REVISED SOIL AND GROUNDWATER MANAGEMENT PLAN

ALAMEDA HIGH SCHOOL SWIM CENTER MODERNIZATION AND CAMPUS FENCING
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNIA, 94501
DSA APPLICATION 01-121651
CPS CASE NO. RO0003666

PREPARED FOR:

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KLEINFELDER PROJECT # 25002610.001A
MAY 28, 2024

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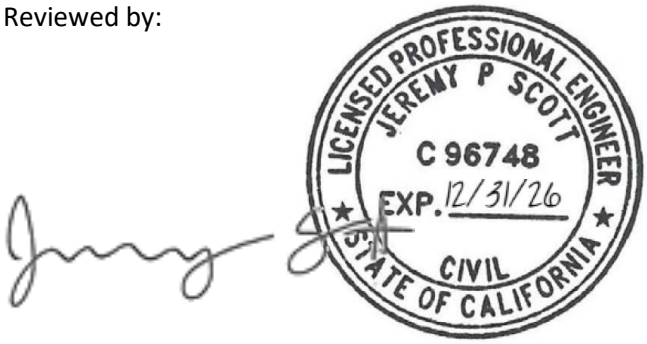
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ALAMEDA, CALIFORNIA

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1 INTRODUCTION

This Revised Soil and Groundwater Management Plan (SGMP or Plan) has been prepared at the request of Alten Construction (Alten) and Alameda Unified School District (AUSD) as an update to the Soil Management Plan issued in November 2024 (Kleinfelder, 2024), This revision is issued as a result of additional site characterization data obtained by Kleinfelder between February and May 2025, expanded to cover other active construction areas, and to provide greater details of the management of groundwater.

The SGMP provides guidelines for managing soils and groundwater that will be handled during construction activities at Alameda High School located at 2200 Central Avenue, Alameda, California (Site) shown in Figures 1 and 2. This document will also present the Perimeter Air Monitoring Plan to be used during construction activities. This SGMP provides guidance for implementation of the corrective actions discussed in the *Corrective Action Plan for Alameda High School Swim Center Modernization and Campus Fencing* (Kleinfelder, 2025a).

The Swim Center Modernization project includes demolition of an existing pool facility, excavation and grading, and construction of a new pool facility which includes an exterior flatwork pool deck, a pool house, site utilities, and a new tennis court. The project is expected to require shoring with cuts up to approximately 10 feet in depth. Soils generated during earth disturbing activities are expected to be off-hauled during construction. Shallow groundwater will be dewatered during construction; accordingly, this SGMP also addresses handling of groundwater during construction.

The Campus Fencing project includes removal of select existing security infrastructure and installation of new vehicle gates, metal fencing, pedestrian gates, and accessible ramps, and will require excavations to approximately 6 feet in depth.

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2 BACKGROUND

This SGMP provides guidelines for managing soils and groundwater that will be handled during construction activities at the AUSD's Alameda High School at 2200 Central Avenue, Alameda, California (Site), per the request of Alten Construction (Alten) and AUSD.

The construction activities covered by this SGMP include the Swim Center Modernization project and associated work at the Swim Center, the New Tennis Court, and the Electrical Connection, as well as the work under the Campus Fencing project.

This document provides additional soil and groundwater handling requirements to supplement the following documents from Alten and their subcontractors:

- Alten Construction's Site Specific Injury Illness and Prevention Plan (IIPP); included as Appendix A.
- Professional Asbestos and Lead Services, Inc (PALS) *Soil Health and Safety Plan For the Alameda High School – Swim Center Modernization Project Located at 2200 Central Avenue Alameda, CA 94501*, dated November 5, 2024, included as Appendix B.

2.1 REGULATORY OVERSIGHT

Following excavation of lead-impacted soils in December 2024, the Alameda County Environmental Health Department (ACEHD) was notified of the lead impacts observed on the Swim Center site. On December 19, 2024 ACEHD directed AUSD to cease soil disturbance activities at the Swim Center until further assessment of lead and other impacts in soils could be completed. On December 23, 2024, AUSD entered into a Voluntary Remedial Action Agreement with ACEHD, under Cleanup Program Site Case Number RO0003666.

Under ACEHD oversight, Kleinfelder completed a Site investigation, which included soil and groundwater sampling at the Swim Center, the New Tennis Courts, the Electrical Connection trench for the Swim Center, the adjacent softball fields, and the Campus Fencing project locations; this investigation is discussed in the *Site Characterization Report, Alameda High School Swim Center Modernization* (Kleinfelder, 2025b).

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Additionally, Kleinfelder prepared a *Conceptual Site Model* (CSM) to assess the Site history, setting, previous assessments, remedial activities, and proposed development plans against pathways that contaminants at the site may take from the source to the potential receptors (Kleinfelder, 2025c).

Finally, Kleinfelder prepared a Hydrogeological Assessment to assess regional groundwater conditions and flow directions and estimate the radius of influence under the proposed construction dewatering activities (Kleinfelder, 2025d).

2.2 ALAMEDA HIGH SCHOOL SOIL CONDITIONS

A discussion of the historical uses of the Alameda High School property (including the Swim Center and Campus Fencing locations) is provided in the CSM (Kleinfelder, 2025c). Past uses at the site include the Porter School, single-family residential homes, local businesses, a French laundry, the Puget Sound Lumber Company, and associated school buildings. Figure 3 shows the Site layout with historical features.

A discussion of contamination at the Site is provided in the Site Characterization Report (Kleinfelder, 2025b). Comprehensive data tables from the 2025 investigation activities are provided as Appendix H of that document. Comprehensive laboratory reports from the waste characterization sampling from 2024 are provided in Appendix B of that document.

Maximum soil and groundwater contaminant concentrations from samples collected on the Site during the recent 2025 sampling activities are presented in the tables below, as stated in the *Conceptual Site Model* (Kleinfelder, 2025c). These maximum concentrations were observed after removal of the lead-impacted soils observed during the waste characterization sampling (see Soil Off-Haul discussion below).

Contaminant	Maximum Concentration in Soil (mg/kg)	Applicable SFBRWQCB ESL/Background Level* (mg/kg)	Basis	Sample Location	Date	Depth (feet bgs)
Arsenic	26	0.067/11*	Background Level	SW-SC-15	2/27/2025	1.0 – 1.5
Barium	650	390	Terrestrial Habitat	SW-SC-02	2/26/2025	2.0-2.5
Hexavalent Chromium	0.94	0.30	Residential Direct Contact	SB-SC-05	2/27/2025	0.0-0.5
Lead	2,400	32	Terrestrial Habitat	F-2-3.0-3.5	4/23/2025	3.0-3.5

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Contaminant	Maximum Concentration in Soil (mg/kg)	Applicable SFBRWQCB ESL/Background Level* (mg/kg)	Basis	Sample Location	Date	Depth (feet bgs)
Thallium	1.0	0.78	Residential Cancer Risk	F-4-1.0-1.5	4/23/2025	1.0 – 1.5
Vanadium	85	18	Terrestrial Habitat	SB-ET-02	4/9/2025	1.0-1.5
Zinc	340	340	Terrestrial Habitat	SW-SC-02	2/26/2025	2.0-2.5
TPH-d	360	260	Residential Direct Contact/ Terrestrial Habitat	SS-SC-11	2/27/2025	0.0-0.5
4,4'-DDT	0.028	0.0011	Terrestrial Habitat	SW-SC-05	2/27/2025	4.0-4.5
Dieldrin	0.041	0.00096	Soil Leaching Non-Drinking Water	SB-SC-01	2/26/2025	0.0-0.5
Total PCBs**	0.66	0.23	Residential Cancer Risk	SB-SC-08	2/27/2025	0.0-0.5

* The arsenic in soil background level Urban Areas for the San Francisco Bay Region calculated by Duvergé is 11 mg/kg (Duvergé, 2011).

** Based on Aroclor-1254 being the only PCB detected above its laboratory reporting limit

Contaminant	Maximum Concentration (µg/L)	SFBRWQCB MCL ESL (µg/L)	SFBRWQCB Applicable ESL (µg/L)	Basis	Sample Location	Date
Hexavalent chromium	4.5	0.02	50,000	Gross Contamination	SB-SC-03	2/26/2025
Selenium	1.8	0.5	50,000	Gross Contamination	SB-SC-03	2/26/2025
TPH-d	540	100	5,000	Odor/Nuisance (non-drinking water)	SB-TC-04	2/27/2025
Chloroform	21	80	0.81	Vapor Intrusion	SB-SC-04	2/27/2025

2.3 2024 SOIL OFF-HAUL

During the initial phases of the Swim Center project, soil samples were collected to characterize waste soil generated during the project. One to three feet of non-native imported fill was observed at the Site and may potentially extend deeper in other areas (ACC, 2024a). This fill was described as grey-brown silty sand with gravel and debris, readily distinguishable from the brown-light brown fine grained well

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sorted native clay, and was likely imported in 1954 from an unknown source during the original construction of the Emma Hood pools (ACC, 2024a).

This material was characterized as California non-RCRA hazardous soils (i.e., Class I) (Kleinfelder, 2024); excavation of this material from the Swim Center began on December 2, 2024 and continued through December 17, 2024. An estimated 4,430 tons of excavated soil was transported to Clean Harbors landfill as California non-RCRA hazardous waste (ACC, 2025). This soil off-haul effort was targeted to remove the 1 to 3 feet of non-native imported fill observed at the Swim Center. The material removed was consistent with the non-native fill description above, and also included dark brown (e.g., chocolate-color) aggregate base material immediately below the pool deck concrete (Kleinfelder, 2025b).

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3 KEY ROLES AND RESPONSIBILITIES

The following is a list of key roles involved with preparation and execution of this SGMP:

- Owner: Alameda Unified School District (Site Lessor). Responsible for selecting and engaging the General Contractor (Site Lessee). Responsible for selecting and engaging Owner's environmental consultant. Involved with the Site construction activities and implementation of the SGMP. Responsible for review and approval of this SGMP and associated health and safety activities.

- General Contractor: Alten Construction (GC Lessee). Responsible for executing and overseeing the Site construction activities and managing the associated subcontractors and personnel. Responsible for implementation, oversight, compliance, and enforcement of this SGMP and associated health and safety activities, as outlined in the site specific IIPP.

- Owner's and GC Lessee's Environmental Consultant: Kleinfelder. Responsible for preparation of this SGMP and the SGMP Compliance Report. Responsible for site characterization activities. Responsible for sampling, monitoring, and oversight of this SGMP.

Alten Construction has identified the following subcontractors and the point-of-contact (POC) who are scheduled to perform work on-Site during the project. Additional subcontractors working on site shall be added, as necessary.

Company Name	License No.	POC Name	Role	Office or Mobile Phone
Alten Construction	705713	Harry Torrano	Superintendent	415-559-6063
Professional Abatement & Lead Services, LLC	700658	Steve Whittington	Hazardous Soil Management	510-750-7543
Duran and Venables	375068	Mike Garca	Site Grading	408-590-2924
Case Pacific	259827	Charlie Bower	Shoring and Drilled Piers	925-449-2590
Western Water Features	710366	Kooper Parkes	Pool Contractor	916-939-1058
AAA Fence	522762	Rex Yates	Perimeter Fence Footings	408-426-6539

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Company Name	License No.	POC Name	Role	Office or Mobile Phone
McGuire and Hester	95879	Ivan Vega	Irrigation	510-632-7676
Con J Franke	288366	Antonio Zuniga	Site Utilities	209-479-2489
Cal Pacific	924244	Noel Tejano	Site Utilities	510-334-2050
WR Forde	1025853	Tony Perez	Site Utilities	510-778-0811

Agency and public affairs contacts for the work to be completed are shown in the table below

Agency Name	POC Name	Role	Office or Mobile Phone
Craig Communications	Tracy Craig	Public Affairs Point of Contact	510-334-4866
AUSD	Erdmann Rogge	Case Worker	510-567-6704
City of Alameda Public Works Department	TBD	TBD	510-747-7900
Bay Area Air Quality Management District	TBD	TBD	800-334-6367
ACEHD Certified Unified Program Agency (CUPA)	Emily Hoe	Supervising Hazardous Materials Specialist	510-567-6765

3.1 WORK AREA CONTROL

Access to the Site and the soil handling areas shall be controlled using barricades, cones, flagging tape, and/or perimeter fencing, or other appropriate precautionary methods, as needed. Control of the work area will be the responsibility of the GC. In general, the work area shall be secured as to limit access only to the personnel qualified and authorized to be on-site.

3.2 HEALTH AND SAFETY

Alten's Injury Illness and Prevention Plan (IIPP also referred to Health and Safety Plan [HASP]) is appended to this plan in Appendix A. The HASP contains emergency directions, emergency contact information, as well as personal protective equipment (PPE) recommendations.

Alten's site-specific HASP has been amended to incorporate the dust monitoring and soil handling procedures outlined in this SGMP. Alten's specialty subcontractor, PALS, provided additional health and safety procedures required when working with lead in soils in their *Soil Health and Safety Plan For The*

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Alameda High School – Swim Center Modernization Project Located at 2200 Central Avenue Alameda, CA 94501 dated November 5, 2024; this plan is attached as Appendix B. PALS completed the soil off-haul in December 2024, and may be utilized for future phases of soil excavation and disposal.

Specialty contractor safety plans are intended to be used in conjunction with this SGMP to provide guidance and best practices for worker safety during handling of any California non-RCRA hazardous waste at the Site. Collectively, these safety and monitoring guidelines establish the procedures to control or minimize exposure to hazards from lead in soil and the appropriate levels of PPE.

Tailboard safety meetings shall be conducted daily to address planned activities and will include a sign-in sheet for any staff working at the Site each day.

3.3 EMERGENCY RESPONSE PLAN

If an emergency arises involving hazardous soils or other hazardous materials, all personnel will evacuate to a pre-determined area located upwind and a safe distance from the location of the concern. If appropriate based on the type of emergency, summon outside assistance, via calling emergency response personnel by dialing 911, to deal with the emergency.

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4 HAZARDOUS AND NON-HAZARDOUS WASTE DEFINITIONS

4.1 HAZARDOUS WASTE REGULATIONS

The following section provides a general overview of current regulations for the classification of hazardous wastes in California.

The term “hazardous waste,” as defined in the California Health and Safety Code (State of California, 2015), Section 25124, is a waste that, because of its concentration, quantity, or physical, infectious, or chemical characteristics, may cause or contribute to increased mortality or illness or pose a present or potential hazard to human health or the environment. There are two categories of hazardous waste in California, with such waste classified as either “RCRA Hazardous” waste (Federally regulated under the Resource, Conservation, and Recovery Act [RCRA]) or “non-RCRA Hazardous” waste (regulated by the State of California).

Sampling and classification of a waste, if and when required, must be performed in satisfaction of the following procedures/requirements:

- Representative sampling (including collection of multiple samples, if appropriate) of the material must be performed in accordance with procedures specified in the current version of the document published by the United States Environmental Protection Agency (USEPA) entitled Test Methods for Evaluating Solid Waste, Physical/Chemical Methods and also known as SW-846 (USEPA, 2015).

- The samples must be delivered to a laboratory accompanied by a “chain-of-custody” document that indicates the sample type, date/time sample was taken, sample size, sample source, quantity of the waste, type of sample container, place and address of collection, and the names and signatures of the person who collected the sample and person(s) subsequently in possession of the samples until they are received by the laboratory.

- A laboratory, following the analytical procedures outlined in California Code of Regulations (CCR) Title 22, Division 4.5 (State of California, 2015a), must perform the analysis. The laboratory must be accredited by the State of California to perform the specific waste analysis.

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4.2 HAZARDOUS WASTE CLASSIFICATIONS

For pre-profiling soils planned for disposal, the testing sequence is as follows:

- Collect in situ samples of soils in the planned cut or planned disposal area. Analyze in situ samples as discrete samples.
- Compare analytical results to transportation and disposal criteria for appropriately permitted landfills or disposal facilities. Where necessary, test for leachability of specific constituents in the soils.
- Identify any soils that exceed CCR Title 22 Total Threshold Limit Concentration (TTLC) values, CCR Title 22 STLC values, and/or USEPA TCLP values.

Based on the detected concentrations of chemical impacts observed in the soils, classifications at this Site include:

- Unrestricted re-use: for soils with chemical constituents below applicable screening levels (with the exception of arsenic, which must also be below background concentrations). This soil can be reused on-Site.
- Non-Hazardous: for soils with chemical constituents above residential screening levels, but below TTLC values. Also referred to as “Class II Soils”. Evaluate soil for re-use or disposal depending on level of impact and re-use location.
- Non-RCRA Hazardous: for soils with chemical constituents above applicable screening levels and leachability test results above California-specific hazardous waste STLC values. Also referred to as “Class I Soils”.
- RCRA Hazardous: for soils with chemical constituents above applicable screening levels and leachability test results above the Federal RCRA Hazardous waste TCLP values. Also considered “Class I RCRA Soils”.

At this Site, soils under each of the above classifications except RCRA Hazardous were observed at the Site. For consistency, these classifications will generally be referred to as “Non-RCRA Hazardous (i.e., Class I soils)” and “non-hazardous (i.e., Class II soils)”.

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The figures from the Site Characterization Report (Kleinfelder, 2025b) are attached as Appendix D, for ease of reference. See Figures 9.1 through 13 in Appendix D for the lead results from the 2025 Site characterization sampling activities. Figures 14 through 19 of Appendix D display results for other analytes from the 2025 soil and groundwater sampling activities, emphasizing locations that exceed the residential screening levels for hexavalent chromium, total petroleum hydrocarbons (TPH), and polychlorinated biphenyls (PCBs).

Note that the previous Soil Management Plan included figures showing the waste characterization sampling results; however, since those soils have been off-hauled from the Site, those figures are not presented in this SGMP for clarity.

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5 SOIL MANAGEMENT

5.1 INTENDED USE

The primary purpose of this SGMP is to provide guidance and procedures for soil and groundwater management during construction activities at the Site that will involve handling and removal of soils or groundwater that are or may be impacted by environmental contaminants. This SGMP has been prepared to accommodate performance of project excavation work in an environmentally and technically sound manner with minimal delay. The procedures contained in this SGMP are intended to reduce risk to construction workers and receptors in the surrounding community, including students and faculty at Alameda High School and the public.

This SGMP applies only to those construction activities that involve removal and handling of known or potential contaminant-impacted soil during excavation phases of work (i.e., earthwork activities including grading, new utility construction or repairs, shoring, dewatering, installation of security fencing, etc.). This SGMP also establishes basic human health protection and safety guidance and provides contingencies for situations that may arise while excavation-related activities are being performed at the Site. However, this SGMP is not intended to replace standard operating procedures, safety procedures, or programmatic and project-specific mitigation plans and Health and Safety Plans (HASPs). Kleinfelder notes it is not responsible for Site safety.

This SGMP is intended to be incorporated into construction documents used by Alten to perform Site construction activities.

5.2 APPLICABLE REGULATIONS

Construction activities at the Site must comply with applicable regulations and agency directives, including, but not limited to:

- Alameda County Environmental Health Department (ACEHD) Site Cleanup Program Case Number RO0003666.
- Construction stormwater requirements, including the National Pollutant Discharge Elimination System 2022 Construction General Permit (where applicable).

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- Division of State Architects code requirements (including grading, and/or erosion control requirements, where applicable)
- Bay Area Air Quality Management District (BAAQMD) Air Quality Guidelines (BAAQMD, 2017).
- Applicable health and safety precautions (CalOSHA).
- Alten Construction Site-Specific IIPP.
- Special Discharge Permit from East Bay Municipal Utility District (EBMUD).

5.3 PRE-CONSTRUCTION MEETING

Prior to grading/development/construction activities, representatives of the Owner, the GC, and the Owner's Environmental Consultant shall meet to review and discuss the procedures outlined in this SGMP, roles and responsibilities, and the excavation and grading schedule.

During this meeting, the SGMP Acknowledgement Page will be signed by all teams handling soils during ground disturbing activities; this signature page will be uploaded to GeoTracker before work commences.

5.4 SOIL HANDLING AND EXCLUSION ZONE

Onsite soils shall be managed according to the protocols outlined in this SGMP. Site soils include any materials disturbed during utility excavation, grading, materials hauling, footing/foundation excavation, shoring installation, or other ground-disturbing activities at the Site.

For clarity on training and certification requirements, an exclusion zone has been defined for soil handling work at the Site. **The exclusion zone is defined as areas where active soil handling is occurring for soils identified during waste characterization activities as non-RCRA Hazardous (i.e., Class I soils).** After removal of soils characterized as non-RCRA Hazardous, training and certification requirements may not apply.

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5.5 TRAINING REQUIREMENTS

The following training requirements apply; the required certifications must be provided to Alten and Owner or Owner's Environmental Consultant prior to the start of work:

- Personnel entering an exclusion zone shall be required to participate in a Site-specific orientation briefing and sign an acknowledgment prior to entry.
- For personnel entering the exclusion zone or handling Class I soils, the following requirements shall be completed:
    - Attend orientation meetings, be familiar with the project specific HASP, and sign acknowledgment thereof.
    - Possess Certified 40-hour Federal Occupational Safety and Health Administration (OSHA) Health and Safety/Hazardous Waste Operations (HAZWOPER) training (pursuant to 29 CFR 1910.120) and have attended 8-hour refresher class within the last year.
    - Lead in Construction Standards training, and medical surveillance program as required per CCR 8 1532.1.

For soil handling work at the Site that is outside of the exclusion zone, work must be completed by a crew supervised by an OSHA HAZWOPER-trained staff member. HAZWOPER-trained staff will oversee handling of soils impacted by lead, hexavalent chromium, PCBs, and other contaminants.

5.6 SITE CONTROLS AND ACCESS RESTRICTIONS

Access to the Site and the soil handling areas shall be controlled using barricades, cones, flagging tape, and/or perimeter fencing, or other appropriate precautionary methods, as needed (See Alten's Site Logistics Plan in Appendix C for additional details). Additionally, delineation and traffic control to manage inadvertent entry to the Site shall be implemented throughout the duration of the project.

Where soil contamination is encountered, an exclusion zone shall be established that includes and surrounds the affected area. Unauthorized personnel and unqualified visitors shall not be allowed access to the exclusion zone. Only personnel with specific operational duties and the required training and monitoring shall be permitted to be present in the exclusion zone.

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To avoid track-out of soils, during excavation and removal of impacted soils, trucks will be loaded while parked on steel plates. Contractor will take precautions to not spill soil while transporting soils from the excavation area to the truck loading area.

Truck tire and boot wash-out will be used as vehicles and staff that come into contact with known hazardous soils leave the site at contractor designated wheel wash. The contractor proposed wash-out area is located on the southeast corner of the site adjacent to Oak Street. Truck tire washing is intended to be implemented if other sediment control measures such as rumble plates and street sweeping are not effective. If truck tire washing is performed, it will be within a contained basin and the truck tire wash water will be collected, containerized, and disposed of appropriately.

5.7 EXCAVATION MONITORING

Excavation and loading of material for off-haul will be observed by Kleinfelder for conformance with this SGMP.

Additionally, workers on Site during excavation or grading activities will observe for indications of potential contamination, such as staining, discoloration, or the presence of a hydrocarbon or other chemical odor, during such work. Should soil having such indications of contamination be encountered during the excavation and grading activities, trained personnel with appropriate equipment will monitor the soils for signs of contamination, and collect soil samples for laboratory analysis if needed. Alten will immediately notify ACEHD if additional impacted soils are encountered. The Contractor will sample soils as per guidance from the Environmental Consultant and ACEHD.

During ground disturbing activities, if Site construction personnel identify previously undocumented contamination, unexpected underground storage tanks or drums, or soils that exhibit characteristics of chemical impacts such as staining, sheens, or chemical odors, the Site Owner shall be notified, and work shall be suspended within 50 feet of that area. The CUPA shall be notified within 24 hours of encountering any storage tanks or underground structures. Suspected impacted soils shall be evaluated by an environmental consultant to determine the appropriate characterization needs and develop proper handling and best management practices (BMPs) for these soils prior to continuing construction activities. Additional laboratory testing may be required.

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5.8 SOIL SEGREGATION

Based on the *Alameda HS Swim Center - OX Cut/Fill* map dated August 22, 2024 provided by Alten, Kleinfelder understands the site will have cuts up to approximately 18 feet in depth and minor fills around the site. A copy of the above referenced cut/fill map can be found in Appendix E.

Segregation of known contaminant-impacted soil from non-impacted soil is necessary to facilitate its proper handling and disposal, with oversight from the Environmental Consultant. Segregation will be performed as per the outcomes from the Site Characterization Report (Kleinfelder, 2025b); if approved by the Environmental Consultant, soil from specific areas (see discussion in the Soil Stockpile Management section below) may be reused onsite.

Regulations pertain to the construction of stockpiles, placement of wastes with respect to surface water bodies, security, and labeling. Stockpiled soil shall be placed on polyethylene sheeting; polyethylene sheeting will be used to cover the stockpiles. If drums or bins are utilized for limited temporary staging of impacted soils, drums or bins will be labeled with the following information at a minimum:

- Project Site name.
- Emergency contact name and phone number.
- Type of waste.
- Date waste was generated.

5.9 SOIL STOCKPILE MANAGEMENT

Soils with reported contaminant concentrations exceeding CCR Title 22 TTLC values, CCR Title 22 STLC values, and/or USEPA TCLP values, as well as soils emitting total volatile organic vapor concentrations equal to or greater than 50 parts per million volume (ppmv) (as measured during field screening with the photo-ionization detector [PID]) or soils with PCB impacts, may not be stockpiled, and must be direct-loaded into temporary bins or trucks for disposal.

To mitigate dust generation and contact with storm water, soil approved for reuse that is temporarily stockpiled onsite will be placed on and securely covered with plastic sheeting that has a minimum 10-mil thickness.

Additionally, when stockpiling is permitted, the following best management practices (BMPs) identified in the Stormwater Pollution Prevention Plan (SWPPP) (Brelje & Race, 2025) shall be followed:

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- Stockpiles shall be located greater than 10 feet from any catch basin or drainage feature.
- Storm water catch basins in proximity to stockpiles shall be protected from erosion/runoff.
- Stockpiles shall be placed on flat surface to prevent erosion and sloughing.
- Material shall be placed on 10-millimeter thick polyethylene sheeting, or equivalent.
- Stockpiles shall remain covered with plastic sheeting when not being actively disturbed and plastic sheeting shall be weighted down with sandbags or other weighted devices.
- At the end of the work day, stockpiles shall be covered and secured from wind and precipitation.
- Uncovered stockpiles shall be watered two times per day (BAAQMD, 2017).

5.10 DUST MANAGEMENT

During ground-disturbing or dust-generating activities on Site such as excavation and soil handling, drilling, shoring, vehicle traffic, high winds, unprotected stockpiles, or dust monitor exceedances, additional measures will be employed to minimize fugitive dust. If visible dust is observed, work must be stopped immediately, and additional dust control measures must be employed. Potential additional measures include:

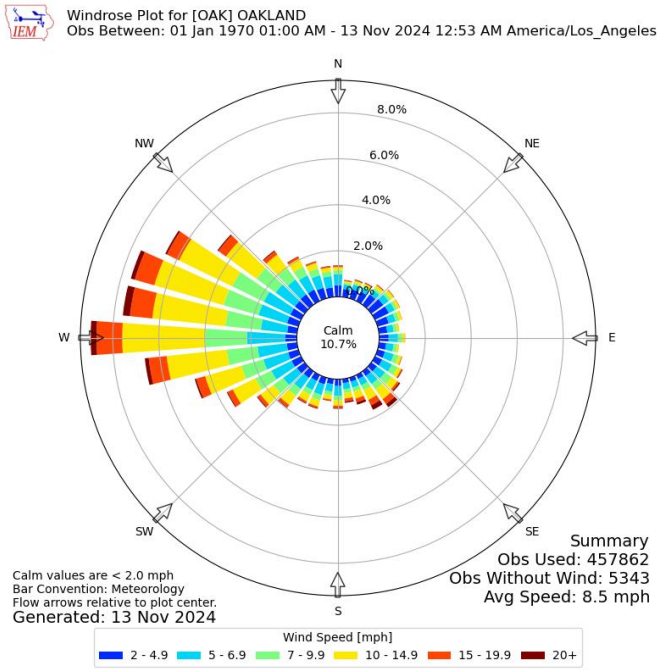
- Full time monitoring for dust during ground disturbance activity by personnel equipped with a charged water hose.
- More frequent application of water for dust control relative to the standard construction sites as necessary to maintain soils in a damp condition (i.e., visibly moist).
- Use of a temporary surface soil stabilizer such as Durasoil® or similar product.
- Addition of clean soil/aggregate to provide a separation layer between the site workers and the lead impacted soils.
- Reduction in vehicle speed limit and temporary suspension of activity during high wind events.
- Any haul trucks transporting soil, sand, or other loose material offsite shall be covered.

