Print Form

Notice of Exemption

Appendix E

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044

County Clerk
County of: Santa Clara
110 West Tasman Drive, 1st Floor
San Jose, CA 95134

From: (Public Agency): Caltrain
1250 San Carlos Avenue
San Carlos, CA 94070
(Address)

Project Title: Geotechnical Investigation for the Palo Alto Grade Separation Project (Churchill Avenue, Meadow Drive, Charleston Road)

Project Applicant: Caltrain

Project Location - Specific:
Churchill Avenue, Meadow Drive, and Charleston Road crossings of the Caltrain Corridor, including nearby City streets (Castilleja Ave, Coleridge Ave, Emerson St, Wright Pl, Park Blvd, Alma St, Ely Pl, Mariposa Ave) within the City of Palo Alto.

Project Location - City: Palo Alto Project Location - County: Santa Clara

Description of Nature, Purpose and Beneficiaries of Project:
The proposed project consists of temporary geotechnical investigations (rotary wash borings and cone penetration tests) to depths of 50–60 feet within the public right-of-way at three grade crossings (Churchill Avenue, Meadow Drive, and Charleston Road). The purpose of the work is to collect data to support preliminary engineering, design refinement, and environmental analysis of grade separation alternatives being considered by the City of Palo Alto and Caltrain. All borings will be sealed, backfilled, and roadways restored per City and Valley Water requirements. No trees, vegetation, or sensitive resources will be affected. Beneficiaries include Caltrain, the City of Palo Alto, and the public by supporting safer and more efficient rail crossings.

Name of Public Agency Approving Project: Caltrain

Name of Person or Agency Carrying Out Project: Caltrain

Exempt Status: **(check one):**

- ☐ Ministerial (Sec. 21080(b)(1); 15268);
- ☐ Declared Emergency (Sec. 21080(b)(3); 15269(a));
- ☐ Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- ☒ Categorical Exemption. State type and section number: CEQA Guidelines Section 15306, Class 6 – Information Collection)
- ☐ Statutory Exemptions. State code number:

Reasons why project is exempt:
The project consists solely of basic data collection through temporary borings and cone penetration tests to inform future design. All work will occur in existing paved City rights-of-way in urbanized areas, with no vegetation removal, permanent construction, or disturbance to sensitive environmental or cultural resources. Borings will be sealed and areas restored per City and Valley Water standards. The project meets the criteria for a Class 6 exemption under CEQA Guidelines §15306 and does not trigger any exceptions listed in CEQA Guidelines §15300.2.

Lead Agency
Contact Person: Michael Tauchen Area Code/Telephone/Extension: 650.730.4847

If filed by applicant:
1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature: [signature] Date: 9/17/25 Title: Deputy Director

▪ Signed by Lead Agency Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code.
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

Date Received for filing at OPR:

Revised 2011

☐



Categorical Exemption for the Geotechnical Investigation for the City of Palo Alto Project for Grade Separation: Churchill Avenue, Meadow Drive, and Charleston Road

To: ***Caltrain***

From: ***Kimley-Horn and Associates***

Date: ***September 2, 2025***

Project Title

Categorical Exemption for the Geotechnical Investigation for the Caltrain Palo Alto Grade Separation Project (Churchill Avenue, Meadow Drive, and Charleston Road), Palo Alto, California.

Project Overview

Caltrain, City of Palo Alto (City), and the Santa Clara Valley Transportation Authority have a cooperative agreement for Caltrain to lead the Palo Alto Project for Grade Separation: Churchill Avenue, Meadow Drive, and Charleston Road (Grade Separation Project) in close collaboration with the City. In June 2024, the City Council approved the design alternatives listed below to advance to the next phase, Preliminary Engineering and Environmental Documentation.

Churchill Avenue

- Partial Underpass with bicycle and pedestrian crossing at Seale Avenue (Locally Preferred Alternative)
- Closure with Mitigations Alternative (backup)

Meadow Drive

- Underpass alternative
- Hybrid alternative

Charleston Road

- Underpass alternative
- Hybrid alternative

As part of the Preliminary Engineering phase, a targeted geotechnical investigation (proposed Project) is necessary to support further design refinement and evaluation of the Grade Separation Project alternatives. Currently, only the geotechnical investigations are being reviewed pursuant to the California Environmental Quality Act (CEQA).

This proposed Project is an independent data collection effort that does not entail Grade Separation Project approval, adoption, or funding for construction and qualifies for a Class 6 exemption per CEQA Guidelines §15306.

Lead Agency

Caltrain



Project Location

The geotechnical investigation for the proposed Project will take place within the City of Palo Alto in Santa Clara County, California, see **Figure 1: Regional Location.** The proposed Project includes subsurface exploratory borings and cone penetration tests associated with three proposed grade separations along the Caltrain corridor: Churchill Avenue, Meadow Drive, and Charleston Road.

All boring and cone penetration tests will occur within existing City rights-of-way (ROW) at the following grade crossings and adjacent streets:

- **Churchill Avenue Crossing**: Including **Castilleja Avenue**, **Coleridge Avenue**, and **Emerson Street**
- **Meadow Drive Crossing**: Including **Wright Place**, **Park Boulevard**, and **Alma Street**
- **Charleston Road Crossing**: Including **Ely Place**, **Park Boulevard**, and **Alma Street**

No work will occur within Caltrain ROW.

Project Description

Caltrain, in coordination with the City, is proposing to conduct a series of geotechnical borings and cone penetration tests at and near Churchill Avenue, Meadow Drive, and Charleston Road crossings, refer to **Table 1**, **Proposed Borings**. This investigation will collect subsurface data necessary to inform 15 percent design-level evaluations and independent cost estimates for the grade separation alternatives outlined above. The data will also support 35 percent design refinements and early hazard identification as part of the Rail Crossing Elimination Grant requirements.

Table 1: Proposed Borings

Location	Type		Quantity		Depth (ft)
	Boring	CPT	Boring	CPT	
Churchill Avenue	X	X	1	5	50-60
Meadow Drive	X	X	1	4	50-60
Charleston Road	X	X	1	4	50-60
Source: Attachment 2: Valley Water Applications to Drill Exploratory Borings Notes: CPT – Cone Penetration Test Boring – Rotary Wash Boring					

The proposed field work includes rotary wash borings to depths of approximately 50-60 feet and cone penetration to depths of approximately 60 feet. All boring locations are confined to City-owned public ROW and are outside the Caltrain rail corridor. The borings will be temporary, and all boreholes will be backfilled and resurfaced per applicable regulations and City standards. The proposed geotechnical work is summarized as follows:

- Three (3) rotary wash borings to depths of approximately 50-60 feet;
  - Churchill Avenue, Meadow Drive, and Charleston Road
- Thirteen (13) cone penetration tests to depths of approximately 60 feet;
  - Alma Street, Mariposa Avenue, Charleston Road, Park Boulevard, and Coleridge Avenue
- Use of vacuum excavation to locate existing utilities prior to boring; and
- Backfilling and full surface restoration per City standards.



All boring and cone penetration tests will occur in paved roadways or shoulders. No work will occur on or next to sensitive environmental or cultural resource areas. No tree trimming or removal will occur.

To minimize disruption and ensure public safety, Project-specific traffic control plans were developed and approved by the City; refer to **Attachment 1**, **Traffic Control Plans**. These plans conform to the California Manual on Uniform Traffic Control Devices and apply to:

- **Alma Street**, **Churchill Avenue**, **Coleridge Avenue**, **Meadow Drive**, **Charleston Road**, **Park Boulevard**, and connecting streets.

Traffic Control Plan provisions include:

- Lane closure notifications and signage in advance;
- Maintenance of local access and emergency vehicle routes at all times;
- Flashing barricades and buffer zones; and
- Use of tow-away signage and police notification for restricted parking.

Additionally, Santa Clara Valley Water District (Valley Water) is the groundwater management agency for Santa Clara County (County). Under its Well Ordinance No. 90-1 and the County's "Standards for the Construction and Destruction of Wells and Other Deep Excavations," any activity that drills into or destroys the local aquifers requires a permit from Valley Water. Valley Water's well-permit page explains that it is unlawful to construct a well, a heat-exchange well or an exploratory boring 45 feet or deeper or any deep excavation that intersects the groundwater aquifers without first obtaining a permit from Valley Water. The purpose of this permit system is to protect groundwater quality and public health by ensuring that boreholes are sealed properly and do not become conduits for contamination.

Valley Water's exploratory-boring permit application (form FC 285, revised March 2015) further requires that the permittee notify Valley Water's well-inspection department before sealing, that borings be sealed within 24 hours of testing completion, and that a licensed C-57 or C-61 contractor perform the work. Valley Water therefore regulates geotechnical borings in the City of Palo Alto (which is within its jurisdiction) to ensure that any holes drilled for subsurface exploration meet state and county standards for construction, sealing, and abandonment. In practice, engineers and drillers must submit the exploratory boring application and pay associated fees before beginning the work. The permit then allows Valley Water to schedule inspections, verify compliance, and maintain records of all deep borings.

Drilling activities for the proposed Project would comply with the General Conditions of the applications to drill, as shown in **Attachment 2**, **Valley Water Application to Drill Exploratory Borings**. The proposed geotechnical investigation work will adhere to Valley Water's General Conditions to ensure that all borings are properly sealed, materials are handled and disposed of correctly, and proper oversight is in place, which protects public health, and water resources and reduces the risk of environmental impacts or liability. The Valley Water General Conditions are summarized below under Permitting, Conditions of Approval, and Provisions and the full extent of the provisions can be found on page 2 of **Attachment 2**. Also refer to **Attachment 2** for the boring locations.

All activities are authorized under the City of Palo Alto Streetwork Permit No. E25-0106, issued May 23, 2025, to Parikh Consultants, Inc., the geotechnical contractor and Gregg Drilling LLC, the drilling company; refer to **Attachment 3**, **Streetwork Permit No. E25-0106**. A summary of the general and special Streetwork Permit conditions are summarized below and the full range of conditions is available in **Attachment 3**.

A desktop biological review and California Natural Diversity Database (CNDDB) records search was conducted of the areas surrounding the proposed boring and cone penetration test locations and confirmed that no special status



species or aquatic resources have been previously documented onsite (refer to **Attachment 4, California Natural Diversity Database Records Search**).

Kimley-Horn and Associates conducted a California Historical Resources Information System (CHRIS) records search and documented cultural resources conditions in the Project area (refer to **Attachment 5, Non-Confidential Class I Cultural Resources Records Search Memorandum**). Summary findings are discussed below. The Cultural Resources Memorandum searched for previously recorded cultural resources within or near the boring locations, as well as the level of archaeological sensitivity of the Project area (boring locations). The Cultural Resources Memorandum was completed by reviewing cultural resources records held by the Northwest Information Center (NWIC), historic aerial imagery, topographic/geological maps, and other publicly available information.

The cultural resources records search was conducted on August 10, 2025, for the Project area plus an additional 0.25-mile buffer. The records search and review of prior studies identified two cultural resources within the Project area: P-43-000595, a large prehistoric archaeological site, and P-43-000928, a segment of the Southern Pacific Railroad. Additional studies within 0.25 miles of the Project area documented ten other cultural resources, including two prehistoric archaeological sites and eight historic built environment resources.

The geotechnical testing will not result in an adverse change to the significance of known cultural resources within the Project area. P-43-000928 will not be affected, and while two boring locations fall within P-43-000595, the portion of the site affected is a non-contributing roadway segment previously determined not to affect the site's eligibility for the CRHR or NRHP. No other cultural resources were identified within the Project area.

Given the area's extensive prior disturbance, the likelihood of intact archaeological deposits is considered low; however, because the Project area historically possessed moderate-to-high archaeological sensitivity and one prehistoric site is present, inadvertent discovery protocols for archaeological resources and human remains will be implemented as outlined in the *Permitting, Conditions of Approval, and Provisions* section that follows.

Permitting, Conditions of Approval, and Provisions

The following general conditions from the Valley Water Application to Drill Exploratory Borings will apply:

- **Notify Valley Water:** Inform Valley Water's Well Ordinance Program at least one working day before sealing exploratory borings; a Valley Water inspector must be present unless the requirement is waived.
- **Permit limitations:** The permit only applies to the listed parcel and specified work; any changes to destruction methods require Valley Water approval.
- **Seal and secure borings:** Seal borings within 24 hours of testing, prevent contamination, and obtain a separate encroachment permit for work on Valley Water property.
- **Assume all liability:** The permittee is fully responsible for work under the permit and must indemnify Valley Water; all activities must comply with Cal/OSHA rules.
- **Use licensed contractors:** Work must be performed by a contractor holding a valid C-57 or C-61/D-09 license.
- **Handle materials safely:** Collect and dispose of drill cuttings and water in compliance with all federal, state, and local regulations; prevent discharges to storm drains or waterways.
- **Maintain insurance:** Keep the current Certificate of Insurance on file throughout the work period.
- **Permit management:** The permit expires if not executed within one year, must be kept on-site during work, and the permittee must contact Underground Service Alert (811) before digging.



The following general conditions and special provisions from the City's Streetwork Permit will apply:

- **Permitting and responsibilities:** The work must follow the approved plans and comply with City standards, specifications, and the California Manual on Uniform Traffic Control Devices. The permittee must maintain liability insurance naming the City as additional insured and keep the certificate current, obtain any other permits needed, and ensure existing City trees are protected.
- **Preconstruction requirements:** Before starting work, the permittee must locate all utilities, notify Underground Service Alert at least 48 hours before excavation, inform the Public Works Inspector two working days in advance, post no parking signs with three-day notice if needed, and have traffic control measures in place according to the approved plan.
- **Noise and work hours:** Construction must comply with the city's Noise Abatement Ordinance. Permitted work hours are 8 a.m. to 6 p.m. Monday through Friday and 9 a.m. to 6 p.m. Saturday. Sunday and holiday work requires a noise exception permit. Lane closure hours must follow the approved traffic plan, and amplified music is not allowed.
- **Traffic control:** Traffic control devices and lane closures must conform to CAMUTCD and the approved plan. The contractor must supply and maintain signs, barricades, cones and flashers, separate the work area from traffic, promptly remove devices when no longer needed, barricade hazards during non-working hours, and replace any damaged pavement striping or signage; the Public Works Inspector or police may modify or take over traffic control if measures are inadequate.
- **Housekeeping and stormwater protection:** Stockpiling in the right-ROW is prohibited unless allowed; the work area must be swept clean daily, dust controlled, forms and debris removed, and spillage from hauling cleaned up. It is unlawful to discharge construction debris into gutters or storm drains; the permittee must use best management practices for stormwater pollution prevention and use reclaimed water for backfill consolidation.
- **Site restoration and completion:** The permittee must repair or replace any City or private facilities damaged by the work, following City specifications and notifying the Public Works Inspector 48 hours before restoration. Work, including restoration, should be completed within 15 working days at each location. At completion, all debris and markings must be removed, the inspector notified for final inspection, and the permit remains in force until the inspector signs off.
- **Permit expiration and insurance:** The permit is valid for six months; if not finalized within that time, a new permit or additional fees are required. The permittee must carry personal injury and property damage insurance (minimum $1 million each) naming the City as additional insured and maintain coverage for the duration of the permit.
- **Encroachment restrictions and responsibilities:** Encroachment must stay within the permitted area, must not block traffic control devices or access to utility structures, and is not allowed in bike lanes, bus stops or no parking zones without specific authorization. The permittee must maintain the encroachment safely, ensure adequate visibility day and night, conform to CAMUTCD requirements, locate and mark underground facilities, and repair any public or private improvements damaged. Dumpsters must be sourced through the City's contracted waste collector.
- **Additional permits and provisions:** The permittee must obtain any additional permits listed in the permit, and other special provisions or conditions may apply.

The following conditions regarding inadvertent discoveries of archaeological resources and human remains will apply:

CUL-1: Inadvertent Discovery of Archaeological Resources

In the event that archaeological resources are inadvertently unearthed or encountered during ground-disturbing activities, all work within 60 ft of the find shall cease and an archaeologist that meets Secretary of Interior professional qualifications in archaeology shall be contacted. The archaeologist shall record and evaluate the resource for potential significance. Should the archaeologist have concerns that the find is potentially significant,



the archaeologist shall prepare a mitigation plan for review and approval by the lead agency and any consulting Tribes. If avoidance of the resource(s) is not feasible, salvage operation requirements pursuant to State CEQA Guidelines Section 15064.5 shall be followed.

CUL-2: Inadvertent Discovery of Human Remains
If human remains are encountered during the undertaking, California State Health and Safety Code Section 7050.5 states that excavation shall stop and no further disturbance shall occur within 100 feet of the discovery until the County Coroner has made a determination of origin and disposition of the remains pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the Native American Heritage Commission (NAHC), which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery within 48 hours of notification. If the NAHC is unable to identify an MLD, the MLD fails to make a recommendation, or the landowner or his/her authorized representative rejects the recommendation, the human remains and associated items will be interred on the property with appropriate dignity in a location that will not be subject to future disturbance.

With these conditions in place, the Project remains eligible for a Categorical Exclusion (CE).

Reasons Why the Proposed Project is Exempt

The proposed Project is categorically exempt from the provisions of the CEQA pursuant to Section 15061(b)(3), Categorical Exemption (CE) Class 6, which states:

> *"Basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource."*

The investigation:

- Occurs in a fully developed urban ROW;
- Does not involve removal or trimming of trees or vegetation;
- Avoids sensitive cultural resources; and
- Is temporary and does not result in any permanent physical changes to the environment.

Categorical Exemption Exceptions
The proposed Project does not meet any of the exceptions to categorical exemptions listed in CEQA Section 15300.2. The analysis below identifies the exceptions and substantiates how the proposed Project does not meet those exceptions.

a) *Location. Classes 3, 4, 5, 6, and 11 are qualified by consideration of where the Project is to be located – a Project that is ordinarily insignificant in its impact on the environment may in a particularly sensitive environment be significant. Therefore, these classes are considered to apply in all instances, except where the Project may impact an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies.*

CEQA Guidelines state that Classes 3, 4, 5, 6, and 11 are qualified by consideration of where the Project is to be located—a Project that is ordinarily insignificant in its impact on the environment may, in a particularly sensitive environment, be significant. Therefore, these classes do not apply where a Project may impact an environmental resource of hazardous or critical concern that is designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies.



The proposed geotechnical investigation qualifies for a Class 6 exemption (basic data collection) and is entirely located within the urbanized public right-of-way (ROW) of the City of Palo Alto. As previously noted, Valley Water is the groundwater management agency responsible for overseeing boring and drilling activities within Santa Clara County.

All boring and cone penetration test locations are within paved city streets, not within or adjacent to designated or known environmentally sensitive areas, wetlands, or mapped critical habitats. Table 2 in **Attachment 4** indicates that while some species may potentially occur in the general area, their presence is unlikely due to the disturbed, built-up nature of the Project site. Additionally, Attachment 4 confirms that no wetlands would be impacted.

The proposed work consists solely of temporary subsurface exploration in previously disturbed areas. No habitat alteration, vegetation or tree removal, or water discharge will occur.

As discussed under Exception (e), the work will not take place on or near known hazardous waste sites. Therefore, this exception does not apply, and the proposed Project's location does not preclude the use of a Class 6 categorical exemption.

b) *Cumulative Impact. All exemptions for these classes are inapplicable when the cumulative impact of successive Projects of the same type in the same place, over time is significant.*

This exception applies when the cumulative impact of successive Projects of the same type in the same place over time may be significant. While the geotechnical investigation is being conducted to inform engineering design of the Grade Separation Project, the proposed boring and cone penetration test activities are limited in scope and are temporary in nature. They involve only short-term data collection and surface restoration (approximately 3 weeks) within the existing City of Palo Alto ROW.

No permanent infrastructure or facility modifications are proposed as part of this effort, and no physical operational changes to the roadways or rail corridor will result. The geotechnical borings are not recurring, nor do they represent part of a pattern of successive construction actions at the same locations over time.

Because this investigation is a one-time data collection effort, it does not contribute to a significant cumulative impact. Any future construction or operational impacts associated with the broader Grade Separation Project will be independently evaluated under separate CEQA documentation, once a preferred alternative is selected. Therefore, the cumulative impact exception under CEQA Guidelines §15300.2(b) does not apply, and the proposed Project remains eligible for a Class 6 exemption.

c) *Significant Effect. A categorical exemption shall not be used for an activity where there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances.*

The proposed Project sites are entirely within previously developed and disturbed urban roadway ROW in the City of Palo Alto, including segments of Churchill Avenue, Meadow Drive, Charleston Road, and intersecting residential streets such as Alma Street, Park Boulevard, and Coleridge Avenue; refer to **Attachment 2** for the specific boring and cone penetration test locations. The geotechnical borings and cone penetration tests are short-term, localized data collection activities with minimal surface disruption. All disturbed areas will be restored to City of Palo Alto and Valley Water standards upon completion.

There are no unusual environmental conditions at the proposed Project locations that would elevate the potential for significant environmental effects. Specifically:

- No tree or vegetation removal will be required, and no grading, or excavation beyond drilling for the boreholes is proposed. There will be no access, use, or work on previously undisturbed land.



- According to the FEMA Flood Insurance Rate Map (FIRM) No. 06085C0017H (05/18/2009) for the area, the proposed Project locations are within Zone X, indicating an area of minimal flood hazard for which no base flood elevations have been established.
- The proposed Project will not generate noise, air emissions, or hazardous materials beyond typical and short-term construction activities associated with pavement coring and drilling. Work hours will be limited to Monday to Friday 8am to 6pm, Saturday 9am to 6pm and work on Sundays and Holidays is prohibited.
- The Project site is not in proximity to federally designated wildlife refuges or preserves. The Don Edwards San Francisco Bay National Wildlife Refuge is the closest to the boring locations, located over 10 miles to the northeast, well outside the proposed Project's impact area.

In addition, no features or conditions of the proposed Project—such as location, scope, or method—suggest that it presents a reasonable possibility of causing a significant effect on the environment that would be considered unusual for a geotechnical investigation of this type.

Therefore, there are no unusual circumstances associated with the proposed Project, and this exception does not apply.

d) Scenic Highways. A categorical exemption shall not be used for a Project which may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a state scenic highway. This does not apply to improvements which are required as mitigation by an adopted negative declaration or certified EIR.

The proposed geotechnical investigation will occur entirely within existing paved roadway ROW in the urbanized areas of the City of Palo Alto, specifically along Churchill Avenue, Meadow Drive, Charleston Road, and intersecting streets such as Alma Street and Park Boulevard.

According to the California Department of Transportation (Caltrans) State Scenic Highway System, no portion of the proposed Project is located within or adjacent to an officially designated State Scenic Highway. The nearest officially designated segment is Interstate 280, located approximately 2.5 miles southwest of the Project site.[1] Due to the urban setting and intervening development, no scenic views or resources associated with I-280 or other eligible highways are visible from the proposed Project site and none of the affected roadways are part of the City's Scenic Route list or MAP L-4 of the City's General Plan Update.[2]

The geotechnical borings will not result in the removal of trees or vegetation, disturbance to scenic rock outcroppings, or alteration of any historically significant visual features. All disturbed surfaces will be restored to original condition upon completion of the boring activity.

Therefore, the proposed Project would not result in damage to scenic resources within a designated or eligible State Scenic Highway corridor, and this exception does not apply.

e) Hazardous Waste Sites. A categorical exemption shall not be used for a Project located on a site which is included on any list compiled pursuant to Section 65962.5 of the Government Code.

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1 California Department of Transportation. California State Scenic Highway System Map. https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aacaa. Accessed July 31, 2025.

2 City of Palo Alto. 2030. Palo Alto General Plan Update – Land Use Element. https://www.paloalto.gov/files/assets/public/v/4/planning-amp-development-services/3.-comprehensive-plan/comprehensive-plan/full-comp-plan-2030_with-dec19_22-amendments.pdf. Accessed July 31, 2025.



A review of the California Environmental Protection Agency (CalEPA) Cortese List, including the State Water Resources Control Board's GeoTracker database and the Department of Toxic Substances Control's (DTSC) EnviroStor database, confirms that none of the proposed geotechnical boring locations are situated on or directly adjacent to any listed hazardous waste site.

