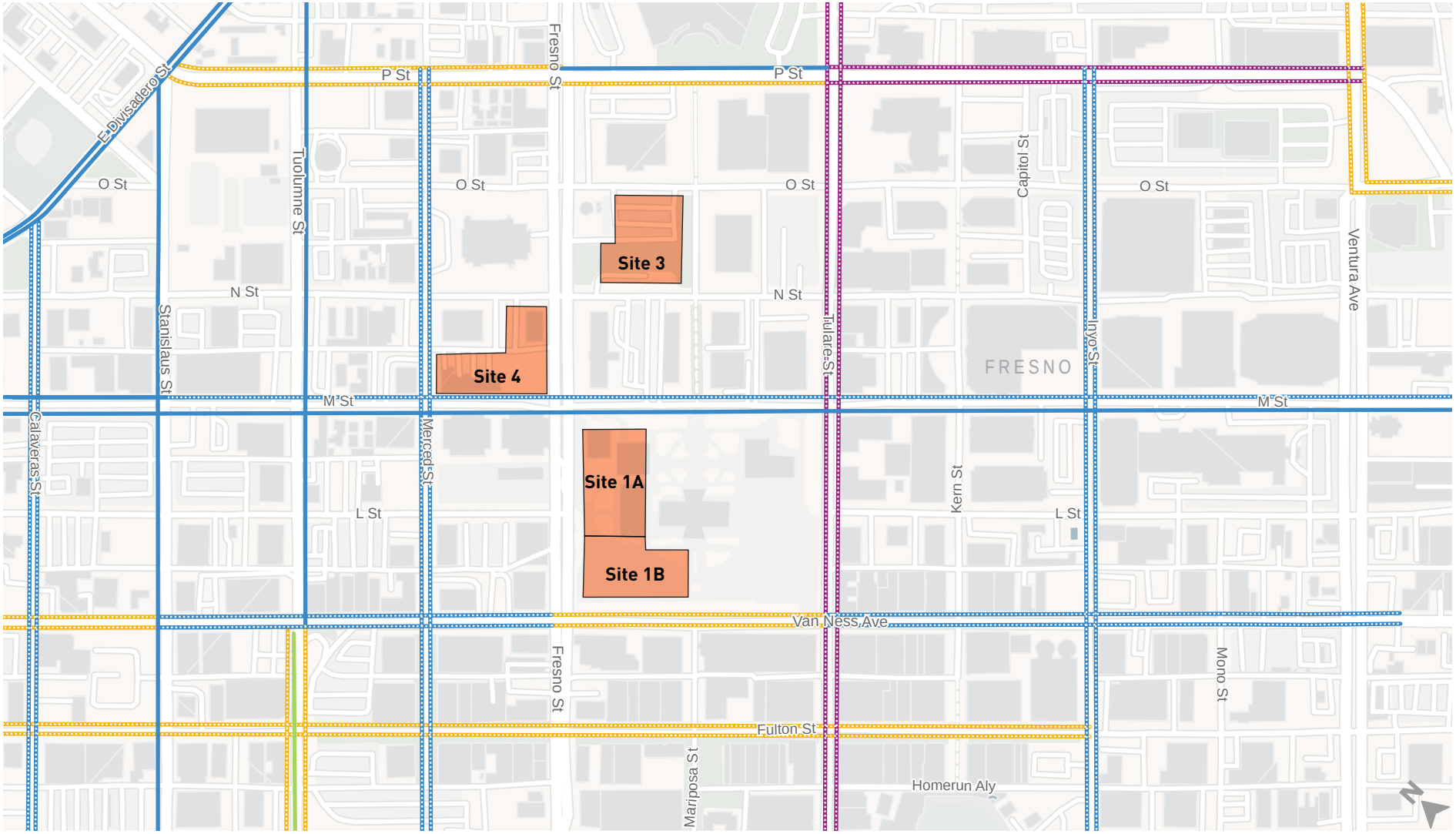
Site 4 — Conceptual Site Plan: Level 1



Site Plan Source: HOK

Figure 2D.2

Site 4 — Conceptual Site Plan: Basement 1



Site Options

Existing	*Proposed*
Class I Bike Path	Proposed Class I Bike Path
Class II Bike Lane	Proposed Class II Bike Lane
Class III Bike Route	Proposed Class III Bike Route
Class IV Separated Bikeway	Proposed Class IV Separated Bikeway