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- Utilize wet power vacuum street sweepers to remove any visible mud or dirt track-out onto adjacent public roads.
- Stabilization (i.e, paving, placement of concrete, or final landscaping) of roadways, driveways, and sidewalks shall be completed as soon as possible.
- Additional dust monitoring requirements are listed in the Perimeter Air Monitoring section of this SGMP below.

The above dust mitigation measures are typical and effective for dust control on local construction sites, and are based on BAAQMD requirements for construction activities. In the event the mitigation measures do not suppress dust concerns, work shall be stopped to assess additional dust suppression measures that may be implemented.

The figure below taken from Iowa State University's Environmental Mesonet, shows a wind rose diagram from the Oakland International Airport graphically depicting regional prevailing wind direction and speed. The wind rose diagram shows prevailing winds originating from the W to WNW; prevailing wind direction will be determined using an onsite weather station – see Perimeter Dust Monitoring section below. Perimeter dust monitoring will be performed for public safety. Perimeter dust monitoring stations shall be placed upwind, downwind, and crosswind of project activities at Site.



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5.11 WORKER AIR MONITORING

While general dust monitoring and control measures will be implemented during ground-disturbing or dust-generating site activities during this project, incremental levels of worker air monitoring and dust mitigation measures will be implemented during work at the Site. Additional worker monitoring and worker protection procedures may be listed in the site-specific HASP. Procedures will be adjusted to site conditions when appropriate.

For the duration of disturbance of Class I soils on the Site, the following requirements shall be followed.

- For personnel entering the exclusion zone, the Training Requirements discussed above shall be followed.
- Monitoring for worker exposure to fugitive dust will be accomplished via the following:
    - Dust monitoring in the worker breathing zone will be accomplished using a personal air monitoring device (i.e., a Gilian/GilAir Plus Personal Air Sampling Pump up to 5,000 cc/min or equivalent) for at least the first day of soil handling activities in the exclusion zone or if site conditions change.
    - Dust and air monitoring across the Site will be performed with a hand-held dust monitor (such as a Thermo PDR-1000 Personal Aerosol Dust Monitor, or similar) to measure real time mass concentration of dust in the worker breathing zones and downwind of the soil handling areas at frequent intervals throughout the workday during construction at the Site.
    - Documentation of the results of the dust monitoring will be accomplished using dust monitoring forms (see template in Appendix K) and submitted to the owner at the completion of soil handling activities in the exclusion zone (i.e., at the completion of handling of non-RCRA hazardous soils).
- Tyvek protective coveralls, or equivalent, are required where workers may be exposed to potentially lead-impacted fugitive dust in excess of 50 micrograms per cubic centimeter ($\mu g/cm^3$), averaged over an 8-hour period, based on a conservative calculation of lead in dust from the Site.

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- If air monitoring demonstrates that lead-impacted fugitive dust exceeds 50 ug/cm^3, work must be completed by properly trained workers wearing respirators, until air monitoring can show that lead-impacted fugitive dust is below 50 ug/cm^3 while work is on-going. Monitoring will be on-going and if exposure to lead-impacted fugitive dust in excess of this monitoring threshold is observed, work must be stopped until workers in the exclusion zone don respirators.

5.12 SOIL DISPOSAL

Soils that will not be reused on Site will be disposed of at a permitted disposal facility. Sampling and characterization requirements are typically established by the reuse or disposal facility. AUSD representatives or their authorized agent will sign waste manifests for disposal of Non-RCRA Hazardous (Class I) and non-hazardous (Class II) soils. Refer to the Hazardous and Non-Hazardous Waste Definitions section above for more details on the soil classifications at the Site.

Waste characterization analytical laboratory reports were submitted to Clean Harbors for approval of waste soil profiles with under AUSD's California EPA Generator ID CAL000159745. The waste profile from Clean Harbors (profiled as non-RCRA hazardous soils) is presented in Appendix F. Other appropriate facilities may be added based on acceptance and laboratory testing, if disposal sites are to change Alten shall notify AUSD.

Any soils transported offsite must be properly characterized and profiled in accordance with applicable laws and regulations; the 2025 Site characterization data will be utilized where possible for profiling of any additional soils to be transported offsite. Any soils transported offsite will be transported with an appropriate waste manifest with the date of transport, quantity, and destination, signed by the generator and the transporter. Weight tickets will be obtained from the appropriate receiving facility, when possible.

Off-haul trucks will be subject to the City of Alameda's truck routes which can be found in Alten's Site Logistics Plan in Appendix C; this plan also includes site controls and truck loading traffic control plans.

Based on the results discussed in the Site Characterization Report (Kleinfelder, 2025b), offsite disposal of soils is expected for the following:

- Lead and arsenic-impacted soils at Campus Fencing locations F-2 and F-4
- Lead impacted soils present at the Swim Center

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- PCB impacted soils at the Swim Center

The estimated off-haul quantities and corresponding truck trips (assuming 12 cubic yard truck capacity) are as follows:

- Campus Fencing – estimated 150 cubic yards of material for off-haul (14 truck trips)
- Swim Center – estimated 1,200 cubic yards of material for off-haul (100 truck trips)

Additional truck trips may be required if soil excavation quantities increase during construction activities.

5.13 PROJECT SEQUENCING

Demolition activities at the Swim Center and the New Tennis Court, as well as off-haul of non-native fill in the Swim Center is complete.

Future construction sequencing activities at the Swim Center are summarized in the attached *Alameda High School Swim Center Modernization Logistics Plans and Narrative* (AUSD, 2025), included as Appendix G.

Separately, the Campus Fencing, Electrical Connection, and New Tennis Court activities will occur according to the construction schedule, which is updated by Alten monthly.

This SGMP is expected to be in effect until stabilization of the Site via hardscape or stabilized landscaping or until soil disturbing activities are completed.

5.14 SIGNAGE

Publicly post signage with the telephone number and the primary person to contact, including information for addressing dust complaints. The primary contact person shall respond and take corrective action within 48 hours. The proposed signage to use for the site is provided below.

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6 PERIMETER AIR MONITORING PLAN

This section presents the Site perimeter air monitoring procedures that will be implemented to protect off-site receptors during construction activities. Monitoring described in this section will be conducted using field equipment that allows for real-time monitoring and implementation of immediate mitigation action. Monitoring at the Site perimeter will consist of dust monitoring for particulate matter with a diameter of 10 micrometers or less (PM10), as discussed in this section below.

Airborne dust monitoring will be performed during excavation and grading activities to evaluate potential exposure to Site personnel and off-Site downwind receptors. The level of airborne dust will be evaluated by real-time air sampling equipment to confirm that dust mitigation measures are being adequately implemented during soil handling activities. Data collected will be used to ensure adequate dust control measures are being implemented to protect workers at the site and off-site receptors.

6.1 PERIMETER DUST MONITORING LOCATIONS

Proposed perimeter dust monitoring locations (see Figures 4 and 5) will be based on Site operations, wind direction, and the presence of receptors such as on campus students, faculty, staff and visitors or off-site residences or commercial workers. Based on prevailing wind direction as observed in an on-Site weather station, real time monitoring will be conducted with at least one upwind location and one downwind location; one to two cross-wind location will also be monitored for work at the Swim Center and the New Tennis Court (see Figure 4). Note that the Campus Fencing work locations likely do not have sufficient work area to allow for cross-wind dust monitoring locations (see Figure 5).

Final monitoring locations will be documented on a Perimeter Air Monitoring Log (Appendix I) along with the dust concentrations from the monitoring equipment. Monitoring locations may be adjusted based on site activity to allow for accurate on-going evaluation of downwind exposure to dust. Winds at the Site vary monthly and with seasons.

6.2 MONITORING METHODS AND FREQUENCY

Downwind measurements will be compared to upwind measurements to determine whether on-site activities are contributing to potential community exposure. If any net measurements of dust concentrations exceed the stipulated action levels, work will be halted, engineering controls and other

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appropriate dust mitigation measures will be implemented, and work and monitoring schedules will be adjusted until background levels are attained.

During periods of soil handling, real time dust monitoring will be performed and a technician will be on-Site to monitor the equipment during soil handling. Where possible, dust monitoring equipment will be programmed to trigger alarms to notify the on-Site dust monitoring technician if an action level has been exceeded.

Real-time perimeter air monitoring will consist of the following activities:

- Determine wind direction and speed. Record data from the meteorological station at the beginning of each monitoring interval and hourly during work with Class I soil.
- Based on the wind direction and predominant area of ground disturbance, appropriate monitoring locations upwind, downwind, and crosswind will be monitored during handling of onsite soils; see Figures 4 and 5 for proposed perimeter air monitoring locations. If there is a sustained change (e.g. 15 minutes) in wind direction, soil handling activity will be paused until the dust monitoring locations can be relocated as appropriate.
- Place the equipment's measuring port at a height of normal breathing zone (from 4 to 5 feet above ground surface). Monitoring shall be conducted continuously at each location as and dust meter readings shall be logged on a continuous basis.
- The following observations and average readings shall be recorded:
    - Location
    - Time
    - Site activity
    - Readings
    - Visual observations of dust
    - Site conditions, including current weather conditions
    - Odors and/or other miscellaneous observations
- The frequency of observation is continuous, with a 30-minute time weighted average (TWA) used for comparison of upwind and downwind PM10 concentrations.

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Meteorological data from the on-Site weather station (see Monitoring Equipment section below) will be downloaded and will be saved electronically. Records of wind shall be kept, including:

- Instrument make and model;
- Settings;
- Calibration:
- Configuration;
- Calibration corrections factors;
- Maintenance;
- Operator training; and
- Daily Instrument performance and check records

6.3 MONITORING EQUIPMENT

Measurements of real-time and TWA concentrations of airborne particulate concentrations will be recorded using handheld respirable air monitoring such as TSI DustTrak II Aerosol Monitor or equivalent equipment. The dust monitors are capable of continuous real time monitoring, data logging, measurement of airborne PM10 or smaller, and measurement of TWA. We will be able to trigger visual and/or remote alarms to notify if an alarm has been exceeded.

Wind speed and direction will be monitored by an on-Site weather station as specified by the USEPA *Quality Assurance Handbook for Air Pollution Measurement System, Volume IV: Meteorological Measurements.* The weather station will be placed near the Alten Site construction trailer. The weather station used will be Luftt WS500 Weather Station, or equivalent. Meteorological parameters collected include wind speed, peak wind gust, direction, ambient temperature, relative humidity, barometric pressure, and precipitation.

6.4 PM10 ACTION LEVELS

Kleinfelder will use the default dust action levels based on the California Ambient Air Quality Standard (CAAQS) for PM10 adopted the BAAQMD, for this project. The default dust action level is a TWA ceiling level of no more than 50 micrograms per cubic meter ($\mu g/m^3$) difference between upwind and downwind sampling locations over the course of the day. The Bay Area 24-hour TWA standard for 10 micron diameter matter is 50 $\mu g/m^3$ (the PM10 24-hour standard).

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Lead, TPH-d, and PCBs are predicted to be below their residential air screening levels in dust at 50 ug/m^3. For this Site, the predicted concentrations of arsenic and hexavalent chromium exceeded residential air screening levels at 50 ug/m^3 when using the maximum soil concentrations present at the Site. Kleinfelder calculated the 95% Upper Confidence Level (95%UCL) concentrations for these two compounds present at the Site using the existing data set (see Appendix J). Hexavalent chromium still exceeded risk thresholds using the 95%UCL concentrations. To be in compliance with the residential screening levels, the action level is set to 20 µg/m^3 greater than upwind concentrations when handling soils at the Site.

When handling soils, if dust readings are equal to or greater than 20 µg/m^3, work will cease and additional dust migration measures will be employed until PM10 is less than 20 µg/m^3, as measured between the upwind and downwind perimeter air monitoring stations. Work can resume or continue if PM10 readings are less than 20 µg/m^3.

Kleinfelder calculated PM10 action levels for lead, hexavalent chromium, total PCBs, and TPH, as shown on the table below.

Chemical of Potential Concern	**Source Term Concentration (STC) in Soil (mg/kg)**	**Predicted Concentration in Air (µg/m³)[a]**	**Residential Air Screening Level (ug/m3)**	**Commercial/ Industrial Screening Level (ug/m3)**
Arsenic	3.43*	6.9E-05	6.5E-04[b]	2.90E-03[b]
Hexavalent chromium	0.48*	9.5E-06	6.80E-06[c]	8.20E-05[c]
Lead	230.00	4.6E-03	1.5E-01[b]	no value
TPH-DRO (assume aromatic medium for screening level)	360.00	7.2E-03	1.0E+02[b]	4.40E+02[b]
PCBs (total) (assume Aroclor 1254 for screening level)	0.66	1.3E-05	4.9E-03[c]	2.10E-02[c]

[a] The calculation used to convert the high concentration in soil for lead, TPH, and PCBs, and the 95% UCL for arsenic and hexavalent chromium to PM10, assuming a maximum onsite dust generation of 20 µg/m^3, the chemical of concern concentration is as follows:

$$C_{dust}\left(\frac{\mu g\ COPC}{m^3\ air}\right) = C_{soil}\left(\frac{mg\ COPC}{kg\ soil}\right) \times 10^{-6}\left(\frac{kg}{mg}\right) \times 20\left(\frac{\mu g\ soil\ [=dust]}{m^3\ air}\right)$$

[b] USEPA RSLs = United States Environmental Protection Agency Regional Screening Levels, November, 2024, lower of carcinogenic or noncarcinogenic screening level used.
[c] DTSC HERO Note 3, March 2025, lower of carcinogenic or noncarcinogenic screening level used.
mg/kg = milligrams per kilogram
µg/m3 = micrograms per cubic meter
*= Concentration is 95% UCL

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6.5 WIND ACTION LEVEL

The 15-minute average wind speed and direction data will be collected continuously by the meteorological monitoring station and will be retained by an on-board data logging system that will downloaded daily.

Ground disturbance will be temporarily stopped if wind speeds exceed 20 mph and on average over a 15 minute period or gusts exceed 25 mph. Site personnel will consider reduced or curtailed Site activity during high wind days. The following action levels apply for wind during earth moving, grading or loading activity:

Meteorological Condition Action Level	
Wind Speed	**Action**
<20 MPH averaged over 15 minutes	Cease earth moving or soil handling. Apply dust mitigation measures as necessary
>25 MPH instantaneous	

Exceedances of wind action levels and the actions taken following exceedances will be documented in the field logs and notebooks.

6.6 REPORTING

This section presents reporting requirements for the Perimeter Air Monitoring activities.

Immediate Reporting of Action Level Exceedances

The ACEHD shall be notified by email of any readings that exceed action levels within 24 hours of the exceedance. These reports will include the following:

- List Site specific dust exceedances
- 15-minute and hourly data collected during the period of exceedance.
- Description of routine and unusual on-Site activities that occurred during exceedance
- Mitigation measures implemented; and
- Future actions planned.

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Baseline Report

A Baseline air monitoring report will be prepared and submitted before, or as part of the first monitoring progress report. This will include air monitoring two times in a five day period prior to initiating earth moving activity.

Weekly Reports

Weekly Air Monitoring Progress Reports will be prepared during periods of soil handling/disturbance. Weekly Air Progress Reports will include the following information from the Reporting period:

- Tables showing results of direct reading instruments and laboratory results from air sampling equipment;
- Summary of metrological readings;
- Statistical analysis of the correlation between results (where appropriate);
- Description of Site Activities during the reporting period;
- Photographs of monitoring stations and dust mitigation measures used at the Site;
- Complaints received;
- Corrective action taken; and
- Planned activities for the upcoming week.

Compliance Report

The following details will be documented and provided along with the SGMP Compliance Report (see report requirements in the SGMP Compliance Report section below), following completion of earth work activities conducted at the Site:

- A summary of monitoring and sampling activities;
- Tables summarizing all ai monitoring data for the full project;

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- Calculated percentage data recovery for all parameters monitored;
- Summary of exceedances over the action level and maximum and average daily values for each COC at each air monitoring location;
- Tables summarizing all meteorological data for both 15 minute and 1 hour intervals for the full project; and
- A wind rose chart of wind speed and direction, for the entire project.

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7 SOIL MONITORING AND SAMPLING PROGRAM

An environmental representative shall be present on-Site during soil excavation and grading activities to perform monitoring of known and suspect contaminant-impacted disturbed soil.

If soil with indications of potential contamination, such as staining, discoloration, or the presence of a hydrocarbon or other chemical odor, is encountered during soil excavation and grading, Alten and the Environmental Consultant will immediately notify ACEHD; work in that area will be stopped and the area fenced to prevent inadvertent access. The path forward for sampling, analysis, and proper handling of these soils will be as per guidance from the Environmental Consultant and ACEHD

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8 GROUNDWATER AND LIQUID WASTE MANAGEMENT

8.1 GROUNDWATER MANAGEMENT

Groundwater was encountered at between 3 and 10 feet below existing ground surface during 2025 Site characterization activities. Pool excavations will extend beneath the water table and shoring and dewatering will be necessary. The maximum excavation extent is expected to extend to 18 feet bgs (or to an elevation of 17 feet above mean sea level [amsl]). During excavation of this deep end of the pool, groundwater will be pumped to draw down the surface elevation of groundwater. Nine wells will be placed around this deeper portion of the pool and extract groundwater between 25 and 45 gallons per minute (gpm), and additional dewatering wells will be placed around the competition pool and equipment building excavations for additional extraction as required. Details on these wells will be finalized following a Site-specific dewatering pump test and preparation of the forthcoming Dewatering Plan. The Hydrogeological Assessment (Kleinfelder, 2025d) discusses the groundwater conditions in the area and modeled drawdown in detail.

Alten has obtained a Special Discharge Permit from East Bay Municipal Utility District (EBMUD) which can be found in Appendix H. The permit holder is responsible for complying with all requirements set forth in the permit. Below is the description of the dewatering pre-treatment from the Hydrogeological Assessment (Kleinfelder, 2025d):

Based on the impacts observed in soil and groundwater at the Site as well as the potential to draw low level residual contamination from one nearby site, the water collected during dewatering activities will be pretreated prior to discharge to the sanitary sewer. The discharge is permitted under a discharge permit from the East Bay Municipal Utilities District Special Discharge Permit No. 11000154.

The temporary groundwater treatment system is designed to operate at a flow rate of 400 gpm over a six-month period. It features a series of filtration and treatment stages engineered to handle site-specific contamination and regulatory requirements. Water enters the system and passes sequentially through a sand filter, parallel bag filters, and a bank of specialty media vessels *[i.e., granular activated carbon]* for contaminant removal. A centrifugal electric pump (30 amps, 3-phase, 480V) circulates the water through the treatment train. The process includes two 8,400-gallon weir tanks for flow equalization and a 5,000- gallon poly tank for settling backwash.

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Key instrumentation includes a flow meter for monitoring GPM and total flow, as well as an alarm system with auto dialer for high tank levels and power outages. A sample port is located downstream to collect effluent samples for compliance with EBMUD discharge permit requirements. Filtration system will have weekly visits which includes pressure/flow checks and equipment maintenance. The pre-treatment system will be supplied by a vendor subcontracted through Alten Construction.

8.2 STORM AND SURFACE WATER MANAGEMENT

As required by California's General Permit of Stormwater Discharges Associated with Construction and Land Disturbance Activities (CGP), State Water Resources Control Board (State Water Board), a Stormwater Pollution Prevention Plan (SWPPP) has been developed by a Qualified SWPPP Developer (QSD) for the Site. The "Stormwater Pollution Prevention Plan for Alameda High School Swim Center Modernization" prepared by Brelje & Race Consulting Engineers and revised on May 13, 2025, (WDID 201C404228) (Brelje & Race, 2025); the SWPPP was submitted on behalf of the Legally Responsible person (LRP), Alameda Unified School District. The provisions in the SWPPP are intended to effectively manage storm and surface water that enters the Site during construction and is applicable to effective management of the impacted soils on Site.

The SWPPP provides California Storm Water Quality Association (CASQA) Stormwater *Best Management Practice (BMP) Handbook: Construction.* The BMPs included in the SWPPP Section 3 – Best Management Practices include erosion, sediment, wind erosion, tracking, and waste management controls that are to be implemented throughout the project life cycle. The Site Qualified SWPPP Practitioner (QSP) is responsible for monitoring and inspection of the BMPs to assess whether or not additional BMPs are needed to control sediment deposition from the site.

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9 SOIL TRANSPORTATION PLAN

Soils with known impacts are proposed to be off-hauled from the Site to an appropriate disposal facility. For the off-haul work that occurred in December 2024, a waste soil profile was obtained through Clean Harbors under AUSD's Generator California EPA ID CAL000159745, profiled as non-RCRA hazardous soils (i.e. Class I soils). A copy of that waste profile is presented in Appendix F. This profile may be suitable for use for additional non-RCRA hazardous soil off-haul from the Swim Center and Campus fencing. A separate profile will be obtained for disposal of non-hazardous soils (i.e., Class II) at an approved disposal facility, using analytical laboratory results obtained during the 2025 Site characterization activities.

The contractor plans to use licensed waste haulers using 12 cubic yard haul trucks under California waste manifesting procedures. The list of waste haulers and the corresponding licenses will be provided to Alten and Owner or Owner's Environmental Consultant for their records.

As each truck is loaded and prior to leaving the Site, each truck will be inspected to ensure material is adequately secured, covered, and wetted as necessary to mitigate dust generation during transportation.

A log of each load leaving the Site will document the date and the time trucks were loaded, the disposal destination, size (approximate volume of the load, and description of contents. The waste will be off-hauled in a manner consistent with Federal, State, and local regulations. Shipments of hazardous waste will be tracked with the appropriate hazardous waste manifests.

All Department of Transportation (DOT) and California Highway Patrol (CHP) safety regulations will be strictly followed by both hazardous and non-hazardous waste haulers. The affected soil will be transported via surface streets to the closest suitable City of Alameda approved trucking route to the freeway. Truck haul routes and traffic control plans are shown in Alten's Site Logistics Plan found in Appendix C. Street sweeping will be utilized during truck hauling activities.

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10 IMPORT OF FILL MATERIAL

When importing material to backfill excavations, the provisions of the ACEHD Soil Import/Export Characterization Requirements (ACEHD, 2019) shall be followed. Imported fill material must be sampled prior to transportation to the Site, and analytical results shall be reviewed by an environmental consultant before import/placement of the fill. This advisory does not apply to virgin building materials documented as clean. Import fill material shall be approved by ACEHD, AUSD, AUSD's environmental consultant, and the geotechnical engineer of record.

Kleinfelder prepared a *Fill Characterization Technical Memorandum* dated April 25, 2025 (Kleinfelder 2025e) for one fill source (i.e., from Clayton Quarry); this document was approved by ACEHD on May 2, 2025. For additional import fill sources, an Application for Determination of Fill Material Suitability (per ACEHD, 2019) will be submitted for review and approval by ACEHD.

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11 DOCUMENTATION OF WORK

Soil handling activities at the Site shall be documented to provide sufficient record-keeping to demonstrate compliance with these procedures. Minimum documentation shall include:

- Date of import or disposal of soils
- Date and description of soil disturbing activities performed
- Daily field reports prepared by Alten, environmental consultants, or others as applicable
- Source and analytical results of imported materials
- Waste profiles for each soil classification (Non-RCRA Hazardous [i.e., Class I soils] and non-hazardous [Class II soils])
- Waste disposal manifests and bill of lading (if applicable)
- Landfill disposal tickets
- Soil disposal tonnage for each waste classification
- Soil and water sampling methods and analytical results for samples collected during construction
- Tailboard safety meeting record with sign-in sheet
- Perimeter air monitoring results
- Map of dust monitoring locations, results, and other inspection forms (see template list below)
- Site photographs and photographs of monitoring stations, site BMPs, and mitigation measures used.

Any deviations from this SGMP and associated Site-Specific HASP will be immediately provided to the AUSD and documented in the SGMP Compliance Report.

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The following template forms are included as Appendix K shall be used by Alten as needed:

- SGMP Acknowledgement Page
- Site Dust Monitoring Form
- Import/Export Log

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12 SGMP COMPLIANCE REPORT

An SGMP Compliance Report will be submitted to AUSD within 60 days of completion of ground disturbing activities at the Site. The SGMP Compliance Report shall include the documentation collected during soil handling activities (see Documentation of Work section above) along with the following:

- Project Owner and Site Address
- Project Description
- Project Limits
- USEPA ID numbers utilized during soil disposal
- References to soil sampling completed prior to construction, including the *Summary of Waste Characterization Soil Sampling* (ACC, 2024b*)*
- Any approved deviations from the SGMP

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13 LIMITATIONS

This document was prepared in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Kleinfelder's conclusions, opinions, and recommendations are based on a limited number of observations and data. The results presented and discussed herein are believed to be representative of the conditions encountered at the time of the Site activities at the locations and depths sampled by others. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee, or warranty, expressed or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

This document may be used only by the Client and the registered professional in responsible charge and only for the purposes stated for this specific engagement within a reasonable time from its issuance, but in no event later than two years from the date of the document. If the Client makes any changes to the plans and specifications, the Client must obtain written approval from Kleinfelder's engineer that such changes do not affect the recommendations. Failure to do so will vitiate Kleinfelder's recommendations.

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14 REFERENCES

ACEHD, 2019. Soil Import/Export Characterization Requirements. August 9.

BAAQMD. 2017. California Environmental Quality Act - Air Quality Guidelines. May

Bay Area Air Quality Management District (BAAQMD) 2005. *Regulation 8, Rule 40, Section 8-40 304-306, Contaminated Soil – Excavation and Removal. June 15, 2005.*

Brelje & Race, 2025. Stormwater Pollution Prevention Plan for Alameda High School Swim Center Modernization (WDID 201C404228). May 13.

ACC Environmental Consultants, Inc. 2024a (ACC) Soil Waste Characterization Report *Alameda High School Swim Center Modernization 2200 Central Avenue Alameda, California 94501*. Sept 16

_____, 2024b, *Summary of Waste Characterization Soil Sampling Alameda High School Swim Center Modernization 2200 Central Avenue Alameda, California 94501*. October 15

_____, 2025. *Interim Remedial Action Completion Report Alameda Unified School District, Alameda High School – Swim Center Modernization, 2200 Central Avenue Alameda, California 94501*. January 10.

AUSD, 2025. *Alameda High School Swim Center Modernization Logistics Plans and Narrative*. May.

California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control (DTSC) Office of Human and Ecological Risk (HERO), 2022. *Human Health Risk Assessment (HHRA) Note Number 3, DTSC-modified Screening Levels (DTSC-SLs)*. Release Date: June 2020 - Revised May 2022.

Cal/EPA San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019. *Environmental Screening Levels Workbook and Summary Tables 2019 Revision 2*. July 25.

Department of Toxic Substances Control (DTSC). 2019. *Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities*. April 9, 2019

DTSC. 2025. *HHRA Note Number 3: Recommended Screening Levels for Soil Analytes*. March.

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Duvergé, Dylan Jacques, 2011. *Establishing Background Arsenic In Soil of The Urbanized San Francisco Bay Region,* Master of Science in Geosciences Thesis, San Francisco State University. December.

Iowa State University, Iowa Environmental Mesonet, Available online at: https://mesonet.agron.iastate.edu/sites/windrose.phtml?station=OAK&network=CA_ASOS

Kleinfelder, 2024. Soil Management Plan, Alameda High School Swim Center Modernization 2200 Central Avenue, Alameda, California, 94501 DSA APPLICATION 01-121651. November 21.

_____, 2025a. Corrective Action Plan for Alameda High School Swim Center Modernization and Campus Fencing (CPS Case No. RO0003666). May 28.

_____, 2025b. Site Characterization Report (CPS Case No. RO0003666), Alameda High School Campus Fencing Soil Sampling. May 27.

_____, 2025c. Conceptual Site Model (CPS Case No. RO0003666), Alameda High School Campus Fencing Soil Sampling. May 23.

_____, 2025d. Hydrogeologic Assessment (CPS Case No. RO0003666). April 25.

_____, 2025e. Fill Characterization Technical Memorandum (CPS Case No. RO0003666). April 25.

State of California, 2015. California Health and Safety Code. Available online at: https://leginfo.legislature.ca.gov/faces/codesTOCSelected.xhtml?tocCode=HSC.