While there are several historic and closed Leaking Underground Storage Tank (LUST) cleanup sites within the general vicinity of the proposed Project sites—typical of developed urban environments—none of the boring or cone penetration test locations intersect with active cleanup sites or areas known to contain hazardous materials. Additionally:

- All boring locations are in previously disturbed paved roadways.
- The scope of investigation includes utility potholing and pre-marking, which ensures avoidance of unknown subsurface hazards.
- The boring depth (typically 50–60 feet) and number of locations is limited, and any potential unknown subsurface conditions would be managed in accordance with applicable health and safety regulations.

Since the proposed Project is not located on a site listed pursuant to Government Code §65962.5, this exception does not apply, and it remains eligible for a Class 6 categorical exemption.

f) Historical Resources. A categorical exemption shall not be used for a Project which may cause a substantial adverse change in the significance of a historical resource.

The proposed geotechnical investigation activities are limited to temporary borings and cone penetration testing conducted entirely within paved public ROWs in the City of Palo Alto, including along Churchill Avenue, Meadow Drive, Charleston Road, Alma Street, and intersecting local streets. No permanent improvements or structures are proposed as part of this work.

A review of publicly available records and the City of Palo Alto's Historic Resources Inventory indicates that certain properties in the general vicinity of the Churchill Avenue and Charleston corridors may be identified as historically significant structures or located within historic districts such as the Professorville Historic District and the Greenmeadow Historic District. [3] However:

- No boring or cone penetration test locations are proposed within the footprint of any listed historic districts, nor will any physical modifications be made to existing structures or parcels.
- The investigations are confined to roadway pavement and shoulders, avoiding curbs, trees, or infrastructure associated with potential historic properties.
- A CHRIS records search has been completed and documented in the CEQA file which confirms no conflicts exist between boring locations and previously recorded pre-historic or historic resources. Conditions have been imposed to ensure inadvertent historical or cultural discoveries are handled appropriately.
- All borings will be backfilled and restored per City of Palo Alto standards and Valley Water permit conditions, with no permanent visual, structural, or environmental effect on any potential or listed historic resources.

As such, the proposed Project will not cause a substantial adverse change in the significance of any historical resource, and this exception to the categorical exemption does not apply.

Conclusion

The geotechnical investigation to support the design of the Grade Separation Project is categorically exempt from CEQA under State CEQA Guidelines Section 15306, Class 6 – *Information Collection*. The proposed Project

[3] National Parks Service. 2025. National Register of Historic Places. National Register of Historic Places Polygons | ArcGIS Hub. Accessed August 4, 2025.



involves minor subsurface exploration activities, specifically borings and cone penetration tests, conducted entirely within paved City of Palo Alto ROW. The purpose of the investigation is to support environmental review and preliminary design analysis for potential future grade separation improvements, and does not entail construction, operational activities, or approval of any physical Project at this time.

The proposed Project qualifies for a Class 6 categorical exemption because it consists solely of:

- Basic data collection and resource evaluation activities;
- Limited-duration borings and cone penetration tests for engineering and environmental planning;
- No vegetation removal, grading, or new construction;
- No permanent physical environmental changes, aside from temporary pavement coring, all of which will be fully restored; and
- Work conducted entirely within previously disturbed and paved areas.

The proposed Project complies with all applicable provisions and conditions of approval outlined in City of Palo Alto Streetwork Permit No. E25-0106, including:

- Adherence to approved traffic control plans;
- Coordination with utility locators via DigAlert;
- Work-hour limitations;
- Daily cleanup and dust suppression; and
- Restoration of roadway surfaces to City standards.

Additionally, the proposed Project does not meet any of the exceptions to categorical exemptions listed under CEQA Guidelines §15300.2, as substantiated in the preceding sections:

- The proposed Project is not located in or near sensitive environmental resources or critical habitat (a).
- It does not result in a cumulative impact from successive similar Projects in the same location (b).
- There is no reasonable possibility of a significant effect due to unusual circumstances (c).
- The Project site is not within or adjacent to any officially designated scenic highway (d).
- The Project site is not on a list of hazardous waste sites compiled pursuant to Government Code §65962.5 (e).
- The activity does not impact or alter any historical resources (f).

Accordingly, the proposed Project also qualifies for the “common sense exemption” under CEQA Guidelines Section 15061(b)(3), which states that CEQA does not apply where it can be seen with certainty that the activity will not have a significant effect on the environment.

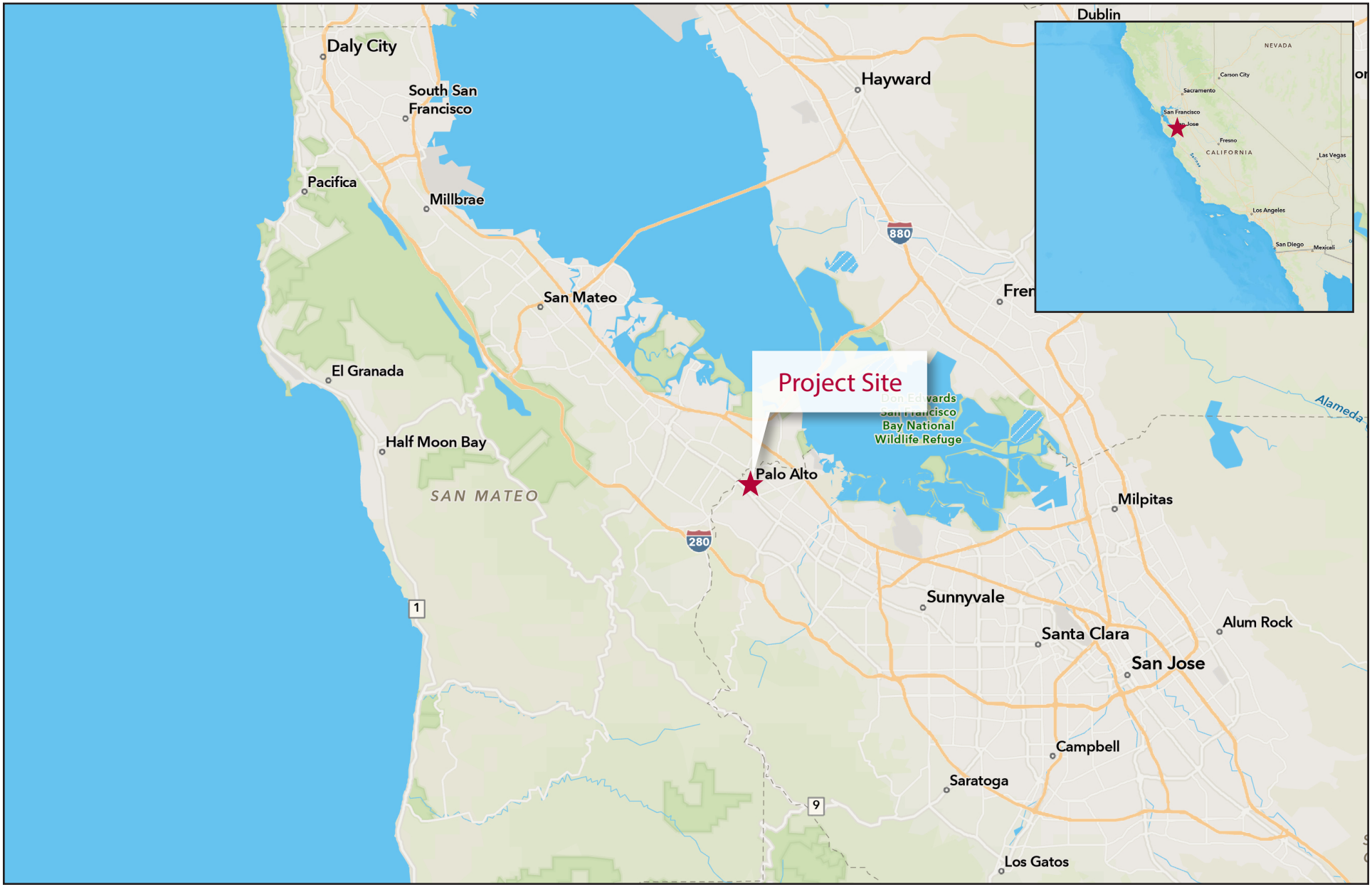
Therefore, based on the entire record, the proposed Project is categorically exempt under CEQA, and no further environmental review is required.

List of Figures
Figure 1 – Regional Location

List of Attachments
Attachment 1 - Traffic Control Plans
Attachment 2 - Valley Water Applications to Drill Exploratory Borings
Attachment 3 - Streetwork Permit No. E25-0106
Attachment 4 - California Natural Diversity Database (CNDDB) Records Search
Attachment 5 - Non-Confidential Class I Cultural Resources Records Search Memorandum



Figure 1 – Regional Location



SOURCE: ArcGIS, 2025

N.T.S.

FIGURE 1: Regional Location

CALTRAIN-PALO ALTO GRADE SEPARATION PROJECT

Kimley»Horn



Attachment 1 - Traffic Control Plans



AWP Safety

1(800)-343-2650
www.awpsafety.com

Project: Parikh - Alma St - Palo Alto, CA

Comments:
All signs & devices shall be placed in accordance with the latest provisions of California Manual for Uniform Traffic Control Devices (CAMUTCD) with respect to any applicable provisions from the City of Palo Alto.

Access to residential and commercial driveways to be maintained at all times. Parking ban shall be coordinated with the Palo Alto Police Department.

Date: 6/16/2025
Author: T. Herrick
TTCP:

Notes:
-Sign spacing may be adjusted to fit field conditions.
-Buffer space may be eliminated or modified to fit field conditions.
-Roads with no posted speed limit have been designed for 25 mph.
-Road Work Ahead signs shall be placed on all cross streets intersecting within the advance signing. The signs should be placed a minimum of 100 feet in advance of the intersection.

Legend

Work Area
Cone
Portable Sign Stand

PLANS ARE NOT TO SCALE

N



AWP Safety

1(800)-343-2650

www.awpsafety.com

Project: Parikh - Alma St - Palo Alto, CA

Comments:

All signs & devices shall be placed in accordance with the latest provisions of California Manual for Uniform Traffic Control Devices (CAMUTCD) with respect to any applicable provisions from the City of Palo Alto.

Access to residential and commercial driveways to be maintained at all times. Parking ban shall be coordinated with the Palo Alto Police Department.

Date: 6/16/2025

Author: T. Herrick

TTCP:

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Legend

Work Area

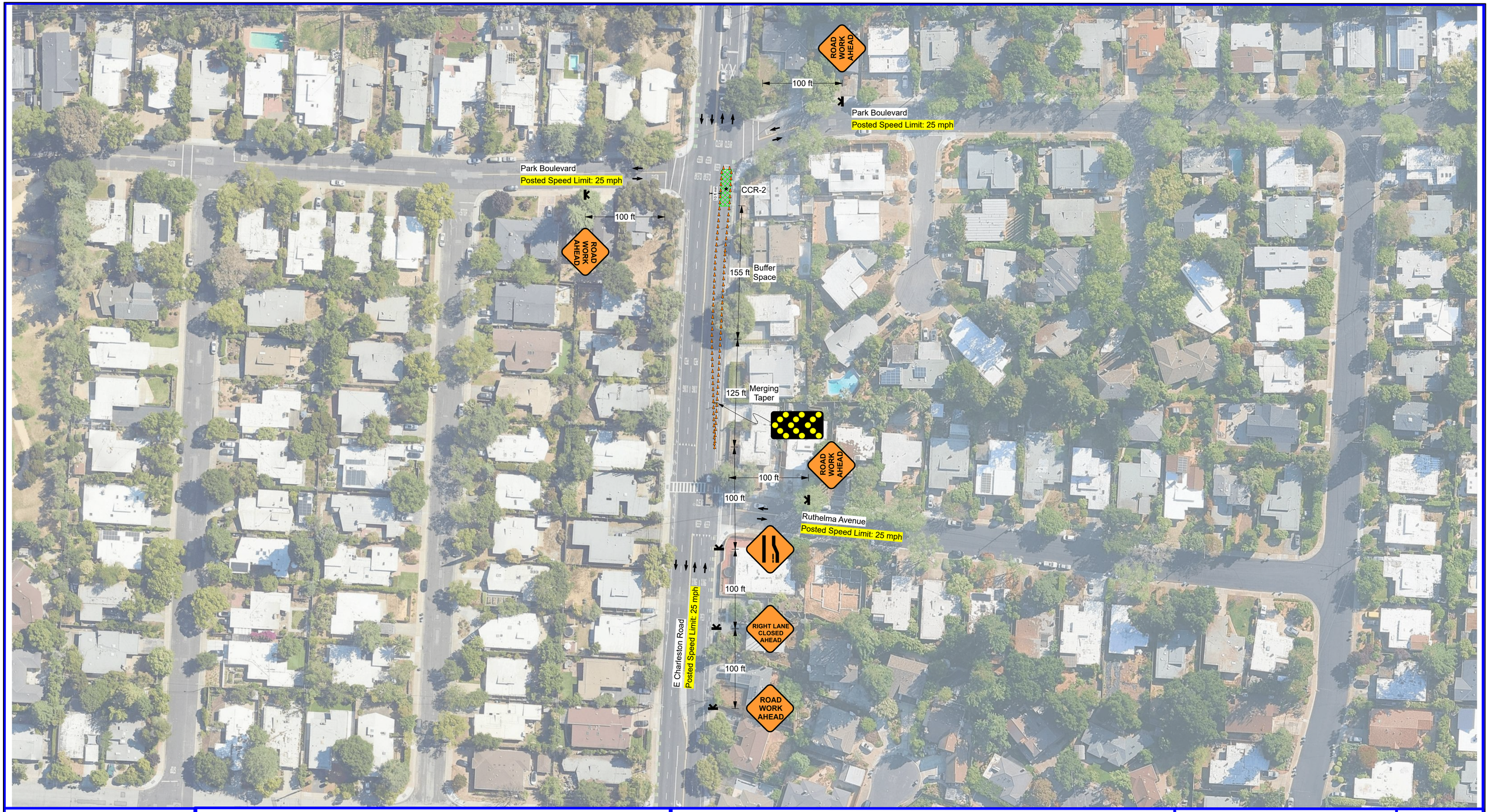
Cone

Portable Sign Stand

Arrow Board

PLANS ARE NOT TO SCALE

N



AWP Safety

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Project: Parikh - Alma St - Palo Alto, CA
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Legend

Work Area
Cone
Portable Sign Stand
Arrow Board

PLANS ARE NOT TO SCALE

N



AWP Safety

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www.awpsafety.com

Project: Parikh - Alma St - Palo Alto, CA
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Legend

Work Area
Cone
Portable Sign Stand
Arrow Board

PLANS ARE NOT TO SCALE

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www.awpsafety.com

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Legend

- Work Area
- Arrow Board
- Cone
- Portable Sign Stand

PLANS ARE NOT TO SCALE

N



AWP Safety

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www.awpsafety.com

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Legend

- Work Area
- Arrow Board
- Cone
- Portable Sign Stand

PLANS ARE NOT TO SCALE

N



AWP Safety
1(800)-343-2650
www.awpsafety.com

Project: Parikh - Alma St - Palo Alto, CA

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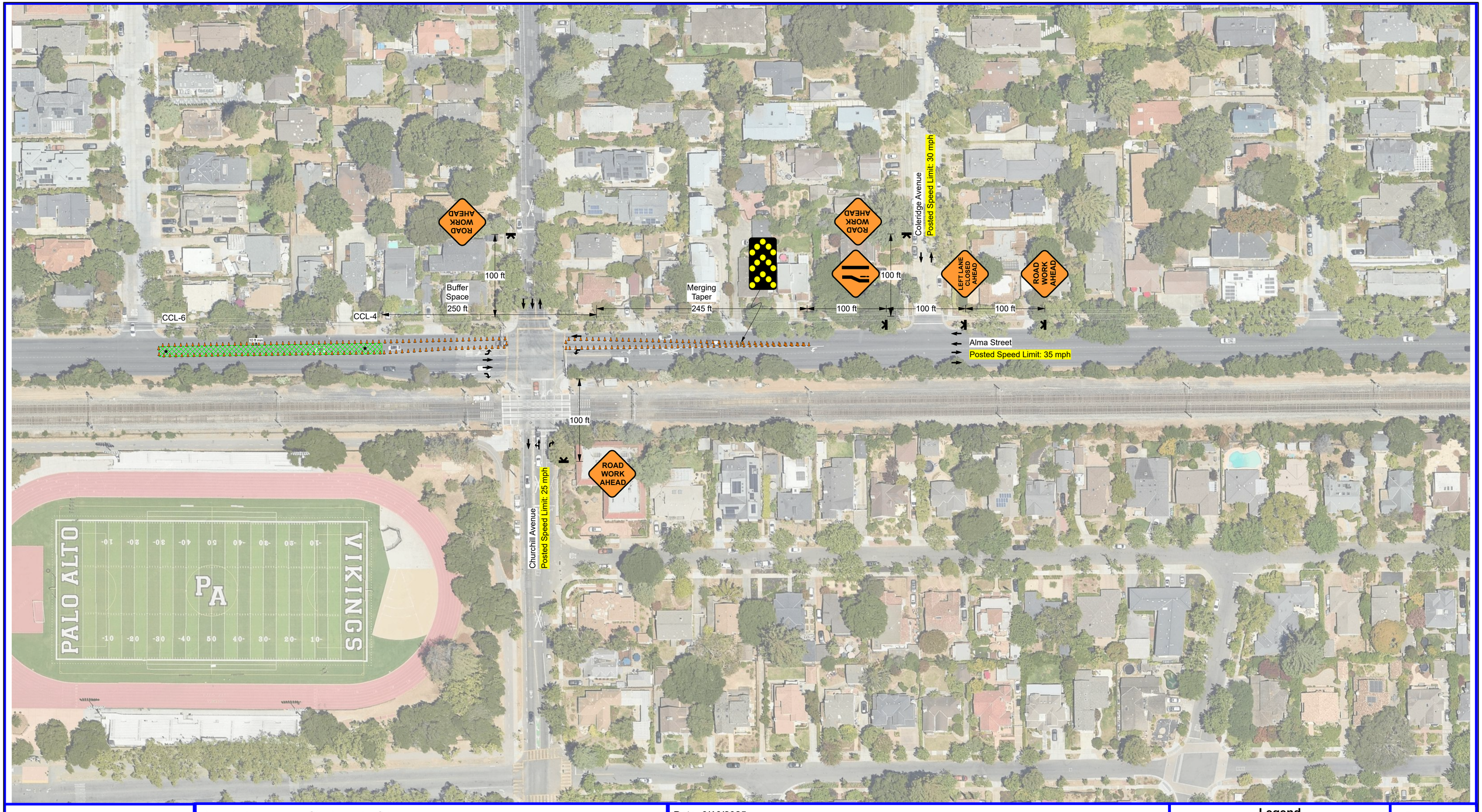
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Legend
Work Area
Cone
Portable Sign Stand

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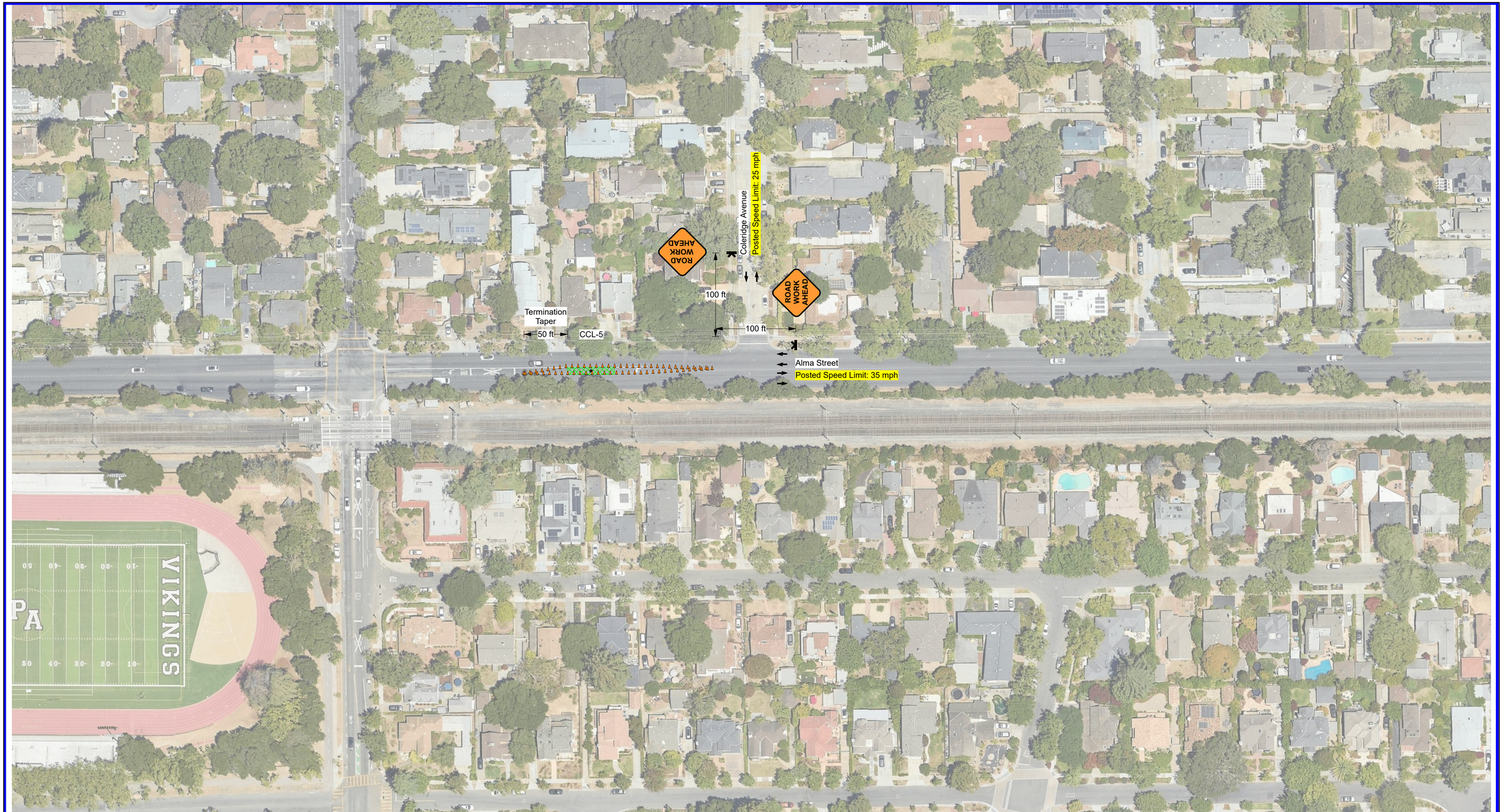
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Legend