Figure 3

Existing and Planned Bicycle Facilities

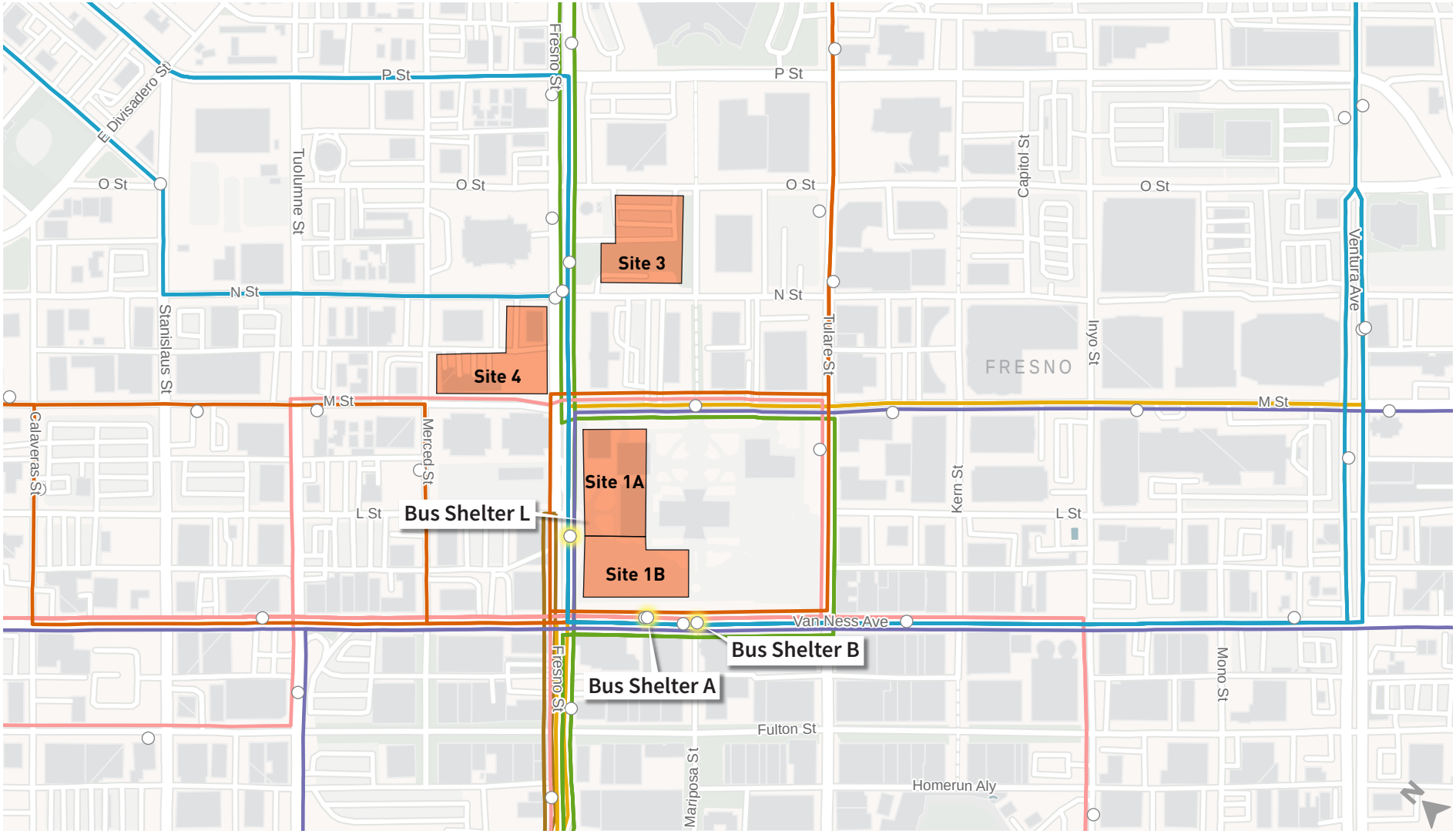


Figure 4

Existing Transit Routes

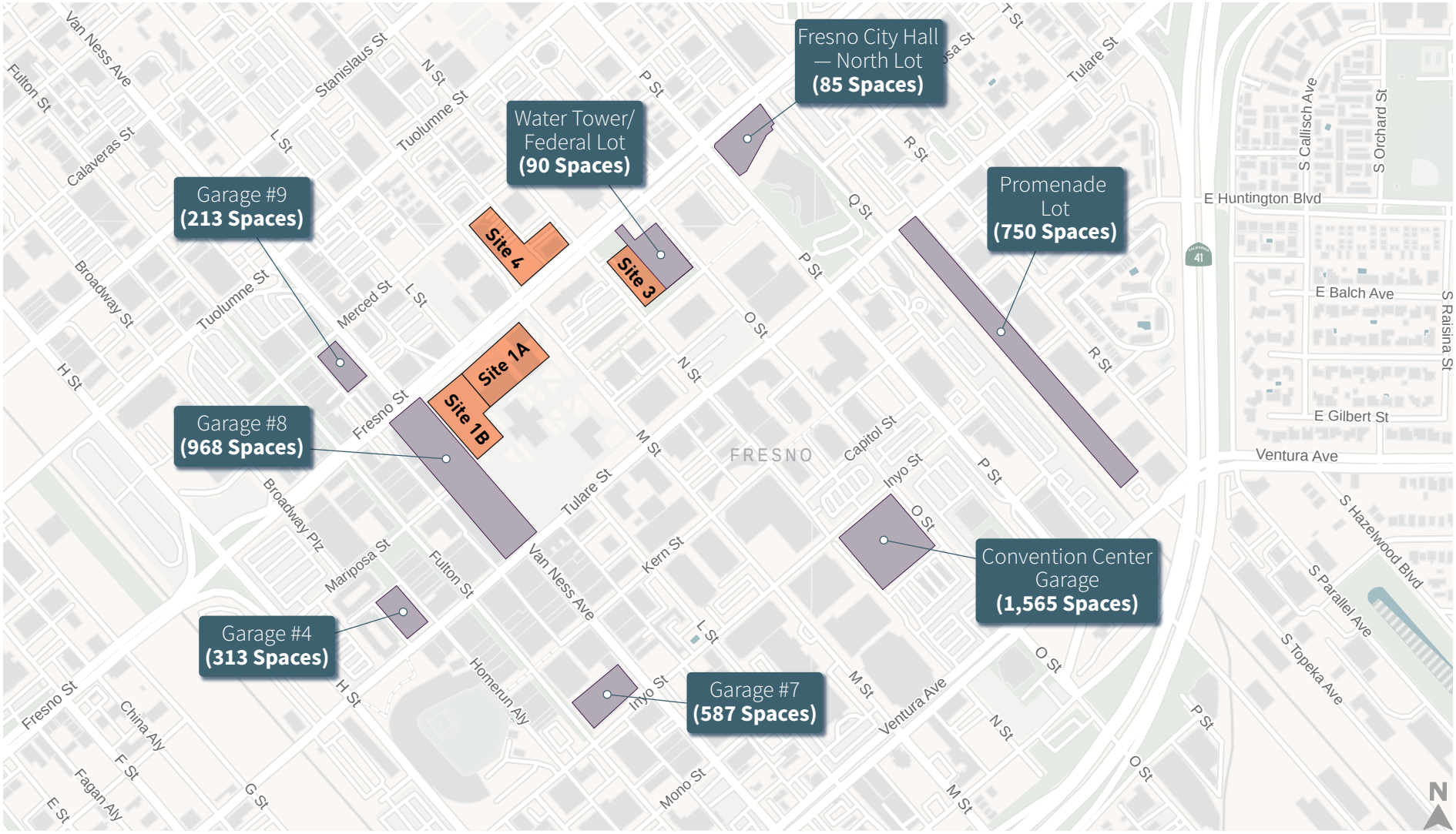


Figure 5

Public Parking Lots and Garages

FEHR & PEERS

343 East Main Street | Suite 608
Stockton, CA 95202
www.fehrandpeers.com

Appendix L FHWA Roadway Construction Noise Model

Report date: 12/10/2025
Case Description: JCC Fresno Courthouse - Demolition

		Baselines (dBA)		---- Receptor #1 ----
Description	Land Use	Daytime	Evening	Night
Residential Along Tulare Street	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	750	0
Dozer	No	40		81.7	750	0
Tractor	No	40	84		750	0
Front End Loader	No	40		79.1	750	0
Backhoe	No	40		77.6	750	0
Haul Truck	No	40		76.5	750	0
Haul Truck	No	40		76.5	750	0