United States Environmental Protection Agency (USEPA), 2015. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846). Available online at: https://www.epa.gov/hw-sw846.

USEPA, 2023. Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) November 2023. November.

USEPA, 2024. *Title 40, Code of Federal Regulations (40 CFR) Parts 260-270.* October 2024

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FIGURES

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PLOTTED: 5/20/2025, KHagan



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SITE LOCATION

Explanation

Approximate Site Location

Basemap: USGS The National Map
Inset: USGS Topographic Map Service

0 1,000 2,000 Feet

Locations are Approximate

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SITE VICINITY MAP

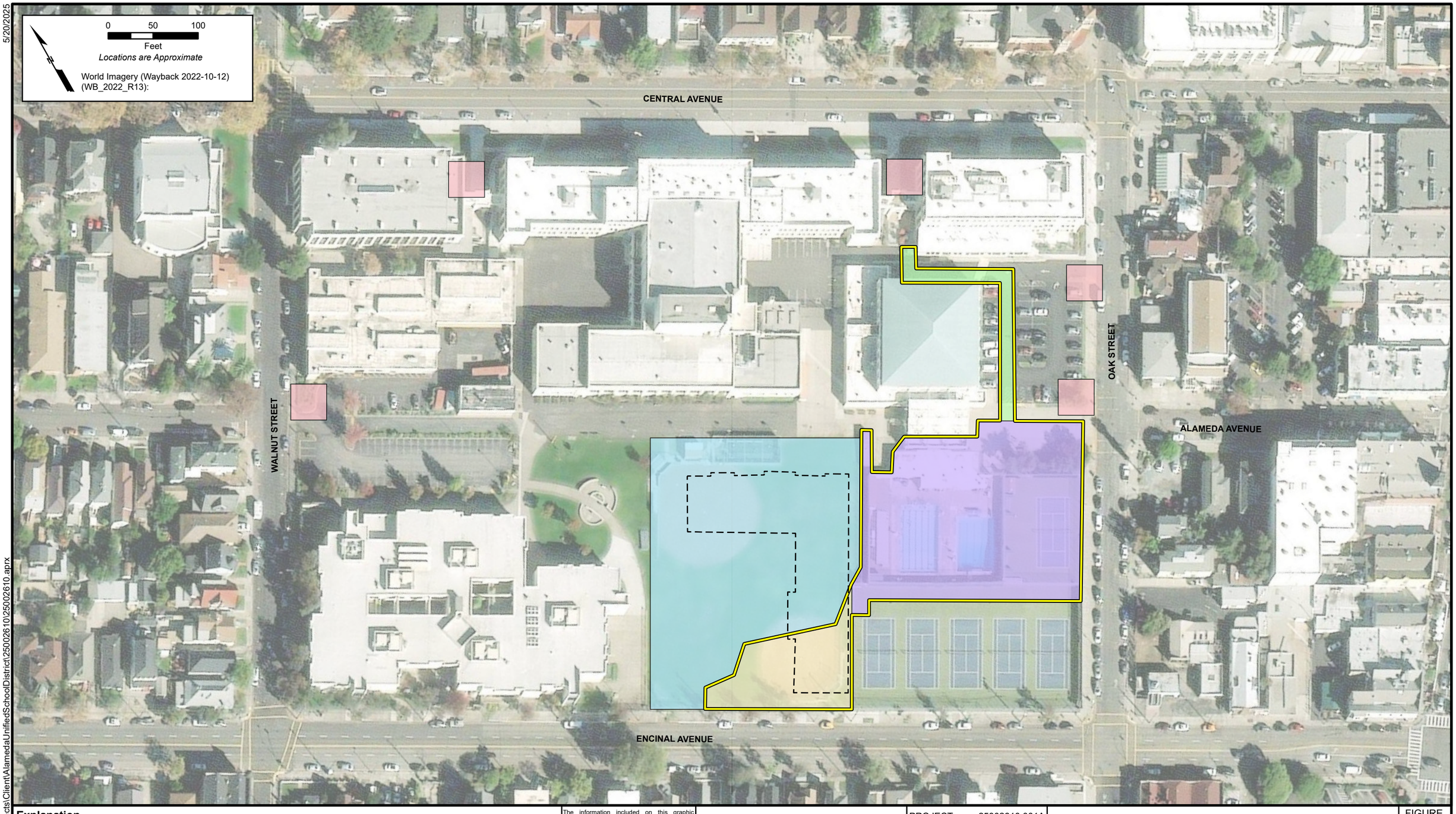
ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE

1

\\azrgisstorp03\GIS_Projects\Client\AlamedaUnifiedSchoolDistrict\25002610\25002610.aprx

5/20/2025



Explanation

- Swim Center Construction Area
- Electrical Connection Alignment
- Softball Field
- New Tennis Court Construction Area
- Campus Fencing
- Former Porter Public School (c. 1948)
- Swim Center Project Boundary

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EXTENDED SITE MAP

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
2

\\azrgisstorp03\GIS_Projects\Client\AlamedaUnifiedSchoolDistrict\25002610\25002610.aprx

5/22/2025

0 50 100
Feet
Locations are Approximate
World Imagery: Maxar, Microsoft

Approximate Former Location of 3,000-gallon Heating Oil UST (removed 2019)

CENTRAL AVENUE

Approximate Location of Water Well (c. 1948)

Approximate Former Location of Stacked 2,000-gallon and 4,000-gallon Heating Oil USTs (removed 1991)

WALNUT STREET

OAK STREET

ALAMEDA AVENUE

Former Porter Public School (c. 1948)

Former Porter Public School (c. 1897)

Former Puget Sound Lumber Company Yard (c. 1897)

Former French Laundry (c. 1948)

Approximate Location of Crude Oil UST (c. 1948, status unknown)

Former French Laundry (c. 1948)

Former French Laundry (c. 1897)

ENCINAL AVENUE

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Explanation

Approximate Site Boundary

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SITE LAYOUT WITH HISTORICAL FEATURES

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
3

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5/30/2025

0 50 100
Feet
Locations are Approximate

World Imagery (Wayback 2022-10-12)
(WB_2022_R13):

CENTRAL AVENUE

SEE FIGURE 5 FOR
PERIMETER DUST MONITORING LOCATIONS
CAMPUS FENCING PROJECT

WALNUT STREET

OAK STREET

ALAMEDA AVENUE

ENCINAL AVENUE

Explanation

- Swim Center Perimeter Dust Monitoring Location
- New Tennis Court Perimeter Dust Monitoring Location
- Swim Center Project Boundary

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PERIMETER DUST MONITORING LOCATIONS SWIM CENTER AND TENNIS COURT

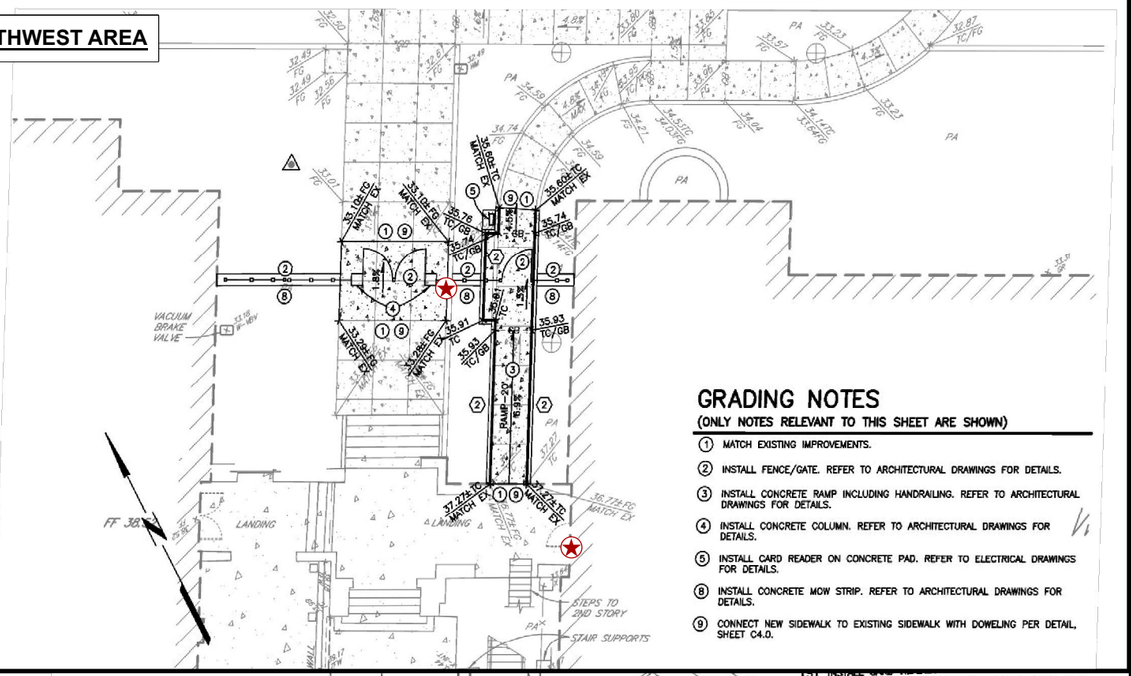
ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
4

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5/30/2025

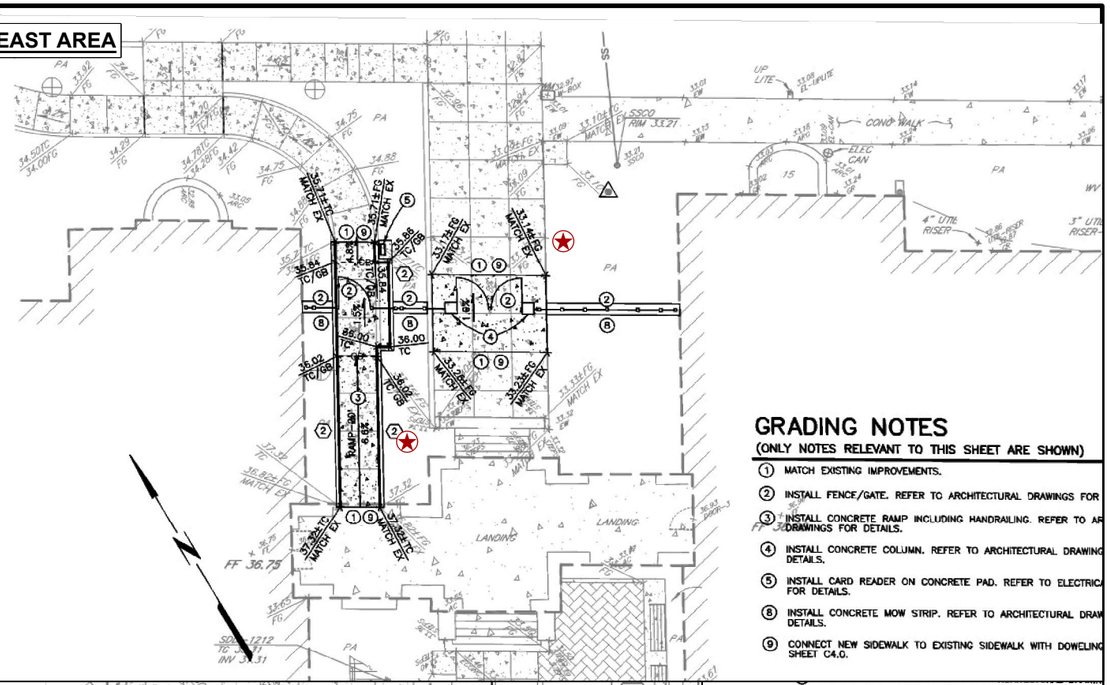
NORTHWEST AREA



GRADING NOTES
(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

1. MATCH EXISTING IMPROVEMENTS.
2. INSTALL FENCE/GATE. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
3. INSTALL CONCRETE RAMP INCLUDING HANDRAILING. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
4. INSTALL CONCRETE COLUMN. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
5. INSTALL CARD READER ON CONCRETE PAD. REFER TO ELECTRICAL DRAWINGS FOR DETAILS.
8. INSTALL CONCRETE MOW STRIP. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
9. CONNECT NEW SIDEWALK TO EXISTING SIDEWALK WITH DOWELING PER DETAIL, SHEET C4.0.

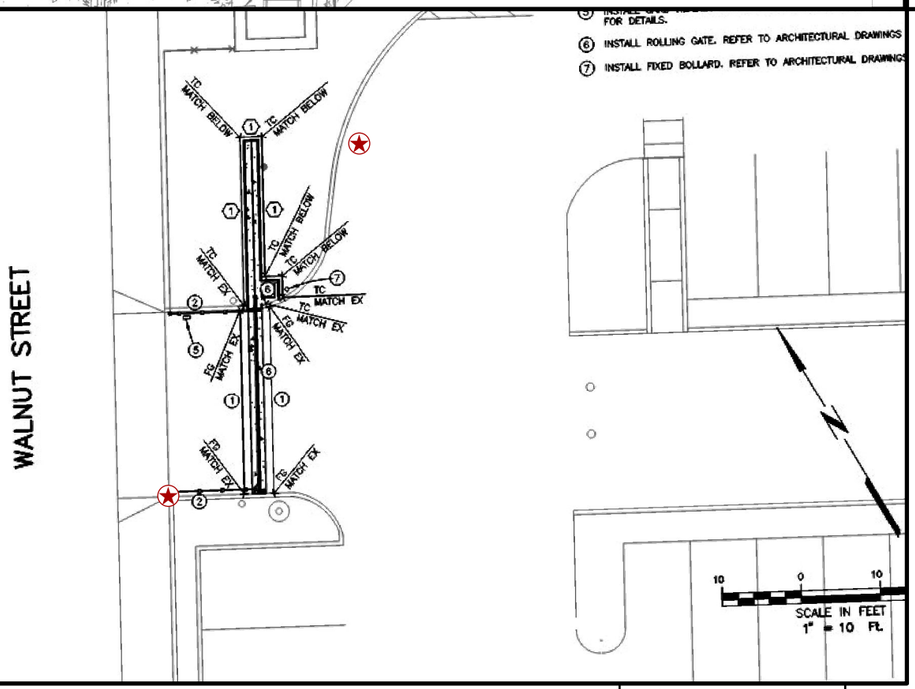
NORTHEAST AREA



GRADING NOTES
(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

1. MATCH EXISTING IMPROVEMENTS.
2. INSTALL FENCE/GATE. REFER TO ARCHITECTURAL DRAWINGS FOR
3. INSTALL CONCRETE RAMP INCLUDING HANDRAILING. REFER TO AR DRAWINGS FOR DETAILS.
4. INSTALL CONCRETE COLUMN. REFER TO ARCHITECTURAL DRAWING DETAILS.
5. INSTALL CARD READER ON CONCRETE PAD. REFER TO ELECTRICA FOR DETAILS.
8. INSTALL CONCRETE MOW STRIP. REFER TO ARCHITECTURAL DRAW DETAILS.
9. CONNECT NEW SIDEWALK TO EXISTING SIDEWALK WITH DOWELING SHEET C4.0.

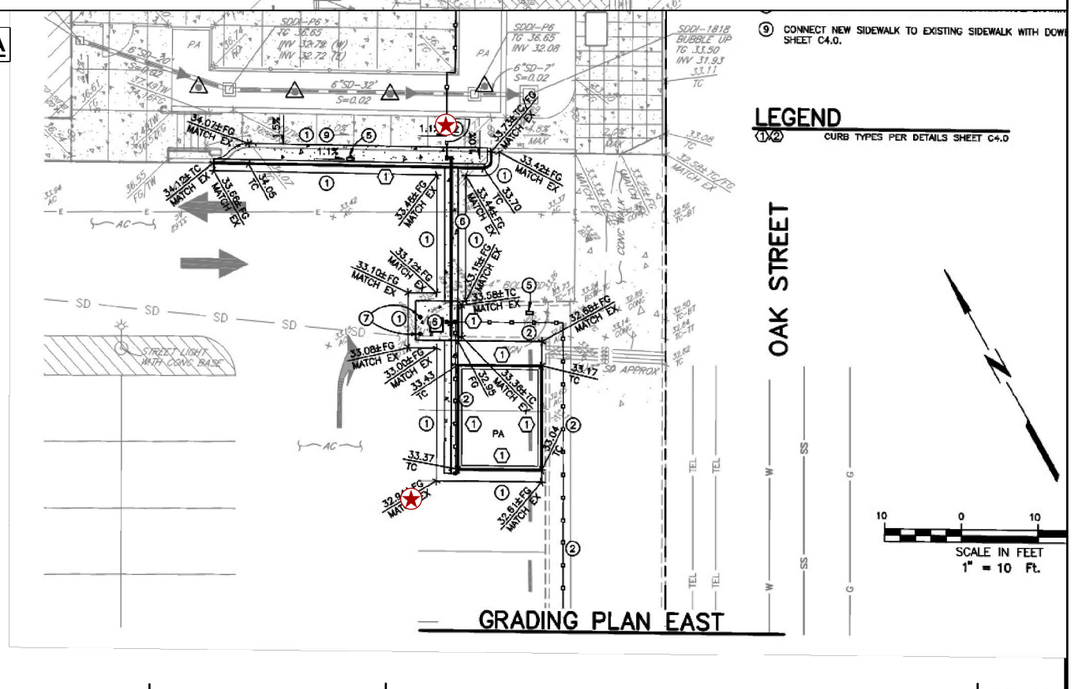
WEST AREA



6. INSTALL ROLLING GATE. REFER TO ARCHITECTURAL DRAWINGS
7. INSTALL FIXED BOLLARD. REFER TO ARCHITECTURAL DRAWINGS

SCALE IN FEET
1" = 10 Ft.

EAST AREA



LEGEND
CURB TYPES PER DETAILS SHEET C4.0

GRADING PLAN EAST

Explanation

Campus Fencing Perimeter Dust Monitoring Location

0 10 20
Feet

Locations are Approximate

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PERIMETER DUST MONITORING LOCATIONS
CAMPUS FENCING PROJECT

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
5

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APPENDIX A

ALTEN'S SITE SPECIFIC IIPP

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Site Specific IIPP

Alameda

High School

Swim Center LLB

Site Specific Injury and Illness Prevention Plan

Project Name: Alameda High School Swim Center LLB
Project Number: 202308
Project Address: 2200 Central Ave Alameda, Ca.94501

Contents:

1. Responsibility / Key Personnel
2. Site Safety Representatives
3. Identification of workplace hazards
4. Scope of Work
5. Job Risk Assessment
6. Site Specific Employee Training
7. Site Specific Emergency Evacuation Plan
8. Site Specific Medical Emergency Plan

1. **Responsibility/ Key Personnel:**

a.	Superintendent	Harry Torrano	(415) 599-6063
b.	Project Manager	Randall Barbour	(415) 916 5818
c.	Project Engineer	Javier Canseco	(415) 652-3755
d.	Safety Manager	Robert Giraudo	(415) 583-6179
e.	Program Administrator	Jackie Torres	(510) 234-4200 x27

2. **Site Safety Representatives**

Harry Torrano will be the overall project "Site Safety Representative" (SSR),and shall be assisted by Bob Giraudo. These two SSR's shall be the main individuals representing Alten Construction's Safety Program on a daily basis for the Independence HS Project. The SSR's have full authority to monitoring construction work for safe conditions and ensuring that these activities comply with the Corporate IIPP, the site specific IIPP, as well as all Cal/OSHA regulations. Any condition that is observed to be unsafe in any way will be stopped and corrected immediately.

3. **Identification of Workplace Hazards**

Mr. Torrano and Mr. Giraudo will be implementing job briefings / weekly tailgate safety meetings for the trades performing the work. This will be a requirement for all construction employees (both Alten and all subcontractors) to sit and discuss potential workplace hazards. It is expected that all trades and all hands will cooperate in the identification of workplace hazards and that they will bring those hazards to the SSR's attention.

Laboratory testing of on-Site soils has shown that concentrations of Lead exceed California (non-RCRA) hazardous levels which presents a human health hazard on the Site. A Soil Management Plan has been prepared to provide guidance and procedures for soil management during construction activities that will involve handling and removal of soils that are or may be impacted by environmental contaminants

All meeting attendees will be required to sign in to ensure they were briefed on the safety briefing. Topics discussed will include but not be limited to specific construction activities occurring on a certain day and general everyday safety requirements (for example minimum standard Alten PPE safety vest, safety glasses, approved work boots and ear protection when needed), housekeeping, public safety etc.). There is an eye wash station in Alten's job site trailer. (JHA) Job Hazard Analysis forms will be filled out by Alten and all subs to identify all hazards to any specific tasks. These job briefings will be utilized to inform and train the workers on any and all restriction zones and engineering controls in place for

hazardous materials and/or silica exposure.

4. **Scope of Work;**
   Build two new swimming pools, new equipment/chem buildings and tennis court.
   a. Reference Alten Construction's Lead Impacted Soil Off-haul Sequence Plan dated 11/6/2024.

5. **Job Risk Assessment**

Alten Construction will perform inspection walkthroughs to ensure the jobsite is safe to work in as well as to make sure that there are no dangers to overall workforce. All hazardous materials will be removed before any other trade will be allowed to commence work. There also exists risk from fall hazards, as well as a risk from moving equipment and materials on and off the site. Specific areas of risk are addressed in more detail below:

a. Hazardous Materials – all hazmat removal will be handled by a licensed subcontractor who will fully comply with CRF and CCR Regulations. Laboratory testing of on-Site soils has shown that concentrations of Lead exceed California (non-RCRA) hazardous levels which presents a human health hazard on the Site. A Soil Management Plan has been prepared to provide guidance and procedures for soil management during construction activities that will involve handling and removal of soils that are or may be impacted by environmental contaminants.
b. Any unforeseen items in found on-site that are not specifically identified by the project plans and specifications will be brought to the owner's attention. If there is a chance that the unforeseen material is hazardous in nature, work will cease. The owner's IH and/or hazardous material competent person will be brought in to determine how the material will be handled. The owner will be kept fully appraised of this process. Any unforeseen hazardous materials found at the site shall be handled in compliance with both CFR and CCR regulations, with time tracked on T&M.
c. Demolition practices shall take into account the potential for silica exposure. Alten will work with the demolition subcontractor to ensure that suitable engineering controls are in place during all silica exposure activities to keep both the trades and the public safe from silica exposure.
d. Heat Injury Illness Protection Program; Alten has a formal Heat IIPP. The Site Safety Representative will be trained to know when to implement Heat IIPP programs, and will be capable of training the trades.
e. All trenching and excavation activities will be performed by trades under the supervision of a shoring and excavation competent person.
f. Concrete construction-all appropriate PPE measures to be used. Hard hat PPE's will be required at all times, trained pump operators will be required, and employees will be prevented from walking under the concrete's boom pump. Carpenters qualified to use both boom lifts, scissor lifts, and forklifts will be utilized for all formwork operations.
g. Vehicular traffic- The location shows narrow and busy access to the site requiring vehicle drivers to use all safe driving techniques. Flaggers will be used to safely move large trucks in and out of the site. All construction vehicles will be maintained and operated in a safe manner with functioning backup alarms.
h. Fall protection – The competent person on the job will determine which type to implement.

6. **Site Specific Employee Training**

This particular project jobsite will require training for the following items. For the most part, training will be accomplished through toolbox training sessions.

Required Training	Required Competent Persons	Required Qualified Persons
Asbestos	Asbestos	Concrete Equipment
First Aid	Excavation	Electrical Work
Ergonomics	Fall Protection	Check Opening Covers
Utility Locator	Utility Locator	Utility Locator
Excavation	Lead	Ladders
Fire Extinguishers		Lasers
Flaggers		Lockout/ Tagout
Forklifts		Scaffolds
Haz Comm/ MSDS		
Heat Illness		
Toolbox Meetings		
Ladders		
Lead /Hazwhoper	Harry Torrano	
Lockout/ Tagout		
Roofing		
Rolling Scaffold		
Silica		
Tools + Equipment		
Powder Actuated Tools		

The Site Safety Representative will have a Safety Meeting with all employees to go over Site Specific Hazards which have been identified in the Job Risk Assessment section and encourage any input from the employees. The Competent and Qualified persons will be identified at this time. The employees will also be trained in the Emergency Evacuation Plan and the Medical Emergency Plan.

The Employee training section found in the Corporate IIPP is specifically included with this Jobsite Specific IIPP. Training is an employer obligation designed to communicate and train the trades in safe work practices. As noted in the Corporate IIPP, all new hires will be trained in the job; all trades will be trained in their specific tasks. Alten Construction has a strong commitment to safety; this commitment must be communicated to all employees so that they understand the commitment and that they understand their own employee responsibilities.

Hazardous Lead Soil Training Requirements:

1. Personnel entering an exclusion zone shall be required to participate in an orientation briefing and sign an acknowledgment prior to entry.
2. For personnel entering the exclusion zone, the following requirements shall be completed:
    a. Attend orientation meetings, be familiar with the project specific HASP, and sign acknowledgment thereof.
    b. At least one site supervisor must possess Certified 40-hour Federal Occupational Safety and Health Administration (OSHA) Health and Safety/Hazardous Waste Operations training (pursuant to 29 CFR 1910.120) and have attended 8-hour refresher class within the last year; this training is recommended for all staff entering the exclusion zone.
    c. It is recommended that all personnel handling soil or entering the exclusion zone participate in the Lead in Construction medical surveillance program, it is assumed the specialty hazardous soils contractor will have this included for their employees. See specialty hazardous soils contractor's soil remediation plan.
3. Specialty Hazardous Soil Contractor Training (PALS)
    a. All PALS employees conducting hazardous materials abatement on this project will have the following:
        i. Lead-awareness training
        ii. Current Medical Evaluation

iii. Current Fit-Test Documentation
iv. Current Blood Test Results.

7. **Site Specific Emergency Evacuation Plan**

In case of a job wide emergency all employees will be instructed to gather at the laydown area @ the northeastern portion of the site. The employees will be directed to walk to the laydown area, to await further instructions. The phased worksite covers two new swimming pools, tennis courts and out buildings, which requires the Site Safety Representative to use multiple modes of communication to convey information directly with every worker. This may require the SSR to walk the entire site as the trades are gathering at the laydown area of the site. Communication will be accomplished through verbal communication, hand signals and or the cell phone. Individual subcontractors may have radios as well. Given the size of the site, the SSR will be required to walk the entire work area to make sure no individuals remain left behind or within individual areas of the jobsite. Once gathered at the common office area located on the northeastern portion of the jobsite, the SSR's will perform a head count to make certain that all parties are accounted for. Once all parties are accounted for, the SSR will then direct the workers to their next location.

8. **Site Specific Medical Emergency Plan**

a. Call 911 in a serious emergency

b. Call the project superintendent and/ or the project engineer AFTER calling 911.

c. Assign a worker to the entrance gate to direct emergency services to the source of the problem.

d. Follow instructions from your superintendent and/or the emergency service workers.

e. The phone numbers, addresses and directions to the nearest medical facilities will be provided by the program administrator and posted on the wall of the trailer. Construction personnel will be trained on where this information is posted as well as the necessary steps needed in these types of situations.

9. **Nearest Hospital**
Alameda Hospital 2070 Clinton Ave. Alameda, CA. 94501.

10. **Nearest Urgent Care**
Concentra Urgent Care 348 Embarcadero West Oakland, CA 94607.