- Work Area
- Arrow Board
- Cone
- Portable Sign Stand

PLANS ARE NOT TO SCALE

N



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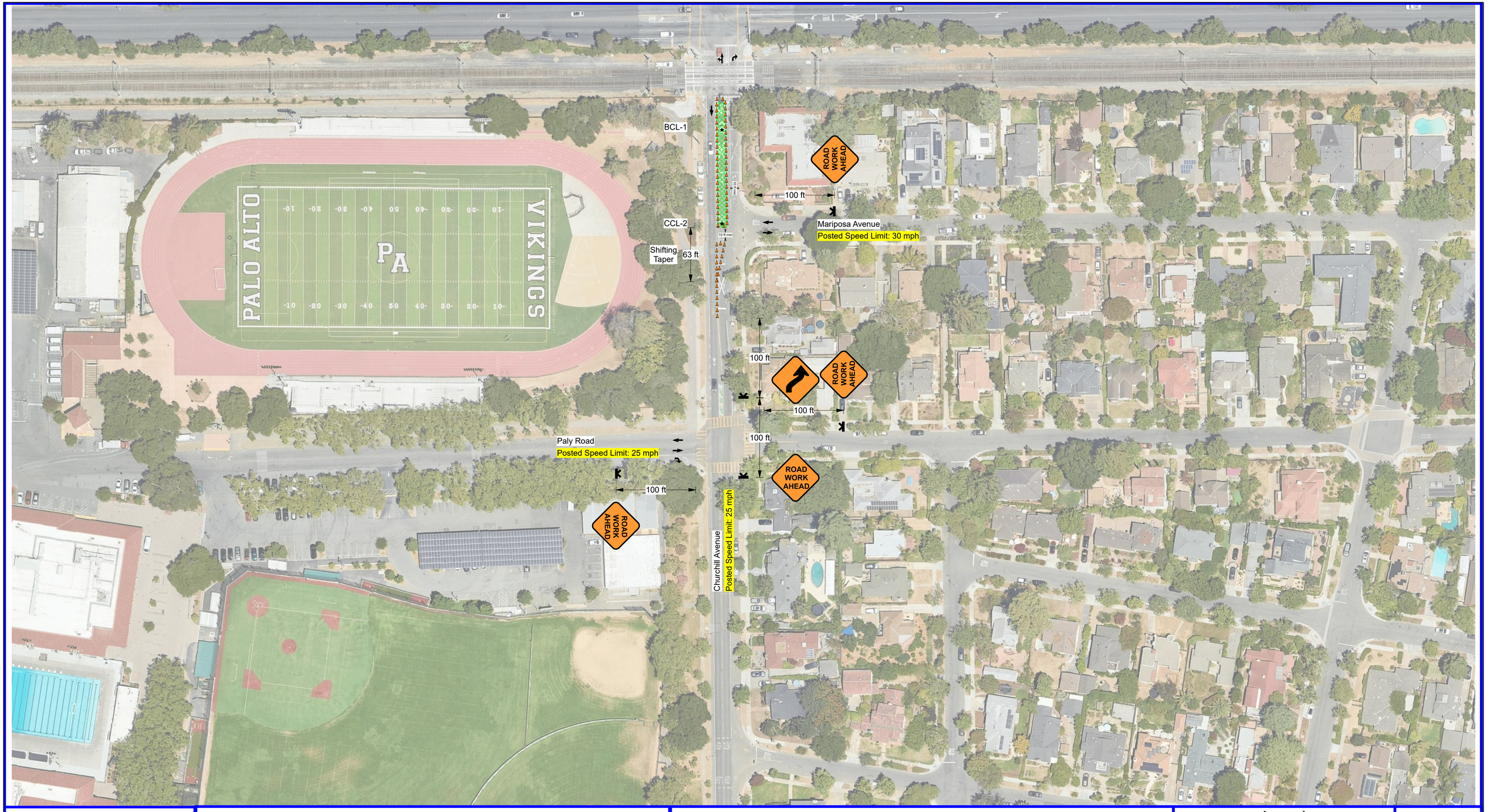
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Work Area
Cone
Portable Sign Stand

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N



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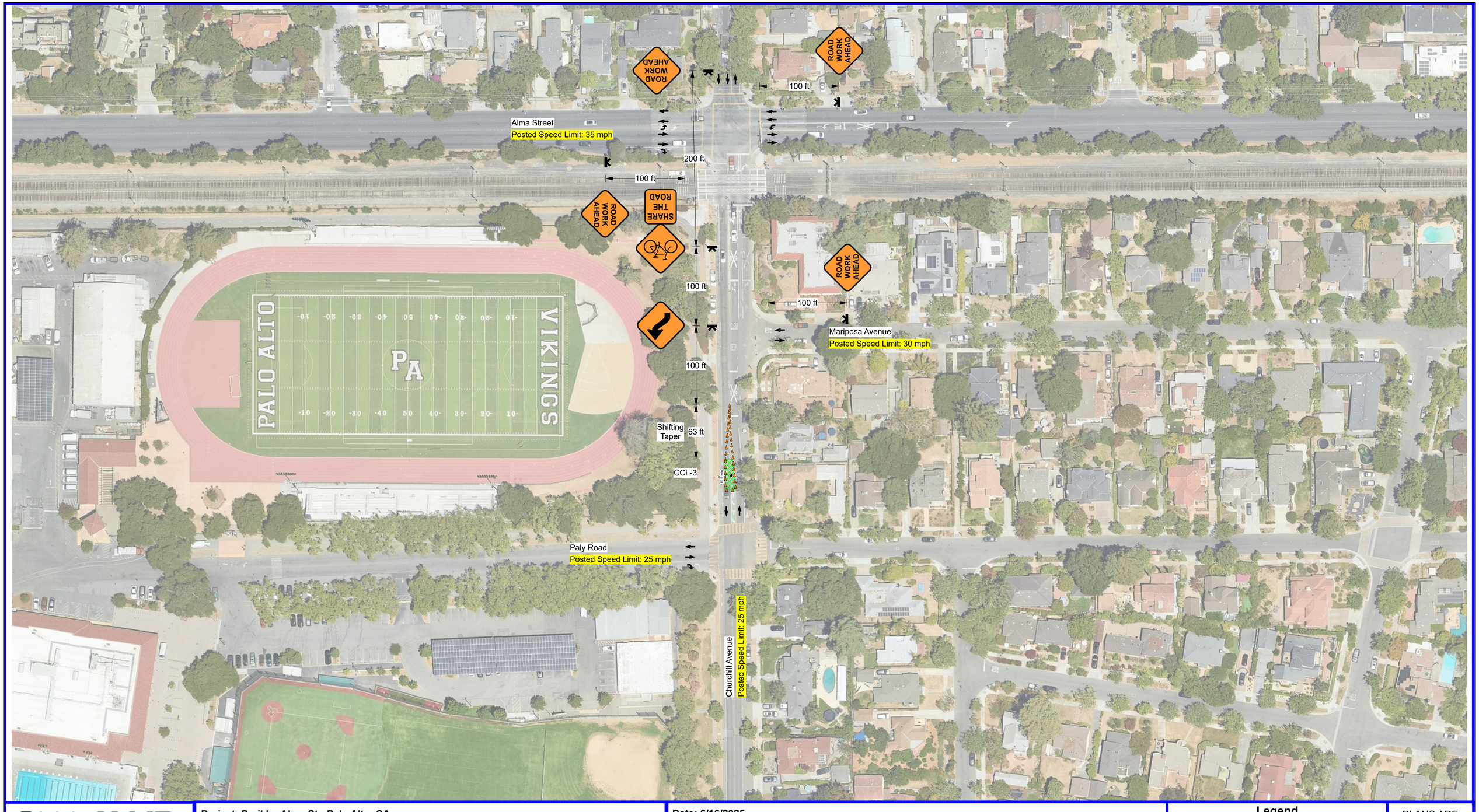
Work Area

Cone

Portable Sign Stand

PLANS ARE NOT TO SCALE

N



AWP Safety

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Legend
Work Area
Cone
Portable Sign Stand

PLANS ARE NOT TO SCALE

N



AWP Safety

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Legend
Work Area
Cone
Portable Sign Stand

PLANS ARE NOT TO SCALE

N



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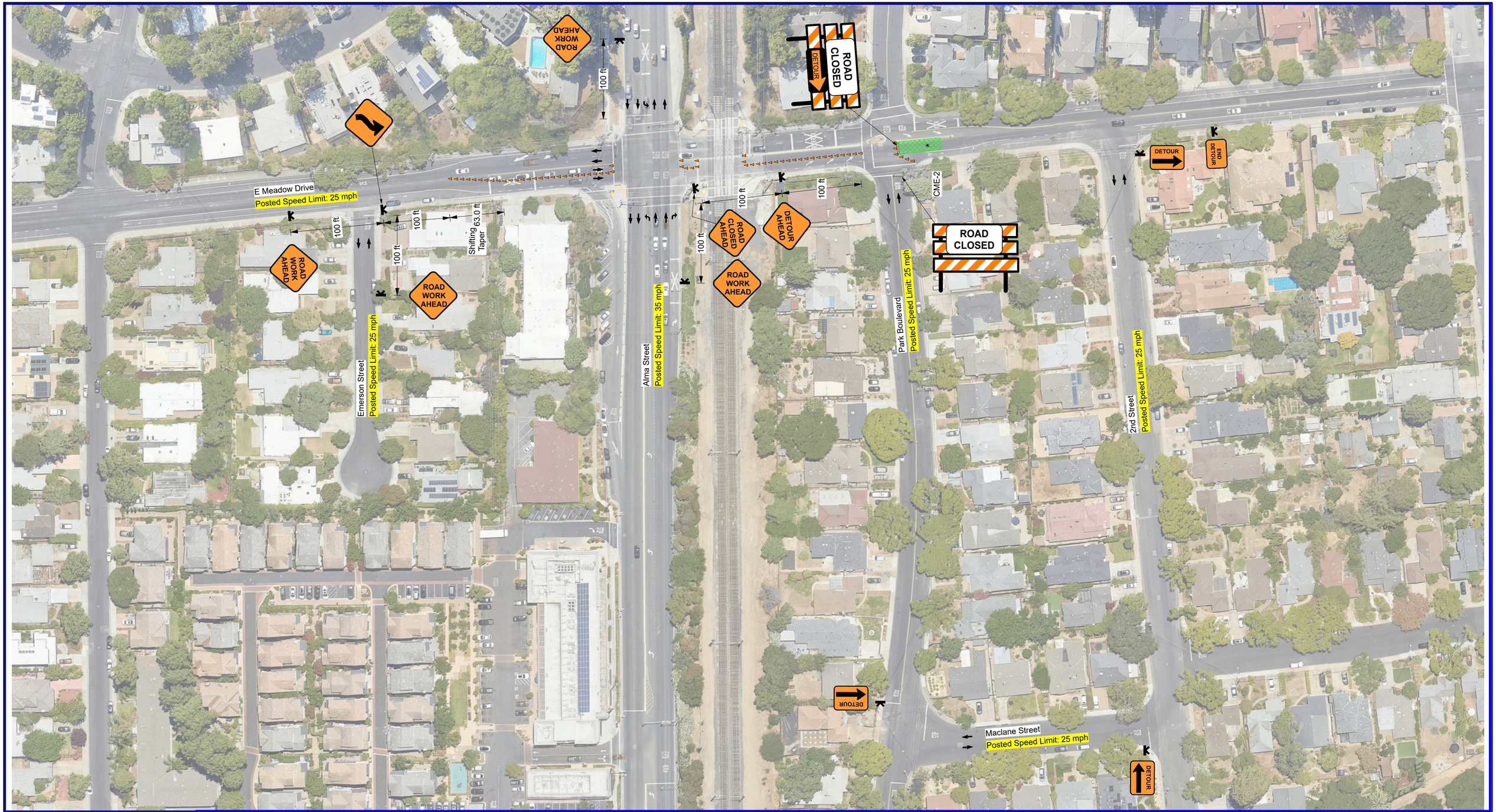
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Legend

Work Area
Cone
Portable Sign Stand
Arrow Board

PLANS ARE NOT TO SCALE

N



AWP Safety

1(800)-343-2650
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Legend

Work Area
Cone
Portable Sign Stand
Type III Barricade

PLANS ARE NOT TO SCALE

N

Docusign Envelope ID: E58447CC-F63C-41BD-9CEE-7CB064155508

Valley Water
5750 Almaden Expressway
San Jose, CA 95118-3686
(408) 265-2600

APPLICATION TO DRILL EXPLORATORY BORINGS

Date Issued: 7/15/2025	Expiration Date: 7/15/2026	Valley Water Permit No.: E25-0106
Client (if different from property owner): CITY OF PALO ALTO	Property Owner: City of Palo Alto	Name of Business/Residence at Site: Caltrain Crossing
Client's Address: City, State, Zip	Property Owner's Address: 250 Hamilton Ave. City, State, Zip Palo Alto, CA 94301	Address of Site: Caltrain crossings at Charleston Rd Crossing City, State, Zip Palo Alto, CA, 94306
Telephone No.:	Telephone No.: 650 329 2100	Assessor's Parcel No. of Site: Book 147 Page 30 Parcel 042

Consulting Company Name: Parikh Consultants, Inc	Drilling Company Name: Gregg Drilling, LLC	
Address: 1497 N Milpitas Blvd. City, State, Zip Milpitas, CA, 95035	Address: 2100 Goodyear Road City, State, Zip Benicia, CA 94510	
Telephone No.: 408 452 9000	Telephone No.: 925 313 5800	C-57/C-61 License No.: 1044456

In space at right, sketch location of proposed boring(s) in sufficient detail to identify location. In addition to distances to nearest street and intersection, show distances to any existing structures, landmarks, or topographic features.

How many borings will be installed on parcel?
1 boring & 4 CPTs (~60ft)

☐ Proposed borings on Valley Water property/easement (See General Condition F, page 2.)

☐ Within 50 feet of the top of a creek bank or Valley Water facility

Proposed depth of boring(s):

☒ 45 to 150 feet
☐ 151 to 300 feet
☐ Over 300 feet

NOTE: No permit is required for borings under 45 feet deep.

Boring Type:	Boring Use:
☐ Hollow stem	☒ Geotechnical Investigation
☒ Rotary	☐ Environmental Investigation
☒ CPT	☐ Material Emplacement
☐ Direct Push	☐ Sensor Emplacement
☐ Other:	☐ Other:

SITE PLAN
(Please draw accurately)

See attachment

*7/15 PER DAVID WANG CLIENT IS CITY OF PALO ALTO



SIGNATURES

I understand and agree that all work associated with this permit is required to be done in accordance with Santa Clara Valley Water District (Valley Water) Well Ordinance 90-1, Valley Water Well Standards, and conditions of this permit (see page 2). I certify that the information given in this permit is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid, and is affixed with the intent to be enforceable. I also certify that a right of entry/encroachment agreement has been formalized between the well owner and property owner, if parties differ. Property Owner/Agent: The Property Owner/Agent's signature below is made solely for the purpose of confirming and by its signature Property Owner/Agent represents that a Right of Entry Agreement has been entered into by and between the Property Owner/Agent and the USACE (the "ROE") for the sole purpose of allowing USACE to enter Property Owner/Agent's property to make exploratory borings. The ROE is attached hereto as Attachment No. 1. The Property Owner/Agent's signature on this permit does not represent an agreement to be subject to the permit conditions stated herein because the Property Owner/Agent is not a Permittee on this permit.

Signature of Property Owner/Agent: Signed by: Ria Hutabarat Lo D6E64D634F134CA...	Print/Type Name: Ria Hutabarat Lo	Date: 6/24/2025
Signature of Client/Agent: Roland Mouawad	Print/Type Name: Roland Mouawad	Date: 6/24/2025
Signature of Driller/Agent: Ian Wood	Print/Type Name: Ian Wood	Date: 6/19/25
Signature of Consultant/Agent: Y. David Wang	Print/Type Name: David Wang	Date: 6/19/25

Docusign Envelope ID: E58447CC-F63C-41BD-9CEE-7CB064155508

Valley Water
5750 Almaden Expressway
San Jose, CA 95118-3686
(408) 265-2600

APPLICATION TO DRILL EXPLORATORY BORINGS

IMPORTANT: A minimum 24-hour notice must be given to Valley Water's Well Ordinance Program prior to installing the annular seal. Call (408) 630-2660. Please allow 10 working days to process permit application.

GENERAL CONDITIONS

A. **Valley Water's Well Ordinance Program** (408-630-2660) **must be notified a minimum of one working day before the exploratory boring is backfilled**. An authorized Valley Water representative must be on site to witness the sealing operation. This requirement may be waived by an authorized Valley Water representative. If Valley Water waives the inspection requirement, Valley Water may request the permittee(s) to furnish certification under penalty of perjury that the seal was constructed in accordance with Valley Water Well Standards.

B. This permit is valid only for the purpose specified herein. Boring destruction methods authorized under this permit may not be changed except by written approval of an authorized Valley Water representative, and only if Valley Water believes that such a change will result in equal or superior compliance with Valley Water and State Well Standards (e.g., Valley Water representative finds that site conditions warrant such a change).

C. This permit is only valid for the Assessor's Parcel No. indicated on it.

D. This permit may be voided if it contains incorrect information.

E. Borings shall be sealed within 24 hours following completion of testing or sampling activities. Borings shall not be left in such a condition as to allow for the introduction of surface waters or foreign materials into them. Borings shall be secured such that they do not endanger public health.

F. If any work associated with this permit will take place on Valley Water property/easement, an encroachment or construction permit must be granted by the Valley Water's Community Projects Review Unit (telephone 408-630-2650).

G. The permittee(s) shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend, and hold Valley Water, its officers, agents, and employees, free and harmless from any and all expense, cost, and liability in connection with or resulting from the granting or exercise of this permit including, but not limited to, property damage, personal injury, and wrongful death.

H. Permittees are required to be in full compliance with Cal/OSHA California Labor Code Section 6300.

I. A current C-57 or C-61 (Subcategory D-09) Contractor's License is required for work associated with this permit.

J. Permittee, permittee's contractors, consultants, or agents shall be responsible to assure that all materials or waters generated during drilling, boring destruction, and/or other activities associated with this permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statues regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on- or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where the work is being completed.

K. The driller and consultants (if applicable) must maintain an active copy of their Certificate of Insurance on file that is effective for the duration of the permit and until the work on-site is complete. Any updates and time extensions to the COI must be provided to us prior to the start of any construction.

L. This permit shall expire if not executed within one (1) calendar year of its approval.

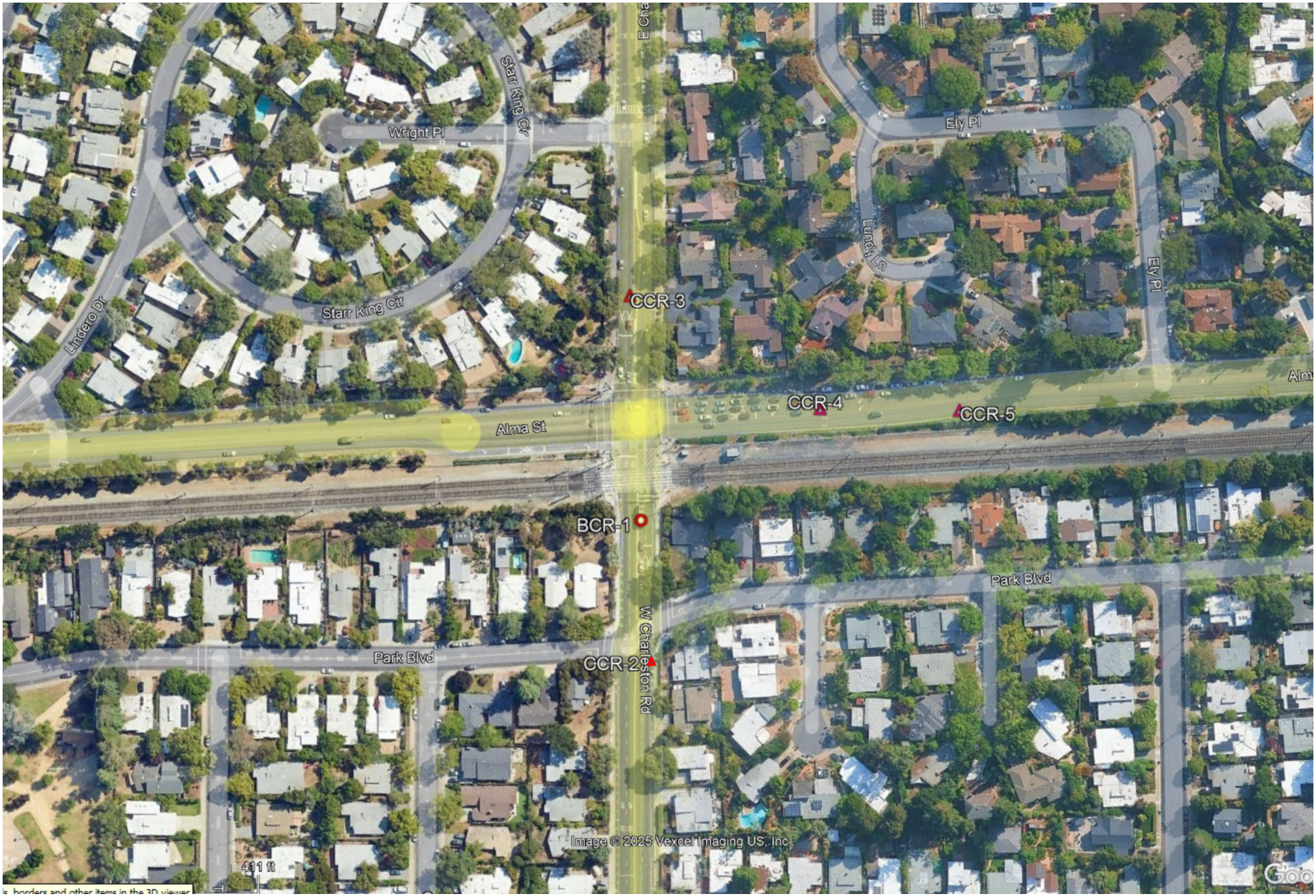
M. This permit shall be kept on site during all activities associated with it and shall immediately be presented to an authorized Valley Water representative upon request.

N. Permittee shall notify Underground Service Alert (USA) at 1-800-227-2600 or 811 prior to any digging.

Permit Approved by:	Date:
Belen Avalos	7/15/2025

Please allow 10 working days to process this application.

Docusign Envelope ID: E58447CC-F63C-41BD-9CEE-7CB064155508



Rotary wash boring (50'~60')

Cone Penetration Test (~60')

All exploration points are on City street, away from Caltrain R/W

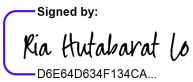
Charleston Rd Crossing

Certificate Of Completion

Envelope Id: E58447CC-F63C-41BD-9CEE-7CB064155508
Status: Completed
Subject: Complete with Docusign: Exploratory Boring Permit Application - Charleston Rd Crossing.pdf
Source Envelope:
Document Pages: 3
Signatures: 1
Envelope Originator:
Certificate Pages: 1
Initials: 0
Elizabeth Egli
AutoNav: Enabled
250 Hamilton Ave
EnvelopeId Stamping: Enabled
Palo Alto , CA 94301
Time Zone: (UTC-08:00) Pacific Time (US & Canada)
Elizabeth.Egli@PaloAlto.gov
IP Address: 199.33.32.254

Record Tracking

Status: Original
6/24/2025 1:41:45 PM
Holder: Elizabeth Egli
Elizabeth.Egli@PaloAlto.gov
Location: DocuSign
Security Appliance Status: Connected
Pool: StateLocal
Storage Appliance Status: Connected
Pool: City of Palo Alto
Location: Docusign

Signer Events	Signature	Timestamp
Ria Hutabarat Lo Ria.Lo@paloalto.gov Chief Transportation Official City of Palo Alto Security Level: Email, Account Authentication (None)	Signed by:  D6E64D634F134CA... Signature Adoption: Pre-selected Style Using IP Address: 165.225.242.108	Sent: 6/24/2025 1:42:57 PM Viewed: 6/24/2025 3:53:56 PM Signed: 6/24/2025 4:02:31 PM

Electronic Record and Signature Disclosure:
Not Offered via Docusign

In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	6/24/2025 1:42:57 PM
Envelope Updated	Security Checked	6/24/2025 3:22:01 PM
Envelope Updated	Security Checked	6/24/2025 3:22:01 PM
Certified Delivered	Security Checked	6/24/2025 3:53:56 PM
Signing Complete	Security Checked	6/24/2025 4:02:31 PM
Completed	Security Checked	6/24/2025 4:02:31 PM

Payment Events	Status	Timestamps

Docusign Envelope ID: 432174A7-3419-4BAC-8699-76AD39F0D970

Valley Water
5750 Almaden Expressway
San Jose, CA 95118-3686
(408) 265-2600

APPLICATION TO DRILL EXPLORATORY BORINGS

Date Issued: 7/15/2025	Expiration Date: 7/15/2026	Valley Water Permit No.: E25-0107
Client (if different from property owner): CITY OF PALO ALTO	Property Owner: City of Palo Alto	Name of Business/Residence at Site: Caltrain Crossing
Client's Address: City, State, Zip	Property Owner's Address: 250 Hamilton Ave. City, State, Zip Palo Alto, CA 94301	Address of Site: Caltrain crossings at Churchill Ave City, State, Zip Palo Alto, CA, 94306
Telephone No.:	Telephone No.: 650 329 2100	Assessor's Parcel No. of Site: Book 124 Page 16 Parcel 048

Consulting Company Name: Parikh Consultants, Inc	Drilling Company Name: Gregg Drilling, LLC	
Address: 1497 N Milpitas Blvd. City, State, Zip Milpitas, CA, 95035	Address: 2100 Goodyear Road City, State, Zip Benicia, CA 94510	
Telephone No.: 408 452 9000	Telephone No.: 925 313 5800	C-57/C-61 License No.: 1044456

In space at right, sketch location of proposed boring(s) in sufficient detail to identify location. In addition to distances to nearest street and intersection, show distances to any existing structures, landmarks, or topographic features.

How many borings will be installed on parcel?
1 boring & 5 CPTs (~60ft)

☐ Proposed borings on Valley Water property/easement (See General Condition F, page 2.)