Results

	Calculated (dBA)	
Equipment	Lmax	Leq
Concrete Saw	66.1	59.1
Dozer	58.1	54.2
Tractor	60.5	56.5
Front End Loader	55.6	51.6
Backhoe	54	50.1
Haul Truck	53	49
Haul Truck	53	49
Total	**68.4**	**62.8**

Report date: 12/10/2025
Case Description: JCC Fresno Courthouse - Site Preparation

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential Along Tulare Street	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85		750	0
Scraper	No	40		83.6	750	0
Tractor	No	40	84		750	0

		Results Calculated (dBA)	
Equipment		Lmax	Leq
Grader		61.5	57.5
Scraper		60.1	56.1
Tractor		60.5	56.5
	Total	**65.5**	**61.5**

Report date: 12/10/2025
Case Description: JCC Fresno Courthouse - Grading

		Baselines (dBA)			---- Receptor #1 ----
Description	Land Use	Daytime	Evening	Night	
Residential Along Tulare Street	Residential	60	55	50	

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85		750	0
Dozer	No	40		81.7	750	0
Tractor	No	40	84		750	0
Front End Loader	No	40		79.1	750	0
Haul Truck	No	40		76.5	750	0
Haul Truck	No	40		76.5	750	0
Haul Truck	No	40		76.5	750	0
Haul Truck	No	40		76.5	750	0

Results

	Calculated (dBA)	
Equipment	Lmax	Leq
Grader	61.5	57.5
Dozer	58.1	54.2
Tractor	60.5	56.5
Front End Loader	55.6	51.6
Haul Truck	53	49
Haul Truck	53	49
Haul Truck	53	49
Haul Truck	53	49
Total	**66.4**	**62.4**

Report date: 12/10/2025
Case Description: JCC Fresno Courthouse - Building Construction

		Baselines (dBA)		---- Receptor #1 ----
Description	Land Use	Daytime	Evening	Night
Residential Along Tulare Street	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	750	0
Forklift (Gradall)	No	40		83.4	750	0
Forklift (Gradall)	No	40		83.4	750	0
Generator	No	50		80.6	750	0
Tractor	No	40	84		750	0
Welder / Torch	No	40		74	750	0
Welder / Torch	No	40		74	750	0
Welder / Torch	No	40		74	750	0

Results

	Calculated (dBA)	
Equipment	Lmax	Leq
Crane	57	49.1
Forklift (Gradall)	59.9	55.9
Forklift (Gradall)	59.9	55.9
Generator	57.1	54.1
Tractor	60.5	56.5
Welder / Torch	50.5	46.5
Welder / Torch	50.5	46.5
Welder / Torch	50.5	46.5
Total	**66.5**	**62.3**

Report date: 12/10/2025
Case Description: JCC Fresno Courthouse - Paving

		Baselines (dBA)		---- Receptor #1 ----
Description	Land Use	Daytime	Evening	Night
Residential Along Tulare Street	Residential	60	55	

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	750	0
Paver	No	50		77.2	750	0
Concrete Mixer Truck	No	40		78.8	750	0
Tractor	No	40	84		750	0
Roller	No	20		80	750	0
Roller	No	20		80	750	0

Results

	Calculated (dBA)	
Equipment	Lmax	Leq
Paver	53.7	50.7
Paver	53.7	50.7
Concrete Mixer Truck	55.3	51.3
Tractor	60.5	56.5
Roller	56.5	49.5
Roller	56.5	49.5
Total	**64.5**	**60**

Report date: 12/10/2025
Case Description: JCC Fresno Courthouse - Architectural Coating

		Baselines (dBA)		---- Receptor #1 ----
Description	Land Use	Daytime	Evening	Night
Residential Along Tulare Street	Residential	60	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Compressor (air)	No	40		77.7	750	0

Results

	Calculated (dBA)	
Equipment	Lmax	Leq
Compressor (air)	54.1	50.2
Total	**54.1**	**50.2**