11. **Alameda Fire Department**
Fire Station 1
2401 Encinal Ave, Alameda, CA 94501
(510) 337-2210

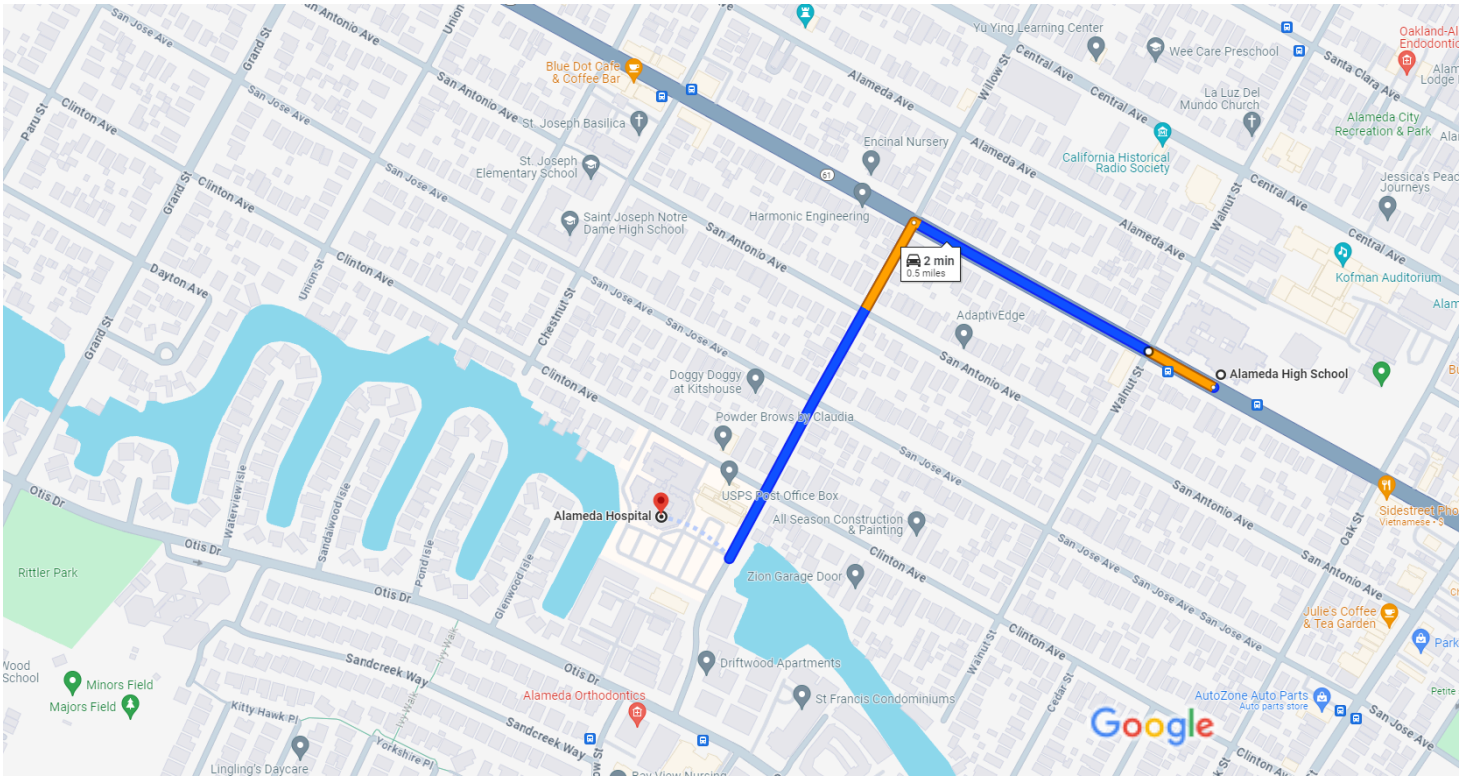
12. **Alameda Fire Department**
1555 Oak St, Alameda, CA 94501
(510) 337-8340

Google Maps

Alameda High School, 2200 Central Ave, Alameda, CA 94501 to Alameda Hospital, 2070 Clinton Ave, Alameda, CA 94501

Drive 0.5 mile, 2 min

ALAMEDA HOSPITAL



Map data ©2024 Google 200 ft

Alameda High School
2200 Central Ave, Alameda, CA 94501

1. Head northwest on Encinal Ave toward Walnut St

0.2 mi

2. Turn left at the 2nd cross street onto Willow St
Destination will be on the right

0.3 mi

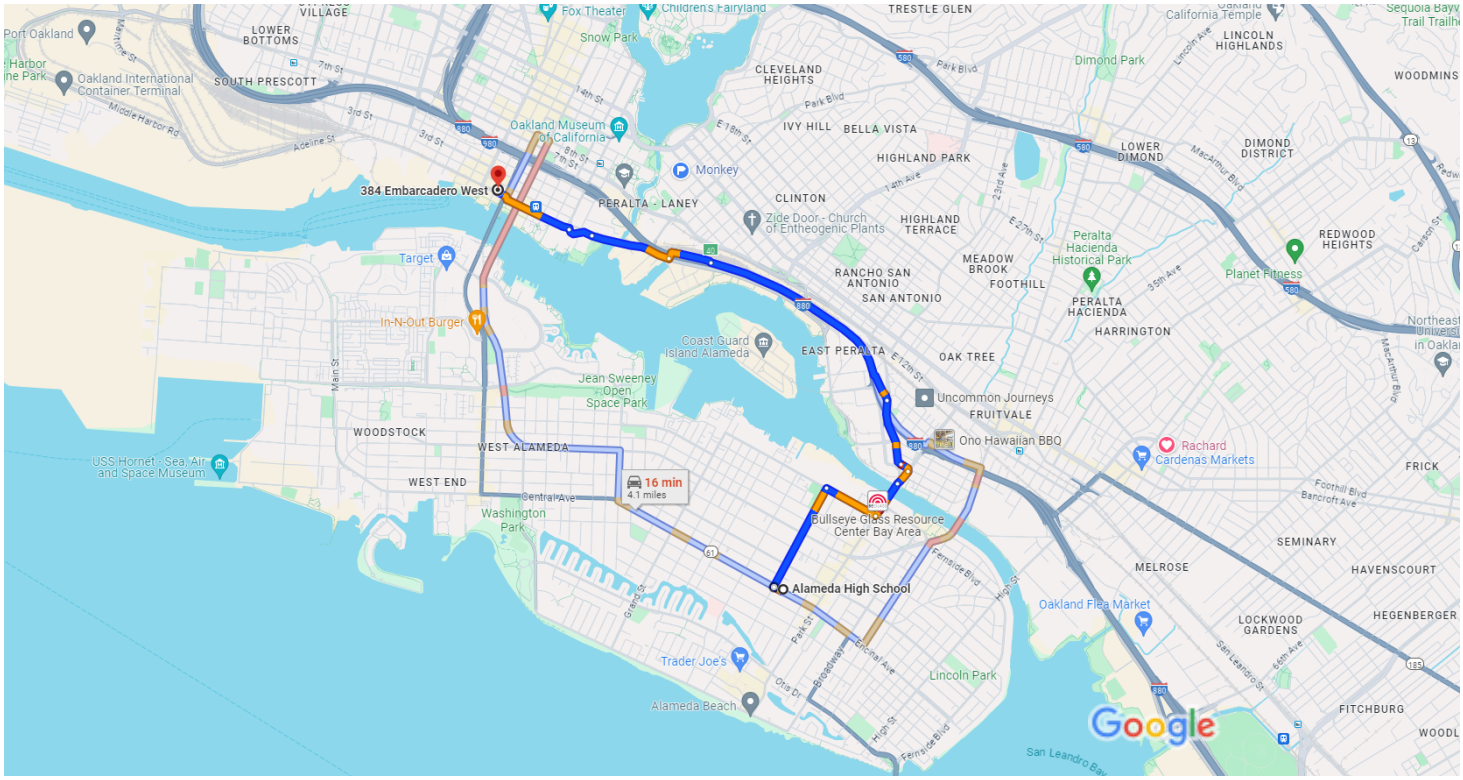
Alameda Hospital
2070 Clinton Ave, Alameda, CA 94501

Google Maps

Alameda High School, 2200 Central Ave, Alameda, CA 94501 to 384 Embarcadero West, Oakland, CA 94607

Drive 4.2 miles, 14 min

CONCENTRA URGENT CARE



Map data ©2024 Google 2000 ft

Alameda High School
2200 Central Ave, Alameda, CA 94501

1. Head northwest on Encinal Ave toward Walnut St
   11 sec (262 ft)

2. Turn right at the 1st cross street onto Walnut St
   3 min (0.6 mi)

Take 23rd Ave, I-880 N and Embarcadero to Embarcadero West in Oakland

10 min (3.6 mi)

3. Turn right onto Clement Ave
   0.3 mi

4. Turn left onto Park St
   0.2 mi

5. Park St turns slightly right and becomes 29th Ave
   Pass by 7-Eleven (on the left)
   459 ft

6. Turn left onto Ford St

322 ft

7. Use the middle lane to turn right onto 23rd Ave

0.4 mi

8. Use the left lane to merge onto I-880 N via the ramp to Downtown/Oakland

1.3 mi

9. Take exit 40 for Embarcadero toward Fifth Ave

0.3 mi

10. Turn right onto Embarcadero

0.4 mi

11. Continue onto Embarcadero West

0.1 mi

12. Turn left to stay on Embarcadero West

Destination will be on the right

0.4 mi

384 Embarcadero West
Oakland, CA 94607

DocuSign Envelope ID: FF95E58A-56E4-47DE-B7F6-DACF4A9925CF

Illness and Injury Prevention Plan

DocuSign Envelope ID: FF95E58A-56E4-47DE-B7F6-DACF4A9925CF

Alten Construction
Illness & Injury Prevention Program

1141 Marina Way South

Richmond, Ca. 94804

Main 510.234.4200

Fax 510.234.4402

Illness and Injury Prevention Plan
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Management Commitment to Safety in the Workplace

Corporate Safety Mission

In all phases of its endeavors our company, Alten Construction, Inc., is guided by an established Health and Safety Program. This program is based on a sincere desire to eliminate personal injuries, occupational injuries or illnesses and damage to equipment and property, as well as to protect the public whenever and wherever the public is exposed to, in contact with, or is affected by, the Company's work.

All managers and supervisors are charged with the responsibility of identifying and preventing unsafe acts and/or conditions that could lead to occupational injuries or illnesses. While the ultimate success of a health and safety program depends upon the full cooperation of each individual employee, it is management's responsibility to see that health and safety work practices and procedures are not only adequate, but also, enforced. They also ensure that effective training and education programs are employed to the greatest advantage.

Safety shall not be sacrificed for production, but rather considered an integral part of quality control, cost reduction and job efficiency. Every supervisor shall be aware of the safety performance demonstrated by the employees under his/her supervision .

Our company has achieved a high level of safety consciousness and is proud of it's achievement in accident prevention. Nevertheless, as long as the possibility exists for even one person to suffer injury or illness we must continue to stress and strive for improvement.

It is our goal to totally eliminate accidents and illness from our operations for these reasons:

1. No endeavor is worthy if it should bring about human suffering through injury, illness, or loss of life.
2. A good safety record reflects the quality of management, supervision and work force. It also serves to promote business and thereby contributes to the continuing growth and success of the Company.
3. Accidents increase costs and decrease profits.

"Our mission is to accomplish work in the safest possible manner, to be the builder of choice for our customers, the employer of choice for our people, and to achieve a fair balance of safety, responsibility,

DocuSigned by:
Bob Alten
FAD1BDCCF3B54A8...
President

4/28/2020 | 4:51 PM PDT
Date:

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Section 1: Introduction

Introduction

Our Company is committed to providing a safe and healthful working environment for all our employees. As part of this goal, we are pledged to achieving voluntary compliance with OSHA, and other regulatory agencies. This can only be accomplished through cooperation from all employees.

This manual constitutes our Corporate Health and Safety Program Manual. It defines Safety Management systems to effectively implement job site safety programs, and defines individual responsibilities. This manual is not designed to, and no representations are made that it will satisfy all federal, state, local, or client requirements. It is the responsibility of each project management team to have a working knowledge of the standards and regulations necessary to meet all requirements for the assigned project.

This Health and Safety Program Manual has been developed as a guide to:

1. Promote systematic and uniform coordination of our Corporate Health and Safety Program on each project
2. Facilitate and improve communication through all levels of management and to establish responsibility for implementing safety compliance programs and enforcement
3. Encourage voluntary compliance with federal, state, local, and client health and safety requirements
4. Eliminate personal injury, illness, and property damage losses to the Company and our clients

The following Injury and Illness Prevention Program is written to be “Site Specific” for California Projects.

The Company has developed and implemented an injury and illness prevention program (IIPP)

The work performed by our Company is varied, both in nature and location. Under all circumstances, it is the intent of management to comply with the requirements and the spirit of all California codes and regulations, and to provide a safe and healthful work environment for all employees. The information on the following pages shall serve as the **minimum** requirements for all Company employees.

In all phases of its endeavors, our company, Alten Construction, Inc., is guided by an established Health and Safety Program. This program is based on a sincere desire to eliminate personal injuries, occupational injuries or illnesses and damage to equipment and property, as well as to protect the public whenever and wherever the public is exposed to, in contact with, or is affected by, the Company’s work.

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Safety shall not be sacrificed for production, but rather considered an integral part of quality control, cost reduction and job efficiency. Every supervisor shall be aware of the safety performance demonstrated by the employees under his/her supervision.

It is our goal to totally eliminate accidents and illness from our operations for these reasons:

1. No endeavor is worthy if it should bring about human suffering through injury, illness, or loss of life
2. A good safety record reflects the quality of management, supervision and work force. It also serves to promote business and thereby contributes to the continuing growth and success of the Company
3. Accidents increase the cost and decrease profits

Our policy is to accomplish work in the safest possible manner, consistent with superior work practices.

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Section 2: Authority and Responsibility

For the IIPP to be an effective program, clear areas of responsibility must be determined. The following sections outline the authority and responsibilities under this program.

IIPP Program Administrator

The Alten Construction Safety Manager, Bob Giraudo, will serve as the Program Administrator and has the authority to implement all elements of this program and will also be responsible to maintain and update the IIPP.

Human Relations Manager

The Alten Construction Human Relations (HA) Manager, Jackie Torres, sits on the Management/Labor Safety and Health Committee and is also a member of the Alten Construction Incident Review Board. The HR Manager will be responsible for maintaining confidential employee health records, records of disciplinary action and any other confidential record required by the IIPP.

Manager/Project Superintendent

The Project Manager/Project Superintendent has the authority and is responsible for the Company Injury and Illness Prevention Program on this project. The responsibility to implement the IIPP may be delegated to a site safety professional, or a project safety committee made up of management and employee representatives. The site safety professional or project safety committee shall perform weekly, documented inspections and provide corrective actions on identified hazards.

1. The Project Manager/Project Superintendent responsibilities include:
2. Enforcing the safety procedures that apply to the work supervised
3. Providing adequate basic job training and safety instruction to all employees under their supervision
4. Being fully accountable for preventable injuries, collisions, and liabilities caused by their employees
5. Providing continuing safety instruction while issuing daily work assignments to focus attention on potential hazards and changes in work conditions or procedures
6. Ensuring the necessary safety equipment and protective devices, including personal protective equipment for each job are available, used, and maintained properly
7. Continually observing and evaluating work conditions and work procedures to detect and correct unsafe conditions or practices

8. Promptly and properly investigating and reporting incidents, participating in the investigation, developing effective corrective actions, and ensuring that therecommended corrective actions are completed
9. Keeping records of all employee training, corrections of unsafe conditions, dates and results of workplace inspections

Employees

Each employee is required, as a condition of employment, to develop and exercise safe work habits in the course of his/her work to prevent injuries to oneself, his/her fellow workers. Employees have the responsibility of performing their tasks properly and safely. They are to assure themselves they know how to do the job properly, and ask for additional training or assistance when they feel there is a gap in their ability, knowledge, or training. They should never undertake any task, job, or operation unless they are able to perform it safely.

Each employee is responsible for:

1. Promptly reporting to his/her supervisor all incidents occurring within the course of his/her employment, no matter how minor
2. Cooperating with and assisting in the investigation of incidents to identify causesand corrective measures to prevent their recurrence
3. Promptly reporting to his/her supervisor all unsafe actions, equipment, tools, practices, or conditions he/she observes
4. Becoming familiar with and implementing approved safe work procedures during the course of his/her work activities
5. Keeping work areas clean and orderly at alltimes
6. Obeying all safety rules and following workinstructions
7. Inspecting, wearing, and maintaining the appropriate personal protective equipment when required by the Alten Construction's Personnel Protection Equipment (PPE)program

Section 3: Compliance

Documentation and Regulatory Compliance

A. General

Documentation is a basic component of a successful safety program. Documentation is essential for:

- Compliance with federal, state, local, company and client regulations.
- Accountability

B. Procedures

The Company has developed forms for documenting most aspects of the safety program. Use the proper form for the specified function:

- Safety Meetings- Weekly "Tool-Box Safety meeting forms (sent to supers with their paychecks each Friday
- Hazard Communications-HazComm Training Certification
- Safety Training & Orientation Record of Safety meeting form
- Operator Certification-Certification of training and equipment Qualification
- Workers' Compensation- First report of Injury/Seabright WC form
- Accident Reporting- Supervisor Accident Investigation Report Form
- Equipment Damage- Supervisor Accident Investigation Report Form
- Accident Investigation- Supervisor Accident Investigation Report Form

These forms can be found in your Superintendents Forms Manual, or you may ask the Personnel Office for them.

Employee Responsibility

All employees are responsible for using safe work practices, for following directives, policies and procedures, and for assisting in maintaining a safe work environment.

Employees shall be without fear of reprisal for making any safety or health-related complaints, requests, or suggestions to any corporate or project management personnel. We encourage employee input and suggestions to improve safety and health on the project.

Performance Evaluations

- Managers and Supervisors are evaluated on what they have done to ensure a safe workplace for their respective employees as part of their regularperformance evaluations. They are also evaluated on their positive or negative loss results.
- Employees are evaluated on their compliance with safe work practices as part of their regular performance evaluations

Recognition

Department managers, supervisors and employees, who make a significant contribution to the maintenance of a safe workplace, as determined by their superiors, receive written acknowledgment maintained in their personnel files.

Employee Training

New Hire Orientation

A new hire orientation program is given to all new employees and includes a review of the IIPP and a discussion of policies and procedures employees are expected to follow. This program is documented on the New Employee Safety Orientation Checklist provided in Attachment 2

A. New Employee Orientation

1. Employees are to receive and read the Code of Safe Work Practices; supervisors are to ensure that their employees fully understands and acknowledges the receipt of the Code of Safe Work Practices by signing the appropriateforms
2. Employee are to receive training on the followingsubjects:
   a. The potential occupational hazards in general in the workplace area and those associated with their job assignment
   b. General Safety Practice information, which indicates the safe work conditions,safe work practices and personal protective equipment, required for their work
   c. The hazards of any chemicals to which they may be exposed and their right to information contained on Safety Data Sheets (SDS) for those chemicals, and how to understand this information
   d. Employee's right to ask questions, or provide any information to the employer on safety either directly or anonymously without fear of reprisal

B. Employee Training

1. Employees will attend the weekly safety meetings conducted bysupervisors
2. Employees will receive specific safety instructions on any unusual job assignment, which may expose them to unusual risk ofinjury
3. Employees will receive specific training on/about any hazardous materials or situations they may be exposed to
4. Employees will receive additional instruction when they have committed aninfraction/ violation of employee safety rules or those of theproject

C. Formal training may be conducted as follows:

1. Verbally through weekly safety meetings
2. Written information either posted in a conspicuous location that employees will see (bulletin board), or distributed directly to employees
3. Prominent display of safety posters
4. Use of audio/visual training material
5. Review and training on a Critical Task Analysis

Employee Correction

Employees receive appropriate initial and refresher safety training per regulatory requirements.

Employees who fail to follow safe work practices and/or procedures, or who violate organizational rules or directives, are subject to disciplinary action, up to and including termination in accordance with the Alten Construction's personnel policies.

Managers and supervisors are responsible for correcting safety violations and preventing their recurrence.

The following guideline will be followed for correction action:

a. First Offense - The employee is given verbal counseling

b. Second Offense - The employee is given a written warning. The documentation outlines the nature of the offense, what action the employee must take to correct the problem, and warns the employee another violation may result in suspension

c. Third Offense - The employee is given a Notice of Intent to issue disciplinary action, which may include one or more of the following actions: suspension without pay, employee placed on probation or termination

d. Fourth Offense - Termination - When an employee is terminated, specific and documented communication as outlined above must have occurred

Notwithstanding the above, Alten Construction reserves the right to correct in any fashion it deems appropriate, including the right to terminate immediately an employee for a safety violation.

Section 4: Support Systems

Management is responsible for ensuring that all safety and health policies and procedures are clearly communicated and understood by all workers. A statement of support for a safe and healthful workplace is included in Attachment I and distributed to all new employees.

All workers are responsible for using safe work practices, for following all directives, policies and procedures, and for assisting in maintaining a safe work environment. For certain high-risk exposures, Alten Construction management team has developed Task-Specific Standard Safety Procedures. In addition to the Task-Specific Safety Procedures, the following basic rules are provided to promote employee safety. An employee Safety Procedures Manual has been prepared, separate and apart from this IIPP. It includes an expanded Code of Safe Practices and a collection of Standard Safe Operating Procedures.

Whenever a new high risk task is to be performed, a Job Safety Analysis (JSA) will be performed. The JSA will be prepared by the job supervisors and reviewed by the Safety Manager. If the new task is a permanent addition, the results of the JSA will form the basis for a new Standard Safety Procedure.

- All persons shall follow these safe practice rules, render every possible aid to safe operations, and report all unsafe conditions or practices to the appropriate manager
- Managers shall insist on employees observing and obeying every rule, regulation, and order as is necessary for the safe conduct of the work, and shall take such action as is necessary to obtain observance
- Anyone known or suspected to be under the influence of drugs or intoxicating substances that impair the employee's ability to safely perform the assigned duties shall not be allowed on the job while in that condition
- Horseplay, scuffling, and other acts that tend to have an adverse influence on the safety or wellbeing of the employees shall be prohibited
- Work shall be well planned and supervised to prevent injuries in the handling of materials and in working together with equipment
- No one shall knowingly be permitted or required to work while the employee's ability or alertness is so impaired by fatigue, illness, or other causes that it might unnecessarily expose the employee or others to injury
- Employees shall be instructed to ensure that all guards and other protective devices are in proper places and adjusted, and shall report deficiencies promptly to the appropriate manager
- Workers shall not handle or tamper with any electrical equipment, machinery, air or water lines in a manner not within the scope of their duties, unless they have received instructions from their manager
- All incidents and injuries shall be reported promptly to the appropriate manager so that arrangements can be made for medical or first aid treatment

- Employees will follow safe lifting practices

Alten Construction systems for supporting employees in their efforts to ensure compliance with this program and promote a safe workplace include:

Alten Construction will take progressive disciplinary action against any employee that works in a manner that results in unnecessary risk to him/her, other employees, or the public. Disciplinary actions will follow the progressive discipline procedures outlined by the Human Resources Department. Depending on the severity of the employee's actions, the discipline process may be accelerated.

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Section 5: Communications Systems

Alten Construction recognizes that open, two-way communication between management and staff on health and safety issues is essential for an incident-free, productive workplace. The following systems for communication are designed to facilitate a continuous flow of safety and health information between management and staff in a form that is readily understandable.

Safety Meetings

Department supervisors or lead personnel conduct monthly safety meetings. During these meetings, each supervisor or lead person shall discuss with the employees under his or her direct supervision issues such as:

- New hazards that have been introduced or discovered in theworkplace;
- Causes of recent incidents or injuries and the methods adopted by Alten Construction to prevent similar incidents in the future; and
- Any health or safety issue deemed by management to requirereinforcement.
- Comments from employees regarding safety issues of concern to them.

All such meetings are documented on the *Employee Meeting & Training Report Form provided in Attachment 3*.

Anonymous Notification Procedures

Employees who wish to inform Alten Construction of workplace hazards may do so anonymously by submitting their report via the Employee Suggestion Box, by reporting the concern to their union representative, or by sending a written notification to the Program Administrator using, “Report of Unsafe Condition or Hazard” form provided in Attachment 4. The Program Administrator shall investigate all such reports in a prompt and thorough manner. No employee shall be retaliated against for reporting hazards or potential hazards, or for making suggestions related to safety.

Postings

Alten Construction has posted safety warning signs throughout the facility to communicate requirements to employees. These signs include items such as the required personal protective equipment, the requirements for reporting safety and health matters, the requirements for traffic flow and speed, and the requirements for fire protection. The Cal/OSHA 300 log of injuries will be posted conspicuously no later than February 1 until April 30 annually.

Training

Alten Construction has training requirements designed to instruct each employee on general safety procedures and those on specific to the employee's job. These training requirements are described in greater detail in Section 9 of this program.

Management/Labor Safety and Health Committee

A. Project Safety Committee (if applicable)

1. Implement the Company Safety Program
2. Establish programs to acquaint each employee with hazards they may be exposed to on the project
3. Implement the Company IIPP as described in this manual
4. Keep Safety bulletin board current
5. Review projects safety performance and correct deficiencies
6. Investigate accidents and institute corrective actions

Section 6: Workplace Evaluations

In order to ensure that our employees have a safe and healthful workplace, Alten Construction representatives will conduct initial and periodic reviews of tasks and work environments

Initial Job Safety Analysis

Prior to the initiation of a new task, a competent individual familiar with the operation will conduct a Job Safety Analysis (JSA) of the task and work environment for potential hazards. Based on this JSA, a list of potential hazards and controls including equipment, work practices, and personal protective equipment will be developed to serve as the basis for development of a new Standard Safety Procedure.

Periodic Safety Inspections

Safety Inspections are conducted on a monthly basis on all work sites. The standardized inspection forms are provided in Attachment 5 and will be used to ensure completeness and documentation of the inspections. Documentation of findings and corrections will be kept in a Safety File at the main office at Alten Construction, Inc. 4

When a deficiency is observed, it must be noted on the inspection form. If the deficiency is immediately corrected, the responsible supervisor or manager can close out the item and sign-off on the inspection form. For deficiencies that require additional time to be corrected, a summary list will be issued with identified Manager responsibly for correction of deficiencies. The Safety Manager will follow-up on all identified items and record completions date of correction.

Evaluations Based on Changes to the Workplace

Workplace hazards will be re-evaluated via the JSA process if there is a significant change in the work environment that results in different or increased hazardous conditions. A new Standard Safety Procedure will be prepared and distributed to all employees. The inspection form will be used if new substances, processes, procedures, or equipment are introduced to the work environment.

Evaluations Based on Reported Hazards

Through the open communication culture at Alten Construction, there is the opportunity for employees to communicate new or unrecognized hazards. In such cases, a competent individual and the reporting employee, if known, will review the inspection form for the particular task or work environment to determine if a JSA is necessary.

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Section 7: Incident Investigations

Alten Construction is committed to maintaining an incident-free work environment. However, in the case of an incident, it is necessary to conduct a timely and thorough incident investigation to determine root causes and appropriate corrective actions, if any, to be taken. An incident, for the purposes of this IIPP, is defined as any event that results in, or could have resulted in, a work-related injury, illness, property damage, fire, or explosion, regardless of severity. This definition requires employees and supervisors to focus on all hazardous acts or conditions, not only on those incidents where the consequence of such acts or conditions was severe.

All accidents resulting in injury or property damage, however slight, including *near-misses/hits*, are investigated to determine the primary and contributing causes within seven working days of the initial report. This information is documented on the *Report of Accident/Incident/Injury* provided in Attachment 6 and is analyzed to assist in obtaining corrective actions to prevent similar accidents from occurring in the future. The responsibility to see this investigation is performed rests with the IIPP Administrator.

Employees' Responsibility

All employees shall promptly report to his/her supervisor all incidents they are directly involved in or are witness to and to cooperate with investigation of incidents to identify causes and corrective measures to prevent their recurrence. If the employee has suffered a minor injury that requires no first aid or that can be treated with onsite first aid he/she must fill out a minor injury report provided by their supervisor. If the employee decides to seek medical attention at a later point in time, his/her supervisor will complete a *Report of Accident/Incident/Injury.*

Immediately after an incident, employees who were involved in the incident or who witnessed the incident shall prepare a witness statement. The witness statements will be collected by the supervisor conducting the incident investigation.

Supervisors Responsibility

Within 24-hours of an incident, the appropriate supervisor will be required to complete a Report of Accident/Incident/Injury form and provide it along with the witness statements to the Safety Manager

The immediate supervisor is responsible for conducting the investigation for incidents occurring in operations under their supervision. To ensure a consistent approach to the investigations, supervisors will be trained on incident investigations and use the Report of Accident/Incident/Injury form. The following elements will be completed for each incident investigated:

- Send Incident Notification (email) to: **1st Notification Team** (mailergroup)

- Must make a phone call to alert the supervisor and safetymanager
- Visiting and securing the incident scene as soon aspossible
- Passing out witness statement forms employees involved in the incident or witness toit
- Interviewing involved employees and any otherwitnesses
- Examining the workplace for factors associated with theincident
- Taking photographs of the incidentscene

Management Responsibility

Every employer shall report immediately by telephone, text, or email to the nearest Alten Construction Safety Department any serious injury or illness, or death, of an employee occurring in a place of employment or in connection with any employment.

Immediately means as soon as practically possible but not longer than 8 hours after the employer knows or with diligent inquiry would have known of the death or serious injury or illness. If the employer can demonstrate that exigent circumstances exist, the time frame for the report may be made no longer than 24 hours after the incident.