☐ Within 50 feet of the top of a creek bank or Valley Water facility

Proposed depth of boring(s):

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☐ Over 300 feet

NOTE: No permit is required for borings under 45 feet deep.

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☐ Hollow stem	☒ Geotechnical Investigation
☒ Rotary	☐ Environmental Investigation
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☐ Other:	☐ Other:

SITE PLAN
(Please draw accurately)

See attachment

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SIGNATURES

I understand and agree that all work associated with this permit is required to be done in accordance with Santa Clara Valley Water District (Valley Water) Well Ordinance 90-1, Valley Water Well Standards, and conditions of this permit (see page 2). I certify that the information given in this permit is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid, and is affixed with the intent to be enforceable. I also certify that a right of entry/encroachment agreement has been formalized between the well owner and property owner, if parties differ. Property Owner/Agent: The Property Owner/Agent's signature below is made solely for the purpose of confirming and by its signature Property Owner/Agent represents that a Right of Entry Agreement has been entered into by and between the Property Owner/Agent and the USACE (the "ROE") for the sole purpose of allowing USACE to enter Property Owner/Agent's property to make exploratory borings. The ROE is attached hereto as Attachment No. 1. The Property Owner/Agent's signature on this permit does not represent an agreement to be subject to the permit conditions stated herein because the Property Owner/Agent is not a Permittee on this permit.

Signature of Property Owner/Agent: Signed by: Ria Hutabarat Lo D6E64D634F134CA...	Print/Type Name: Ria Hutabarat Lo	Date: 6/24/2025
Signature of Client/Agent: Roland Mouawad	Print/Type Name: Roland Mouawad	Date: 6/24/25
Signature of Driller/Agent: Ian Wood	Print/Type Name: Ian Wood	Date: 6/19/25
Signature of Consultant/Agent: Y. David Wang	Print/Type Name: David Wang	Date: 6/19/25

Docusign Envelope ID: 432174A7-3419-4BAC-8699-76AD39F0D970

Valley Water
5750 Almaden Expressway
San Jose, CA 95118-3686
(408) 265-2600

APPLICATION TO DRILL EXPLORATORY BORINGS

IMPORTANT: A minimum 24-hour notice must be given to Valley Water's Well Ordinance Program prior to installing the annular seal. Call (408) 630-2660. Please allow 10 working days to process permit application.

GENERAL CONDITIONS

A. **Valley Water's Well Ordinance Program** (408-630-2660) **must be notified a minimum of one working day before the exploratory boring is backfilled**. An authorized Valley Water representative must be on site to witness the sealing operation. This requirement may be waived by an authorized Valley Water representative. If Valley Water waives the inspection requirement, Valley Water may request the permittee(s) to furnish certification under penalty of perjury that the seal was constructed in accordance with Valley Water Well Standards.

B. This permit is valid only for the purpose specified herein. Boring destruction methods authorized under this permit may not be changed except by written approval of an authorized Valley Water representative, and only if Valley Water believes that such a change will result in equal or superior compliance with Valley Water and State Well Standards (e.g., Valley Water representative finds that site conditions warrant such a change).

C. This permit is only valid for the Assessor's Parcel No. indicated on it.

D. This permit may be voided if it contains incorrect information.

E. Borings shall be sealed within 24 hours following completion of testing or sampling activities. Borings shall not be left in such a condition as to allow for the introduction of surface waters or foreign materials into them. Borings shall be secured such that they do not endanger public health.

F. If any work associated with this permit will take place on Valley Water property/easement, an encroachment or construction permit must be granted by the Valley Water's Community Projects Review Unit (telephone 408-630-2650).

G. The permittee(s) shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend, and hold Valley Water, its officers, agents, and employees, free and harmless from any and all expense, cost, and liability in connection with or resulting from the granting or exercise of this permit including, but not limited to, property damage, personal injury, and wrongful death.

H. Permittees are required to be in full compliance with Cal/OSHA California Labor Code Section 6300.

I. A current C-57 or C-61 (Subcategory D-09) Contractor's License is required for work associated with this permit.

J. Permittee, permittee's contractors, consultants, or agents shall be responsible to assure that all materials or waters generated during drilling, boring destruction, and/or other activities associated with this permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statues regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on- or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where the work is being completed.

K. The driller and consultants (if applicable) must maintain an active copy of their Certificate of Insurance on file that is effective for the duration of the permit and until the work on-site is complete. Any updates and time extensions to the COI must be provided to us prior to the start of any construction.

L. This permit shall expire if not executed within one (1) calendar year of its approval.

M. This permit shall be kept on site during all activities associated with it and shall immediately be presented to an authorized Valley Water representative upon request.

N. Permittee shall notify Underground Service Alert (USA) at 1-800-227-2600 or 811 prior to any digging.

Permit Approved by:	Date:
Belen Avalos	7/15/2025

Please allow 10 working days to process this application.

Docusign Envelope ID: 432174A7-3419-4BAC-8699-76AD39F0D970



Rotary wash boring (50'~60')

Cone Penetration Test (~60')

All exploration points are on City street, away from Caltrain R/W

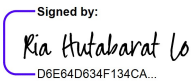
Churchill Ave Crossing

Certificate Of Completion

Envelope Id: 432174A7-3419-4BAC-8699-76AD39F0D970
Status: Completed
Subject: Complete with Docusign: Exploratory Boring Permit Application - Churchill Ave Crossing.pdf
Source Envelope:
Document Pages: 3
Signatures: 1
Envelope Originator:
Certificate Pages: 1
Initials: 0
Elizabeth Egli
AutoNav: Enabled
250 Hamilton Ave
EnvelopeId Stamping: Enabled
Palo Alto , CA 94301
Time Zone: (UTC-08:00) Pacific Time (US & Canada)
Elizabeth.Egli@PaloAlto.gov
IP Address: 199.33.32.254

Record Tracking

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6/24/2025 1:40:33 PM
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Elizabeth.Egli@PaloAlto.gov
Location: DocuSign
Security Appliance Status: Connected
Pool: StateLocal
Storage Appliance Status: Connected
Pool: City of Palo Alto
Location: Docusign

Signer Events	Signature	Timestamp
Ria Hutabarat Lo Ria.Lo@paloalto.gov Chief Transportation Official City of Palo Alto Security Level: Email, Account Authentication (None)	Signed by:  D6E64D634F134CA... Signature Adoption: Pre-selected Style Using IP Address: 165.225.242.108	Sent: 6/24/2025 1:41:38 PM Viewed: 6/24/2025 4:03:53 PM Signed: 6/24/2025 4:04:02 PM

Electronic Record and Signature Disclosure:
Not Offered via Docusign

In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

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Completed	Security Checked	6/24/2025 4:04:02 PM

Payment Events	Status	Timestamps

Docusign Envelope ID: 71FF1281-6FA5-4E58-9ABD-1453AB3FA62E

Valley Water
5750 Almaden Expressway
San Jose, CA 95118-3686
(408) 265-2600

APPLICATION TO DRILL EXPLORATORY BORINGS

FC 285 (04-23-2025)

Date Issued: 7/15/2025	Expiration Date: 7/15/2026	Valley Water Permit No.: E25-0108
Client (if different from property owner): CITY OF PALO ALTO	Property Owner: City of Palo Alto	Name of Business/Residence at Site: Caltrain Crossing
Client's Address: City, State, Zip	Property Owner's Address: 250 Hamilton Ave. City, State, Zip Palo Alto, CA 94301	Address of Site: Caltrain crossings at Meadow Dr Crossing City, State, Zip Palo Alto, CA, 94306
Telephone No.:	Telephone No.: 650 329 2100	Assessor's Parcel No. of Site: Book 132 Page 28 Parcel 078

Consulting Company Name: Parikh Consultants, Inc	Drilling Company Name: Gregg Drilling, LLC	
Address: 1497 N Milpitas Blvd. City, State, Zip Milpitas, CA, 95035	Address: 2100 Goodyear Road City, State, Zip Benicia, CA 94510	
Telephone No.: 408 452 9000	Telephone No.: 925 313 5800	C-57/C-61 License No.: 1044456

In space at right, sketch location of proposed boring(s) in sufficient detail to identify location. In addition to distances to nearest street and intersection, show distances to any existing structures, landmarks, or topographic features.

How many borings will be installed on parcel?
1 boring & 4 CPTs (~60ft)

☐ Proposed borings on Valley Water property/easement (See General Condition F, page 2.)

☐ Within 50 feet of the top of a creek bank or Valley Water facility

Proposed depth of boring(s):

☒ 45 to 150 feet
☐ 151 to 300 feet
☐ Over 300 feet

NOTE: No permit is required for borings under 45 feet deep.

Boring Type:	Boring Use:
☐ Hollow stem	☒ Geotechnical Investigation
☒ Rotary	☐ Environmental Investigation
☒ CPT	☐ Material Emplacement
☐ Direct Push	☐ Sensor Emplacement
☐ Other:	☐ Other:

SITE PLAN
(Please draw accurately)

See attachment

*7/15 PER DAVID WANG CLIENT IS CITY OF PALO ALTO



SIGNATURES

I understand and agree that all work associated with this permit is required to be done in accordance with Santa Clara Valley Water District (Valley Water) Well Ordinance 90-1, Valley Water Well Standards, and conditions of this permit (see page 2). I certify that the information given in this permit is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid, and is affixed with the intent to be enforceable. I also certify that a right of entry/encroachment agreement has been formalized between the well owner and property owner, if parties differ. Property Owner/Agent: The Property Owner/Agent's signature below is made solely for the purpose of confirming and by its signature Property Owner/Agent represents that a Right of Entry Agreement has been entered into by and between the Property Owner/Agent and the USACE (the "ROE") for the sole purpose of allowing USACE to enter Property Owner/Agent's property to make exploratory borings. The ROE is attached hereto as Attachment No. 1. The Property Owner/Agent's signature on this permit does not represent an agreement to be subject to the permit conditions stated herein because the Property Owner/Agent is not a Permittee on this permit.

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Docusign Envelope ID: 71FF1281-6FA5-4E58-9ABD-1453AB3FA62E

Valley Water
5750 Almaden Expressway
San Jose, CA 95118-3686
(408) 265-2600

APPLICATION TO DRILL EXPLORATORY BORINGS

IMPORTANT: A minimum 24-hour notice must be given to Valley Water's Well Ordinance Program prior to installing the annular seal. Call (408) 630-2660. Please allow 10 working days to process permit application.

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A. **Valley Water's Well Ordinance Program** (408-630-2660) **must be notified a minimum of one working day before the exploratory boring is backfilled**. An authorized Valley Water representative must be on site to witness the sealing operation. This requirement may be waived by an authorized Valley Water representative. If Valley Water waives the inspection requirement, Valley Water may request the permittee(s) to furnish certification under penalty of perjury that the seal was constructed in accordance with Valley Water Well Standards.

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Permit Approved by:	Date:
Belen Avalos	7/15/2025

Please allow 10 working days to process this application.

Docusign Envelope ID: 71FF1281-6FA5-4E58-9ABD-1453AB3FA62E



Rotary wash boring (50'~60')

Cone Penetration Test (~60')

All exploration points are on City street, away from Caltrain R/W

Meadow Dr Crossing

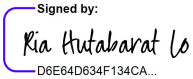
Certificate Of Completion

Envelope Id: 71FF1281-6FA5-4E58-9ABD-1453AB3FA62E
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Source Envelope:
Document Pages: 3
Signatures: 1
Certificate Pages: 1
Initials: 0
AutoNav: Enabled
EnvelopeId Stamping: Enabled
Time Zone: (UTC-08:00) Pacific Time (US & Canada)

Envelope Originator:
Elizabeth Egli
250 Hamilton Ave
Palo Alto , CA 94301
Elizabeth.Egli@PaloAlto.gov
IP Address: 199.33.32.254

Record Tracking

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Elizabeth.Egli@PaloAlto.gov
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Pool: City of Palo Alto
Location: Docusign

Signer Events	Signature	Timestamp
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Electronic Record and Signature Disclosure:
Not Offered via Docusign

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Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

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Certified Delivered	Security Checked	6/24/2025 4:03:03 PM
Signing Complete	Security Checked	6/24/2025 4:03:37 PM
Completed	Security Checked	6/24/2025 4:03:37 PM

Payment Events	Status	Timestamps

PUBLIC WORKS
Engineering Services Division

CITY OF PALO ALTO

250 Hamilton Avenue, 6th Floor
Palo Alto, CA 94301
650.329.2295

PERMIT NUMBER: _____

STREETWORK PERMIT

Type of Construction: ☐ Sidewalk ☐ Curb & Gutter ☐ Driveway Approach ☐ Utilities ☑ Other Geotech Exploration (boring&C
☐ Telecom (Is company on City's approved list of providers? If not, provide CLEC/CPCN/WIRN #) _____

Location(s) of Work (list all streets): Caltrain crossings at Churchill Ave, Medow Dr, and Charleston Rd

Permittee: Parikh Consultants, Inc. (David Wang, PhD, PE, Sen. Principal)

Address: 1497 N. Milpitas Blvd., Milpitas, CA 95035

Contractor's License Number: C 52911 **Phone:** (408) 452-9000

Email: dwang@parikhnet.com

Expected Start Date: July 2025 (estimate, pending other permitting process) **Expected Completion Date:** (estimate 2-3 weeks field work)

Cost Estimate of Work in Public Right-of-Way	Quantity Estimate	Cost Estimate
Curb & Gutter	_____ Linear feet	_____
Sidewalk	_____ Square feet	_____
Driveway Approach	_____ Square feet	_____
Pavement	_____ Square feet	_____
Utilities	_____ Linear feet	_____
Telecom	_____ Linear feet	_____
Other	3 borings & ~13 CPTs (~60')	~ $ 117,740

Insurance Certificate Required; see **WEBSITE** for requirements **Total Cost** $ 118

Permittee affirms that the facts stated hereon are true and agrees that they, their agents, employees and contractors shall perform all work described hereon in conformance with ordinances and standard specifications of the City of Palo Alto, all pertinent State laws and to the plans and specifications approved by the City Engineer. The work allowed in this permit shall be performed by an appropriately licensed contractor as required in the Palo Alto Municipal Code. The Permittee shall pay the cost of all soils investigation and compaction tests, and shall reimburse the City for any services provided as may be required by the City Engineer, Utilities Department or Police Department. Permittee further agrees to hold the City of Palo Alto, it's officers, agents, and employees harmless from all costs and damages which might arise from the Permittee's use or occupancy of the public right-of-way. The Permittee also agrees to maintain required insurance coverage through the closure of the permit and sign off by the Public Works Inspector. This permit is subject to all attached conditions made part of the permit document and may be revoked at any time for violation of any of these conditions.

Permittee Signature	David Wang, PhD, PE	5/22/2025
	Print Name	Date

Work Satisfactorily Completed: Inspector_____ Date:_____

*****All applications, plans, and supporting documents are to be submitted electronically through our Palo Alto Online Permitting System (OPS). Please see our WEBSITE for instructions on how to submit your application.*****

For inspection call the Public Works Inspector @ (650) 496-6929
-- Provide minimum one working day advance notice --

PUBLIC WORKS
Engineering Services Division

250 Hamilton Avenue, 6th Floor
Palo Alto, CA 94301
650.329.2295

PERMIT NUMBER: _____

GENERAL CONDITIONS

TABLE OF CONTENTS

A. GENERAL
B. PRIOR TO STARTING WORK
C. NOISE AND WORK HOURS
D. TRAFFIC CONTROL
E. HOUSEKEEPING
F. SITE RESTORATION
G. PRIOR TO PERMIT FINAL

A. GENERAL

1. Work location and configuration shall be in accordance with attached plans or as further directed by City's Public Works Inspector*.

2. Permittee shall maintain liability insurance to the satisfaction of City's Risk Manager and shall provide City's Public Works Engineering Department with current insurance certificates documenting that said insurance is in effect from the time this permit is issued until it is closed.

3. All activities and construction shall conform to City's standards, specifications and the California Manual on Uniform Traffic Control Devices (CAMUTCD), and as further directed by this permit.

4. Permittee is responsible for obtaining any other permits required by the City of Palo Alto or any other governmental or quasi-governmental agency.

   Note: The permittee must obtain parking permits from the City's Transportation Division if any activities will restrict public access to designated parking spaces within the University Avenue or California Avenue Parking Assessment Districts, or in time-limited parking areas near Stanford Hospital.

5. The permittee must ensure that existing City trees are not damaged in any way. If any damage does occur, it must be reported immediately to the City Arborist. Tree protection within the work area must comply with the Public Works Department Standard Detail #605.

B. PRIOR TO STARTING WORK

1. The Permittee shall be responsible for the identification and location of all utilities, both public and private. Permittee shall contact Underground Service Alert (USA) at (800) 642-2444 at least 48 hours prior to beginning excavation work.

2. City's Public Works Inspector* shall be contacted at least 48 hours (two working days) prior to start of work.

3. If the Contractor needs to post "No Parking - Tow Away" signs, a three-day advance notification to the Palo Alto Police Department is required prior to date of construction activity.

4. All appropriate traffic control measures shall be in place, as detailed in the approved traffic control plan, prior to beginning work and to the satisfaction of the Public Works Inspector*.

C. NOISE AND WORK HOURS

1. Permittee shall comply to the City's Noise Abatement Ordinance and Construction Hours, detailed in Chapter 9.10 of the Palo Alto Municipal Code.

2. Construction hours are listed below:

Monday to Friday	8am to 6pm
Saturday	9am to 6pm
Sundays and Holidays	Prohibited

   Any construction outside these hours will require a Noise Exception Permit from the Chief Building Official.

3. Lane Closure Hours: See approved Traffic Control Plan and/or Special Provisions.

4. The use of amplified music or other sound in the work area is not permitted during the performance of the work in this permit.

D. TRAFFIC CONTROL

1. Lane Closure Hours: See approved Traffic Control Plan and/or Special Provisions.

2. Traffic control must in accordance with the California Manual on Uniform Traffic Control Devices (CAMUTCD) and the approved traffic control plan and conditions. Any modifications made to the approved plan must be approved by Public Works Engineering.

3. The Contractor shall supply, place and maintain all necessary traffic control devices in accordance with the California Manual on Uniform Traffic Control Devices (CAMUTCD). Traffic barricades and cones shall conform to Caltrans Standard Specifications Sections 12-3.02 and 12-3.10.

4. The Contractor shall provide one working flasher for each barricade and shall insure that each flasher is maintained in working condition while in use.

5. Advance signs must be placed in locations that ensure they are clearly visible to approaching traffic. These signs should be removed promptly when they are no longer needed.

6. The construction activity must always be separated from the traveled roadway using cones that meet the specified standards above.

PUBLIC WORKS
Engineering Services Division

250 Hamilton Avenue, 6th Floor
Palo Alto, CA 94301
650.329.2295

PERMIT NUMBER: _____

GENERAL CONDITIONS

7. The Contractor shall not remove the barricades in the street at any given location until the asphalt concrete patching adjacent to the gutter and/or gutter overlay has been done and the hazard to bicyclists and motorists no longer exists.

8. Any hazardous conditions left during non-working hours shall be barricaded and marked with flashers; any such protection in a traveled portion of a vehicular or pedestrian right-of-way shall be done in a manner approved in the California Manual on Uniform Traffic Control Devices (CAMUTCD).

9. Traffic striping, legends, markers, and signage destroyed during construction activities shall be temporarily replaced prior to the release of the street to the public. The work of permanent restoration of the above shall be diligently pursued.

10. All traffic control measures are subject to the approval of the Public Works Inspector and Palo Alto Police Department. If the traffic control measures are unacceptable, the Palo Alto Police Department may take over the traffic control at the expense of the Permittee/Contractor.

E. HOUSEKEEPING

1. No stockpiling of materials, spoils or equipment is permitted in the public right-of-way unless specifically permitted in this permit.

2. All work areas shall be swept clean at the end of each workday and at other times when directed by the Public Works Inspector. A mobile street sweeper shall be used wherever practical.

3. Dust control shall be implemented to the satisfaction of the Public Works Inspector*.

4. The Contractor shall remove all forms, debris and undesirable material from the job site at the end of each workday.

5. Spillage resulting from hauling operations along or across any public traveled way shall be removed immediately by the Permittee/Contractor at his expense.

6. It is unlawful to discharge construction debris (soil, concrete, asphalt, sawcut slurry, paint, chemicals, etc.) or other waste materials into gutters or storm drains. The Permittee/Contractor shall incorporate best management practices (BMP's) for stormwater pollution prevention into all construction operations. Typical BMP's can be obtained from Public Works staff or the following link: https://www.cityofpaloalto.org/files/assets/public/v/1/public-works/engineering-services/webpages/forms-and-permits/rwq_stormwater_plansheet_final_bw.pdf

7. Potable water for consolidation of backfill and other non-domestic uses in construction shall not be used. The Palo Alto Regional Water Quality Control Plant (RWQCP) will permit and provide reclaimed water to contractors and landscapers. It is located at 2501 Embarcadero Way. There may also be active dewatering projects from which water can be obtained. Check with Public Works staff for locations.

F. SITE RESTORATION

1. The permittee is responsible for repairing, restoring, or replacing any private and City facilities damaged due to their activities. Restoration of City facilities must comply with City standard specifications and any other requirements specified by this permit. The permittee must notify the City's Public Works Inspector* 48 hours (two working days) before beginning restoration activities. Additional permits may be required for the restoration work. Repairs to private facilities must meet the owner's requirements.

2. Unless otherwise authorized by the Public Works Inspector*, all construction, including restoration, shall be completed within 15 working days from start of work at any specific location.

G. PRIOR TO PERMIT FINAL

1. Permittee shall remove all debris and clean up the work area at completion of permitted activities.

2. On the final day of work under this permit, the permittee must notify the Public Works Inspector* to conduct the necessary inspections. The permittee remains responsible and liable for the work performed and any structures erected until the permit is officially closed. Permit closure occurs when the Public Works Inspector* signs the "Work Completed" section on the front of the permit.

3. The Contractor shall be responsible for the complete removal of all markings used in the design and execution of the permitted work. This includes all marking associated with the identifying of existing utilities by Underground Service Alert. This removal shall be performed by a method approved by Public Works-Engineering.

* **Public Works Inspector (650) 496-6929**

PUBLIC WORKS
Engineering Services Division

250 Hamilton Avenue, 6th Floor
Palo Alto, CA 94301
650.329.2295

PERMIT NUMBER: _____

SPECIAL PROVISIONS

1. **PERMIT EXPIRATION:**
   - **The approved permit is valid for six months from the date of issuance.**
   - **If the permit is not finalized by the end of the six months, a new permit and/or additional fees will be required.**

2. Permittee shall provide the City evidence of Personal Injury and Property Damage insurance in a form acceptable to the CPA Risk Manager, in the minimum amounts of $1,000,000 each for personal injury and property damage or else as indicated below. Said insurance shall name the City of Palo Alto, its officers and employees as an additional insured and shall be primary insurance with any City insurance being excess only. Said insurance shall be maintained so long as this permit/lease* remains in force, and evidence of said current insurance and subsequent renewals shall be submitted to the City of Palo Alto, Public Works Engineering Division.

   ☐ ALTERNATE COVERAGE REQUIRED:

   $ (408) 452-9000 ,000 Personal injury

   $ 3 borings & ~13 CPTs (~60') ,000 Property damage

3. Encroachment, construction or use shall not extend beyond the area identified and specified as part of this permit/lease.
4. Encroachment shall not restrict visibility to any traffic control devices or signs.
5. No encroachment is permitted in exclusive bike lanes (where parking is not permitted); bus stops, or "no parking zones" unless specifically authorized within this permit.
6. Encroachment shall not block or cover access to any utility pole, manhole, vault, cleanout, valve, junction or meter box.
7. Permittee shall maintain encroaching or constructed facility and/or the property in a good and safe condition.
8. Construction shall be in conformance with plans approved by the City.
9. Whenever construction, reconstruction or maintenance work to City facilities requires relocation or modification of the encroachment, construction or use, such relocation or modification work shall be done by Permittee at Permittee's sole expense.
10. Permittee shall assure adequate visibility of encroachment, construction or use during daytime and nighttime hours.
11. Permittee shall conform to all requirements of the California Manual on Uniform Traffic Control Devices (CAMUTCD), as applicable.
12. The Permittee is required to maintain any underground facilities listed with Underground Service Alert (USA). When requested, the Permittee is responsible to mark out appropriately all underground facilities described in this permit.
13. Any public and/or private improvements damaged by the encroaching activities must be repaired or replaced in-kind to the satisfaction of the improvement owner and at Permittee expense.
14. All dumpsters used in this permitted encroachment are required to be ordered through the City's contracted collector for waste disposal services.
15. In addition to this permit, Permittee shall obtain the following permits:

16. OTHER PROVISIONS:



Attachment 2 - Valley Water Applications to Drill Exploratory Borings

Docusign Envelope ID: E58447CC-F63C-41BD-9CEE-7CB064155508

Valley Water
5750 Almaden Expressway
San Jose, CA 95118-3686
(408) 265-2600

APPLICATION TO DRILL EXPLORATORY BORINGS

Date Issued: 7/15/2025	Expiration Date: 7/15/2026	Valley Water Permit No.: E25-0106
Client (if different from property owner): CITY OF PALO ALTO	Property Owner: City of Palo Alto	Name of Business/Residence at Site: Caltrain Crossing
Client's Address: City, State, Zip	Property Owner's Address: 250 Hamilton Ave. City, State, Zip Palo Alto, CA 94301	Address of Site: Caltrain crossings at Charleston Rd Crossing City, State, Zip Palo Alto, CA, 94306
Telephone No.:	Telephone No.: 650 329 2100	Assessor's Parcel No. of Site: Book 147 Page 30 Parcel 042

Consulting Company Name: Parikh Consultants, Inc	Drilling Company Name: Gregg Drilling, LLC	
Address: 1497 N Milpitas Blvd. City, State, Zip Milpitas, CA, 95035	Address: 2100 Goodyear Road City, State, Zip Benicia, CA 94510	
Telephone No.: 408 452 9000	Telephone No.: 925 313 5800	C-57/C-61 License No.: 1044456

In space at right, sketch location of proposed boring(s) in sufficient detail to identify location. In addition to distances to nearest street and intersection, show distances to any existing structures, landmarks, or topographic features.

How many borings will be installed on parcel?
1 boring & 4 CPTs (~60ft)

☐ Proposed borings on Valley Water property/easement (See General Condition F, page 2.)

☐ Within 50 feet of the top of a creek bank or Valley Water facility

Proposed depth of boring(s):

☒ 45 to 150 feet
☐ 151 to 300 feet
☐ Over 300 feet

NOTE: No permit is required for borings under 45 feet deep.

Boring Type:	Boring Use:
☐ Hollow stem	☒ Geotechnical Investigation
☒ Rotary	☐ Environmental Investigation
☒ CPT	☐ Material Emplacement
☐ Direct Push	☐ Sensor Emplacement
☐ Other:	☐ Other:

SITE PLAN
(Please draw accurately)

See attachment

*7/15 PER DAVID WANG CLIENT IS CITY OF PALO ALTO



SIGNATURES

I understand and agree that all work associated with this permit is required to be done in accordance with Santa Clara Valley Water District (Valley Water) Well Ordinance 90-1, Valley Water Well Standards, and conditions of this permit (see page 2). I certify that the information given in this permit is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid, and is affixed with the intent to be enforceable. I also certify that a right of entry/encroachment agreement has been formalized between the well owner and property owner, if parties differ. Property Owner/Agent: The Property Owner/Agent's signature below is made solely for the purpose of confirming and by its signature Property Owner/Agent represents that a Right of Entry Agreement has been entered into by and between the Property Owner/Agent and the USACE (the "ROE") for the sole purpose of allowing USACE to enter Property Owner/Agent's property to make exploratory borings. The ROE is attached hereto as Attachment No. 1. The Property Owner/Agent's signature on this permit does not represent an agreement to be subject to the permit conditions stated herein because the Property Owner/Agent is not a Permittee on this permit.

Signature of Property Owner/Agent: Signed by: Ria Hutabarat Lo D6E64D634F134CA...	Print/Type Name: Ria Hutabarat Lo	Date: 6/24/2025
Signature of Client/Agent: Roland Mouawad	Print/Type Name: Roland Mouawad	Date: 6/24/2025
Signature of Driller/Agent: Ian Wood	Print/Type Name: Ian Wood	Date: 6/19/25
Signature of Consultant/Agent: Y. David Wang	Print/Type Name: David Wang	Date: 6/19/25

Docusign Envelope ID: E58447CC-F63C-41BD-9CEE-7CB064155508

Valley Water
5750 Almaden Expressway
San Jose, CA 95118-3686
(408) 265-2600

APPLICATION TO DRILL EXPLORATORY BORINGS

IMPORTANT: A minimum 24-hour notice must be given to Valley Water's Well Ordinance Program prior to installing the annular seal. Call (408) 630-2660. Please allow 10 working days to process permit application.

GENERAL CONDITIONS

A. **Valley Water's Well Ordinance Program** (408-630-2660) **must be notified a minimum of one working day before the exploratory boring is backfilled**. An authorized Valley Water representative must be on site to witness the sealing operation. This requirement may be waived by an authorized Valley Water representative. If Valley Water waives the inspection requirement, Valley Water may request the permittee(s) to furnish certification under penalty of perjury that the seal was constructed in accordance with Valley Water Well Standards.

B. This permit is valid only for the purpose specified herein. Boring destruction methods authorized under this permit may not be changed except by written approval of an authorized Valley Water representative, and only if Valley Water believes that such a change will result in equal or superior compliance with Valley Water and State Well Standards (e.g., Valley Water representative finds that site conditions warrant such a change).

C. This permit is only valid for the Assessor's Parcel No. indicated on it.

D. This permit may be voided if it contains incorrect information.

E. Borings shall be sealed within 24 hours following completion of testing or sampling activities. Borings shall not be left in such a condition as to allow for the introduction of surface waters or foreign materials into them. Borings shall be secured such that they do not endanger public health.

F. If any work associated with this permit will take place on Valley Water property/easement, an encroachment or construction permit must be granted by the Valley Water's Community Projects Review Unit (telephone 408-630-2650).

G. The permittee(s) shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend, and hold Valley Water, its officers, agents, and employees, free and harmless from any and all expense, cost, and liability in connection with or resulting from the granting or exercise of this permit including, but not limited to, property damage, personal injury, and wrongful death.

H. Permittees are required to be in full compliance with Cal/OSHA California Labor Code Section 6300.

I. A current C-57 or C-61 (Subcategory D-09) Contractor's License is required for work associated with this permit.

J. Permittee, permittee's contractors, consultants, or agents shall be responsible to assure that all materials or waters generated during drilling, boring destruction, and/or other activities associated with this permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statues regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on- or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where the work is being completed.

K. The driller and consultants (if applicable) must maintain an active copy of their Certificate of Insurance on file that is effective for the duration of the permit and until the work on-site is complete. Any updates and time extensions to the COI must be provided to us prior to the start of any construction.

L. This permit shall expire if not executed within one (1) calendar year of its approval.

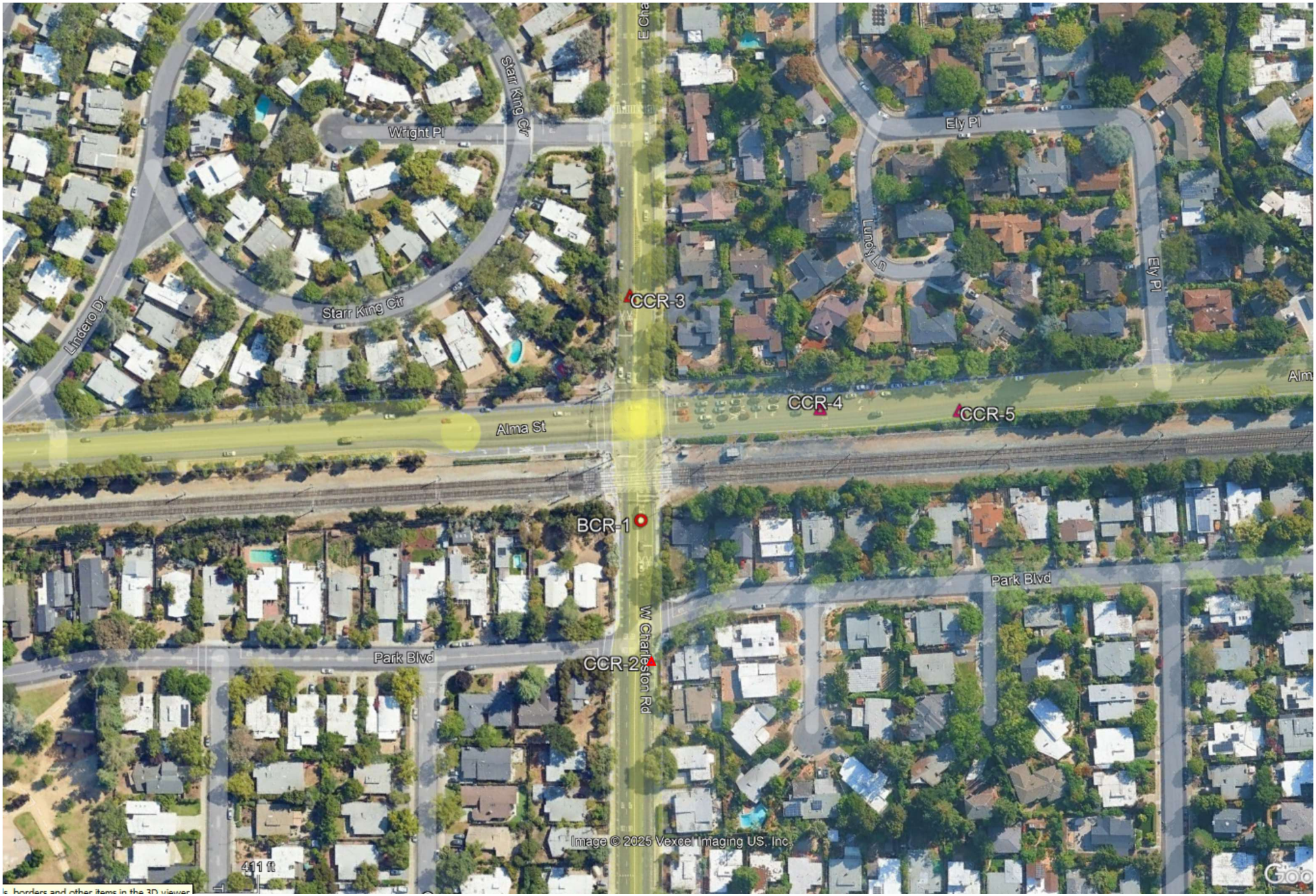
M. This permit shall be kept on site during all activities associated with it and shall immediately be presented to an authorized Valley Water representative upon request.

N. Permittee shall notify Underground Service Alert (USA) at 1-800-227-2600 or 811 prior to any digging.

Permit Approved by:	Date:
Belen Avalos	7/15/2025

Please allow 10 working days to process this application.

Docusign Envelope ID: E58447CC-F63C-41BD-9CEE-7CB064155508



Rotary wash boring (50'~60')

Cone Penetration Test (~60')

All exploration points are on City street, away from Caltrain R/W

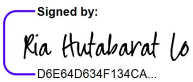
Charleston Rd Crossing

Certificate Of Completion

Envelope Id: E58447CC-F63C-41BD-9CEE-7CB064155508
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Subject: Complete with Docusign: Exploratory Boring Permit Application - Charleston Rd Crossing.pdf
Source Envelope:
Document Pages: 3
Signatures: 1
Envelope Originator:
Certificate Pages: 1
Initials: 0
Elizabeth Egli
AutoNav: Enabled
250 Hamilton Ave
EnvelopeId Stamping: Enabled
Palo Alto , CA 94301
Time Zone: (UTC-08:00) Pacific Time (US & Canada)
Elizabeth.Egli@PaloAlto.gov
IP Address: 199.33.32.254

Record Tracking

Status: Original
6/24/2025 1:41:45 PM
Holder: Elizabeth Egli
Elizabeth.Egli@PaloAlto.gov
Location: DocuSign
Security Appliance Status: Connected
Pool: StateLocal
Storage Appliance Status: Connected
Pool: City of Palo Alto
Location: Docusign

Signer Events	Signature	Timestamp
Ria Hutabarat Lo Ria.Lo@paloalto.gov Chief Transportation Official City of Palo Alto Security Level: Email, Account Authentication (None)	Signed by:  D6E64D634F134CA... Signature Adoption: Pre-selected Style Using IP Address: 165.225.242.108	Sent: 6/24/2025 1:42:57 PM Viewed: 6/24/2025 3:53:56 PM Signed: 6/24/2025 4:02:31 PM

Electronic Record and Signature Disclosure:
Not Offered via Docusign

In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

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Certified Delivered	Security Checked	6/24/2025 3:53:56 PM
Signing Complete	Security Checked	6/24/2025 4:02:31 PM
Completed	Security Checked	6/24/2025 4:02:31 PM

Payment Events	Status	Timestamps

Docusign Envelope ID: 432174A7-3419-4BAC-8699-76AD39F0D970

Valley Water
5750 Almaden Expressway
San Jose, CA 95118-3686
(408) 265-2600

APPLICATION TO DRILL EXPLORATORY BORINGS

Date Issued: 7/15/2025	Expiration Date: 7/15/2026	Valley Water Permit No.: E25-0107
Client (if different from property owner): CITY OF PALO ALTO	Property Owner: City of Palo Alto	Name of Business/Residence at Site: Caltrain Crossing
Client's Address: City, State, Zip	Property Owner's Address: 250 Hamilton Ave. City, State, Zip Palo Alto, CA 94301	Address of Site: Caltrain crossings at Churchill Ave City, State, Zip Palo Alto, CA, 94306
Telephone No.:	Telephone No.: 650 329 2100	Assessor's Parcel No. of Site: Book 124 Page 16 Parcel 048

Consulting Company Name: Parikh Consultants, Inc	Drilling Company Name: Gregg Drilling, LLC	
Address: 1497 N Milpitas Blvd. City, State, Zip Milpitas, CA, 95035	Address: 2100 Goodyear Road City, State, Zip Benicia, CA 94510	
Telephone No.: 408 452 9000	Telephone No.: 925 313 5800	C-57/C-61 License No.: 1044456

In space at right, sketch location of proposed boring(s) in sufficient detail to identify location. In addition to distances to nearest street and intersection, show distances to any existing structures, landmarks, or topographic features.

How many borings will be installed on parcel?
1 boring & 5 CPTs (~60ft)

☐ Proposed borings on Valley Water property/easement (See General Condition F, page 2.)

☐ Within 50 feet of the top of a creek bank or Valley Water facility

Proposed depth of boring(s):

☒ 45 to 150 feet
☐ 151 to 300 feet
☐ Over 300 feet

NOTE: No permit is required for borings under 45 feet deep.

Boring Type:	Boring Use:
☐ Hollow stem	☒ Geotechnical Investigation
☒ Rotary	☐ Environmental Investigation
☒ CPT	☐ Material Emplacement
☐ Direct Push	☐ Sensor Emplacement
☐ Other:	☐ Other:

SITE PLAN
(Please draw accurately)

See attachment

*7/15 PER DAVID WANG CLIENT IS CITY OF PALO ALTO



SIGNATURES

I understand and agree that all work associated with this permit is required to be done in accordance with Santa Clara Valley Water District (Valley Water) Well Ordinance 90-1, Valley Water Well Standards, and conditions of this permit (see page 2). I certify that the information given in this permit is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid, and is affixed with the intent to be enforceable. I also certify that a right of entry/encroachment agreement has been formalized between the well owner and property owner, if parties differ. Property Owner/Agent: The Property Owner/Agent's signature below is made solely for the purpose of confirming and by its signature Property Owner/Agent represents that a Right of Entry Agreement has been entered into by and between the Property Owner/Agent and the USACE (the "ROE") for the sole purpose of allowing USACE to enter Property Owner/Agent's property to make exploratory borings. The ROE is attached hereto as Attachment No. 1. The Property Owner/Agent's signature on this permit does not represent an agreement to be subject to the permit conditions stated herein because the Property Owner/Agent is not a Permittee on this permit.

Signature of Property Owner/Agent: Signed by: Ria Hutabarat Lo D6E64D634F134CA...	Print/Type Name: Ria Hutabarat Lo	Date: 6/24/2025
Signature of Client/Agent: Roland Mouawad	Print/Type Name: Roland Mouawad	Date: 6/24/25
Signature of Driller/Agent: Ian Wood	Print/Type Name: Ian Wood	Date: 6/19/25
Signature of Consultant/Agent: Y. David Wang	Print/Type Name: David Wang	Date: 6/19/25

Docusign Envelope ID: 432174A7-3419-4BAC-8699-76AD39F0D970

Valley Water
5750 Almaden Expressway
San Jose, CA 95118-3686
(408) 265-2600

APPLICATION TO DRILL EXPLORATORY BORINGS

IMPORTANT: A minimum 24-hour notice must be given to Valley Water's Well Ordinance Program prior to installing the annular seal. Call (408) 630-2660. Please allow 10 working days to process permit application.

GENERAL CONDITIONS

A. **Valley Water's Well Ordinance Program** (408-630-2660) **must be notified a minimum of one working day before the exploratory boring is backfilled**. An authorized Valley Water representative must be on site to witness the sealing operation. This requirement may be waived by an authorized Valley Water representative. If Valley Water waives the inspection requirement, Valley Water may request the permittee(s) to furnish certification under penalty of perjury that the seal was constructed in accordance with Valley Water Well Standards.

B. This permit is valid only for the purpose specified herein. Boring destruction methods authorized under this permit may not be changed except by written approval of an authorized Valley Water representative, and only if Valley Water believes that such a change will result in equal or superior compliance with Valley Water and State Well Standards (e.g., Valley Water representative finds that site conditions warrant such a change).

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E. Borings shall be sealed within 24 hours following completion of testing or sampling activities. Borings shall not be left in such a condition as to allow for the introduction of surface waters or foreign materials into them. Borings shall be secured such that they do not endanger public health.

F. If any work associated with this permit will take place on Valley Water property/easement, an encroachment or construction permit must be granted by the Valley Water's Community Projects Review Unit (telephone 408-630-2650).

G. The permittee(s) shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend, and hold Valley Water, its officers, agents, and employees, free and harmless from any and all expense, cost, and liability in connection with or resulting from the granting or exercise of this permit including, but not limited to, property damage, personal injury, and wrongful death.

H. Permittees are required to be in full compliance with Cal/OSHA California Labor Code Section 6300.

I. A current C-57 or C-61 (Subcategory D-09) Contractor's License is required for work associated with this permit.

J. Permittee, permittee's contractors, consultants, or agents shall be responsible to assure that all materials or waters generated during drilling, boring destruction, and/or other activities associated with this permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statues regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on- or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where the work is being completed.

K. The driller and consultants (if applicable) must maintain an active copy of their Certificate of Insurance on file that is effective for the duration of the permit and until the work on-site is complete. Any updates and time extensions to the COI must be provided to us prior to the start of any construction.

L. This permit shall expire if not executed within one (1) calendar year of its approval.

M. This permit shall be kept on site during all activities associated with it and shall immediately be presented to an authorized Valley Water representative upon request.

N. Permittee shall notify Underground Service Alert (USA) at 1-800-227-2600 or 811 prior to any digging.

Permit Approved by:	Date:
Belen Avalos	7/15/2025

Please allow 10 working days to process this application.

Docusign Envelope ID: 432174A7-3419-4BAC-8699-76AD39F0D970



Rotary wash boring (50'~60')

Cone Penetration Test (~60')

All exploration points are on City street, away from Caltrain R/W

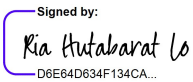
Churchill Ave Crossing

Certificate Of Completion

Envelope Id: 432174A7-3419-4BAC-8699-76AD39F0D970
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Source Envelope:
Document Pages: 3
Signatures: 1
Envelope Originator:
Certificate Pages: 1
Initials: 0
Elizabeth Egli
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250 Hamilton Ave
EnvelopeId Stamping: Enabled
Palo Alto , CA 94301
Time Zone: (UTC-08:00) Pacific Time (US & Canada)
Elizabeth.Egli@PaloAlto.gov
IP Address: 199.33.32.254

Record Tracking

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Elizabeth.Egli@PaloAlto.gov
Location: DocuSign
Security Appliance Status: Connected
Pool: StateLocal
Storage Appliance Status: Connected
Pool: City of Palo Alto
Location: Docusign

Signer Events	Signature	Timestamp
Ria Hutabarat Lo Ria.Lo@paloalto.gov Chief Transportation Official City of Palo Alto Security Level: Email, Account Authentication (None)	Signed by:  D6E64D634F134CA... Signature Adoption: Pre-selected Style Using IP Address: 165.225.242.108	Sent: 6/24/2025 1:41:38 PM Viewed: 6/24/2025 4:03:53 PM Signed: 6/24/2025 4:04:02 PM

Electronic Record and Signature Disclosure:
Not Offered via Docusign

In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
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Certified Delivered	Security Checked	6/24/2025 4:03:53 PM
Signing Complete	Security Checked	6/24/2025 4:04:02 PM
Completed	Security Checked	6/24/2025 4:04:02 PM

Payment Events	Status	Timestamps

Docusign Envelope ID: 71FF1281-6FA5-4E58-9ABD-1453AB3FA62E

Valley Water
5750 Almaden Expressway
San Jose, CA 95118-3686
(408) 265-2600

APPLICATION TO DRILL EXPLORATORY BORINGS

FC 285 (04-23-2025)

Date Issued: 7/15/2025	Expiration Date: 7/15/2026	Valley Water Permit No.: E25-0108
Client (if different from property owner): CITY OF PALO ALTO	Property Owner: City of Palo Alto	Name of Business/Residence at Site: Caltrain Crossing
Client's Address: City, State, Zip	Property Owner's Address: 250 Hamilton Ave. City, State, Zip Palo Alto, CA 94301	Address of Site: Caltrain crossings at Meadow Dr Crossing City, State, Zip Palo Alto, CA, 94306
Telephone No.:	Telephone No.: 650 329 2100	Assessor's Parcel No. of Site: Book 132 Page 28 Parcel 078

Consulting Company Name: Parikh Consultants, Inc	Drilling Company Name: Gregg Drilling, LLC	
Address: 1497 N Milpitas Blvd. City, State, Zip Milpitas, CA, 95035	Address: 2100 Goodyear Road City, State, Zip Benicia, CA 94510	
Telephone No.: 408 452 9000	Telephone No.: 925 313 5800	C-57/C-61 License No.: 1044456

In space at right, sketch location of proposed boring(s) in sufficient detail to identify location. In addition to distances to nearest street and intersection, show distances to any existing structures, landmarks, or topographic features.

How many borings will be installed on parcel?
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☐ Proposed borings on Valley Water property/easement (See General Condition F, page 2.)

☐ Within 50 feet of the top of a creek bank or Valley Water facility

Proposed depth of boring(s):

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☐ 151 to 300 feet
☐ Over 300 feet

NOTE: No permit is required for borings under 45 feet deep.

Boring Type:	Boring Use:
☐ Hollow stem	☒ Geotechnical Investigation
☒ Rotary	☐ Environmental Investigation
☒ CPT	☐ Material Emplacement
☐ Direct Push	☐ Sensor Emplacement
☐ Other:	☐ Other:

SITE PLAN
(Please draw accurately)

See attachment

*7/15 PER DAVID WANG CLIENT IS CITY OF PALO ALTO



SIGNATURES

I understand and agree that all work associated with this permit is required to be done in accordance with Santa Clara Valley Water District (Valley Water) Well Ordinance 90-1, Valley Water Well Standards, and conditions of this permit (see page 2). I certify that the information given in this permit is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid, and is affixed with the intent to be enforceable. I also certify that a right of entry/encroachment agreement has been formalized between the well owner and property owner, if parties differ. Property Owner/Agent: The Property Owner/Agent's signature below is made solely for the purpose of confirming and by its signature Property Owner/Agent represents that a Right of Entry Agreement has been entered into by and between the Property Owner/Agent and the USACE (the "ROE") for the sole purpose of allowing USACE to enter Property Owner/Agent's property to make exploratory borings. The ROE is attached hereto as Attachment No. 1. The Property Owner/Agent's signature on this permit does not represent an agreement to be subject to the permit conditions stated herein because the Property Owner/Agent is not a Permittee on this permit.