Serious injury or illness is defined in section 330(h), Title 8, California Administrative Code.

1. As soon as practical (within 1 hour) after knowledge of an incident, the reporting supervisor shall notify **at any time via phone**:
    - The Safety Manager, Bob Giraudo Phone: (C)415-583-6179
    - Shop Manager, Sam Leow Phone: (C)415-720-0101
    - Administration office: (O) 510-234-4200
        1. Bob Alten (C) 415-559-1097
        2. Shannon Alten (C) 415-559-1199
        3. Jackie Torres (C) 650-533-8524
2. Section 2 of the Accident/Incident Report form requires management appraisal and recommendation. This section is completed as soon as practical but, no later than three working days after the incident occurred making note as to any need for follow-up investigation or actions needed to complete a final report. A Root Cause Analysis shall be performed by the Safety Manager as part of the reviewprocess.
3. The reporting supervisor provides the completed original report to the Administration office for review by the Incident Review Board. The members of this Board shall be the General Manager (or his designee), the Safety Manager and the HR Manager. Incidents be reviewed by the review board will include incidents involving:
    - Fatality
    - Disabling Injury
    - Destruction or severe damage toequipment
    - Shutdown of a facilityoperation

- Employee Lost Time

The findings and corrective actions recommended by the Incident Review Board are a component of the manager's final report in collaboration.

4. The Safety Manager reviews ongoing investigations weekly to assure timely completion of a final report.
5. The General Manager is kept apprised of all significant issues pertaining to incidents within Alten Construction.
6. The Safety Manager retains records of findings and corrective action. Human Resources retains records of employee disciplinary action.

The identified corrective actions will be communicated to employees in order to prevent recurrence. Based on the information gathered during an incident investigation, the appropriate inspection forms will be updated.

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Section 8: Corrective Actions

Any unsafe act or condition must be addressed whether the act or condition was identified through a periodic review, safety inspection, incident investigation, or employee report. The issues will be addressed through the implementation of corrective actions.

Immediate Abatement

Since Alten Construction is committed to providing a safe and healthful work environment, it is imperative that a recognized hazardous act or condition is remedied immediately. Every employee has the authority and the responsibility to stop any task, without fear of discipline, where they feel hazardous acts or conditions exist.

Delayed Abatement

In those cases where it is not feasible to take immediate corrective actions on an imminent hazard, management will ensure that all employees are removed from the area except those necessary to correct the hazardous condition. The remaining employees will be provide with the necessary protection and tools needed to resolve the problem in a safe manner.

Hierarchy of Controls

The hierarchy of controls is the preferred method of preventing and controlling hazards. It should be implemented in this order:

Engineering controls
Elimination/Substitution – eliminate the hazard through an engineering remedy or substitution
Other engineering controls – e.g., installing guards on machinery, ventilation or soundproofing;
Administrative controls – safe work policies and procedures enhancing safety such as rotating job assignments to limit hazard exposures; and
PPE – e.g., respirators, hardhats, personal fall protection or earplugs.

When deciding on the best way to control a hazard, start at the top of the hierarchy of controls. First, investigate to determine if the hazard can be eliminated through an engineering remedy or substitution. If this cannot be achieved, use engineering controls to minimize the hazard to a safe level. Then, if needed, use administrative controls to reduce the exposure further. After all other options have been exhausted; use PPE a as last resort. Sometimes, it will take a combination of these methods to reduce the hazard to a safe level. Hazard control may be applied at three different points: the source, along the path or at the employee. The preferred method of preventing and controlling hazards is at the source.

When an immediate danger to life or health (IDLH) hazard is identified, all exposed employees are removed from the area. It may be necessary for properly trained and equipped employees to go back in and correct the hazardous conditions. All affected employees are informed of the hazard(s), and appropriate protective measures are taken until the hazard(s) are removed or controlled to a safe level.

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Section 9: Training and Instruction

Safety training is an integral part of this program and is required to communicate the applicable policies and procedures to all employees of Alten Construction. A training matrix has been developed. The purpose of this matrix is to identify federal and state mandated training, specific job related training, and health and safety training required for all Alten Construction employees. A copy of the training matrix and a schedule for providing the required training will be distributed to Alten Construction employees.

Employee Training

All employees, supervisors, and managers shall have training and instruction on general and job-specific safety and health practices. Employee training and instruction shall be provided as follows:

- Upon implementation of this program, employees will initially be trained on the following:
  - The content of the IIPP and the Employee Safety Procedures Manual
  - Measures for reporting any unsafe acts, unsafe conditions, and incidents
  - Provisions for medical services and first aid including emergency procedures
- Upon hire, all new employees will be trained on the above items prior to being assigned their regular job function
- Upon assignment to a new job function, employees will be trained on the safe methods for completing that function
- Upon introduction of new substances, procedures, processes, or equipment into the work environment, employees will be trained on any new safety issues, including but, not limited to Hazard Communications and other safety issues
- Upon Alten Construction being made aware of new or previously unrecognized hazards, employees will be trained on any new safety issues

Supervisor Training

Since supervisory involvement is such a key element to the success of this program, supervisors need more in-depth training. Therefore, in addition to the above requirements for all employees, supervisors will be trained on the following:

- The importance of establishing and maintaining safe and healthful working conditions
- The hazards associated with each job; how to recognize them; their potential effects on the employees; and the rules, procedures and work practices for controlling exposure to those hazards
- How to relate this information to employees by setting good examples and instructing them in and making sure that they understand and follow safe procedures

- Proper use and completion of the Incident Reporting Form and the Incident Investigation Form
- Incident investigation techniques so that definitive corrective actions can be identified and implemented
- Techniques for observing and evaluating employee work practices and the workplace
- On-line training as pertaining to safety
- OSHA 10-hour or 30-hour construction safety training

Specific Organization-Wide Safety Training

Safety training specific to Alten Construction will include but, is not limited to the following:

- Emergency Action Plan
- Heat Illness Prevention
- Injury and Illness Prevention Program (IIPP)
- PPE
- Hearing Conservation

Disaster Preparedness

This training includes the organization's disaster preparation structure and how the employee fits into the structure, i.e., what the employee is to do under specific circumstances, such as fire, earthquake, medical emergency, and bomb threat.

First Aid, CPR, and Bloodborne Pathogen Training

Designated employees receive first aid, Cardiopulmonary resuscitation (CPR) and blood borne pathogen training in accordance with the American Red Cross and/or American Heart Association requirements.

Defensive Driver Training

Overview

As an authorized driver of a company vehicle, you have been given certain privileges. You assume the duty of obeying all motor vehicle laws, maintain the vehicle properly at all times and otherwise following the policies and procedures outlined in the following.

Chief Executive Officer, Robert Alten

Fleet Administrator

PROJECT VEHICLE POLICY

- Project vehicles are to be used for Company purposes only.
- Employees are required to sue safety restraints (seat belts) whenever they are operating or riding as a passenger in a company vehicle. This is not only when vehicle is operated on public roads, but when driven on the jobsite.
- No employee is permitted to operate a company vehicle while under the influence of any intoxicants or other illegal substance.
- Intoxicants (alcohol) or other illegal substances are not to be transported in company vehicles.
- No one should operate a company vehicle, if their ability to operate it is impaired by the taking of prescribed or over the counter medication.
- All accidents or incidents resulting in damage to the vehicle are to be reported to the Main Office within 24 hours of occurrence.
- Operators of Company vehicles shall have a valid driver's or operator's license in their possession at all times. They should also have some type of authorization from the company to operate the vehicle, and a copy of the insurance certificate, and a copy of the registration as required by law.
- All moving and parking violations are the responsibility of the vehicle user to pay. The costs of the violations are not to be submitted on expense reports.
- Trucks with a gross vehicle weight of 20,000 lbs or greater are only to be driven with a current Class A drivers license in accordance with the applicable laws.
- Employees may request additional training in the safe operation of Company vehicles at any time.
- It is the responsibility of the vehicle operator to ensure that all the necessary and required lights, turn signals, brakes, wipers, etc., are functioning properly as required by applicable laws and the safe operation of the vehicle.
- NO TEXTING WHILE DRIVING POLICY- Effective Immediately
- To expand on our Vehicle Policy, we have instituted a no texting while driving policy. While our current policy requires you to be responsible for following all driving laws, we have implemented an even stricter no texting policy.
- Did you know…. Insurance carriers are taking a harder look at texting while driving violations. They feel these violations are the largest indicator of future accidents, even more so than DUI's.
- To protect you, your fellow team members and the community we drive in, are not allowed to text or use electronic devices while driving company vehicles. If you need to make a call or use a device such as your ipad, you are to pull over and come to a stop in a safe area before using the device. Failure to comply with this policy will result in disciplinary action, including, but not limited to a three strikes notice and potential suspension without pay.

(Alten Construction)

PUBLIC PROTECTION AND VEHCILE SAFETY PLAN

Alten Construction's planning of construction activities includes procedures to protect the general public from hazards associated with the processes carried out by the company. These operations may include all phases of construction and any other activity that may endanger public safety. This safety plan does not apply to the protection of employers or their employees; it is intended to protect the public and surrounding properties by identifying potential hazards and activities on construction projects.

The Public Protection Plan establishes guidelines to be used by the project staff in evaluating, preventing, or reducing (to a minimum) public hazards. The plan will be reviewed and updated periodically to evaluate new hazards or changes in conditions.

Alten Construction's Supervisors/Risk Manager shall:

1. Develop a site utilization work plan that can ensure separation between construction activities and public areas during working hours and after working hour conditions
2. Develop the necessary traffic control plans

Pedestrian Hazards

1. Public pedestrian traffic pathways will be clearly marked at the construction site at all times.
2. Public pedestrian traffic pathways will be maintained so that slipping, tripping and falling hazards are reduced.
3. Non-level surfaces will be delineated with high visibility markings, signs or notices.
4. The public will be notified of closed pedestrian areas and provided access to safe alternative areas. The pathway(s) to the alternative area(s) will be clearly marked.
5. Any floor openings should be planked and secured or barricaded.
6. Any open excavation, road drop offs, manholes, or uneven surfaces shall be barricaded.
7. Barricades can include: Fencing, Cones, Tape, Retractable Belts, Signage and Planks
8. If possible, control visitor access through a sign in log and make sure all visitors are escorted by management.

Security

1. Measures will be established to restrict public access to the jobsite/work area.
2. If access control is not possible, items that may create a hazard will be locked, barricaded or removed.

Pollution

1. Construction operations that generate waste, debris, byproducts or other contaminants that may result in pollution, degradation or contamination will be evaluated and controlled to reduce or eliminate the problem
2. Project waste will be moved only to facilities that are licensed, certified or qualified to accept and process that type of waste

Hazardous Materials and Substances

1. Hazardous materials will be stored away from the public in approved containers that are properly labeled.
2. Emergency response personnel will receive MSDS on the hazardous materials as required by the presiding authority

Injuries and Damage

1. All construction personnel as part of their training shall be instructed to notify their immediate supervisors if any public injury or damage has occurred
2. Any public injury or damage will be immediately assessed and action will be taken to secure medical help and to minimize further injury or damage
3. The area in which the injury or damage has occurred will be secured until proper investigation and documentation have taken place

QUALITY CONTROL PROCEDURES

Our quality control plan is a set of processes that measures and maintains the quality of our service. The plan is implemented to ensure all construction procedures are performed in compliance with the plans and specifications of the written contract between (Name Insured) and our client.

Our work is always based on a written contract that includes the exact specifications of the project.

Alten Construction's Supervisors are responsible to verify that work is completed according to the contract. They shall:

- Ask our clients if the work is meeting their expectations or if they have any concerns
- Walk the job site, paying close attention to the quality of workmanship and how closely procedures are followed
- Perform daily inspections as appropriate and always at competitionof the job
- Make sure identification tags and all other safety policies are in place
- Check in regularly with all workers to make sure they are aware of our standards and that they are properly trained

AUTO SAFETY

Alten Construction's fleet safety program establishes the policies and procedures that all employees assigned to driving duties ("drivers") are needed to follow to help ensure a safe work environment.

Drivers

Drivers must have a current, valid (California) driver's license, and must maintain a clean driving record, i.e., must remain insurable under our company's liability insurance policy according to the standards of acceptability of our Auto insurance carrier. Alten is enrolled in DMV's Pull Notice Program and receives periodic updates about the status of its drivers' activities.

Any employee driving a Company vehicle or driving on Company business must observe all safety, traffic, and criminal laws of this state. No driver may consume alcohol or illegal drugs while driving a Company vehicle, while on Company business, while in a Company vehicle, or prior to the employee's shift if such consumption would result in a detectable amount of alcohol or illegal drugs being present in the employee's system while on duty. In addition, no driver may consume or use any substance, regardless of legality or prescription status, if by so doing, the driver's ability to safely operate a motor vehicle and carry out other work-related duties would be impaired or diminished. No driver may pick up or transport non-employees while in a Company vehicle or on Company business, unless there is a work-related need to do

so. Any illegal, dangerous, or other conduct while driving that would tend to place the lives or property of others at risk is prohibited.
Personal Use of Company vehicles is not permitted, unless pre-approved by a supervisor or for use in the case of an emergency.

Anything a driver does in connection with the operation of motor vehicles can affect that driver's fitness for duty or insurability as a driver. Regardless of fault, circumstance, on- or off-duty status, time, or place, any driver who receives a traffic citation from or is arrested by a law enforcement officer, or who is involved in any kind of accident while driving, must inform an appropriate supervisor about the incident immediately or as soon as possible thereafter. Any penalty, fine, imprisonment, fee, or other adverse action imposed by a court in connection with such an incident must be reported immediately to an appropriate supervisor. In both of the above situations, the matter will be reported to the Company's insurance carrier so that a prompt decision on continued coverage of the employee can be made. The driver involved in an accident or cited by a law enforcement official for violating a motor vehicle law must turn over any documentation relating to such incident as soon as possible to the employer, and must cooperate fully with the employer in verifying the information with other parties involved and with law enforcement authorities. While parking tickets will not affect a driver's insurability, any parking ticket issued on a vehicle that is being used for company business should be reported to an appropriate supervisor at the earliest possible opportunity.

Any employee who violates any part of this policy, or who becomes uninsurable as a driver, will be subject to reassignment and/or disciplinary action, up to and possibly including termination from employment.

Vehicle Maintenance

The purpose of this policy is to ensure the proper, adequate, and cost-effective maintenance of Alten Construction’s fleet through a program that will extend the safety, quality, and longevity of its vehicles.

Each vehicle is required to have a first aid kit, fire extinguisher and SDS binder.

Each supervisor is responsible for the timely maintenance of the vehicles driven by their crews. Oil and fluid changes are performed based on mileage; tire and brake services are done as needed and should be inspected and changed as per manufacturer’s specifications. Non-routine maintenance is done when a driver reports any issue with the functioning of the vehicle.

Job-Site Checklist

I. Housekeeping: Slips, Trips and Falls	Yes	No
Are walking and working surfaces clear and free of debris?	___	___
Are waste and trash containers provided, and used?	___	___
Is there regular removal of waste and trash from the containers?	___	___
Does each trade clean up after themselves?	___	___
Is adequate temporary lighting provided?	___	___
Is temporary storage of materials and supplies done in an organized fashion?	___	___
Are working surfaces clear of cords so as not to create a tripping hazard?	___	___
Are workers trained to not leave any objects near the edges of roofs?	___	___

II.a. Job Site Protection: Protecting the Public	Yes	No
Does insured restrict public access to work site?	___	___

If YES, how? _____

If jobs sites are left unattended for extended periods of time how are they secured and protected from the elements? _____

II.b. Barricading (see websites listed below)		
Barricades can include: Fencing, Tape, Retractable Belts, Signage and Planks	Yes	No
Are direction signs used to inform the public of upcoming construction work?	___	___
Is the sidewalk protection effective?	___	___
Are floor openings planked and secured or barricaded?	___	___
Are open excavation, road drop offs, manholes, uneven surfaces barricaded?	___	___

III. QC/Inspection:		
Are all jobs inspected by a foreman or the contractor daily or at completion	Yes	No
Before leaving job site?	___	___

IV. Sub info is almost always addressed on a Supplemental but here is a good checklist:

Subcontractors used? Yes No Total sub costs: _____

If subs are used are they required to carry GL limits at least equal to our insured and do they list our insured as an additional insured:	__Yes	__No
Are subs required to provide certificates of insurance?	__Yes	__No
Are subs asked to carry workers compensation insurance?	__Yes	__No
Are Hold Harmless agreements required?	__Yes	__No

V. Hazard Communication Does the Program include:	Yes	No
A list of hazardous chemicals.	___	___
Container labeling.	___	___
Material Safety Data Sheets (MSDS)	___	___
Employee training.	___	___
Informing other contractors.	___	___
Posting.	___	___

Workplace Violence Prevention Program

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Introduction

Look for instructions in blue where you should add specific details for your organization.

This **Workplace Violence Prevention Program** aids **Alten Construction** in protecting workers from physical and mental harm at work. It adds to the Company's existing and effective Injury and Illness Prevention Program. This plan is maintained in accordance with California's Senate Bill 553, but conscientious employers in other states can also implement it at their discretion.

According to the U.S. Bureau of Workplace Statistics, in 2020, the most recent year for which statistics are available, there were **392 workplace homicides** and **37,060 nonfatal injuries** in the workplace resulting from an intentional injury by another person. Service occupations have the highest incidences of workplace violence, but any industry is susceptible. Researchers at the Harvard Injury Control Research Center have also shown that the U.S. has the highest rate of civilian gun ownership globally. While the link between guns and violence is not definitive, the U.S. has more firearm-related deaths, suicides, and accidents than other high-income countries.

Please consult with competent legal professionals and experts as needed to implement all of the initiatives discussed herein.

Company Name

State the company names that the policies outlined within this document apply to. Throughout the following pages these organizations are collectively referred to as the "Company."

Alten Construction, LLC

Definitions

Workplace violence is any act or threat of violence, harassment, intimidation, or other threatening, disruptive behavior that can occur on the job. It does not include lawful acts of self-defense or the defense of others.

EXAMPLES OF VIOLENCE AMONG COWORKERS

According to the U.S. Department of Labor, there are many forms of workplace violence. Unfortunately, the one that receives the most attention is workplace homicide. However, there are far more incidents of violence that DO NOT involve casualties but still evoke trauma.

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The most frequently encountered situations among coworkers are:

- Concealing or using a weapon.
- Physical assault upon oneself or another person.
- Actions that damage, destroy, or sabotage property.
- Intimidating or frightening others.
- Harassing, stalking, or showing undue focus on another person.
- Physically aggressive acts, such as shaking one's fists at another person, kicking, pounding on desks, punching a wall, angered movements, or screaming at others.
- Verbal abuse including offensive and profane or vulgar language.
- Threats (direct or indirect), whether made in-person or through letters, phone calls, emails, etc.

TYPES OF WORKPLACE VIOLENCE

A combination of one or more types of workplace violence may exist in the Company's workplace:

- **Type 1** violence is committed by a person who has no legitimate business at the worksite and includes violent acts by anyone who enters the workplace or approaches workers with the intent to commit a crime.
- **Type 2** violence is directed at employees by customers, clients, patients, students, inmates, or visitors.
- **Type 3** violence is done by an existing or former employee, supervisor, or manager.
- **Type 4** violence is committed in the workplace by a person who doesn't work there but has or is known to have had a personal relationship with an employee.

Plan Review

The Company will review this plan at least annually. Plan updates will include actively involving employees and authorized employee representatives. The plan will also be updated when a deficiency is observed or becomes apparent and after a workplace violence incident. Changes in federal, state, or local regulations that may reasonably affect workplace violence prevention will also prompt plan updates.

Direct suggested changes or other feedback on this plan to:

Revision History

Review	Reviewed By	Changes	Effective Date

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Scope

Effective Date

This plan is effective as of **[July 1 2024]**.

Purpose

This plan is used in conjunction with the Company's Injury & Illness Prevention Program. The purpose of the Workplace Violence Prevention Program is to identify:

- Procedures for workplace violence hazard identification, evaluation, and correction.
- Steps for proper investigation and resolution of violent incidents.
- How to record information in a Violent Incident Log for every violent workplace incident, as specified.
- Effective employee training on this Workplace Violence Prevention Program, among other things.
- How to address when a new or previously unrecognized workplace violence hazard has been identified and communicating to employees when changes are made to this plan.
- When and how to share certain records with employees, employee representatives, and government officials as specified.

Applicability

This plan applies to all Company employees and all other workers that the Company controls, directs, or supervises on the job to the extent these workers are exposed to worksite and job assignment-specific hazards. This plan is designed to help prevent workplace violence.

EXCLUSIONS

The following employers, employees, and places of employment are exempt from this Workplace Violence Prevention Program.

- **Healthcare facilities**, service categories, and operations covered by Section 3342 of Title 8 of the California Code of Regulations.
- **Facilities operated by California's Department of Corrections and Rehabilitation** that comply with Section 3203 of Title 8 of the California Code of Regulations.
- Employers that are **law enforcement agencies** that are a "department or participating department," as defined in Section 1001 of Title 11 of California's Code of Regulations and that received confirmation of compliance with the Commission on Peace Officer Standards and Training (POST) Program from the POST Executive Director in accordance with Section 1010 of Title 11 of the California Code of Regulations. However, an employer shall be

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exempt only if all facilities operated by the agency are in compliance with Section 3203 of Title 8 of the California Code of Regulations.

- **Employees teleworking from a location of the employee's choice**, which is not under their employer's control.
- Places of employment where there are **less than 10 employees** working at the place at any given time and who are not accessible to the public.

Overall Responsibility & Accountability

PLAN ADMINISTRATOR(S)

The Company has designated the following person or people to implement, coordinate, and maintain this plan.

Full Name	Job Title	Workplace Violence Prevention Role
		Trainer, Administrator, etc.
Bob Giraudo	Safety Manager	

SUPERVISORS, MANAGERS & COMPANY LEADERSHIP

All Company managers and supervisors are responsible for:

- Implementing, modeling, and maintaining the principles of this plan and workplace violence prevention strategies in their work areas.
- Ensuring that all workplace security policies and procedures are clearly communicated and understood by all workers.
- Enforcing the rules fairly and uniformly.
- Answering related worker questions.

EMPLOYEES

Company workers will follow all workplace security directives, policies, and procedures, and assist in maintaining a safe work environment.



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Detection

Organizations with one or more of the following factors inherently have a higher risk for violence in their workplaces:

1) Exchange of money.
2) Employees who work alone.
3) Employees who work at night and during early morning hours.
4) Availability and guarding of valued items, e.g., money and jewelry.
5) Provision, use, or distribution of alcohol or marijuana.
6) Perform public safety or social service functions in the community.
7) Work with patients (healthcare facilities not within the scope of CCR, Title 8, section 3342) clients, passengers, customers, or students known or suspected to have a history of violence.
8) Workers with a history of assaults or who have exhibited belligerent, intimidating, or threatening behavior to others.

Behavior Indicators

While workplace violence may occur without warning, there is often a **pattern of escalating incidents** that provide clues that things may be heading in a concerning direction.

LEVEL I: EARLY WARNING SIGNS

A person is being:

- Intimidating or bullying
- Discourteous or disrespectful
- Uncooperative
- Verbally Abusive

LEVEL II: ESCALATION

A person is:

- Arguing with customers, vendors, coworkers, or management
- Refusing to obey Company policies and procedures
- Sabotages equipment or stealing Company property
- Verbalizing a wish to hurt coworkers or management
- Sending threatening notes to coworkers or management

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- Seeing themselves as victimized by management

LEVEL III: EMERGENCY

A person is exhibiting or engaged in:

- Suicidal threats
- Physical fights
- Destruction of property
- Extreme rage that is possibly disproportionate to the situation
- Using weapons with the intent to harm themselves or others

Hazard Detection & Documentation

Employers must have a system for identifying and evaluating workplace hazards, including the potential for violence.

Specifically, the Company's systems to ensure that workers comply with workplace violence prevention rules and maintain a secure work environment are:

- Informing workers about the provisions of this plan.
- Evaluating workers' performance.
- Identifying and coaching workers who perform work that may increase their risk of workplace violence on how they can protect themselves.
- Providing employee training.
- Discipline up to and including employment termination for workers who fail to comply with workplace violence prevention practices.
- A reporting path either to their supervisor or anonymous submission for workers who observe worrisome behaviors or acts of workplace violence.
- Allowing workers to access communication means to seek emergency assistance, assess the safety of a situation, or communicate with someone to verify their safety.

Describe any additional methods that the Company has adopted to ensure worker compliance.

Inspections & Observation

Periodic inspections and reviews to identify and evaluate workplace security and violence hazards will be performed by competent observers in the following workplace areas.

Competent Observer	Job Title	Area

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INITIAL INSPECTION

Assessing fundamental aspects of the building's physical security and business practices can yield simple, zero-cost or low-cost changes that improve worker safety.

✓	#	Task	Evaluation Items
☐	1	Is the exterior or interior of the workplace attractive to thieves?	• Limited lighting • No security system (cameras, mirrors, etc.) • Broken windows, doors, locks, light bulbs, etc.
☐	2	Are signs posted indicating limited cash is kept on-site?	• Legible sign in visible area
☐	3	Do employees know what to do in the event of a robbery or another crime?	• Q&A • Safe simulation
☐	4	Do employees know how to accurately assess suspicious activity without racial profiling? Do they know how to report it?	• Q&A
☐	5	Are emergency buttons and alarms in an effective location? Do all of them work?	• Controlled test, coordinated with law enforcement, as necessary
☐	6	Do employees have rapid access to a list of emergency telephone numbers for security, law enforcement, fire, and medical services?	• Legible, up-to-date sign in visible area
☐	7	Is the amount of cash kept on the premises limited? Are time access safes used for large bills?	• Physical observation and inspection
☐	8	Do workers have effective escape routes from the workplace? Is there a designated safe area where they can go in an emergency?	• Physical observation and inspection
☐	9	Can doors and rooms be locked?	• Physical observation and inspection
☐	10	Do workers have access to a telephone with an outside line?	• Physical observation and inspection
☐	11	Does the facility have visitors check in at an entrance station to be identified and granted clearance before they proceed into the workplace?	• Physical observation • Safe simulation
☐	12	In a business receiving public visitors, are there areas which are restricted to employees only? Are they secured from unauthorized access?	• Physical observation • Safe simulation

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FREQUENCY

The above inspection will be completed:

1) When Company initially adopted this Workplace Violence Prevention Program.
2) When new workplace security hazards are introduced into the workplace.
3) When new, previously unidentified workplace security hazards are recognized.
4) When workplace security incidents occur.
5) When Company hires and/or reassigns permanent or intermittent workers to processes, operations, or tasks for which a workplace security evaluation has not yet been conducted.
6) Whenever workplace security conditions warrant an inspection.

ADVANCED ANALYSIS & INSPECTION

As warranted, the Company may work with law enforcement or other experts to assess the following aspects of workplace security and response.

- Access to and freedom of movement within the workplace, including non-workers, recently discharged workers, or persons with whom one of the Company's workers is having a dispute.
- Adequacy of workplace security systems, such as door locks, entry codes or badge readers, security windows, physical barriers, and restraint systems.
- Frequency and severity of threatening or hostile situations that may lead to violent acts by persons who are service recipients of our establishment.
- Workers' skill in safely handling threatening or hostile service recipients.
- Effectiveness of systems and procedures that warn others of a security danger or that summon assistance (e.g., alarms or panic buttons).
- The use of work practices such as the "buddy" system for specified emergency events.
- How well the Company's anti-violence policy has been communicated to workers, supervisors, and managers.
- How well Company's management and workers communicate with each other.
- Company workers', supervisors', and managers' knowledge of the warning signs of potential workplace violence.
- Frequency and severity of workers' reports of threats of physical or verbal abuse by managers, supervisors, or other workers.
- Any prior violent acts, threats of physical violence, verbal abuse, property damage, or other signs of strain or pressure in the workplace.
- Worker disciplinary and discharge procedures.

Employee Participation

Employees are encouraged to report concerns about workplace security, workplace violence, or any other job matters.

Describe how Company employees can submit concerns or safety suggestions anonymously.

INSTRUCTIONS TO SUBMIT A SUGGESTION IN KPA'S VERA SUITE

Instructions

1. Go to www.VeraSuite.com. Enter **KPAMSDS** as the username and your KPA client ID/pin as the password. The pin number is on your Safety Data Sheet (SDS) poster.
2. Click on the **Suggestions** tab.
3. Add your idea. **Submit**.