Signature of Property Owner/Agent: Signed by: Ria Hutabarat Lo D6E64D634F134CA...		Print/Type Name: Ria Hutabarat Lo	Date: 6/24/2025
Signature of Client/Agent: Roland Mouawad		Print/Type Name: Roland Mouawad	Date: 6/24/25
Signature of Driller/Agent: Ian Wood		Print/Type Name: Ian Wood	Date: 6/19/25
Signature of Consultant/Agent: Y. David Wang		Print/Type Name: David Wang	Date: 6/19/25

Docusign Envelope ID: 71FF1281-6FA5-4E58-9ABD-1453AB3FA62E

Valley Water
5750 Almaden Expressway
San Jose, CA 95118-3686
(408) 265-2600

APPLICATION TO DRILL EXPLORATORY BORINGS

IMPORTANT: A minimum 24-hour notice must be given to Valley Water's Well Ordinance Program prior to installing the annular seal. Call (408) 630-2660. Please allow 10 working days to process permit application.

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K. The driller and consultants (if applicable) must maintain an active copy of their Certificate of Insurance on file that is effective for the duration of the permit and until the work on-site is complete. Any updates and time extensions to the COI must be provided to us prior to the start of any construction.

L. This permit shall expire if not executed within one (1) calendar year of its approval.

M. This permit shall be kept on site during all activities associated with it and shall immediately be presented to an authorized Valley Water representative upon request.

N. Permittee shall notify Underground Service Alert (USA) at 1-800-227-2600 or 811 prior to any digging.

Permit Approved by:	Date:
Belen Avalos	7/15/2025

Please allow 10 working days to process this application.

Docusign Envelope ID: 71FF1281-6FA5-4E58-9ABD-1453AB3FA62E



Rotary wash boring (50'~60')

Cone Penetration Test (~60')

All exploration points are on City street, away from Caltrain R/W

Meadow Dr Crossing

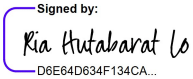
Certificate Of Completion

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Source Envelope:
Document Pages: 3
Signatures: 1
Certificate Pages: 1
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AutoNav: Enabled
EnvelopeId Stamping: Enabled
Time Zone: (UTC-08:00) Pacific Time (US & Canada)

Envelope Originator:
Elizabeth Egli
250 Hamilton Ave
Palo Alto , CA 94301
Elizabeth.Egli@PaloAlto.gov
IP Address: 199.33.32.254

Record Tracking

Status: Original
6/24/2025 1:43:45 PM
Holder: Elizabeth Egli
Elizabeth.Egli@PaloAlto.gov
Location: DocuSign
Security Appliance Status: Connected
Pool: StateLocal
Storage Appliance Status: Connected
Pool: City of Palo Alto
Location: Docusign

Signer Events	Signature	Timestamp
Ria Hutabarat Lo Ria.Lo@paloalto.gov Chief Transportation Official City of Palo Alto Security Level: Email, Account Authentication (None)	Signed by:  D6E64D634F134CA... Signature Adoption: Pre-selected Style Using IP Address: 165.225.242.108	Sent: 6/24/2025 1:44:22 PM Viewed: 6/24/2025 4:03:03 PM Signed: 6/24/2025 4:03:37 PM

Electronic Record and Signature Disclosure:
Not Offered via Docusign

In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
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Envelope Updated	Security Checked	6/24/2025 3:22:55 PM
Certified Delivered	Security Checked	6/24/2025 4:03:03 PM
Signing Complete	Security Checked	6/24/2025 4:03:37 PM
Completed	Security Checked	6/24/2025 4:03:37 PM

Payment Events	Status	Timestamps



Attachment 3 - Streetwork Permit No. E25-0106

PUBLIC WORKS
Engineering Services Division

CITY OF PALO ALTO

250 Hamilton Avenue, 6th Floor
Palo Alto, CA 94301
650.329.2295

PERMIT NUMBER: _____

STREETWORK PERMIT

Type of Construction: ☐ Sidewalk ☐ Curb & Gutter ☐ Driveway Approach ☐ Utilities ☑ Other Geotech Exploration (boring&C
☐ Telecom (Is company on City's approved list of providers? If not, provide CLEC/CPCN/WIRN #) _____

Location(s) of Work (list all streets): Caltrain crossings at Churchill Ave, Medow Dr, and Charleston Rd

Permittee: Parikh Consultants, Inc. (David Wang, PhD, PE, Sen. Principal)

Address: 1497 N. Milpitas Blvd., Milpitas, CA 95035

Contractor's License Number: C 52911 **Phone:** (408) 452-9000

Email: dwang@parikhnet.com

Expected Start Date: July 2025 (estimate, pending other permitting process) **Expected Completion Date:** (estimate 2-3 weeks field work)

Cost Estimate of Work in Public Right-of-Way	Quantity Estimate	Cost Estimate
Curb & Gutter	_____ Linear feet	_____
Sidewalk	_____ Square feet	_____
Driveway Approach	_____ Square feet	_____
Pavement	_____ Square feet	_____
Utilities	_____ Linear feet	_____
Telecom	_____ Linear feet	_____
Other	3 borings & ~13 CPTs (~60')	~ $ 117,740

Insurance Certificate Required; see **WEBSITE** for requirements **Total Cost** $ 118

Permittee affirms that the facts stated hereon are true and agrees that they, their agents, employees and contractors shall perform all work described hereon in conformance with ordinances and standard specifications of the City of Palo Alto, all pertinent State laws and to the plans and specifications approved by the City Engineer. The work allowed in this permit shall be performed by an appropriately licensed contractor as required in the Palo Alto Municipal Code. The Permittee shall pay the cost of all soils investigation and compaction tests, and shall reimburse the City for any services provided as may be required by the City Engineer, Utilities Department or Police Department. Permittee further agrees to hold the City of Palo Alto, it's officers, agents, and employees harmless from all costs and damages which might arise from the Permittee's use or occupancy of the public right-of-way. The Permittee also agrees to maintain required insurance coverage through the closure of the permit and sign off by the Public Works Inspector. This permit is subject to all attached conditions made part of the permit document and may be revoked at any time for violation of any of these conditions.

Permittee Signature	David Wang, PhD, PE	5/22/2025
	Print Name	Date

Work Satisfactorily Completed: Inspector_____ Date:_____

*****All applications, plans, and supporting documents are to be submitted electronically through our Palo Alto Online Permitting System (OPS). Please see our WEBSITE for instructions on how to submit your application.*****

For inspection call the Public Works Inspector @ (650) 496-6929
-- Provide minimum one working day advance notice --

PUBLIC WORKS
Engineering Services Division

250 Hamilton Avenue, 6th Floor
Palo Alto, CA 94301
650.329.2295

PERMIT NUMBER: _____

GENERAL CONDITIONS

TABLE OF CONTENTS

A. GENERAL
B. PRIOR TO STARTING WORK
C. NOISE AND WORK HOURS
D. TRAFFIC CONTROL
E. HOUSEKEEPING
F. SITE RESTORATION
G. PRIOR TO PERMIT FINAL

A. GENERAL

1. Work location and configuration shall be in accordance with attached plans or as further directed by City's Public Works Inspector*.

2. Permittee shall maintain liability insurance to the satisfaction of City's Risk Manager and shall provide City's Public Works Engineering Department with current insurance certificates documenting that said insurance is in effect from the time this permit is issued until it is closed.

3. All activities and construction shall conform to City's standards, specifications and the California Manual on Uniform Traffic Control Devices (CAMUTCD), and as further directed by this permit.

4. Permittee is responsible for obtaining any other permits required by the City of Palo Alto or any other governmental or quasi-governmental agency.

   Note: The permittee must obtain parking permits from the City's Transportation Division if any activities will restrict public access to designated parking spaces within the University Avenue or California Avenue Parking Assessment Districts, or in time-limited parking areas near Stanford Hospital.

5. The permittee must ensure that existing City trees are not damaged in any way. If any damage does occur, it must be reported immediately to the City Arborist. Tree protection within the work area must comply with the Public Works Department Standard Detail #605.

B. PRIOR TO STARTING WORK

1. The Permittee shall be responsible for the identification and location of all utilities, both public and private. Permittee shall contact Underground Service Alert (USA) at (800) 642-2444 at least 48 hours prior to beginning excavation work.

2. City's Public Works Inspector* shall be contacted at least 48 hours (two working days) prior to start of work.

3. If the Contractor needs to post "No Parking - Tow Away" signs, a three-day advance notification to the Palo Alto Police Department is required prior to date of construction activity.

4. All appropriate traffic control measures shall be in place, as detailed in the approved traffic control plan, prior to beginning work and to the satisfaction of the Public Works Inspector*.

C. NOISE AND WORK HOURS

1. Permittee shall comply to the City's Noise Abatement Ordinance and Construction Hours, detailed in Chapter 9.10 of the Palo Alto Municipal Code.

2. Construction hours are listed below:

Monday to Friday	8am to 6pm
Saturday	9am to 6pm
Sundays and Holidays	Prohibited

   Any construction outside these hours will require a Noise Exception Permit from the Chief Building Official.

3. Lane Closure Hours: See approved Traffic Control Plan and/or Special Provisions.

4. The use of amplified music or other sound in the work area is not permitted during the performance of the work in this permit.

D. TRAFFIC CONTROL

1. Lane Closure Hours: See approved Traffic Control Plan and/or Special Provisions.

2. Traffic control must in accordance with the California Manual on Uniform Traffic Control Devices (CAMUTCD) and the approved traffic control plan and conditions. Any modifications made to the approved plan must be approved by Public Works Engineering.

3. The Contractor shall supply, place and maintain all necessary traffic control devices in accordance with the California Manual on Uniform Traffic Control Devices (CAMUTCD). Traffic barricades and cones shall conform to Caltrans Standard Specifications Sections 12-3.02 and 12-3.10.

4. The Contractor shall provide one working flasher for each barricade and shall insure that each flasher is maintained in working condition while in use.

5. Advance signs must be placed in locations that ensure they are clearly visible to approaching traffic. These signs should be removed promptly when they are no longer needed.

6. The construction activity must always be separated from the traveled roadway using cones that meet the specified standards above.

PUBLIC WORKS
Engineering Services Division

250 Hamilton Avenue, 6th Floor
Palo Alto, CA 94301
650.329.2295

PERMIT NUMBER: _____

GENERAL CONDITIONS

7. The Contractor shall not remove the barricades in the street at any given location until the asphalt concrete patching adjacent to the gutter and/or gutter overlay has been done and the hazard to bicyclists and motorists no longer exists.

8. Any hazardous conditions left during non-working hours shall be barricaded and marked with flashers; any such protection in a traveled portion of a vehicular or pedestrian right-of-way shall be done in a manner approved in the California Manual on Uniform Traffic Control Devices (CAMUTCD).

9. Traffic striping, legends, markers, and signage destroyed during construction activities shall be temporarily replaced prior to the release of the street to the public. The work of permanent restoration of the above shall be diligently pursued.

10. All traffic control measures are subject to the approval of the Public Works Inspector and Palo Alto Police Department. If the traffic control measures are unacceptable, the Palo Alto Police Department may take over the traffic control at the expense of the Permittee/Contractor.

E. HOUSEKEEPING

1. No stockpiling of materials, spoils or equipment is permitted in the public right-of-way unless specifically permitted in this permit.

2. All work areas shall be swept clean at the end of each workday and at other times when directed by the Public Works Inspector. A mobile street sweeper shall be used wherever practical.

3. Dust control shall be implemented to the satisfaction of the Public Works Inspector*.

4. The Contractor shall remove all forms, debris and undesirable material from the job site at the end of each workday.

5. Spillage resulting from hauling operations along or across any public traveled way shall be removed immediately by the Permittee/Contractor at his expense.

6. It is unlawful to discharge construction debris (soil, concrete, asphalt, sawcut slurry, paint, chemicals, etc.) or other waste materials into gutters or storm drains. The Permittee/Contractor shall incorporate best management practices (BMP's) for stormwater pollution prevention into all construction operations. Typical BMP's can be obtained from Public Works staff or the following link: https://www.cityofpaloalto.org/files/assets/public/v/1/public-works/engineering-services/webpages/forms-and-permits/rwq_stormwater_plansheet_final_bw.pdf

7. Potable water for consolidation of backfill and other non-domestic uses in construction shall not be used. The Palo Alto Regional Water Quality Control Plant (RWQCP) will permit and provide reclaimed water to contractors and landscapers. It is located at 2501 Embarcadero Way. There may also be active dewatering projects from which water can be obtained. Check with Public Works staff for locations.

F. SITE RESTORATION

1. The permittee is responsible for repairing, restoring, or replacing any private and City facilities damaged due to their activities. Restoration of City facilities must comply with City standard specifications and any other requirements specified by this permit. The permittee must notify the City's Public Works Inspector* 48 hours (two working days) before beginning restoration activities. Additional permits may be required for the restoration work. Repairs to private facilities must meet the owner's requirements.

2. Unless otherwise authorized by the Public Works Inspector*, all construction, including restoration, shall be completed within 15 working days from start of work at any specific location.

G. PRIOR TO PERMIT FINAL

1. Permittee shall remove all debris and clean up the work area at completion of permitted activities.

2. On the final day of work under this permit, the permittee must notify the Public Works Inspector* to conduct the necessary inspections. The permittee remains responsible and liable for the work performed and any structures erected until the permit is officially closed. Permit closure occurs when the Public Works Inspector* signs the "Work Completed" section on the front of the permit.

3. The Contractor shall be responsible for the complete removal of all markings used in the design and execution of the permitted work. This includes all marking associated with the identifying of existing utilities by Underground Service Alert. This removal shall be performed by a method approved by Public Works-Engineering.

* **Public Works Inspector (650) 496-6929**

PUBLIC WORKS
Engineering Services Division

250 Hamilton Avenue, 6th Floor
Palo Alto, CA 94301
650.329.2295

PERMIT NUMBER: _____

SPECIAL PROVISIONS

1. **PERMIT EXPIRATION:**
   - **The approved permit is valid for six months from the date of issuance.**
   - **If the permit is not finalized by the end of the six months, a new permit and/or additional fees will be required.**

2. Permittee shall provide the City evidence of Personal Injury and Property Damage insurance in a form acceptable to the CPA Risk Manager, in the minimum amounts of $1,000,000 each for personal injury and property damage or else as indicated below. Said insurance shall name the City of Palo Alto, its officers and employees as an additional insured and shall be primary insurance with any City insurance being excess only. Said insurance shall be maintained so long as this permit/lease* remains in force, and evidence of said current insurance and subsequent renewals shall be submitted to the City of Palo Alto, Public Works Engineering Division.

   ☐ ALTERNATE COVERAGE REQUIRED:

   $ (408) 452-9000 ,000 Personal injury

   $ 3 borings & ~13 CPTs (~60') ,000 Property damage

3. Encroachment, construction or use shall not extend beyond the area identified and specified as part of this permit/lease.
4. Encroachment shall not restrict visibility to any traffic control devices or signs.
5. No encroachment is permitted in exclusive bike lanes (where parking is not permitted); bus stops, or "no parking zones" unless specifically authorized within this permit.
6. Encroachment shall not block or cover access to any utility pole, manhole, vault, cleanout, valve, junction or meter box.
7. Permittee shall maintain encroaching or constructed facility and/or the property in a good and safe condition.
8. Construction shall be in conformance with plans approved by the City.
9. Whenever construction, reconstruction or maintenance work to City facilities requires relocation or modification of the encroachment, construction or use, such relocation or modification work shall be done by Permittee at Permittee's sole expense.
10. Permittee shall assure adequate visibility of encroachment, construction or use during daytime and nighttime hours.
11. Permittee shall conform to all requirements of the California Manual on Uniform Traffic Control Devices (CAMUTCD), as applicable.
12. The Permittee is required to maintain any underground facilities listed with Underground Service Alert (USA). When requested, the Permittee is responsible to mark out appropriately all underground facilities described in this permit.
13. Any public and/or private improvements damaged by the encroaching activities must be repaired or replaced in-kind to the satisfaction of the improvement owner and at Permittee expense.
14. All dumpsters used in this permitted encroachment are required to be ordered through the City's contracted collector for waste disposal services.
15. In addition to this permit, Permittee shall obtain the following permits:

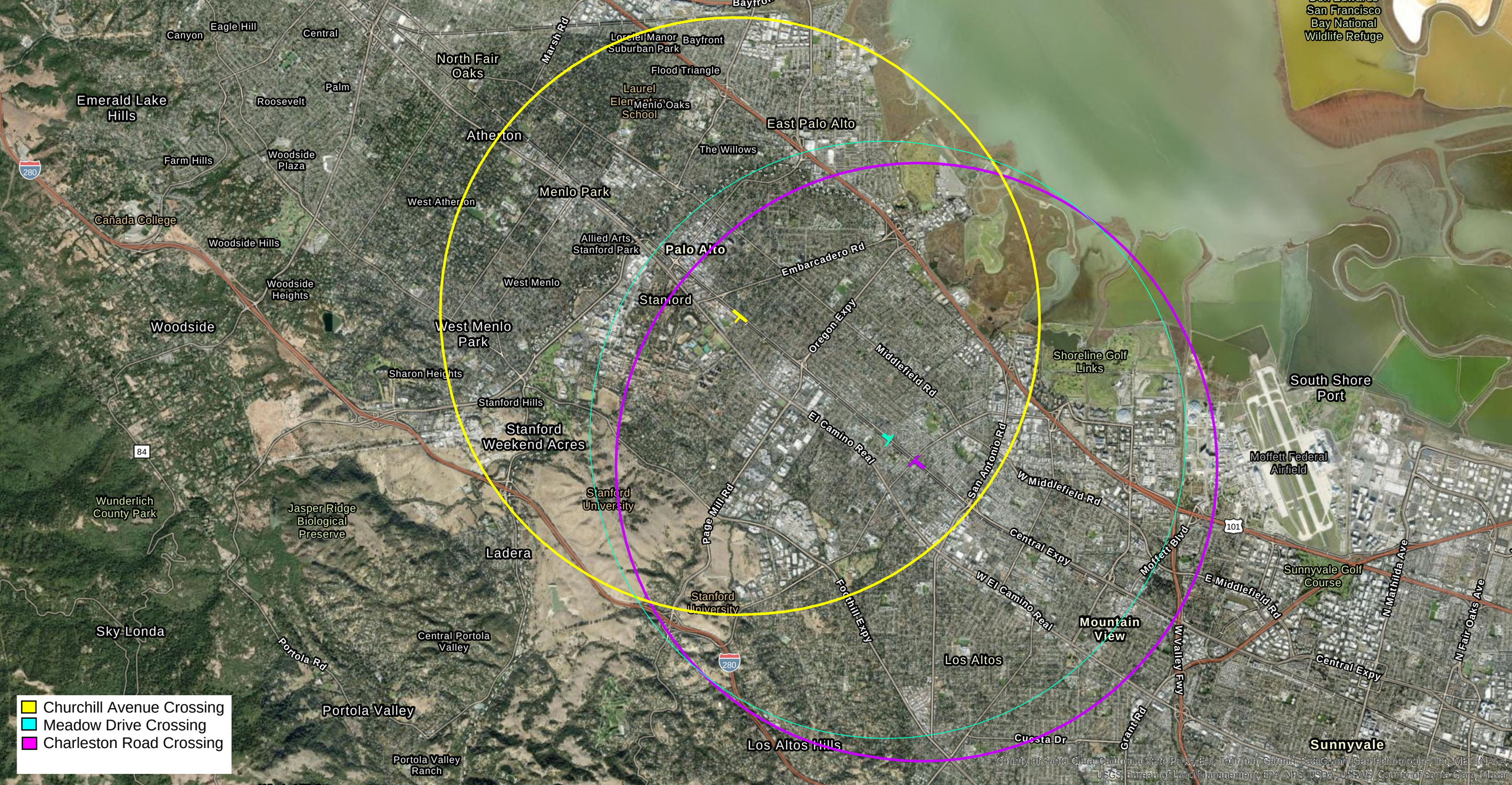
16. OTHER PROVISIONS:

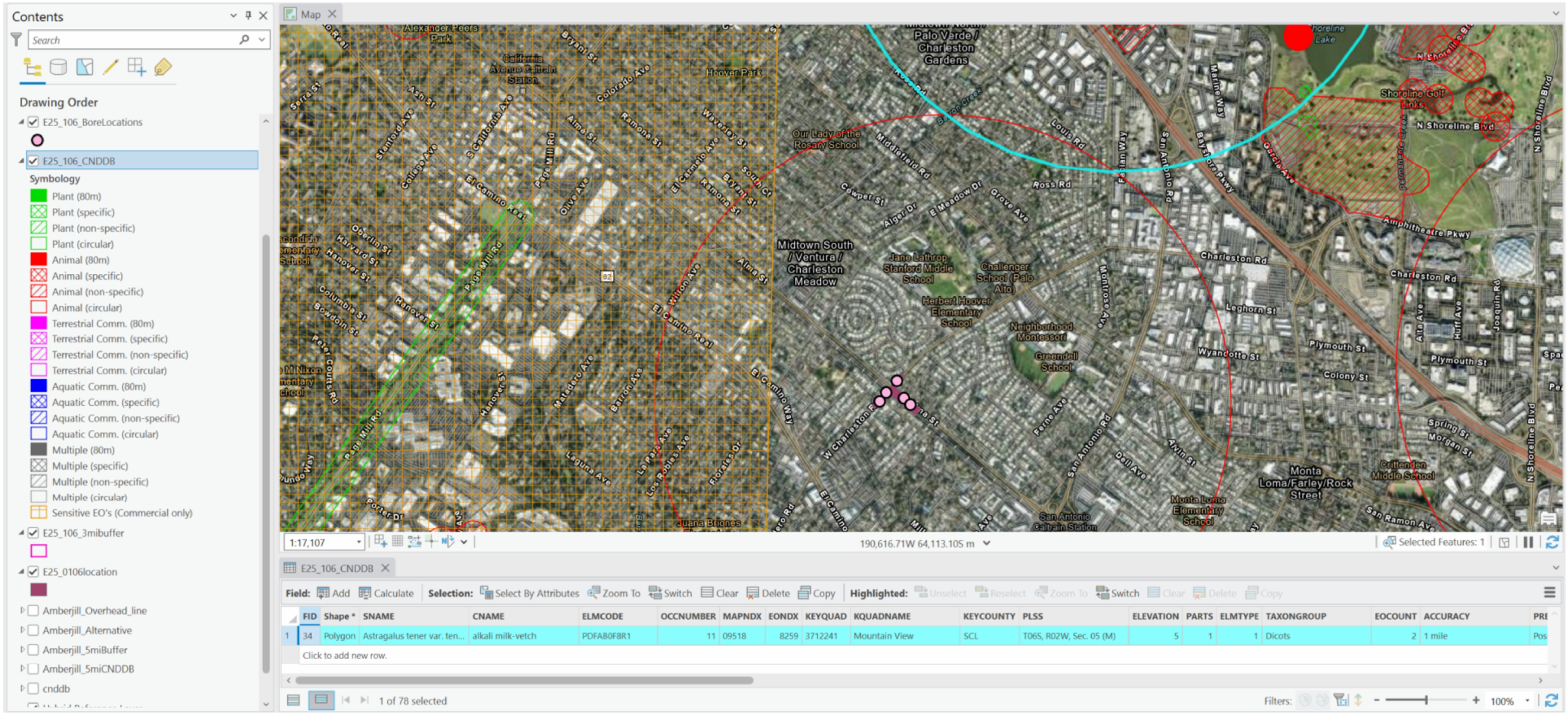


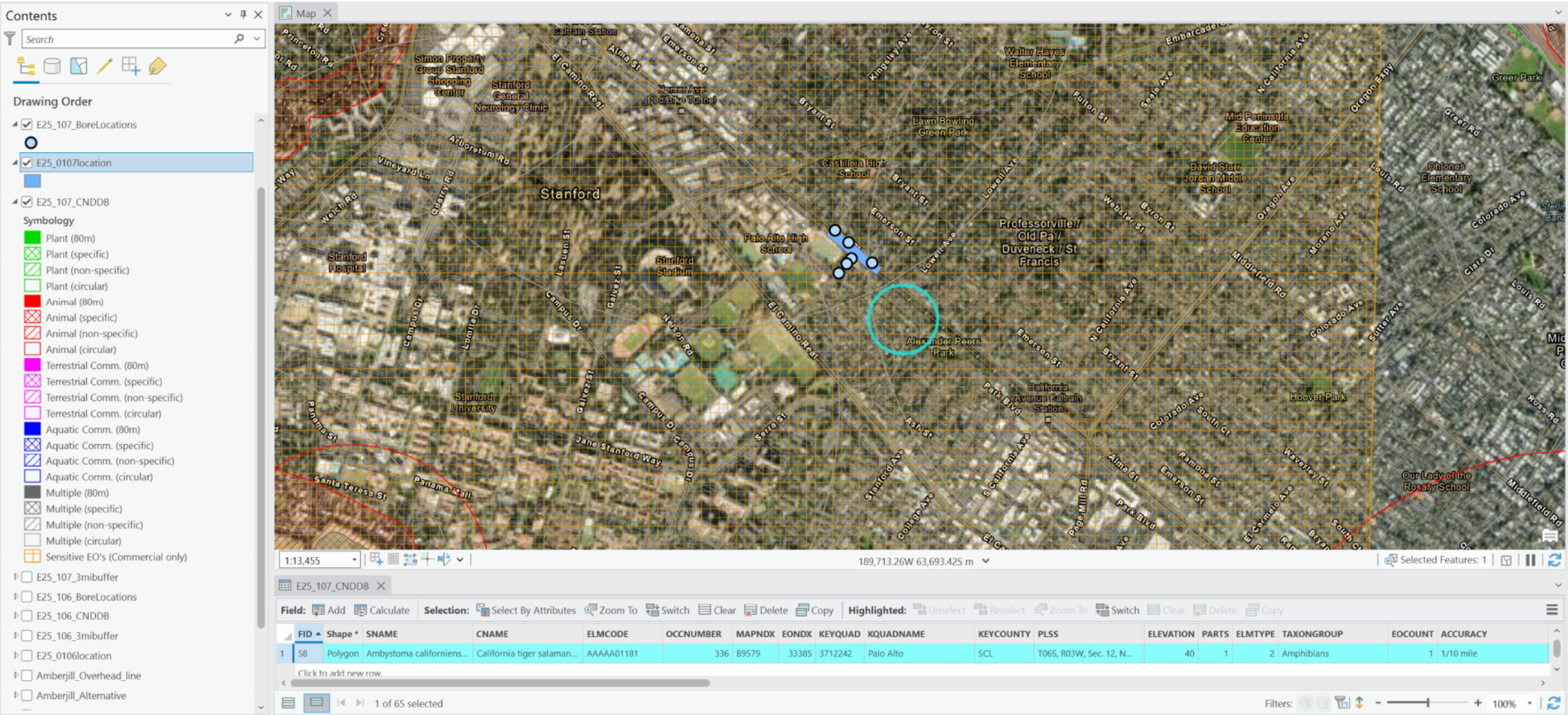
Attachment 4 - California Natural Diversity Database (CNDDB) Records Search