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Correction

The Company does not tolerate harassment or violence of employees, customers or clients, vendors, or suppliers. Any form of harassment or violence that violates federal, state, or local law will be treated as a disciplinary matter up to and including termination. For these purposes, the term “harassment” includes slurs and any other offensive remarks, jokes, or other verbal, graphic, or physical misconduct.

Investigation Procedures

The Company will appoint at least 2 people to conduct the following activities after a workplace violence concern is reported or a non-emergency incident occurs. See the Workplace Violence Emergencies section of this plan for guidance responding to life-threatening incidents. Safety is paramount and involving law enforcement may be necessary.

1) Visit the incident scene as soon as possible.
2) Interview threatened and injured workers and witnesses.
3) Examine the workplace for factors associated with workplace security, including any previous reports of inappropriate behavior by the perpetrator.
4) Determine the cause of the incident.
5) Take corrective action to prevent the incident from reoccurring.
6) Record the findings and corrective actions taken. Notify involved employees about the results of the investigation.
7) Produce a written incident report that includes the date, time, location, description of the type of the event and circumstances leading up to it, as well as the identity of the persons involved.

Actions Hierarchy

Hazards that pose a higher risk for violence in the workplace will be corrected in a timely manner, based on the severity of the hazards. The higher the risk of violence, the greater priority the Company will take in correcting the matter. Hazards will be corrected according to the following procedures:

1) When first observed or discovered.
2) If an imminent hazard exists that cannot be immediately abated without endangering worker(s) and/or property, all exposed workers will be removed from the situation except those necessary to correct the existing condition. In escalating or emergency situations, law enforcement shall resolve the matter.
3) All corrective actions taken and the dates that they are completed will be documented.

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Workplace Violence Emergencies

Any individual observing violent or threatening behavior that poses an immediate danger to themselves, others, or Company property is expected to:

- **Call 911** or other appropriate emergency contacts for that particular facility, particularly if the situation requires immediate medical and/or law enforcement personnel.
- Remain calm and contact your supervisor.
- Secure your personal safety first.
- Leave the area if your safety is at risk.
- Cooperate with law enforcement personnel when they respond to the situation.

Alert System

To signal an evacuation, the facility uses an evacuation notification alarm. The evacuation alarm system is communicated to employees upon hire and is reviewed during re-training sessions. The alarm is distinct and clear so as not to be confused with other forms of communication.

The Company uses the following methods to signal the need for evacuation. Check all that apply.

- ☐ Verbal communication
- ☐ Audible alarm
- ☐ Facility telephone or announcement system
- ☐ Visual alarm
- ☐ Pull box alarm system
- ☐ Mass electronic device communication

Activation of this notification signals all facility employees must stop working and proceed to their evacuation assembly points.

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Evacuation vs. Shelter in Place

Certain circumstances, such as workplace violence events or active shooter situations, may necessitate a facility evacuation. All employees have the right to evacuate a facility if they are in immediate danger.

However, if it is too dangerous or you will cross paths with a perpetrator, sheltering in place may be safer. Sheltering in place means finding a safe location inside the facility and staying there until you are cleared by law enforcement. The Company has designated shelters in place, but if you can't make your way to one of them without endangering yourself:

- Look for a room, preferably one with a locking door.
- Does the door open inward or outward?
- Can you close or block any windows?
- Can you barricade furniture against the door to reinforce it?
- Turn off the lights and silence your phone.

Add recommended shelter-in-place locations at the facility.



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Communication & Training

The Company recognizes that open, two-way communication between management and staff about workplace security issues is essential to a safe and productive workplace. Our communication methods facilitate a continuous flow of workplace security information between management and staff in a form that is readily understandable by all affected workers, and consists of one or more of the following:

- New worker orientation including workplace security policies and procedures.
- Review of this plan.
- Workplace security training programs.
- Regularly scheduled meetings.
- Effective communication between workers and supervisors about security and violence concerns, including translation where appropriate.
- Posted or distributed workplace security information.
- A system for workers to anonymously inform management about workplace security and violence concerns.
- A system for workers to inform management about workplace security hazards or threats of violence without fear of reprisal or adverse action.
- Address security issues at our workplace security team meetings.

Check the one that is applicable to the Company.

☐ The Company has less than 10 employees and communicates with and instructs workers orally about general workplace security practices, and workplace security hazards that are unique to each worker's job assignment.

☒ The Company has appropriate labor/management safety and health committees that:

- Meet regularly.
- Prepare written records of the safety and health committees' meetings.
- Review periodic and scheduled inspection results.
- Review workplace security concerns, investigation findings, and incidents.
- Make suggestions to management about preventing future incidents.
- Review investigations of alleged hazardous workplace security conditions.
- Submit recommendations to assist in evaluating workplace security.

Enter any other methods of effective communication that the Company uses.

Plan Availability

This written plan shall be available and easily accessible to employees, authorized employee representatives, and government representatives at all times. This is accomplished through both hard copies and electronic systems, such as an employee internet portal or similar. Employees may also request a copy of the plan from the company's Administrator.

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Non-Retaliation

The Company will not take adverse action nor retaliate against employees in any way if they report workplace violence concerns or if they refuse to report to work or leave a workplace or worksite because they have a reasonable belief that the workplace or worksite is unsafe.

Training Elements

The Company shall use training material that's appropriate in content and vocabulary to employees' educational level, literacy, and language. **Note:** The "Workplace Violence and Active Shooter Response" online training course is available in KPA software for Company employees to complete.

At a minimum, the following topics will be covered as part of the Company's emergency response and antiviolence training:

- The details of this Workplace Violence Prevention Program, how to obtain a copy of it at no cost, and how to participate in the plan.
- Definitions and requirements, including recognizing workplace security hazards and the risk factors associated with the 4 types of workplace violence.
- How to report any violent acts or threats of violence to the Company or law enforcement without fear of reprisal.
- Workplace violence hazards specific to the employees' jobs, the corrective measures the Company has implemented, how to seek assistance to prevent or respond to violence, and strategies to avoid physical harm.
- How and when to use the required violent incident log.
- An opportunity for interactive questions and answers with a person knowledgeable about the Company's antiviolence measures.
- Ways to defuse hostile or threatening situations.
- How to recognize alerts, alarms, or other warnings about emergency conditions, and how to use identified escape routes or locations for sheltering.
- Measures to summon others for assistance.
- Worker escape routes.
- Notification of security and law enforcement authorities when a criminal act may have occurred.
- The method for emergency medical care provided in the event of any violent act upon a worker.
- Availability of post-event trauma counseling for workers desiring such assistance.

Training Schedule

All affected workers, including managers and supervisors, will have training and instruction on general and job-specific safe workplace security practices and violence prevention. Training and instruction will be provided as follows:

- When this Workplace Violence Prevention Program is first established and annually thereafter.
- To all new workers.
- To all workers given new job assignments for which training has not been provided.
- Whenever new workplace security concerns are introduced to the workplace and represent a new hazard.
- Whenever the Company is made aware of a new or previously unrecognized workplace security hazard. The additional training may be limited to addressing the new workplace violence hazard or changes to this plan.
- To supervisors so that they can recognize the workplace security hazards to which workers under their immediate direction and control may be exposed.
- To all workers with respect to workplace security hazards specific to each worker's job assignment.

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Recordkeeping

In accordance with laws and legal best practices, the Company keeps records of workplace violence hazard identification, evaluation, and correction for a minimum of 5 years.

Additional Records Practices

- Records of workplace security hazard assessment inspections, including the person(s) conducting the inspection, the workplace security concerns identified, and the action taken to correct the identified concerns, are recorded on a hazard assessment and correction form.
- Training records shall be created and maintained for a minimum of 1 year and include training dates, contents or a summary of the training sessions, names and qualifications of persons conducting the training, and names and job titles of all persons attending the training sessions.
- Violent incident logs shall be maintained for a minimum of 5 years.
- Records of workplace violence incident investigations conducted shall be maintained for a minimum of 5 years. These records shall not contain “medical information.”
- All required records shall be made available to authorities upon request for examination and copying.
- All required records shall also be made available to employees and their representatives, upon request and without cost, for examination and copying within 15 calendar days of a request.



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APPENDIX A: VIOLENT INCIDENT LOG

INSTRUCTIONS: Enter complete information about a workplace violence incident, ensuring that you fill out all the columns of this form. Retain for at least 5 years.

Person Completing This Log: _____ **Date Completed:** _____

Job Title:
_____

Date of Incident	**Time of Incident**	**Location of Incident**	**Location Classification** (Workplace, Parking Lot, Area Outside Workplace, Other)	**Type of Incident** (Physical Attack Without Weapon, Attack With Weapon, Threat, Sexual Assault, Animal Attack, Other)	**Workplace Violence Type** (I, II, II, or IV)	**Detailed Description**	**Who Committed the Violence** (Client, Immediate Family Member, Friend, Stranger, Supervisor, Partner/Spouse, Parent, Relative, Other)	**Employee Circumstances** (Doing usual job duties, Poor lighting, Rushed, Low staffing, Alone, Unable to get help, Community setting, Unfamiliar work location)	**Incident Actions** (Security/Law Enforcement Involved, Corrections)

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Alten Construction Inc.

Heat Illness Prevention Plan Summary

This is a summary of the Alten Construction Inc. Heat Illness Prevention Plan. The detailed plan that includes Site specific updates is in the Alten Construction Injury Illness Prevention Plan to be kept in the jobsite office to be available for anyone who wishes to see it.

Alten Construction Inc recognizes the serious nature of Heat illness in the construction industry and has developed the Alten Construction Heat Illness Prevention Plan in accordance with the California Code of Regulations. Title 8 section 3395.

The written procedures for this plan will include;

- This summary to be included in the Heat Illness section of the IIPP as well as the employee hand book.
- The full written Heat Illness Prevention plan included in the IIPP
- Site specific updates to be completed as required by changing site conditions and included in the Heat Illness section of the jobsite IIPP

The written plan will cover;

- (Training) Employees will receive training thru regularly held safety meetings and handouts. Employees will be included in all jobsite specific updates to the plan. Supervisors will receive training at quarterly safety meetings.

The training will cover;

- The symptoms of Heat illness, headaches, dizziness, confusion, moist skin, upset stomach, fainting, hot dry skin with no sweating, and seizures or convulsions.
- The provision of water. Alten Construction will at all times provide adequate supplies of clean, potable drinking water, and encourage employees to drink water whenever they require it. Location of water stations to be included in the site specific updates.
- The access to shade; Alten Construction will provide designated shade areas as needed. Employees will be encouraged to use these areas to cool down / recover as they require. Location of the shade area or areas to be included in the site specific updates.
- Emergency response; A call to Emergency responders/911 should be made immediately when any person complains or shows symptoms of heat illness. The person should be moved to a shaded / cool area where steps can be taken to cool the person down with water, fanning etc. Emergency response procedures should be followed to aid emergency personnel in safely entering the site.

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HEAT ILLNESS PREVENTION ELEMENTS

(a) Scope and Application

- This section applies to the control of risk of occurrence of heat illness. This is not intended to exclude the application of other sections of Title 8, including, but not necessarily limited to, sections 1512, 1524, 3203, 3363, 3400, 3439, 3457, 6251, 6512, 6969, 6975, 8420 and 8602(e).

- Note No. 1: The measures required here may be integrated into the employer's written Injury and Illness Program required by section 3203, or maintained in a separate document.

- Note No. 2: This standard is enforceable by the Division of Occupational Safety and Health pursuant to Labor Code sections 6308 and 6317 and any other statutes conferring enforcement powers upon the Division. It is a violation of Labor Code sections 6310, 6311, and 6312 to discharge or discriminate in any other manner against employees for exercising their rights under this or any other provision offering occupational safety and health protection to employees.

(b) Definitions.

“Acclimatization” means temporary adaptation of the body to work in the heat that occurs gradually when a person is exposed to it. Acclimatization peaks in most people within four to fourteen days of regular work for at least two hours per day in the heat.

“Heat Illness” means a serious medical condition resulting from the body's inability to cope with a particular heat load, and includes heat cramps, heat exhaustion, heat syncope and heat stroke.

“Environmental risk factors for heat illness” means working conditions that create the possibility that heat illness could occur, including air temperature, relative humidity, radiant heat from the sun and other sources, conductive heat sources such as the ground, air movement, workload severity and duration, protective clothing and personal protective equipment worn by employees.

“Landscaping” means providing landscape care and maintenance services and/or installing trees, shrubs, plants, lawns, or gardens, or providing these services in conjunction with the design of landscape plans and/or the construction (i.e., installation) of walkways, retaining walls, decks, fences, ponds, and similar structures, except for employment by an employer who operates a fixed establishment where the work is to be performed and where drinking water is plumbed.

“Oil and gas extraction” means operating and/or developing oil and gas field properties, exploring for crude petroleum or natural gas, mining or extracting of oil or gas or recovering liquid hydrocarbons from oil or gas field gases.

“Personal risk factors for heat illness” means factors such as an individual's age, degree of acclimatization, health, water consumption, alcohol consumption, caffeine consumption, and use

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of prescription medications that affect the body's water retention or other physiological responses to heat.

“Shade” means blockage of direct sunlight. One indicator that blockage is sufficient is when objects do not cast a shadow in the area of blocked sunlight. Shade is not adequate when heat in the area of shade defeats the purpose of shade, which is to allow the body to cool. For example, a car sitting in the sun does not provide acceptable shade to a person inside it, unless the car is running with air conditioning. Shade may be provided by any natural or artificial means that does not expose employees to unsafe or unhealthy conditions.

“Temperature” means the dry bulb temperature in degrees Fahrenheit obtainable by using a thermometer to measure the outdoor temperature in an area where there is no shade. While the temperature measurement must be taken in an area with full sunlight, the bulb or sensor of the thermometer should be shielded while taking the measurement, e.g., with the hand or some other object, from direct contact by sunlight.

(c) Provision of water.

Employees shall have access to potable drinking water meeting the requirements of Sections 1524, 3363, and 3457, as applicable. Where drinking water is not plumbed or otherwise continuously supplied, it shall be provided in sufficient quantity at the beginning of the work shift to provide one quart per employee per hour for drinking for the entire shift. Employers may begin the shift with smaller quantities of water if they have effective procedures for replenishment during the shift as needed to allow employees to drink one quart or more per hour. The frequent drinking of water, as described in subsection (f)(1)(C), shall be encouraged.

To ensure access to sufficient quantities of potable water, the following steps will be taken:

- Supervisors are responsible for insuring that adequate amounts of clean, potable drinking water and ice or other means of cooling are available before the start of each shift. Minimum, I qt per employee per hour
- Water supplies will be monitored throughout the day at regular intervals.
- Disposable/single use drinking cups will be provided to employees, or provisions will be made to issue their own cups each day.
- Water stations shall be located as centrally as is practical. All employees shall have a water station available to them within a short walk. (less than 5 minutes) Larger jobsites require multiple water stations.
- Supervisors may designate a person responsible for monitoring and filling water stations and maintaining adequate supplies for each shift.
- Employees are encouraged to report to supervisor/designated person low levels or dirty water.
- When drinking water levels within a container drop below 50%, the water shall be replenished immediately; or water levels should not fall below the point that will allow for adequate water during the time necessary to effect replenishment.

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To encourage frequent drinking of potable water, the following steps will be taken:

- Supervisors will provide frequent reminders to employees to drink frequently.
- Heat illness will regularly be the subject of weekly safety meetings during warmer months
- Access to drinking water will be as easy as is practical

Access to Shade

(1) Shade required to be present when the temperature exceeds 80 degrees Fahrenheit. When the outdoor temperature in the work area exceeds 80 degrees Fahrenheit, the employer shall have and maintain one or more areas with shade at all times while employees are present that are either open to the air or provided with ventilation or cooling. The amount of shade present shall be at least enough to accommodate the number of employees on the meal period that remain on site, so that they can sit in a normal posture fully in the shade without having to be in physical contact with each other. The shaded area shall be located as close as practicable to the areas where employees are working.

(2) Shade required to be available when the temperature does not exceed 80 degrees Fahrenheit. When the outdoor temperature in the work area does not exceed 80 degrees Fahrenheit employers shall either provide shade as per subsection (d)(1) or provide timely access to shade upon an employee's request.

(3) Employees shall be allowed and encouraged to take a cool-down rest in the shade for a period of no less than five minutes at a time when they feel the need to do so to protect themselves from overheating. Such access to shade shall be permitted at all times.

Exceptions to subsection (d):

(1) Where the employer can demonstrate that it is infeasible or unsafe to have a shade structure, or otherwise to have shade present on a continuous basis, the employer may utilize alternative procedures for providing access to shade if the alternative procedures provide equivalent protection.

(2) Except for employers in the agricultural industry, cooling measures other than shade (e.g., use of misting machines) may be provided in lieu of shade if the employer can demonstrate that these measures are at least as effective as shade in allowing employees to cool.

(e) High-heat procedures. The employer shall implement high-heat procedures when the temperature equals or exceeds 95 degrees Fahrenheit. These procedures shall include the following to the extent practicable:

(1) Ensuring that effective communication by voice, observation, or electronic means is maintained so that employees at the work site can contact a supervisor when necessary. An electronic device, such as a cell phone or text messaging device, may be used for this purpose only if reception in the area is reliable.

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(2) Observing employees for alertness and signs or symptoms of heat illness.

(3) Reminding employees throughout the work shift to drink plenty of water.

(4) Close supervision of a new employee by a supervisor or designee for the first 14 days of the employee's employment by the employer, unless the employee indicates at the time of hire that he or she has been doing similar outdoor work for at least 10 of the past 30 days for 4 or more hours per day.

To ensure access to shade at all times, the following steps will be taken:

- Whenever possible, provide areas for employees to take their breaks which are:
- Readily accessible
- In the shade and open to the air, and ventilated or cooled
- Near sufficient supplies of drinking water
- Supervisor will set-up an adequate number of; umbrellas, canopies or other potable devices, or designate existing shaded areas onsite at the start of the shift and will relocate them to be closer to the crew, as needed. Equipment should be placed in close proximity (i.e., less than a five minute walk) to the work activity.
- Designated or temporary shade areas shall be of adequate size to allow 25% of employees to sit in the shade without touching each other. Some form of seating will be provided; employees may not sit directly on the ground.

To ensure that employees have access to a preventative recovery period, the following steps will be taken:

- Employees will receive training regarding Heat Illness as the warm weather begins. This training will be repeated throughout the warmer months.
- Supervisors will remind employees regularly of the need for recovery breaks.
- Supervisors will monitor employees and send any employee showing signs of stress for a recovery break.

Written Procedures

1) Employee training. Effective training in the following topics shall be provided to each supervisory and non-supervisory employee before the employee begins work that should reasonably be anticipated to result in exposure to the risk of heat illness:

(A) The environmental and personal risk factors for heat illness, as well as the added burden of heat load on the body caused by exertion, clothing, and personal protective equipment.

(B) The employer's procedures for complying with the requirements of this standard.

(C) The importance of frequent consumption of small quantities of water, up to 4 cups per hour, when the work environment is hot and employees are likely to be sweating more than usual in the performance of their duties.

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(D) The importance of acclimatization.

(E) The different types of heat illness and the common signs and symptoms of heat illness.

(F) The importance to employees of immediately reporting to the employer, directly or through the employee's supervisor, symptoms or signs of heat illness in themselves, or in co-workers.

(G) The employer's procedures for responding to symptoms of possible heat illness, including how emergency medical services will be provided should they become necessary.

(H) The employer's procedures for contacting emergency medical services, and if necessary, for transporting employees to a point where they can be reached by an emergency medical service provider.

(I) The employer's procedures for ensuring that, in the event of an emergency, clear and precise directions to the work site can and will be provided as needed to emergency responders. These procedures shall include designating a person to be available to ensure that emergency procedures are invoked when appropriate.

Emergency Response Procedures

Help reduce the risk of heat related illness, and ensure that emergency assistance is provided without delay.
The employer's procedures shall be in writing and shall be made available to employees and to representatives of the Division upon request. The procedures for complying with the requirements of this standard shall include:

- Shade and Water Stations will be provided and or designated on all sites on any day where the forecasted temperature is to exceed 80 degrees Fahrenheit. Employees will be informed as to their location and encouraged to make full use of those facilities.
- Training: Supervisors will receive training at Quarterly Safety meetings at the beginning of the season. Employees will also receive training at the start of the season and that training will be repeated and reinforced though the summer months. Employee training will take place during weekly safety meetings.
- Supervisors carry cell phones and all sites have phones located in the construction office. Emergency service numbers and jobsite location information will be posted in the construction office near the phone. The location of the phone and the emergency information will be given regularly at weekly safety meetings.
- Working hours will be modified to work during the cooler hours of the day, when possible.
- Supervisors will continuously check all employees, and stay alert to the presence of heat related symptoms.

Procedures for responding to symptoms of possible heat illness, including how emergency medical services will be provided should they become necessary:

- First contact Emergency Medical services for anyone complaining or showing symptoms of heat illness.
- Send flagman (1 or more if needed) to meet Emergency personnel and guide them into the jobsite.
- While waiting for Emergency services to arrive, apply first aid procedures for heat illness Including:
    - Move person to a cool shaded area
    - Loosen or remove heavy clothing
    - Provide cool drinking water
    - Fan and mist the person with water.

Procedures for contacting emergency medical services, and if necessary, for transporting employees to a point where they can be reached by an emergency medical provider;

- Dial 911 or the emergency service number posted in jobsite office
- If the person can be carried safely they may be moved to an area more easily reached by the emergency medical personnel.
- If the person is in a dangerous location such as on a roof or scaffold etc. or moving the person would risk further injury, try to provide shade and misting and call emergency rescue personnel.

Procedures for ensuring that in the event of emergency, clear and precise directions to the work site can and will be provided as needed to emergency responders

- Jobsite address/location information will be posted near the phone with emergency numbers
- Send flagman to meet Emergency personnel and guide them into the jobsite.

To reduce the risk of heat-related illness (HI) and respond to possible symptoms of HI, the following steps will be taken:

- Supervisors will continuously check all employees, and stay alert to the presence of heat related symptoms.
- Co-workers will use a “Buddy system” to watch each other closely for discomfort or symptoms of HI
- Supervisors and co-workers are encouraged never to discount any signs or symptoms they are experiencing, and will immediately report them

Acclimatization

Acclimatization is a process by which the body adjusts to increase heat exposure. The body needs time to adapt when working in hotter environments. Employees are more like to develop heat illness if not allowed or encouraged to take it easy when a heat wave strikes or when starting a job that newly exposes them to heat. Acclimatization is fully achieved in most people in 4 to 14 days of regular work involving at least 2 hours per day in the heat.

During heat waves and with new employees, employers must be extra vigilant. A supervisor or

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designee must closely observe employees. Best practices include finding ways to lessen the intensity of employees work during a heat wave and during 2- week break-in periods of ne employees.

Supervisor Training

Prior to supervising employees performing work that should reasonably be anticipated to result in exposure to the risk of heat illness effective training on the following topics shall be provided to the supervisor:

(A) The information required to be provided by section (f)(1) above.

(B) The procedures the supervisor is to follow to implement the applicable provisions in this section.

(C) The procedures the supervisor is to follow when an employee exhibits symptoms consistent with possible heat illness, including emergency response procedures.

(D) How to monitor weather reports and how to respond to hot weather advisories.

(3) The employer's procedures for complying with each requirement of this standard required by subsections (f)(1)(B), (G), (H), and (I) shall be in writing and shall be made available to employees and to representatives of the Division upon request.

Note: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

Training is critical to help reduce the risk of heat related illness and to assist with obtaining emergency assistance without delay.
Employee training: Training in the following topics shall be provided to <u>all employees.</u>

A. The environmental and personal risk factors for heat illness;
    - High temperature, Humidity, Lack of air movement and direct sun are environmental factors
    - Physical exertion, heavy clothing, dehydration, drug or alcohol use and poor physical conditioning are personal factors
B. The employer's procedures for complying with the requirements of this standard; have been stated previously in this section
C. The importance of frequent consumption of small quantities of water, up to 4 cups per hour, when the work environment is hot and employees are likely to be sweating more than usual in the performance of their duties, also has been fully outlined previously in this section
D. The importance of acclimatization;
    - Drink extra amounts of water
    - Frequent rest breaks
    - Wear light clothing
    - Avoid Alcohol, caffeine or heavy meals
E. .The different types of heat illness and the common signs and symptoms of heat illness;
    - Symptoms of Heat Exhaustion
        - Headaches, dizziness, lightheadedness, or fainting
        - Weakness and moist skin
        - Mood changes such as irritability or confusion
        - Upset stomach or vomiting
    - Symptoms of Heat Stroke
        - Hot dry skin with no sweating

- Mental confusion or losing consciousness
- Seizures or convulsions

F. Always stress the importance of immediately reporting to the employer, directly or through the employee's supervisor, symptoms or signs of heat illness in themselves, or in co-workers
   - Supervisors and co-workers are encouraged to never discount any signs or symptoms they are experiencing, and will immediately report them.

Note: T8CCR3203(a)(3) requires that communication for employees shall be in a form readily understandable by all affected employees.

Supervisors: Prior to assignment to supervision of employees working in the heat, training on the following topics shall be provided:

1. Training (verbal and in writing) to ALL employees who will be working when the temperature is predicted to be over 80 degrees
2. Implementation the supervisor is to follow and provisions in this section
3. Procedures to follow when an employee exhibits symptoms consistent with possible heat illness, including emergency response procedures.

HISTORY

1. New section filed 8-22-2005 as an emergency; operative 8-22-2005 (Register 2005, No. 34). A Certificate of Compliance must be transmitted to OAL by 12-20-2005 or emergency language will be repealed by operation of law on the following day.

2. New section refiled 12-20-2005 as an emergency; operative 12-20-2005 (Register 2005, No. 51). A Certificate of Compliance must be transmitted to OAL by 4-19-2006 or emergency language will be repealed by operation of law on the following day.

3. New section refiled 4-19-2006 as an emergency; operative 4-19-2006 (Register 2006, No. 16). A Certificate of Compliance must be transmitted to OAL by 8-17-2006 or emergency language will be repealed by operation of law on the following day.

4. Certificate of Compliance as to 4-19-2006 order, including amendment of section heading and section, transmitted to OAL 6-16-2006 and filed 7-27-2006 (Register 2006, No. 30).

5. Amendment filed 10-5-2010; operative 11-4-2010 (Register 2010, No. 41).

UPDATE: COVID-19 Prevention – Non-Emergency Regulation
What Employers Need to Know

January 9, 2024

On January 9, 2024, the California Department of Public Health updated its COVID-19 Isolation Guidance, COVID-19 Testing Guidance, and State Public Health Officer Order. These changes impact Cal/OSHA's COVID-19 Prevention Non-Emergency Standards, in particular with respect to isolation of COVID-19 cases and testing of close contacts. Cal/OSHA's regulations took effect on February 3, 2023, and will remain in effect for two years after the effective date, except for the recordkeeping subsections that will remain in effect for three years.

Note: These regulations apply to most workers in California who are not covered by the **Aerosol Transmissible Diseases standard**.

Important changes to definitions

- "Infectious period" for the purpose of cases the Cal/OSHA COVID-19 Prevention Non-Emergency Standards, is now defined as:
  - For COVID-19 cases with symptoms, it is a minimum of 24 hours from the day of symptom onset:
    - COVID-19 cases may return if 24 hours have passed with no fever, without the use of fever-reducing medications, AND
    - Their symptoms are mild and improving.
  - For COVID-19 cases with no symptoms, there is no infectious period for the purpose of isolation or exclusion. If symptoms develop, the criteria above will apply.

Note on changes to testing recommendations

- CDPH no longer recommends testing for all close contacts and instead recommends testing only for:
  - All people with new COVID-19 symptoms.
  - Close contacts who are at higher risk of severe disease or who have contact with people who are at higher risk of severe disease.
- Regardless of CDPH recommendations, employers must continue to make COVID-19 testing available at no cost and during paid time to all employees with a close contact, except for asymptomatic employees who recently recovered from COVID-19.
- In workplace outbreaks or major outbreaks the COVID-19 Prevention regulations still require testing of all close contacts in outbreaks, and everyone in the exposed group in major outbreaks. Employees who refuse to test and have symptoms must be excluded for at least 24 hours from symptom onset, and can return to work only when they have been fever-free for at least 24 hours without the use of fever-reducing medications, and symptoms are mild and improving.

(Continued on next page)

Important requirements in the COVID-19 Prevention regulations that remain the same:

- Employers must address COVID-19 as a workplace hazard under the requirements found in **section 3203 (Injury and Illness Prevention Program, IIPP)**, and include their COVID-19 procedures to prevent this health hazard in their written IIPP or in a separate document.
- Employers must provide face coverings and ensure they are worn by employees when CDPH requires their use.
    - COVID cases who return to work must wear a face covering indoors for 10 days from the start of symptoms or if the person did not have COVID-19 symptoms, 10 days from the date of their first positive COVID-19 test.

      Note: Employees still have the right to wear face coverings at work and to request and receive respirators from the employer when working indoors and during outbreaks.
- Employers must report information about employee deaths, serious injuries, and serious occupational illnesses to Cal/OSHA, consistent with existing regulations.
- Employers must notify all employees, independent contractors, and employers with an employee who had close contact with a COVID-19 case.
- Employers must exclude COVID-19 cases during the infectious period from the workplace.
- Employers must review CDPH and Cal/OSHA guidance regarding ventilation, including **CDPH and Cal/OSHA Interim Guidance for Ventilation, Filtration, and Air Quality in Indoor Environments**. Employers must also develop, implement, and maintain effective methods to prevent COVID-19 transmission by improving ventilation.

This guidance is an overview, for full requirements see Title 8 sections **3205**, **3205.1**, **3205.2**, and **3205.3**



or assistance with developing a COVID-19 Prevention Program, employers may contact Cal/OSHA Consultation Services at 1 800 963 9424 or **InfoCons@dir.ca.gov**
For Consultation information or publications, access the following link or copy the site address: **www.dir.ca.gov/dosh/consultation.html**
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Section 10: Recordkeeping

The Alten Construction Safety Manager will maintain records in the following manner:

- Workplace evaluations and inspections will be documented on the Inspection Forms and maintained for twelve months
- Incidents will be documented on Incident Report Forms and Supervisor's Incident Investigation Forms and maintained for five years
- Safety training will be documented and maintained by for at least one year after the termination of employment

For the purpose of displaying a tracking history of occupational safety and health programs and activities, all documents are maintained for a minimum of one year plus the current year, unless otherwise stated.

For example, at the end of each year, the prior year's documents are removed from the files. During the next year, current year documents are maintained along with the just-past year's documents.

1. Specific records are maintained for each of the topics within the IIPP to include, but not be limited to:
    a. Employee Recognition and Correction
    b. Safety Meetings and Other Safety Communication

        Form – *Employee Meeting & Training Report Form*

    c. Safety Suggestions and Hazard Reporting

        Form – *Identified Problem Report Form*

    d. Hazard Identification and Correction

        Form – *Safety Inspection Form/Action Plan*

    e. Occupational Injury & Illness Investigations

        Form – *Investigation Report*

    f. Safety Meetings and Training

        Form – *New Employee Safety Orientation Checklist* – for each individual employee; filed in personnel file

        Form – *Employee Meeting & Training Report Form* – for each meeting and/or training session

        Form – *Record of Training Form* – record of all training received by each employee

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g. Receipt of IIPP and GCSP

Form -*Acknowledgement of Receipt of the Injury & Illness Prevention*

Form -*Acknowledgement of Receipt of the General Code of Safe Practices (GCSP}*

Review and Revision:

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Bob Giraudo
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Bob Giraudo:

4/28/2020 | 4:56 PM PDT
Date:

DocuSigned by:
Jackie Torres
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Jackie Torres

4/29/2020 | 8:41 AM PDT
Date:

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Attachment 1: Alten Construction Inc. Managers Statement of Support

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Company Policy Letter

Safety and Health Policy For Alten Construction Inc.

The purpose of this policy is to develop a high standard of safety throughout all operations of ***Alten Construction Inc.***

We believe that the success of the company depends on our employees and that each employee has the right to derive personal satisfaction from his/her job and the prevention of occupational injury or illness is of such consequence to this belief that it will be given top priority at all times.

It is our intention here at ***Alten Construction Inc.*** to initiate and maintain complete accident prevention and safety training programs. Each individual from top management to the working person is responsible for the safety and health of those persons in their charge and coworkers around them. By accepting mutual responsibility to operate safely, we will all being of our personnel and the continued success of the company.

DocuSigned by:
Bob Alten

(Bob Alten, President)

Attachment 1: Alten Construction Inc. Managers Statement of Support

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Attachment 2: Employee Meeting and Training Reports

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Alten Construction Inc.

Safety Training Attendance Record

Department:_____

Topic of Training Session:_____

(attach a copy of the training session curriculum)

Instructor(s)	Location	Date	Time	Length

We are legally required to maintain records regarding our safety training activities. Please assist us by providing the information indicated below to document your attendance. Thank you.

Name *(Please Print)*	Department	Campus Phone	Employee I.D. (if available)	Official Payroll Title	Signature
1.					
2.					
3.					
4.					
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6.					
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10.					
11.					
12.					
13.					

IIPP - Form 6 Completed copies of this form must be kept in the department files for at least one year.

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Alten Construction Inc. Injury & Illness Prevention Program

New Employee Safety Training Record

Department:

Instructor/Supervisor:

This completed form should be retained in the individual's personnel file as evidence of initial training required under the Injury and Illness Prevention Program.

Employee Name:

Please Print)

o New Hire o Transfer o Other:

Date of Hire / New Assignment:

I, , hereby certify that this employee has

(Instructor)

been trained on the following: (Check appropriate boxes.)

I. ☐ Initial Training on Department's IIPP, Including: Date:

- My right to ask any question, or report any safety hazards, either directly or anonymously without any fear of reprisal.
- The location of departmental safety bulletins and required safety postings (i.e., summary of occupational injuries and illnesses, and Safety and Health Protection Poster).
- Disciplinary procedures that may be used to ensure compliance with safe work practices.
- Reporting safetyconcerns.
- Accessing the department safety committee.
- Reporting occupational injuries and illnesses.

II. ☐ Hazard CommunicationTraining Date:

- The potential occupational hazards in the work area associated with my job assignment.
- The safe work practices and personal protective equipment required for my job title.
- The location and availability of Safety Data Sheets (SDS).
- The hazards of any chemicals to which I may be exposed, and my right to the information contained on (SDS) for those chemicals.

III. ☐ Building Emergency Plan(BEP) Date:

- Emergency escape routes and procedures and Emergency Assembly Area (EAA)
- How to report a fire and other emergencies
- Names or regular job titles of persons to be contacted for further information.

III. Other_____ Date:	
Employee Signature: Date:	
IIPP - Form 7	Completed copies of this form must be kept in Department files for at least one year.

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Alten Construction Inc. Injury & Illness Prevention Program

Safety Meeting Report

DATE:_____ TIME:_____ DEPARTMENT:_____

Meeting Location:_____Length of Meeting (minutes):_____

Meeting Leader/Title: _____

(Signature):_____

TOPICS DISCUSSED (attach or identify all documents provided and discussed)

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EMPLOYEES IN ATTENDANCE	
PRINT NAME	**SIGNATURE**
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Attachment 3: Report of Unsafe Condition or Hazard

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All accidents or near misses should be investigated to determine the TRUE cause of it so that corrective action/measures may be implemented to prevent a reoccurrence.

Serious Accidents

If an employee of our company or that of a sub-contractor is involved in a serious accident or a major loss of equipment or property occurs, the Project Safety Professional and/or the Project Manager/Superintendent shall notify by phone designated personnel and affected organizations so that an investigation can be initiated. The procedures described in this section shall be followed.

Reporting Serious Accidents

Upon learning of a serious or fatal accident on the project, notification must be made immediately to the Main Office, Personnel Department.

Investigating Serious Accidents

An investigation shall be conducted as soon as possible after the accident. The investigation must be **FACT-FINDING**, not fault finding. Members of the investigation team should include the Project Manager/Superintendent or his designee, and the employee's foreman. The Project Safety Professional should also participate.

The purpose of the investigation is to learn the true cause so that similar accidents can be prevented, and to determine FACTS bearing on legal liability.

A description of the operation being performed at the time of the accident is essential. All personnel assigned to the operation and all witnesses to the accident shall be interviewed and statements taken.

A private place such as an enclosed office or conference room should be used for these discussions. If the Workmen's Compensation insurance adjuster is present, the Safety Professional and the adjuster may interview the employee jointly.

The interviewer(s) must obtain first-hand facts, and not hearsay. The information obtained must be recorded and signed by each person involved. The Supervisors Accident Report form is in this section. The Date & Time of the accident and interview, names, addresses, occupations of victim (if known), co-workers and/or witnesses.

Attachment 3: Report of Unsafe Condition or Hazard

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Report of Unsafe Condition or Hazard

Optional (Employees may submit this form anonymously):

Employee's Name:_____ Job Title:_____

Location of Condition Believed to Be Unsafe or

Hazardous:_____

_____

Date and Time Condition or Hazard Observed:_____

Description (and photos) of Unsafe Condition or
Hazard:_____

_____

_____

What Changes Would You Recommend to Correct the Condition or
Hazard?_____

_____

_____

_____

Optional:

Employee's Signature:_____ Date:_____

ALTEN CONSTRUCTION Inc. RESPONSE

Name of PersonInvestigating Report:_____

Results ofInvestigation:

What was found? Was condition unsafe or a hazard? Attach additional sheets if necessary:

_____

_____

_____

_____

Action taken to correct Hazard or Unsafe Condition if appropriate (or, alternatively, information provided to employees as to why Condition was NOT unsafe or hazardous). Attach additional sheets if necessary:

_____

_____

Person Investigating Report:

Print Name_____Signature_____

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Attachment 4: Workplace Inspection Forms

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SAFETY INSPECTION REPORT **ALTEN CONSTRUCTION, INC**

JOB NO._____ JOB NAME_____ Date_____

PROJECT MANAGER_____ SUPERINTENDENT_____

PERSON MAKING INSPECTION Bob Girado

Subcontractors Onsite (list name and trade)

Name	Trade	Name	Trade

COLUMN **A**=Adequate at time of inspection **B**=Needs Consideration **C**=Needs Immediate Attention **N/A**=Not applicable

	A	B	C	N/A	Corrective Action Taken
1. Project Information					
OSHA 200 forms available, complete and posted Feb thru Apr?					
OSHA poster(s) posted?					
Emergency phone #'s posted for nearest medical center, fire, police, hospitals, etc posted? Map/directions to clinic?					
Safety "Toolbox" meetings up to date?					
Subcontractor Safety Programs & Haz-Com Programs received and reviewed?					
Material Safety Data Sheets (MSDS) in binder, with index and up to date?					
Adequate First Aid Kit(s) & Supplies on site?					
Emergency Action Plan in place, evacuation plan, stretcher?					
Certified CPR/First Aid person on site?					
Work areas properly signed & barricaded?					
2. Housekeeping					
Material Storage and Staging neat & not a Hazard?					
General neatness of work area?					
Projecting nails removed or bent over?					
Waste containers provided and used?					
Passageways, walkways, stairs, and floor clear?					
Adequate ventilation in work areas?					
Adequate lighting in work areas?					
Electrical cords and welding leads off of the floor					
3. Fire Prevention					
Flammable liquid containers properly labeled?					
Storage tanks properly vented?					
Flammable/combustible material spills cleaned up immediately?					
Flammable storage tanks grounded/bonded?					
Propane/Butane tanks properly barricaded and installed?					
Temporary heating devices installed properly & checked periodically?					
Adequate clearance to combustible materials?					
Approved safety cans used?					
Adequate fire extinguishers, checked and accessible?					
Phone # of Fire Department posted?					
"No Smoking" posted and enforced near flammables?					

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	A	B	C	N/A	Corrective Action Taken
4. Electrical					
Laser warning signs posted?					
Electrical rooms/panels properly secured & labeled when energized?					
Extension cords with bare wires or missing ground prongs taken out of service?					
Lockout/Tagout procedures used when needed?					
Lockout Kit onsite?					
Ground fault circuit interrupters being used?					
Terminal boxes equipped with required covers?					
5. Hand, Power & Powder Actuated Tools					
Tools inspected periodically for defects and taken out of service?					
Hand tools inspected regularly?					
Guards in place on grinders and tools?					
Right tool being used for job at hand?					
Operators of powder actuated tools are licensed?					
6. Fall Protection					
Floor hole(s), window opening(s) & exposed edges are protected?					
Guardrails & cables are in place/secured properly?					
Employees have safety harness and use correctly?					
Employees exposed to a 6 foot fall hazard are tied off?					
If using a Fall Protection Plan for leading edge work, is it being followed properly? (safety monitor authorized workers)					
Employees below protected from falling objects?					
7. Ladders					
Adequate number of access/egress ladders for the number of personnel on a high rise project?					
Ladders extend at least 36" above the landing?					
Ladders are secured to prevent slipping, sliding or falling?					
Ladders with split or missing rungs taken out of service?					
Job built ladders built adequately and checked for defects?					
Stepladders used in fully open position?					
No employees stepping on the top 2 rungs of stepladder?					
8. Scaffolding					
All scaffolding inspected daily?					
Erected on sound rigid footing and base plates used?					
Tied to structure as required?					
Guardrails, intermediate rails, toe-boards and screens in place?					
Platform fully decked and planking is sound and sturdy?					
Platforms solidly, fully planked over?					
Supports plumb, adequate cross braces provided?					
Planking is scaffold grade lumber of at lease 1,500 fsg?					
Planking is solid, sturdy & secured from being dislodged?					
Wheels on rolling towers are locked when being used?					
Proper access ladder provided?					
Employees below protected from falling objects?					
Mud sills being used under base plates on soft soil?					

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	A	B	C	N/A	Corrective Action Taken
9. Floor & Wall Openings					
All floor or deck holes are covered or barricaded & marked?					
Perimeter protection is in place?					
Hole or deck covers are secured?					
Materials stored away from edge?					
10. Trenches, Excavation & Shoring?					
Competent person inspected trench daily and on hand?					
Excavations are shored, benched or sloped back?					
Materials/spoil pile(s) are stored at least 2 feet from trench?					
Ladders provided every 25 feet in trench?					
Excavations over 20 feet in depth have engineer approval?					
Equipment is a safe distance from edge of trench or excavation?					
Walkways over trenches adequate and secure?					
Trench barricaded or secured?					
Shoring and sheeting as needed for soil classification and depth?					
11. Material Handling					
Materials are properly stored or stacked?					
Employees are using proper lifting methods?					
Tag lines are used to guide loads?					
Proper number of workers for each operation?					
12. Welding & Burning					
Gas cylinders stored upright?					
Proper 20 foot separating distance between fuels & oxygen?					
Shielding utilized to protect passerby's from flash burns?					
Welders wearing protective leather gear to prevent burns?					
Burning/welding goggles or shields are used?					
Fire extinguishers are nearby?					
Hoses are in good condition?					
Welding gas cylinders capped when not in use?					
Carts provided for moving cylinders?					
Appropriate safeguards against hazards caused by welding, cutting or heating?					
13. Equipment					
Operated only by Authorized/Certified Personnel?					
Inspected by operator before use?					
Fluids Checked?					
Greased every 8 hours of operation?					
All Safety equipment in place and operational?					
Any subcontractor using Alten Equipment have signed "Use Agreement" on file?					
All manuals, load charts and decals are legible and in proper position					
Weight limits are obeyed at ALL times?					
Proper warm up and shut down procedures are followed?					
No loose materials or tools in cab?					
Equipment operated at safe speed at all times?					
Steps and handles mounted solid and in proper position?					
Backup alarms operational ?					

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	A	B	C	N/A	Corrective Action Taken
14. Concrete Construction					
All trucks equipped with back up alarms?					
Respiratory Protection Program in-place and followed?					
Employees are protected from cement dust?					
Employees wearing eye protection?					
Exposed skin covered?					
Pump truck setup level, properly and clear of powerlines?					
All reinforcing steel protected by approved caps or troughs?					
Runways are adequate?					
15. Personal Protective Equipment					
Dust control measures in place on the project?					
Adequate footwear being worn?					
Indoor air quality checked?					
Effective air pollution controlled?					
Hard hats are being worn?					
Safety glasses are being worn?					
Respirators are used when required?					
Hearing Protection being worn when required?					
Life jackets, safety harness, lifelines & lanyards being used when required?					
Traffic vests being worn when required?					
16. Unsafe Acts or Practices Observed (List)					

Additional comments_____

Signature:_____ Date: _____

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Attachment 5: Supervisor's Report of Accident/Incident/Injury

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Alten Construction Inc.

Employee's Report of Injury Form

Instructions: Employees shall use this form to report all work related injuries, illnesses, or "near miss" events (which could have caused an injury or illness) – *no matter how minor*. This helps us to identify and correct hazards before they cause serious injuries. This form shall be completed by employees as soon as possible and given to a supervisor for further action.

I am reporting a work related: ❑ Injury ❑ Illness ❑ Equipment/Property Damage ❑ Near miss	
Your Name:	
Job title:	
Supervisor:	
Have you told your supervisor about this injury/near miss? ❑ Yes ❑ No	
Date of injury/near miss:	Time of injury/near miss:
Names of witnesses (if any):	
Where, exactly, did it happen?	
What were you doing at the time?	
Describe step by step what led up to the injury/near miss. (continue on the back if necessary):	
What could have been done to prevent this injury/near miss?	
What parts of your body were injured? If a near miss, how could you have been hurt?	
Did you see a doctor about this injury/illness? ❑ Yes ❑ No	
If yes, whom did you see?	Doctor's phone number:
Date:	Time:
Has this part of your body been injured before? ❑ Yes ❑ No	
If yes, when?	Supervisor:

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Alten Construction Inc.

Your signature:	Date:

Supervisor's Accident Investigation Form

Name of Injured Person _____

Date of Birth_____ Telephone Number _____

Address _____

City_____ State_____ Zip _____

(Circle one) Male Female

What part of the body was injured? Describe in detail. _____

_____

What was the nature of the injury? Describe in detail. _____

_____

_____

Describe fully how the accident happened? What was employee doing prior to the event? What equipment, tools beingusing? _____

_____

_____

Names of all witnesses:

_____ _____

_____ _____

Date of Event_____ Time of Event _____

Exact location of event: _____

What caused the event? _____

_____

_____

Were safety regulations in place and used? If not, what was wrong? _____

_____

Employee went to doctor/hospital? Doctor's Name _____

Hospital Name _____

Recommended preventive action to take in the future to prevent reoccurrence.

_____

_____

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Alten Construction Inc.

Supervisor Signature _____ Date _____

Incident Investigation Report

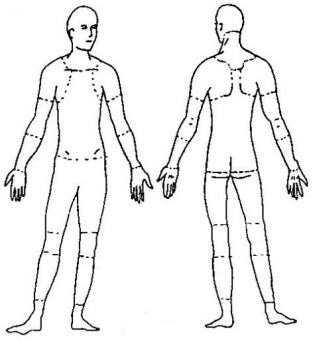
Instructions: Complete this form as soon as possible after an incident that results in serious injury or illness. (Optional: Use to investigate a minor injury or near miss that *could have resulted in a serious injury or illness*.)

This is a report of a: ❑ Death ❑ Lost Time ❑ Dr. Visit Only ❑ First Aid Only ❑ Near Miss	
Date of incident:	This report is made by: ❑ Employee ❑ Supervisor ❑ Team ❑ Other_____

Step 1: Injured employee (complete this part for each injured employee)

Name:	Sex: ❑ Male ❑ Female	Age:
Department:	Job title at time of incident:	

Part of body affected: (shade all that apply)



Nature of injury: (most serious one)
- ❑ Abrasion, scrapes
- ❑ Amputation
- ❑ Broken bone
- ❑ Bruise
- ❑ Burn (heat)
- ❑ Burn (chemical)
- ❑ Concussion (to the head)
- ❑ Crushing Injury
- ❑ Cut, laceration, puncture
- ❑ Hernia
- ❑ Illness
- ❑ Sprain, strain
- ❑ Damage to a body system:
- ❑ Other _____

This employee works:
- ❑ Regular full time
- ❑ Regular part time
- ❑ Seasonal
- ❑ Temporary

Months with this employer

Months doing this job:

Step 2: Describe the incident

Exact location of the incident:	Exact time:

What part of employee's workday? ❑ Entering or leaving work ❑ Doing normal work activities ❑ During meal period ❑ During break ❑ Working overtime ❑ Other_____

Alten Construction Inc.

Names of witnesses (if any):

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Alten Construction Inc.

Number of attachments:	Written witness statements:	Photographs:	Maps / drawings:

What personal protective equipment was being used (if any)?

Describe, step-by-step the events that led up to the injury. Include names of any machines, parts, objects, tools, materials and other important details.

Description continued on attached sheets: ❑

Step 3: Why did the incident happen?

Unsafe workplace conditions: (Check all that apply)
- ❑ Inadequate guard
- ❑ Unguarded hazard
- ❑ Safety device is defective
- ❑ Tool or equipment defective
- ❑ Workstation layout is hazardous
- ❑ Unsafe lighting
- ❑ Unsafe ventilation
- ❑ Lack of needed personal protective equipment
- ❑ Lack of appropriate equipment / tools
- ❑ Unsafe clothing
- ❑ No training or insufficient training
- ❑ Other: _____

Unsafe acts by people: (Check all that apply)
- ❑ Operating without permission
- ❑ Operating at unsafe speed
- ❑ Servicing equipment that has power to it
- ❑ Making a safety device inoperative
- ❑ Using defective equipment
- ❑ Using equipment in an unapproved way
- ❑ Unsafe lifting
- ❑ Taking an unsafe position or posture
- ❑ Distraction, teasing, horseplay
- ❑ Failure to wear personal protective equipment
- ❑ Failure to use the available equipment / tools
- ❑ Other: _____

Why did the unsafe conditions exist?

Why did the unsafe acts occur?

Is there a reward (such as “the job can be done more quickly”, or “the product is less likely to be damaged”) that may have encouraged the unsafe conditions or acts? ❑ Yes ❑ No
If yes, describe:

Were the unsafe acts or conditions reported prior to the incident? ❑ Yes ❑ No

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Have there been similar incidents or near misses prior to this one? ❑ Yes ❑ No

Step 4: How can future incidents be prevented?

What changes do you suggest to prevent this incident/near miss from happening again?

❑ Stop this activity ❑ Guard the hazard ❑ Train the employee(s) ❑ Train the supervisor(s)

❑ Redesign task steps ❑ Redesign work station ❑ Write a new policy/rule ❑ Enforce existing policy

❑ Routinely inspect for the hazard ❑ Personal Protective Equipment ❑ Other: _____

What should be (or has been) done to carry out the suggestion(s) checked above?

Description continued on attached sheets: ❑

Step 5: Who completed and reviewed this form? (Please Print)

Written by: Department:	Title: Date:
Names of investigation team members:	
Reviewed by:	Title: Date:

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Attachment 6: Emergency Action Plan (EAP)

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Alten Construction Inc.

Emergency Action Plan (EAP)

ALTEN CONSTRUCTION INC has developed the following Emergency Action Plan (EAP), in compliance with Title 8 of the California Code of Regulations, General Industry and Construction Safety orders.

The EAP has been designed to address, in detail, the following areas:

- Program Implementation and Responsible Person
- Supervisor's Responsibilities
- Emergency Posting Notice
- 1st Aid / Emergency Medical Services
- Alarm System
- Designated Employees – Training Procedures
- Employee Notification and Training
- Emergency Escape and Evacuation Procedures
- Multi-Employer Job Site Exposures
- Crisis Response Procedures

1. Program Implementation and Responsible Person

SAFETY MANAGER has been assigned as the responsible individual for the maintenance and implementation of the Emergency Action Plan (EAP) for **ALTEN CONSTRUCTION INC**.

THE SAFETY MANAGER is responsible for the following functions:

- ❑ Identify, evaluate and establish procedures for potential emergencies that may require special action
- ❑ Perform periodic emergency training/exercises, as appropriate
- ❑ Maintain a sufficient inventory of emergency equipment and 1st Aid supplies to support the requirements of theEAP
- ❑ Coordinate implementation and maintenance of the EAP with Supervisors
- ❑ Coordinate 1st Aid Training, and other applicable training, for all Supervisors and designated employees
- ❑ Provide safety material to Supervisors to assist with employee training requirements
- ❑ Confirm employee notification and training is enforced
- ❑ Maintain all documentation relevant to the following:
- ❑ Development and implementation of the EAP
- ❑ Changes implemented in accordance with regulatory requirements, and in response to changing needs within the company
- ❑ Employeetraining
- ❑ Emergency equipment inventory

2. Supervisor's Responsibilities

Supervisors are responsible for maintaining compliance with the Emergency Action Plan, and establishing procedures that are site specific. A copy of this program and training is provided to each supervisor.

At specific job sites, Supervisors will be responsible for the following functions:

- Identify and document appropriate evacuation routes and safe location for employees to assemble (This may be coordinated with all the Subcontractors where appropriate.)
- Designation of employee(s) to assist with Crisis Response and Emergency Evacuation procedures (assignment of specific tasks)
- Provide notification and training to employees
- Coordinate continued enforcement of the EAP with Safety Manager
- Monitor inventory of 1st Aid Kit contents at job sites
- Maintain 1st Aid/CPR training certificate

3. EmergencyPosting Notice

A posting notice will be displayed at all job sites, which will identify the following:

- Identity of the Site Manager and After Hours Contact Information (optional)
- Name, address and directions to job site (optional)
- Fire & Rescue – Phone Number
- Police Department – Phone Number
- Ambulance – Phone Number
- Nearest Hospital – Phone Number
- Nearest Cal/OSHA Office – Phone Number,
- Map of job site that identifies the location of the area to assemble in the event of an emergency requiringevacuation

4. Alarm System

In the event of an emergency requiring evacuation of all employees, the following alarm system will be used:

The Site Supervisor will select an alarm appropriate for the jobsite (bell, airhorn etc.) This will be a part of the site specific Emergency Action Plan

If there is not an automatic alarm, the Supervisor, or designated employee, will be responsible for sounding the alarm and locating any hearing-impaired employees to ensure proper evacuation.

5. Designated Employees – Training Procedures

THE SITE SUPERVISOR will be responsible for coordination of the EAP and assignment of tasks to designated employee(s) that will assist with emergency procedures.

Designated employees will be provided with the proper training to assist with the following functions:

- 1st Aid / Emergency Medical Services
- Fire Suppression
- Crisis Response Procedures
- Evacuation Procedures

No employee will be permitted to perform any action that might endanger his/her life or the life of others.

6. Employee Notification and Training

All employees, permanent and intermittent, to include managers and supervisors will be provided necessary training on all elements of the EAP. Employee notification and training will occur when:

- Work begins at a new job site
- An employee is transferred to a new job site
- Training as part of regular site safety meetings
- When Site Specific section is updated

- The following documentation will be used to ensure compliance with notification requirements:
  - Emergency Posting Notices will be displayed at all job sites and facilities
  - The Safety Meeting Sign in sheet will be used to document employee notification and training when beginning work at a new job site
- Employee notification and training relevant to the EAP will consist of:
  - Employees right to review the EAP policy
  - Location of Emergency Posting Notice (Safety Bulletin Board)
  - Procedures implemented for Crisis Response
  - Identity of the Alarm System (sound) that will be used to trigger an evacuation
  - Location of exit routes and designated location for employee to assemble
  - 1st Aid and Emergency Medical Services available to employees
  - Procedures to be followed by employees who remain to operate critical Jobsite operations before they evacuate (if applicable, these procedures must be outlined. Create a section, entitled *"Critical Jobsite Operations"* and list out the specific procedures for your operations)

7. Emergency Escape and Evacuation Procedures

Supervisors will be responsible for evaluating new job sites in order to identify emergency evacuation routes and a safe location for employees to assemble. This information will be documented in the Site specific update and posted on the safety bulletin board. *(This may also be coordinated with the Subcontractors onsite).*

Identified exit routes will be checked periodically to ensure they remain unobstructed.

The following tasks will be carried out in the event of an emergency requiring evacuation:

- The Supervisor, or designated employee, will sound the evacuation alarm.
- The Supervisor will instruct a designated employee to contact the necessary emergency facilities and Management, **and** proceed to the identified assembly area to perform the necessary head-count
- The Supervisor and designated employee(s) will be responsible for making sure the job site / structure is clear of all employees that have not been assigned with specific duties to assist with theevacuation
- Employees must proceed directly to the designated assembly area

- Employees are not to stop and pick up personal belongings when exiting the job site/structure
- Employees are not to block areas that would be considered access for emergency vehicles
- Employees will not be allowed to re-enter the job site/structure until they are authorized by the site supervisor or the designated person.
- The site supervisor or Designated person may not authorize re-entry to the site until they have received an All Clear from emergency responders
- Employees cannot leave the job site (assembly area) accounted for and released by a designated employee or Supervisor
- Employees will be instructed not to respond to news media. Contact with the media is limited to designated Supervisors or Management

The most important focus of an emergency is the protection of human life.