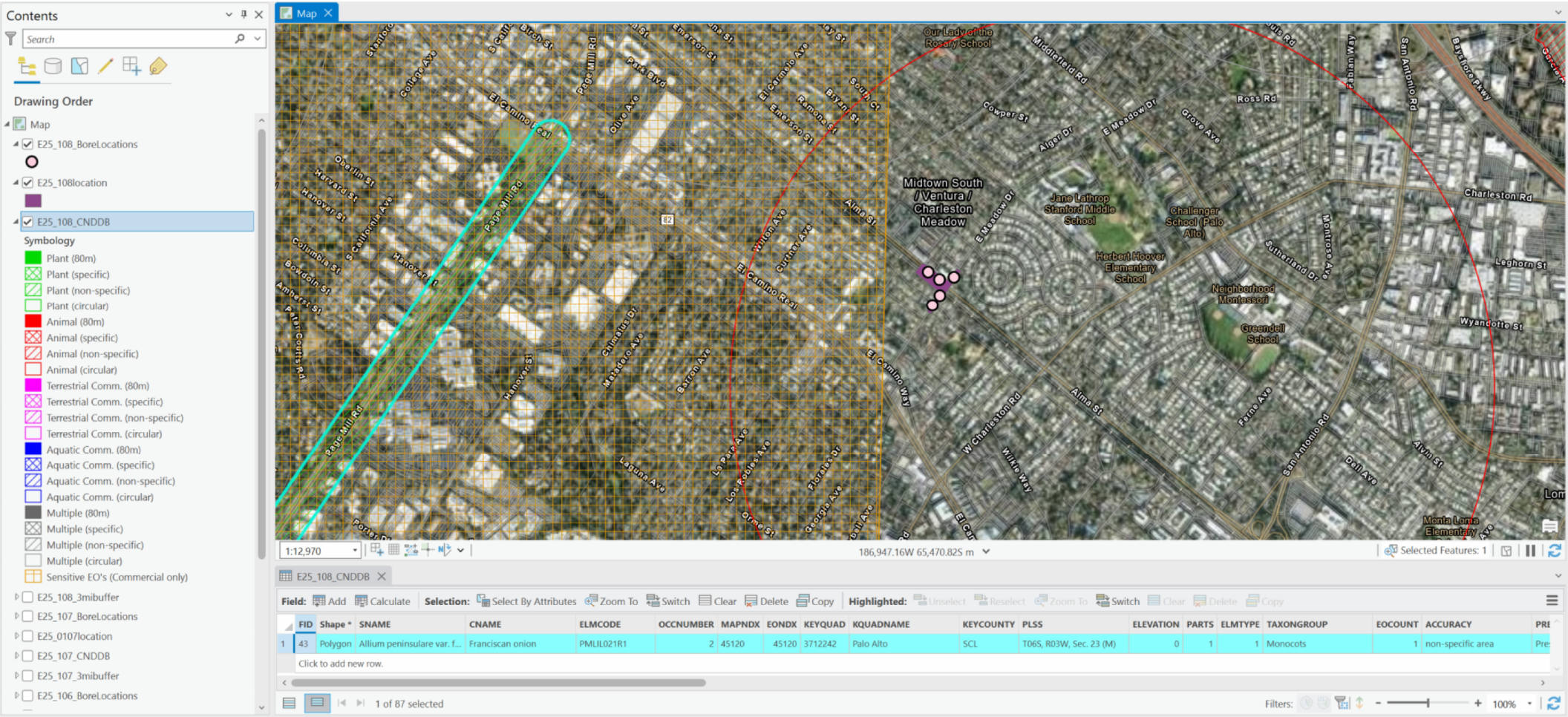
Table 2: CNDDB Output Data			
Common Name	**Scientific Name**	**Species Status**	**Potential Presence within the Project Area (Yes/No)**
Charleston Road Crossing			
Birds			
American peregrine falcon	*Falco peregrinus anatum*		No
California Ridgway's rail	*Rallus obsoletus obsoletus*	FE; SE; SFP	No
California black rail	*Laterallus jamaicensis coturniculus*	ST; SFP; BLMS	No
black skimmer	*Rynchops niger*	SSC; BCC	No
saltmarsh common yellowthroat	*Geothlypis trichas sinuosa*	SSC; BCC	No
Reptiles			
San Francisco gartersnake	*Thamnophis sirtalis tetrataenia*	FE; SE; SFP	No
northwestern pond turtle	*Actinemys marmorata*	FPT; SSC; BLMS; USFSS	No
Amphibians			
California red-legged frog	*Rana draytonii*	FT; SSC	No
California tiger salamander - central California DPS	*Ambystoma californiense pop. 1*	FT; ST; WL	No
Mammals			
American badger	*Taxidea taxus*	SSC	Yes (unlikely to occur due to built-up and disturbed nature)
Invertebrates			
Crotch's bumble bee	*Bombus crotchii*	CE	No
Plants			
Congdon's tarplant	*Centromadia parryi ssp. congdonii*	BLMS	No
Churchill Avenue Crossing			
Birds			
California Ridgway's rail	*Rallus obsoletus obsoletus*	FE; CE	No
California black rail	*Laterallus jamaicensis coturniculus*	ST; SFP; BLMS	No
black skimmer	*Rynchops niger*	SSC; BCC	No
saltmarsh common yellowthroat	*Geothlypis trichas sinuosa*	SSC; BCC	No
Reptiles			
San Francisco gartersnake	*Thamnophis sirtalis tetrataenia*	FE; SE; SFP	Yes (unlikely to occur due to built-up and disturbed nature)
northwestern pond turtle	*Actinemys marmorata*	FPT; SSC; BLMS; USFSS	Yes (unlikely to occur due to built-up and disturbed nature)
Amphibians			
California red-legged frog	*Rana draytonii*	FT; SSC	No
California tiger salamander - central California DPS	*Ambystoma californiense pop. 1*	FT; ST; WL	No
Mammals			
American badger	*Taxidea taxus*	SSC	Yes (unlikely to occur due to built-up and disturbed nature)
Invertebrates			
Crotch's bumble bee	*Bombus crotchii*	CE	No
Meadow Drive Crossing			
Birds			
American peregrine falcon	*Falco peregrinus anatum*		No
California Ridgway's rail	*Rallus obsoletus obsoletus*	FE; SE; SFP	No
California black rail	*Laterallus jamaicensis coturniculus*	ST; SFP; BLMS	No
black skimmer	*Rynchops niger*	SSC; BCC	No
saltmarsh common yellowthroat	*Geothlypis trichas sinuosa*	SSC; BCC	No
Reptiles			
San Francisco gartersnake	*Thamnophis sirtalis tetrataenia*	FE; SE; SFP	No
northwestern pond turtle	*Actinemys marmorata*	FPT; SSC; BLMS; USFSS	No
Amphibians			
California red-legged frog	*Rana draytonii*	FT; SSC	No
California tiger salamander - central California DPS	*Ambystoma californiense pop. 1*	FT; ST; WL	No
Mammals			
American badger	*Taxidea taxus*	SSC	Yes (unlikely to occur due to built-up and disturbed nature)
Invertebrates			
Crotch's bumble bee	*Bombus crotchii*	CE	No
Plants			
Congdon's tarplant	*Centromadia parryi ssp. congdonii*	BLMS	No
Source: CNDDB			

Status codes: FE=Federal Endangered; FT=Federal Threatened; FPT=Proposed Federal Threatened; FPE=Proposed Federal Endangered; SE=State Endangered; ST=State Threatened; CE=California Candidate Endangered; CT=California Candidate Threatened; SFP=State Fully Protected; SSC=California Species of Special Concern; WL=California Watch List; BLMS=BLM Sensitive Species; USFSS=US Forest Service Sensitive; BCC=USFWS Birds of Conservation Concern.


Churchill Avenue Crossing
Meadow Drive Crossing
Charleston Road Crossing
Canyon
Eagle Hill
Central
Marsh Rd
Bayfront
Loorel Manor
Suburban Park
North Fair Oaks
Flood Triangle
Palm
Roosevelt
Emerald Lake Hills
Laurel Elementary School
Menlo Oaks
East Palo Alto
Atherton
The Willows
Farm Hills
Woodside Plaza
280
Menlo Park
West Atherton
Cañada College
Woodside Hills
Allied Arts
Stanford Park
Palo Alto
Embarcadero Rd
West Menlo
Woodside Heights
Stanford
Woodside
West Menlo Park
Oregon Expy
Middlefield Rd
Shoreline Golf Links
Sharon Heights
Stanford Hills
El Camino Real
South Shore Port
Stanford Weekend Acres
84
San Antonio Rd
Moffett Federal Airfield
W Middlefield Rd
Wunderlich County Park
Jasper Ridge Biological Preserve
Stanford University
Page Mill Rd
Central Expy
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Moffett Blvd
Ladera
Sunnyvale Golf Course
E Middlefield Rd
Foothill Expy
W El Camino Real
Stanford University
Mountain View
N Mathilda Ave
N Fair Oaks Ave
Sky Londa
Central Portola Valley
Portola Rd
Los Altos
W Valley Fwy
Central Expy
Portola Valley
Cuesta Dr
Grant Rd
Los Altos Hills
Sunnyvale
Portola Valley Ranch
San Francisco Bay National Wildlife Refuge
County of Santa Clara, California State Parks, Esri, TomTom, Garmin, Sat Grani, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, USDA, USFWS, County of Santa Clara, Maxar

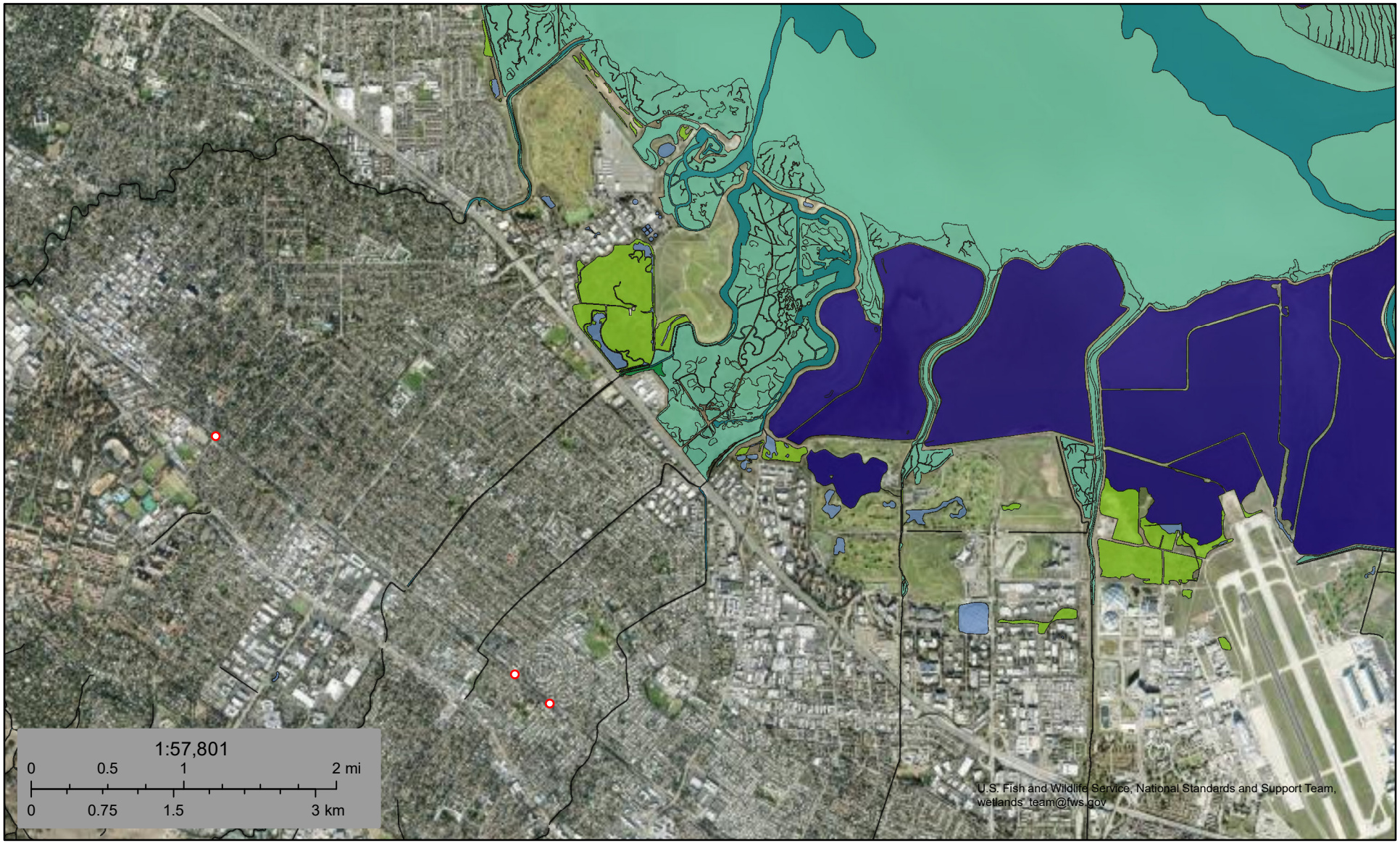

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Amberjill_5miBuffer
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E25_107_CNDDB
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Amberjill_Alternative
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Alexander Peers Park
Professorville / Old Pa / Duveneck / St Francis
Castilleja High School
Lawn Bowling Green Park
Stanford Hospital
Stanford University
Hoover Park
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E25_108location
E25_108_CNDDB
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E25_107_BoreLocations
E25_0107location
E25_107_CNDDB
E25_107_3mibuffer
E25_106_BoreLocations
Map
Our Lady of the Rosary School
Midtown South / Ventura / Charleston Meadow
Jane Lathrop Stanford Middle School
Herbert Hoover Elementary School
Challenger School (Palo Alto)
Neighborhood Montessori
Greendell School
Monta Loma Elementary
Page Mill Rd
El Camino Real
Alma St
Charleston Rd
Ross Rd
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U.S. Fish and Wildlife Service
National Wetlands Inventory

PAGS Geotechnical Borings Project



August 18, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine
- General Boring Location

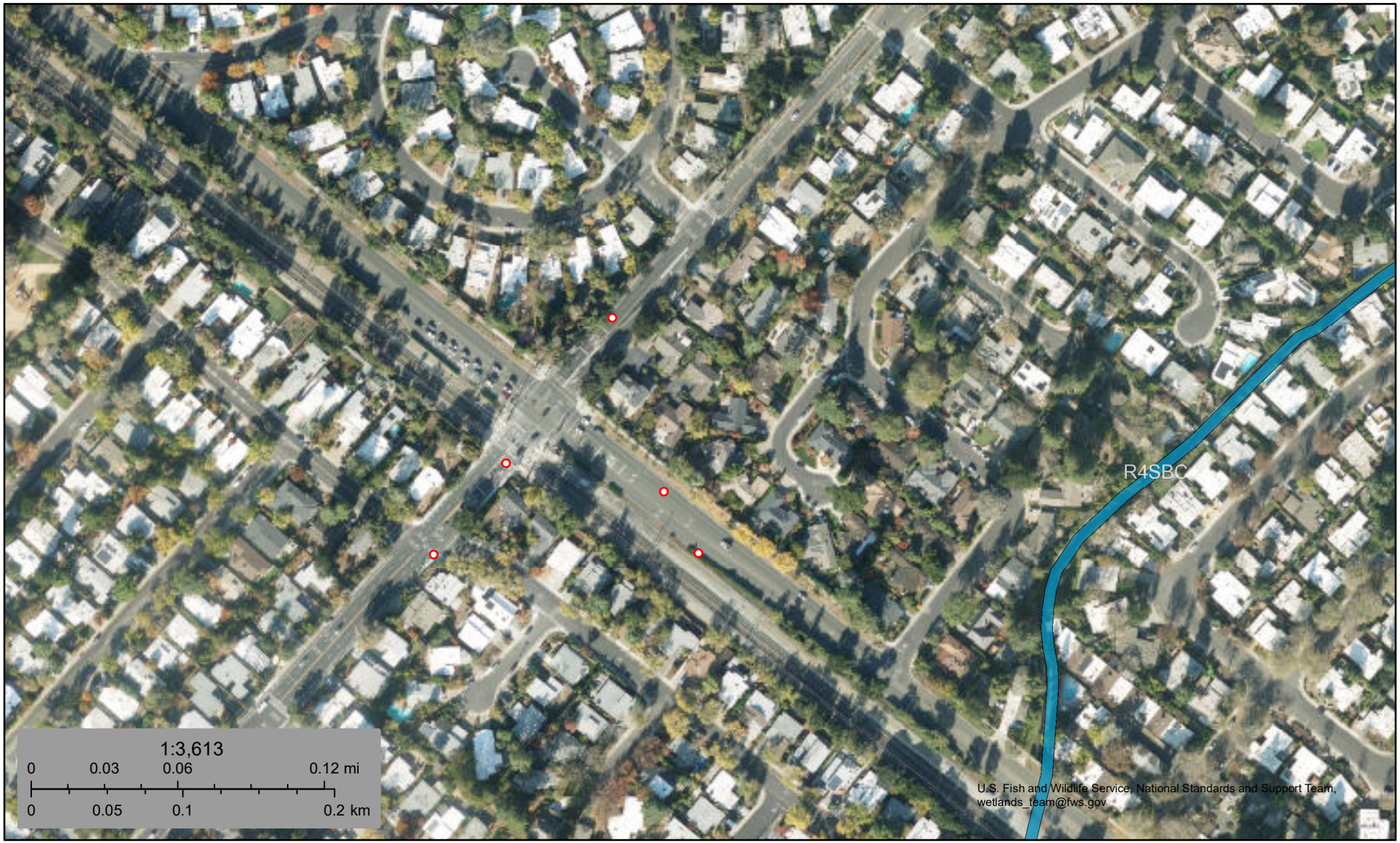
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

U.S. Fish and Wildlife Service

National Wetlands Inventory

Charleston Avenue - National Wetlands Inventory



August 18, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine
- Boring Location

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

U.S. Fish and Wildlife Service

National Wetlands Inventory

Churchill Avenue Crossing - National Wetlands Inventory



August 18, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine
- Boring Location

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

U.S. Fish and Wildlife Service

National Wetlands Inventory

Meadow Drive - National Wetlands Inventory



August 18, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine
- Boring Location

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Attachment 5 - Non-Confidential Class I Cultural Resources Records Search Memorandum

MEMORANDUM

To:	Megan Peterson Project Manager Kimley-Horn and Associates, Inc. 2121 S. El Camino Real, Suite 550, San Mateo, CA 94403
From:	Jessica Mauck, MA, RPA Cultural Resources Program Manager Kimley-Horn and Associates, Inc. 3801 University Avenue, Suite 300, Riverside, CA 92501
Date:	August 26, 2025
Subject:	Non-Confidential Class I Cultural Resources Desktop Memorandum for Geotechnical Borings for the Palo Alto Grade Separation Project in the City of Palo Alto, Santa Clara County, California

Dear Ms. Peterson,

Kimley-Horn and Associates, Inc. (Kimley-Horn) prepared a Phase I Cultural Resources Desktop Memorandum for geotechnical boring locations within the Palo Alto Grade Separation Project area located in the City of Palo Alto (City), Santa Clara County, California. This objective of the memorandum is to identify any previously recorded cultural resources within or near the boring locations, henceforth referred to as the Project area, as well as the level of archaeological sensitivity of the Project area. This report was completed by reviewing cultural resources records held by the Northwest Information Center (NWIC), historic aerial imagery, topographic/geological maps, and other publicly available information. The Phase I Cultural Resources Desktop Memorandum was completed in support of the Project's review and applicability as a Categorical Exemption under the California Environmental Quality Act (CEQA).

Project Description

The Project consists of multiple geotechnical boring and testing locations within the roadway of three (3) existing intersections within the City of Palo Alto in Santa Clara County, California (Figure 1). Specifically, the Project area is separated into 3 sections and includes:

- Project Area 1: Six (6) testing locations at the intersection of Alma Street and Churchill Avenue
- Project Area 2: Five (5) testing locations at the intersection of Alma Street and Meadow Drive
- Project Area 3: Five (5) testing locations at the intersection of Alma Street and West Charleston Road

The record search area for the Project was expanded to include the roadway immediately adjacent and between each testing location (Figures 2-4).

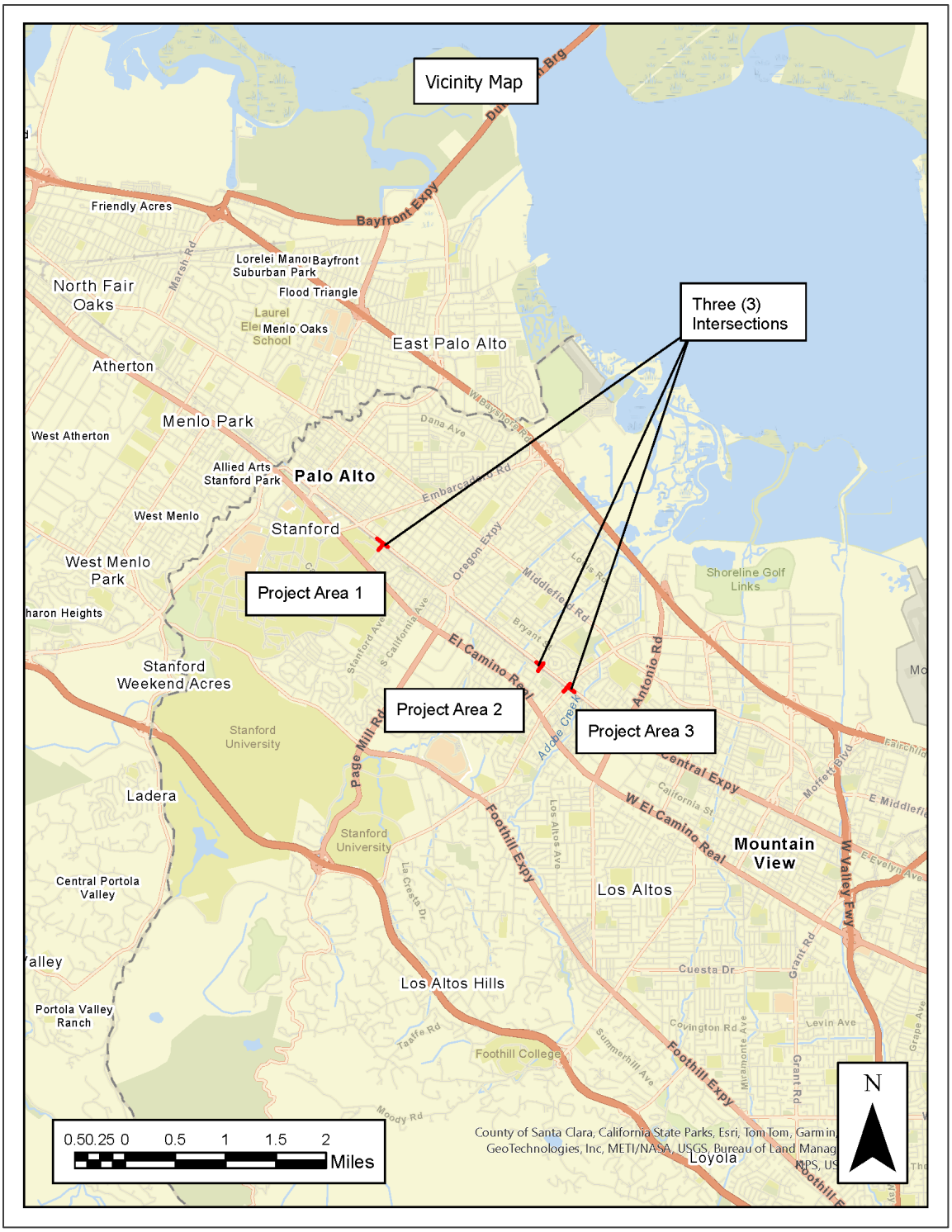


Figure 1: Project Vicinity Map



Figure 2: Project Area 1

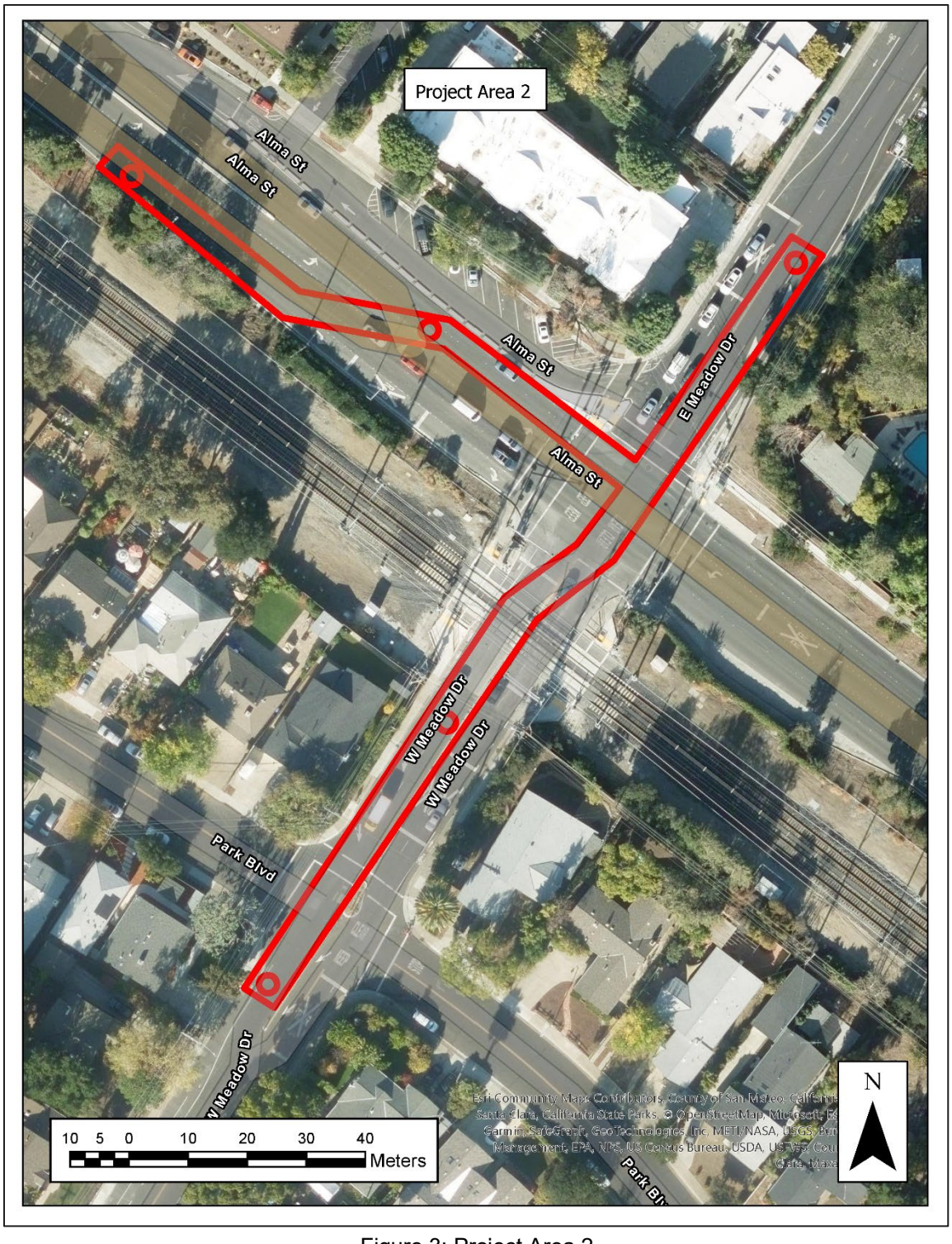


Figure 3: Project Area 2



Figure 4: Project Area 3

Regulatory Setting

California Environmental Quality Act

The California Environmental Quality Act (CEQA) requires state and local agencies to identify the significant environmental impacts of their actions and to avoid or mitigate those impacts, if feasible. CEQA applies to all discretionary projects undertaken or subject to approval by the state's public agencies. The agencies consider the potentials impacts to cultural resources as part of the environmental review. Under CEQA, "a project with an effect that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect on the environment" (Cal. Code Regs. Tit. 14(3), § 15064.5(b)). Guidelines for Implementation of CEQA (State CEQA Guidelines) section 15064.5(a) defines a "historical resource" as a resource that meets one or more of the following criteria:

- Listed in, or eligible for listing in, the California Register of Historical Resources (California Register)
- Listed in a local register of historical resources (as defined at Cal. Public Res. Code § 5020.1(k))
- Identified as significant in a historical resource survey meeting the requirements of § 5024.1(g) of the Cal. Public Res. Code
- Determined to be a historical resource by a project's lead agency (Cal. Code Regs. Tit. 14(3), § 15064.5(a))

A historical resource consists of "Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California…Generally, a resource shall be considered by the lead agency to be 'historically significant' if the resource meets the criteria for listing in the California Register of Historical Resources" (Cal. Code Regs. Tit. 14(3), § 15064.5(a)(3)). The significance of a historical resource is impaired when a project demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for the California Register. If an impact on a historical or archaeological resource is significant, CEQA requires feasible measures to minimize the impact (State CEQA Guidelines § 15126.4 (a)(1)). Mitigation of significant impacts must lessen or eliminate the physical impact that the project will have on the resource. Section 5024.1 of the Cal. Public Res. Code established the California Register. Generally, a resource is considered by the lead agency to be "historically significant" if the resource meets the criteria for listing in the California Register (Cal. Code Regs. tit. 14(3), § 15064.5(a)(3)).

In summary, if the proposed Project is subject to CEQA in the future, the City of Anaheim may require the preparation of a Cultural Resources Assessment to determine whether the project contains, or could reasonably contain, significant cultural resources as defined by CEQA and to support the City's review of potential impacts to the cultural resources within the Project area. The City would incorporate the results of the cultural resources technical study into their CEQA environmental document for the Project. The Project Applicant would be required to comply with the any cultural resources mitigation measures outlined in the Project's CEQA document.

California Health and Safety Code

California Health and Safety Code § 7050.5-7055 governs the process for managing inadvertent discoveries of human remains. In the event that human remains are encountered in the Project area during construction or the course of any ground disturbing activities, State Health and Safety Code Section 7050.5 requires that all such activities shall halt immediately. No further ground disturbance shall occur in the vicinity until the County Coroner has made the necessary findings as to the origin of the human remains pursuant to California Public Resources Code Section 5097.98. Should the remains be Native American in origin, the Coroner shall contact the Native American Heritage Commission (NAHC), who shall designate a Most Likely Descendant (MLD). The MLD and Landowner shall confer as to the appropriate treatment and disposition of the human remains in accordance with the law.

Cultural and Historical Background

The archaeological record indicates that human occupation in the Bay Area extends to at least 5,000-7,000 years. Regional chronology was established in the early 20th century by Uhle (1907) and Nelson (1909). Uhle excavated a trench into the thirty-foot high Emeryville mound of CA-ALA-309 on the San Francisco Bay east shore. Uhle noted stratigraphic differences in mortuary patterns and artifactual assemblages and concluded that cultural changes had occurred. After those foundational studies, archaeologists largely focused on the excavation and analysis of shellmounds to identify changes in technologies and artifact types in the San Francisco Bay region (Schneider 2021). Some shellmounds in the San Francisco Bay region have dated to 5,000 years old (Lightfoot and Luby 2002).

The Project area is located within the ancestral lands of Native American communities speaking the Costanoan language, specifically known as the Ohlone (Costanoan) and Ramaytush, a branch of the Ohlone. Coastanoan is derived from the Spanish word “costenos” meaning coast-dweller, and therefore it is not a traditional word used by Native Americans (Johnson 1996). For the purposes of this ethnographic context, Costanoan-speaking communities traditionally associated with the Project area will be broadly referred to as the Ohlone. The Ohlone encompass many Tribal communities that have inhabited the San Francisco Bay region. The Ohlone communities traditionally practiced hunting, gathering, and fishing (Levy 1978). Acorns were the primary staple of the Ohlone diet. Sociopolitical organization centered on individual villages united by a shared language and similar cultural practices. Ohlone communities lived in large, complex villages and utilized temporary campsites for procurement of seasonally available floral and faunal resources. Ethnographic data for the Ohlone is generally lacking, though some ethnographic information was recorded by Harrington (1981), which included notes about Ohlone places across the bay. The locations of Ohlone villages and places continues to be the subject of anthropological debate (Levy 1978). Despite harmful narratives about extinction, contemporary research and oral histories outline the presence of the Ohlone in this area, and many Ohlone communities are active in the present day (Kroeber 1925; Laverty 2010; Leventhal 1994).

Like many Native American communities in California, the Ohlone were severely decimated as a result of harmful displacement, forced labor, and disease due to the arrival of Europeans and the mission system. After the vast decimation of communities in the region due to forced removal, disease, and forced labor, the Spanish missions ended with the Decree for the Secularization of the Missions of California (King 2011). Mexico gained independence from Spain, and the program of Mexican Land

Grants in California began. During this time, many Native Americans that remained in the region were used for agricultural labor (Bancroft 1886; Bean and Smith 1978). The Treaty of Guadalupe Hidalgo in 1848 ended the Mexican-American War and the Mexican Rancho Period. After California achieved statehood in the U.S. in 1850, a farming community named Mayfield was established by James Otterson between modern-day San Jose and San Francisco. Nearby timber harvesting and lumber operations brought profitability to the community, and a railroad was soon established in the town. By the 1860s, wealthy families from San Francisco began building estates along the rail, including Leland Stanford's Palo Alto Stock Farm that eventually became famous for world records in trotting races. Sadly, the family suffered the loss of their only child to typhoid in the 1880s while travelling abroad. This led to the establishment of Leland Stanford Junior University in 1891 in his honor, which eventually was shorted to Stanford University. The establishment of the University led to growth in the Palo Alto area, and by 1925, the town of Mayfield was annexed into the City of Palo Alto (City of Palo Alto).

Research Results

NWIC Records Searches

A cultural resources records search was submitted to the Northwest Information Center (NWIC) on August 10, 2025 for the Project area plus a 0.25-mile buffer, the results for which were received on August 21, 2025 (Appendix A). The results indicated that nine (9) cultural resources investigations have taken place within the Project area, resulting in the recordation of two (2) cultural resources: P-43-000595, a large prehistoric archaeological site, and P-43-000928, a segment of the Southern Pacific Railroad. The results also noted that an additional six (6) cultural studies have taken place within 0.25-miles of the Project area, resulting in the recordation of 10 cultural resources: two (2) prehistoric archaeological sites and eight (8) historic built environment resources.

Upon further investigation of the locations of P-43-000595 and P-43-000928 within the Project area prepared for this study, it was determined that the geotechnical investigations would not occur within the footprint of P-43-000928. Conversely, two (2) geotechnical boring locations are located within the boundary of P-43-000595. However, it was previously determined in 2018 that, while the site as a whole remains eligible for listing in the California Register of Historical Resources (CRHR) and the National Register of Historic Places (NRHP), the portion of the site within the roadway lacks integrity and is not considered a contributor to the eligibility of the site. As such, while P-43-000595 is a historical resource, as defined by CEQA, the geotechnical testing will not result in an adverse change to the significance of the resource.

Additional Research

Kimley-Horn reviewed the following publicly available cultural resources databases: National Register of Historic Places (NRHP), National Historic Landmarks (NHL), California Register of Historical Resources (CRHR), and the Built Environment Resources Directory (BERD). A review of resource databases and repositories did not result in the identification of any present cultural resources in the proposed Project area. Kimley-Horn also conducted a review of available historical and topographic maps, as well as aerial imagery. Historic topographic maps of the proposed Project area date to 1897. At this time, maps already show an established grid system with a moderate level of residential development that slowly increases over the course of the early 1900s (Historic Aerials 2025). The

earliest aerial imagery is from 1948 and shows the Project area as a fully developed road within developed City environment. The Project area and vicinity remains in the same developed condition in the present day (Historic Aerials 2025).

Findings

As a result of the record searches and research conducted for this Memorandum, a total of two (2) cultural resources were identified within the Project area: P-43-000595, a large prehistoric archaeological site, and P-43-000928, a segment of the Southern Pacific Railroad. Upon further investigation of the locations of P-43-000595 and P-43-000928 within the Project area prepared for this study, it was determined that the geotechnical investigations would not occur within the footprint of P-43-000928. Conversely, two (2) geotechnical boring locations are located within the boundary of P-43-000595. However, it was previously determined in 2018 that, while the site as a whole remains eligible for listing in the California Register of Historical Resources (CRHR) and the National Register of Historic Places (NRHP), the portion of the site within the roadway lacks integrity and is not considered a contributor to the eligibility of the site. As such, while P-43-000595 is a historical resource, as defined by CEQA, the geotechnical testing will not result in an adverse change to the significance of the resource. No other cultural resources were identified within the Project area.

In its current condition, the Project area has a low potential for intact archaeological resources due to the extent of development. However, prior to historic and modern development, the Project area was likely moderate-to-high in its archaeological sensitivity, and there is at least one (1) known prehistoric archaeological site within the Project area. As such, though the likelihood of intact archaeological resources remaining within the Project area is low, it is recommended that conditions related to the inadvertent discovery of cultural resources and human remains be included for the Project. An example of such conditions are included below:

- In the event that archaeological resources are inadvertently unearthed or encountered during demolition, excavation, and/or grading activities, all work within 60 ft of the find shall cease and an archaeologist that meets Secretary of Interior professional qualifications in archaeology shall be contacted. The archaeologist shall record and evaluate the resource for potential significance. Should the archaeologist have concerns that the find is potentially significant, the archaeologist shall prepare a mitigation plan for review and approval by the lead agency and any consulting Tribes. If avoidance of the resource(s) is not feasible, salvage operation requirements pursuant to State CEQA Guidelines Section 15064.5 shall be followed.

- If human remains are encountered during the undertaking, California State Health and Safety Code Section 7050.5 states that excavation shall stop and no further disturbance shall occur within 100 feet of the discovery until the County Coroner has made a determination of origin and disposition of the remains pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the Native American Heritage Commission (NAHC), which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery within 48 hours of notification. If the

NAHC is unable to identify an MLD, the MLD fails to make a recommendation, or the landowner or his/her authorized representative rejects the recommendation, the human remains and associated items will be interred on the property with appropriate dignity in a location that will not be subject to future disturbance.

Should you have any questions related to the information provided in this memorandum, please do not hesitate to contact me at jessica.mauck@kimley-horn.com.

Sincerely,



Jessica Mauck, MA, RPA
Cultural Resources Program Manager
Kimley-Horn and Associates, Inc.
RPA Number: 3724394

Appendices
A: Cultural Resources Records Search Results from the NWIC (Non-Confidential)

References

Bancroft, H.H. 1886. History of California Volume II 1800‑1824. Works of Hubert Howe Bancroft. The History Company, Publishers, San Francisco, California.

Bean, L.J. and C.R. Smith. 1978. Gabrielino. In Handbook of North American Indians, Vol. 8, California. William C. Sturtevant, gen. ed., Robert F. Heizer, vol. ed. Washington:

City of Palo Alto. 2022. History of Palo Alto. https://www.paloalto.gov/Departments/Planning-Development-Services/Historic-Preservation/History-of-Palo-Alto. Accessed August 26, 2025.

Harrington, John Peabody. 1981The Papers of John Peabody Harrington. National Anthropological Archives, Smithsonian Institution, Washington. Costanoan and Esselen series [1922-1939; 533 Reels 36-83]. Microfilm edition. Kraus International Publications: Millwood, New York.

Historic Aerials. 2025. Historic Aerial Viewer. https://www.historicaerials.com/viewer. Accessed August 24, 2025.

King, C. 2011. Overview of the History of American Indians in the Santa Monica Mountains. Topanga Archaeological Consultants. Submitted to the National Park Service, Pacific West Region, Santa Monica Mountains National Recreation Area, Los Angeles, California.

Kroeber, Alfred L. 1925. Handbook of the Indians of California. Bureau of American Ethnology Bulletin No. 78. Washington D.C.: Smithsonian Institution. Reprinted in 1976, New York: Dover.

Laverty, Philip Blair. 2010. Recognizing Indians: Place, Identity, History, and the Federal Acknowledgment of the Ohlone/Costanoan-Esselen Nation. PhD dissertation, University of New Mexico.

Leventhal, Alan, Les Field, Hank Alvarez, and Rosemary Cambra. 1994. The Ohlone: Back from Extinction. *The Ohlone Past and Present: Native Americans of the San Francisco Bay Region*, 297-336.

Levy, Richard S. 1978. Costanoan. In California, edited by Richard F. Heizer, pp.485-495. Handbook of North American Indians 8, William C. Sturtevant. Smithsonian Institution, Washington, D.C.

Lightfoot, Kent G., and Edward M. Luby. 2002. Late Holocene in the San Francisco Bay Area: Temporal Trends in the Use and Abandonment of Shell Mounds in the East Bay. In *Catalysts to Complexity: Late Holocene Societies of the California Coast*, edited by Jon M. Erlandson and Terry L.Jones, pp. 263–281. Perspectives in California Archaeology Vol. 6. Cotsen Institute of Archaeology, University of California, Los Angeles.

Nelson, Nels. 1909. Shellmounds of the San Francisco Bay Region. *University Of California Publications in American Archaeology and Ethnology* 7(4).

Schneider, Tsim D. 2021. *The Archaeology of Refuge and Recourse: Coast Miwok Resilience and Indigenous Hinterlands in Colonial California*. University of Arizona Press, 2021.

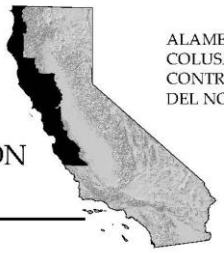
Uhle, Max. 1907. The Emeryville Shellmound. *University Of California Publications in American Archaeology and Ethnology* 7(1).

Appendix A:

Cultural Resources Records Search Results from the NWIC

(Non-Confidential)

CALIFORNIA HISTORICAL RESOURCES INFORMATION SYSTEM



ALAMEDA
COLUSA
CONTRA COSTA
DEL NORTE
HUMBOLDT
LAKE
MARIN
MENDOCINO
MONTEREY
NAPA
SAN BENITO
SAN FRANCISCO
SAN MATEO
SANTA CLARA
SANTA CRUZ
SOLANO
SONOMA
YOLO

Northwest Information Center
Sonoma State University
1400 Valley House Drive, Suite 210
Rohnert Park, California 94928-3609
Tel: 707.588.8455
nwic@sonoma.edu
https://nwic.sonoma.edu

8/15/2025 NWIC File No.: 25-0246

Jessica Mauck
Kimley-Horn & Associates
3801 University Ave, Suite 300
Riverside, CA 92501

Re: Palo Alto Grade Separation Project

The Northwest Information Center received your record search request for the project area referenced above, located on the Palo Alto USGS 7.5' quad(s). The following reflects the results of the records search for the project area and a 0.25 mi. radius:

Resources within project area:	P-43-000595, P-43-000928
Resources within 0.25 mi. radius:	P-43-000551, P-43-000619, P-43-000669, P-43-002809, P-43-002871, P-43-003139, P-43-003691, P-43-003698, P-43-003705, P-43-003719
Reports within project area: [no shapes requested]	S-10077, 11396, 2645, 29573, 29657, 33061, 41536, 48738*, 54832
Reports within 0.25 mi. radius: [no shapes requested]	S-25174, 25271, 35009, 39469, 41600, 44025

[* no PDF included, contains 2385 pages]

Resource Database Printout (list): ☒ enclosed ☐ not requested ☐ nothing listed

Resource Database Printout (details): ☒ enclosed ☐ not requested ☐ nothing listed

Resource Digital Database Records: ☐ enclosed ☒ not requested ☐ nothing listed

Report Database Printout (list): ☒ enclosed ☐ not requested ☐ nothing listed

Report Database Printout (details): ☒ enclosed ☐ not requested ☐ nothing listed

Report Digital Database Records: ☐ enclosed ☒ not requested ☐ nothing listed

Resource Record Copies: [within] ☒ enclosed ☐ not requested ☐ nothing listed

Report Copies: [within] ☒ enclosed ☐ not requested ☐ nothing listed

OHP Built Environment Resources Directory: ☒ enclosed ☐ not requested ☐ nothing listed

Archaeological Determinations of Eligibility: ☐ enclosed ☐ not requested ☒ nothing listed

CA Inventory of Historic Resources (1976):	☐ enclosed	☐ not requested	☒ nothing listed
GLO and/or Rancho Plat Maps:	☐ enclosed	☒ not requested	☐ nothing listed
Historical Maps:	☐ enclosed	☒ not requested	☐ nothing listed
Local Inventories:	☐ enclosed	☒ not requested	☐ nothing listed
Caltrans Bridge Survey:	☐ enclosed	☒ not requested	☐ nothing listed
Ethnographic Information:	☐ enclosed	☒ not requested	☐ nothing listed
Historical Literature:	☐ enclosed	☒ not requested	☐ nothing listed
Shipwreck Inventory:	☐ enclosed	☒ not requested	☐ nothing listed

Please forward a copy of any resulting reports from this project to the office as soon as possible. Due to the sensitive nature of archaeological site location data, we ask that you do not include resource location maps and resource location descriptions in your report if the report is for public distribution. If you have any questions regarding the results presented herein, please contact the office at the phone number listed above.

The provision of CHRIS Data via this records search response does not in any way constitute public disclosure of records otherwise exempt from disclosure under the California Public Records Act or any other law, including, but not limited to, records related to archeological site information maintained by or on behalf of, or in the possession of, the State of California, Department of Parks and Recreation, State Historic Preservation Officer, Office of Historic Preservation, or the State Historical Resources Commission.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

Should you require any additional information for the above referenced project, please reference the record search number listed above. Requests made after initial invoicing will result in the preparation of a separate invoice.

Thank you for using the California Historical Resources Information System (CHRIS).

Sincerely,

Annette Neal

Researcher