8. Multi-Employer Job Site Exposures

Supervisors will be responsible for ensuring that all other contractors/employers, which have a contractual obligation to **Alten Construction Inc.**, are in compliance with Cal/OSHA requirements and that employees are notified of procedures implemented to respond to emergency situations.

9. Crisis Response Procedures

Specific Crisis Response procedures have been developed for emergency situations that may arise.

10. Fire and Explosion

All employees will be trained on how to properly use fire suppression equipment and instructed on the following:

- Any employee discovering a fire should quickly and carefully remove any person who is injured or in immediate danger, unless doing so will create the possibility of personal injury
- Employees in the immediate vicinity of the fire, as well as those in surrounding areas, who may be threatened by the fire, must be notified of the existence of the fire
- If the area or material involved in the fire is small, only properly trained employees may attempt to extinguish the fire using approved fire suppression equipment only. The Supervisor or designated employee must be notified of the occurrence immediately
- If the fire appears to be too large, involves toxic substances, or is electrical based, employees are to leave the area immediately and notify the Supervisor or designated employee

When the fire cannot be extinguished using a portable fire extinguisher:

- The Supervisor or designated employee will initiate the evacuation procedures
- The fire will be reported to the appropriate agency(s)
- The emergency evacuation alarm will be sounded
- Without creating exposure to personal injury, attempts should be made to contain the fire, by properly trained and designated employees only (i.e. closing doors and windows in the immediate vicinity and removing any flammable materials)

11. Rescue and Medical

Employees shall report any emergency or injuries to a supervisor or manager.

First Aid kits are kept in the following locations:

(To be list in the site specific Section of the EAP)

If emergency medical help or an ambulance is necessary activate the following procedures:

- Call 9-1-1 or local dispatch (fire department or police/sheriff)
  a. Give the nature of the emergency (i.e. fire, medical, etc.)
  b. Give the address of the emergency include cross street if available
  c. If the operator asks you to stay on the line, do so.
- Designate an employee to stand out by the driveway/entrance of the building or jobsite to direct emergency responders.
- Stay out of the way of emergency responders unless you are specifically requested to assist in somemanner.

Management will contact the relatives of injured employees.

12. Earthquake

All employees will be instructed to:

- Remain Calm
- Move away from windows, temporary walls, partitions, freestanding and heavy objects
- Duck or drop down to the floor
- Attempt to take cover under fixed objects, or interior framing, that may provide safety from fallingobjects
- Avoid being near any electrical units, flammable or combustible materials
- **STAY PUT** until the ground / structure stops shaking and it is safe to move, **DO NOT** leave the building

After the Earthquake:

- The Supervisor or designated employee will initiate the evacuation procedures
- When it is believed to be safe, if appropriate, the Supervisor and designated employee(s) will search the area for injured persons and assess the structure for damages that may create additional hazards
- Report any missing or injured persons to Supervisors
- Do not drink water out of the tap due to potential contamination
- Do not smoke, light a fire, or use electrical equipment due to potential gas leaks

13. NaturalDisasters

Including, but not limited to, Floods, Tornadoes, and Severe Thunderstorms

Most natural disasters are usually forecast sufficiently in advance for emergency action to be initiated before the exposure becomes serious.

In most cases, advising employees of the approaching danger and seeing to it that they are in a safe location will be sufficient, should the incident occur during normal working hours.

14. Chemical Leak, Spill or Threatened Release

The following procedures will be carried out in the event of a hazardous substance spill:

All employees will be instructed to:

- Notify the Supervisor immediately
- All employees, not trained to deal with the exposure, will be instructed to leave the immediate area

The Supervisor and/or designated employee(s) will:

- Determine the nature and source of the spill/release. SDS will be used to determine the characteristics of the material and identify necessary precautions for dealing with the material
- Depending on the classification and amount of the spill, if warranted, the local fire department and appropriate local environmental agency will be notified
- Clean-up procedures will be performed by qualified personnel

15. Bomb Threat

If a bomb threat is received, the following procedures will be carried out:

All employees will be instructed to:

- Notify the Supervisor immediately

The Supervisor and/or designated employee(s) will:

- Notify the Police and Fire Department
- The emergency evacuation procedure will be initiated, unless the threat includes instructions not to do so (proper law/emergency enforcement agencies should determine proper course of action in this situation)
- The individual who received the threat should be instructed to document every word of the conversation immediately, if applicable
- A search of the building will be performed by the appropriate law enforcement personnel only
- Access to the building/job site will not be permitted until clearance is given by the appropriate personnel (i.e., police, fire department)

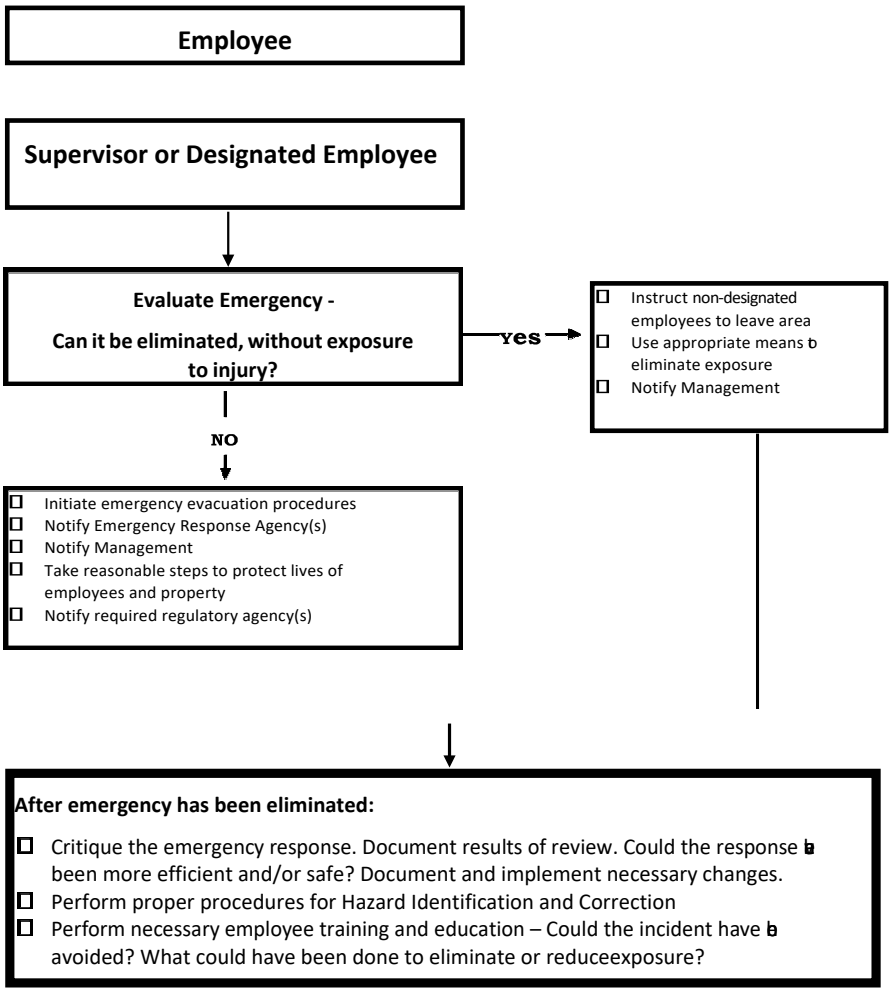
16. CivilDisturbance

Civil disorders, usually in the form of large unruly crowds, can interfere with business operations and could cause damage to property and employees.

The Supervisor or designated employee will notify the appropriate authorities for assistance. Steps will be taken to assure the safety of all employees, business property and equipment, without creating exposure to personal injury.

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17. Notification and Procedure Flowchart



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Alten Construction Inc.

Emergency Action Plan Training #1

Emergency Response / Evacuation

Date revised: Jobsite#

OSHA requires an Emergency Action Plan for all Jobsites and requires employees to be trained to implement that plan. This Safety meeting is intended to train and update employees on the procedures that are in place on the _____ jobsite.

Employees are encouraged to ask they're supervisor if they have any questions regarding this or any part of the Alten Construction Inc. Injury, Illness Prevention Plan. A copy of the IIPP is available to be read at this site _____

In the event that an emergency response is required for fire, medical emergency, chemical spill etc. Emergency Phone information is posted _____ or dial 911
Give the complete address including cross street and any other information requested by the operator. A person or persons should be posted to guide Emergency responders safely to where they are needed.

In any situation where Evacuation of the site is required, a designated alarm will sound. The designated evacuation alarm for this site is _____. In the event an evacuation is required EVERYONE will turn off any equipment they are using and leave the site immediately via the nearest exit. Do not stop to grab tools or other items. Move immediately to the designated assembly area. The designated assembly area for this jobsite
is _____.

Everyone MUST remain at the assembly area until they are accounted for and released to either return to work or leave the site by the superintendent or designated person. It is critical that NO ONE leaves the site without being accounted for and released.to prevent emergency responder's form being put in harm's way looking for someone who has already evacuated. For this reason anyone leaving the assembly area before being released is subject to disciplinary action including termination.

The site superintendent will designate a person or persons to implement the Emergency Action Plan in the event the superintendent is not onsite or otherwise unable to perform these duties. Designated persons will be trained on the Emergency Action Plan for this site, and the locations of emergency contacts, employee and subcontractor listsetc.
Designated persons for this site _____ _____

Retraining will be done for new employee's onsite or anytime site conditions cause the above site specific information to be changed.

It is important that everyone onsite understands and follows Alten Construction's Emergency Action Plan in order to respond better and reduce the potential for injuries during any emergency.

Revised _____

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Alten Construction Inc.

Emergency Action Plan Training #2

Crisis Response Procedures

Fire and Explosion

- Any person discovering a fire should quickly and carefully remove any person who is injured or in immediate danger, unless doing so would create the possibility of personal injury.
- Warn any persons who may be threatened by the fire.
- If the fire is small only trained employees may attempt to extinguish the fire using approved equipment only. The superintendent or Designated person must be notified immediately of the incident.
- If the fire is large or involves electricity or toxic substances, employees are to leave the area immediately and notify the Superintendent or Designated employee.
- Superintendent or Designated person will initiate Evacuation procedures and notify the Fire Dept.

In Case of Earthquake

- Stay calm, do not try to leave the building. Shelter in place until the shaking stops.
- Stay low and try to take cover near interior framing or other fixed objects. Stay away from temporary walls, partitions etc.
- Stay away from flammables and or electrical sources.

When the shaking stops

- Report any missing or injured persons to the Superintendent or Designated person
- Do not use electricity or flame and No smoking due to possible gas leaks.
- Do not drink tap water due to possible contamination.
- If it is warranted the superintendent or Designated person will initiate evacuation procedures. Everyone should follow procedure and exit to the designated assembly area and remain there until they are accounted for and released.
- Do not re-enter the site until the Superintendent has given the All Clear

Rescue and Medical

- If 1st Aid is need 1st aid Kits are located _____
- Employees shall report any and ALL emergencies or injuries to they're supervisor or manager immediately.
- If Emergency responders are needed call the local dispatch (police / fire) using the onsite postings or dial 911. Give the operator the type of emergency and the address including cross street. If the operator requests other information or ask you to remain on the line Please cooperate fully.
- Post an employee near the site entrance to guide responders safely to where they are needed.
- Employees are to stay out of the way of Emergency responders unless they are specifically asked to assist in some manner

Revised_____

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Alten Construction Inc.

Emergency Action Plan Training #3

Crisis Response Procedures

The following procedures will be carried out in case of Chemical Leak, Spill or Threatened Release:

- Employees will notify the superintendent immediately.
- Employees who are not specifically trained to deal with the exposure must leave the area immediately.
- The Superintendent or Designated person will determine the source of the spill and using the SDS determine the precautions required for the material.
- If warranted the fire department and appropriate Environmental agency will be notified.
- Clean up will be conducted by qualified personnel.

Natural Disasters (Flood, Storms, Tornado, etc.)

- Most Natural disasters are forecasted sufficiently in advance for action to be taken before the threat occurs. Actions such as making sure employees are in a safe place are usually sufficient.

Civil Disturbance

- Civil Disorders, riots etc. can cause damage or injury to employees, equipment and property. In such cases the authorities will be notified immediately for assistance and steps will be taken to insure the safety of employees and property without creating exposure to personal injury.

Bomb Threat

- Notify The superintendent immediately
- Notify Police and Firedept.
- The Superintendent or Designated person should initiate the Emergency Evacuation procedure unless the threat specifically instructs them not to. In that case follow the instructions of the Law enforcementpersonnel.
- Search of the building will only be done by Law enforcement personnel.
- Employees may only return to site when clearance is received from law enforcement, Fire dept. or both

Revised_____

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Attachment 7: Forms

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Alten Construction Inc.

California Documentation of Training - IIPP

Project Name_____Location_____

Job #_____Name of Employee_____

Checklist of Topics to be discussed with employee:

Note: After each topic is discussed and fully understood by the employee, the employee should indicate his understanding by initialing in the space provided.

1. _____Explanation of the California Title 8 sections as detailed in the IIPP
2. _____Explanation of the "Code of Safe Work Practices" as outlined in the Construction Safety Handbook
3. General information regarding how to "minimize" job related illnesses and injuries
4. _____Identification of project Health and Safety hazards
5. _____Use of safety equipment needed to perform assigned duties
6. _____The method for timely reporting of project accidents, chemical spills and other hazards that may arise on the project.
7. _____The method for reporting health and safety hazards without fear of reprisal
8. _____Methods by which employee is informed orally or in writing regarding health and Safety hazards.
9. _____The identity and responsibilities of the person(s) on this project who will implement the Company IIPP.

I, the undersigned, have been fully trained and completely understand the topics discussed.

Employee Name_____

Employee Signature_____Date _____

Trainer or Representative Signature_____

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CODE OF SAFE WORK PRACTICES

As an employee, you are expected and required to participate in the IIPP program and follow the safety/job rules. You will be informed by your supervisor of any changes to the existing safety requirements

1. Be alert at all times and report any unsafe acts or conditions to your supervisor immediately.
2. Report every injury or property loss to your supervisor immediately, no matter how slight or minor.
3. Possession or use of drugs (other than prescription), and/or alcoholic beverages (of any kind), on a project is strictly prohibited. (If you are taking prescription drugs, inform your supervisor immediately when reporting to/for work.)
4. An employee **SHALL NOT** cause interference to/with another employee when that employee is performing their assigned duties.
5. Attend scheduled safety meetings conducted by your supervisor.
6. Appropriate clothing is to be worn at all times as prescribed by company policy. (Long trousers, shirts with a minimum of having short sleeves, appropriate construction type leather work shoes.)
7. Use personal Protective Equipment as directed or when it is required by the duty you are performing.
8. Fire protection equipment is not to be tampered with or removed from its assigned location.
9. Maintaining good housekeeping is mandatory for all employees.
10. Employees are to visually inspect all equipment prior to use for any defects. If equipment is found defective/unserviceable, it is to be immediately removed from service and put in for repairs.
11. All electrical power sources, tools and extension cords shall be free of defects and be properly grounded and protected by a Ground Fault Circuit Interrupter device.
12. Only authorized and properly instructed /trained employees shall operate machinery, equipment, tools and vehicles.
13. Powder Actuated Tools WILL NOT be used by non-licensed employees or without the proper Personal Protective Equipment.
14. Vehicles on the property are to be operated and driven a safe manner at all times. Only employees on the Alten Construction drivers list are authorized to operate any Company vehicle.
15. No employee, other than the operator, is to ride on any mobile equipment, (i.e. cranes, end loaders, backhoes, etc.) unless they are inside the cab in a designated seat and their presence does not hinder the operator's operation of the equipment. No employee is to ride on the exterior of a truck.
16. Ladder Safety shall be followed at all times, site specific information and training will be provided through weekly toolbox safety topics.

ENFORCEMENT of these safety/job rules by Company supervision shall be as follows:

1st violation – Warning notice issued with notation to personnel file

2nd violation – Three (3) days suspension from work without pay

3rd violation – Termination of employment.

I have read, fully understand and will comply with the basic safety/job rules and understand that violation of these rules may lead to my dismissal.

Date_____Project_____

Employee's Name_____Employee's signature_____

Company Representative_____

DISCIPLINARY ACTION POLICY

This disciplinary policy is established as a means to enforce the IIPP and other existing work rules.

When an employee commits an unsafe act or causes damage to property, the employee's Supervisor shall correct the employee and instruct him to refrain from such acts and instruct the employee in the proper/safe method in which to accomplish their work assignment. Disciplinary action shall be dispensed in the following manner:

A. Serious/intentional acts:

1. Written reprimand and/or suspension from work for a period of time without pay (normally three days);or
2. Termination of employment
3. Disciplinary action is at the discretion of the Management.

B Non serious/unintentuional acts;

1. **FIRST OFFENSE** Employee is to be given a verbal reprimand with a notation of the violation being placed in personnel file. Employee is to receive additional training on the safety subject violated.
2. **SECOND OFFENSE:** Employee is to receive a written reprimand, with a copy to personnel file, and suspended from work for a period of three (3) days without pay. On returning to work, the employee will receive additional training on the safety subject violated.
3. **THIRD OFFENSE** Termination of employee with written statement of cause to his personnel file.

I have read and fully understand the basic safety/job rules and understand that violation of these rules may lead to my dismissal**.**

Date_____ Employee name_____

Employee Signature_____

Company Representative_____

EMPLOYEE WARNING NOTICE

Date_____Project_____

Employee Name_____

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Position/Title_____ Issued by_____

_____

_____Absenteeism

_____Tardiness

_____Abuse to equipment, materials

_____Leaving work area without permission

_____Poor work due to neglect

_____Alcohol or drugs on premises

_____Stealing

_____Loafing

_____Stopping work without permission

_____Discrimination

_____Sexual Harassment

_____Smoking in prohibited areas

_____Insubordination

_____Refusing to obey orders

_____Violation of safety rules

_____Violation of Company rules/policies

_____Abusive language

_____Fighting or horse

_____Falsifying information to the company

_____Reckless driving on premises

_____General inability to meet work goals

_____Other (specify)

_____

_____Verbal Warning _____Written Warning_____Suspension_____Dismissal

Supervisor's Statement

_____
_____
_____
_____
_____

Employee's Statement

_____
_____
_____
_____
_____

The purpose of this warning notice is to bring to your attention and give you an opportunity to correct the issues above. If these discrepancies continue it may result in your dismissal.

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Employee's signature does not indicate agreement with the above statement, but does indicate that these issues were discussed with the employee.

Length of suspension (if any-typically three (3)days) _____

_____ _____

Employee signature Supervisor Signature

Date_____ Date_____

APPENDIX B

PROFESSIONAL ASBESTOS AND LEAD SERVICE, INC SOIL HEALTH & SAFETY PLAN

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Revised 11/21/24

Soil Health & Safety Plan

For The

Alameda High School – Swim Center Modernization Project

Located at

2200 Central Avenue
Alameda, CA 94501

Scope of Work

The scope of work includes the removal and disposal of lead-containing soils discovered at the site.

Training Requirements

All PALS employees conducting hazardous materials abatement on this project will have the following:

- Lead-awareness training,
- Current Medical Evaluation,
- Current Fit-Test Documentation, and
- Current Blood Test Results.

Safety Manager

Eric Edsberg CHST- (408) 726-2283

- Certified Health & Safety Technician, and
- OSHA 500 & 510 Trainer.

Regulated Areas

All soil excavation /removal activities will occur within Lead Regulated Work Areas (RAs) by utilizing Lead barricade tape Lead Warning Signage and Orange Plastic Delineators.

Water Source

PALS will use the nearest available water source (hose bib) to provide water into the RA's.

Hygiene Facility

A hygiene facility consisting of a wash bucket, soap and clean disposable towels will be used for employee decontamination engaging in lead related activities. All PALS employees exiting the RA's will be required to remove their protective clothing and properly decontaminate themselves to include washing their boots with water and brushes.

No one will be allowed to enter the RA that does not have a direct need to do so. Persons entering the work area must follow all entry procedures, donning protective clothing, using the appropriate respiratory protective device, and complying with the requirements of the company's respiratory protection program.

- All generated waste streams other than soil (PPE, plastic sheeting, filters etc.) will be sampled by Waste StreM Characterization sampling to determine the appropriate disposal method.

Waste Characterization Sampling

All waste streams (i.e. suits, rags, gloves, etc.) will be tested by TTLC.

- If the TTLC result is less than 50 mg/kg that waste stream will be disposed of as non-hazardous waste.

- If the TTLC sample result is greater than 50 mg/kg but below 1000 mg/kg it will be analyzed by STLC.

- If the STLC result is less than 5 mg/l it will be disposed of as non-hazardous waste at the NWS Landfill.

- If the STLC result is greater than 5 mg/l the waste will be sampled by TCLP to determine if the waste stream is considered a RCRA or non-RCRA Waste for disposal at Clean Harbors in Buttonwillow, CA.

Personal Protection Equipment

Prior to entering the work area(s), all personnel will don respiratory protection, suit-up with protective disposable clothing (i.e. Tyvek coveralls, work boots, head covering, eye protection and gloves), this equipment will be worn at all times while inside the work area. If standard protective procedures are not followed, the person in non-compliance will be removed from the site immediately.

Respiratory Protection

PALS will be utilizing North half face negative pressure respirators with P-100 HEPA filters during all lead related removal activities. Respirators selected are from those approved by the National Institute for Occupational Safety and Health (NIOSH).

Removal and Disposal Procedures

Soil Excavation

Using wet methods, a Link belt 350 excavator with bucket and bobcat S650 will be used to remove the lead containing soil and place into awaiting tucks. The trucks will be capable of safely transporting lead-containing soil to Clean Harbors in Buttonwillow, CA.

Should an accidental spill happen while loading the trucks, all work will stop, and workers will immediately clean up the spilled soil using wet methods, shovels, brooms, and/or HEPA type vacuums and place into 6ml poly bags. The bags will then be loaded into the awaiting trucks with the other lead-containing soils.

Dust Control / Engineering Controls

Engineering controls used for this project may include the following:

- Drop sheeting / covering stockpiles (as necessary),
- Wet methods / using water to keep soil wet during excavations to prevent visible dust,
- Prompt loading of soil as it is being excavated,
- Covering the loads of soil once loaded,
- Removal of soil from equipment and tires prior top exiting the site / RAs,
- Worker decontamination (hygiene facilities),
- Removing soils track out from municipal streets and sidewalks (if observed),
- HEPA Vacuums.

See the Soil Management Plan for more details.

Waste Characterization Sampling

All waste streams (i.e. suits, rags, gloves, etc.) will be tested by TTLC.

- If the TTLC result is less than 50 mg/kg that waste stream will be disposed of as non-hazardous waste.

- If the TTLC sample result is greater than 50 mg/kg but below 1000 mg/kg it will be analyzed by STLC.

- If the STLC result is less than 5 mg/l it will be disposed of as non-hazardous waste at the NWS Landfill.

- If the STLC result is greater than 5 mg/l the waste will be sampled by TCLP to determine if the waste stream is considered a RCRA or non-RCRA Waste for disposal at Clean Harbors in Buttonwillow, CA.

Job Description and Responsibilities

Superintendent

The Superintendent is a CDPH certified lead abatement supervisor and EPA/AHERA Asbestos Supervisor trained and experienced in asbestos and lead abatement projects. He will be responsible for scheduling, coordinating with the general contractor and other subcontractors, conducting safety meetings and supervising PALS's work force.

The Superintendent will also be responsible for ensuring the following.

Before the Job

- All workers are on the medical surveillance program,
- All engineering controls and protective equipment are ready to be used on the job, and
- All employees have been trained, including respiratory training.

During the Job:

- That engineering controls are in place and used correctly, and
- All workers are wearing appropriate personal protective equipment and using good hygiene practices.

The Superintendent will be on site full time during any lead related activities and will conduct inspections of the work area to ensure that control measures, work practices and personal protective equipment are used. The Superintendent will also ensure a safe working environment.

Medical Surveillance Program

Purpose

To assure a healthy work force through:

- Selection of employees physically able to safely work in lead-exposed tasks, and
- Monitoring their health and exposure on a regular basis.

Scope

This program applies to all PALS employees who are exposed to lead at or above an eight-hour time weighted average concentration of 30 ug/m3 for more than thirty days per year, or who are otherwise considered to be at potential risk of significant lead exposure. This procedure has been written primarily to meet requirements of CCR Title 8 1532.1 Lead in Construction Standards and as such will be revised when required to remain in compliance with applicable regulations.

Requirements

Initial Medical Examination

Each covered employee will have an initial medical evaluation to determine his or her ability to safely work in lead-exposed tasks. Assignment to such tasks is contingent upon the examining physician's opinion that the employee is medically qualified to wear a respirator and to work in a lead-contaminated environment when using appropriate personal protective equipment.

Annual Medical Examination:	Annual medical examinations will be conducted for each employee who exceeds or is expected to exceed the action level for more than 30 (thirty) days in a year.
Special Medical Examinations:	Special medical examinations will be conducted if the employee develops signs or symptoms commonly

	associated with lead intoxication; if the employee desires medical advice concerning the effects of lead; If the employee has difficulty wearing his or her assigned respirator; if otherwise determined medically necessary for the follow-up of any worker medically removed from potential lead exposure.
Biological Monitoring:	Every employee for this project will undergo blood lead and ZPP testing prior to mobilization on the project and within two (2) days after completion of lead work on this project. Should a worker be removed from exposure to lead because of a high blood lead concentration, he or she will be tested monthly during the period of removal.
Medical Removal:	If at any time a workers blood lead concentration's meet or exceed 50 ug/dl, the worker will be removed from further workplace exposure for at least 2 weeks or until the lead concentration falls to an acceptable concentration. Any worker who is determined by the physician to no longer be medically qualified to work in lead-exposed tasks will be removed from those tasks.

Responsibilities

Site Superintendent:	The Site Superintendent will be designated to coordinate scheduling of medical services by the local medical provider.
Local Medical Provider:	The Local Medical Provider will conduct medical examinations and biological monitoring tests according to this section. The Provider will forward specimens for lead and ZPP analysis to the designated laboratory and will forward results of the of blood lead to Allied Environmental, Inc.

Medical Examination Protocol

Initial and periodic medical examinations consist of the following:

- Detailed medical and occupation history, with particular attention to past lead exposure and health concerns associated with lead,
- Physical examination with particular attention to potential for lead-related abnormalities,
- Blood pressure, pulse, height and weight,
- Pulmonary function tests,
- Chest x-ray, PA only, every other year, and
- Blood tests (lead, ZPP, Complete blood count, chemistry screen).

Medical Records

Employees will be provided access to their medical records within fifteen days of receipt of a written request from the employee or the employee's designated representative. All employee records will be maintained for at least the duration of employment plus thirty years.

Lead

Permissible exposure limit

PALS will assure that no employee is exposed to lead at concentrations greater than fifty micrograms per

cubic meter of air (50mg/m^3) averaged over an 8-hour period.

If an employee is exposed to lead for more than 8 hours in any work day the employees' allowable exposure, as a time weighted average (TWA) for that day, will be reduced according to the following formula:

- Allowable employee exposure (in mg/m 3) = 400 divided by hours worked in the day.

When respirators are used to limit employee exposure as required, employee exposure may be considered to be at the level provided by the protection factor of the respirator for those periods the respirator is worn.

Those periods may be averaged with exposure levels during periods when respirators are not worn to determine the employee's daily TWA exposure.

Exposure Assessment

PALS will initially determine if any employee may be exposed to lead at or above the action level (AL). Employee exposure is that exposure which would occur if the employee were not using a respirator.

PALS will collect personal samples representative of a full shift including at least one sample for each job classification in each work area either for each shift or for the shift with the highest exposure level.

- Full shift personal samples will be representative of the monitored employee's regular, daily exposure to lead.

Protection of employees during assessment of exposure

Where lead is present, until PALS performs an employee exposure assessment the employee performing any of the listed tasks is not exposed above the PEL, ECPR will treat the employee as if the employee were exposed above the PEL, and not in excess of ten (10) times the PEL, and will implement employee protective measures.

In addition, where PALS has any reasons to believe that an employee performing the task may be exposed to lead in excess of the PEL, until PALS performs an employee exposure assessment as required and documents that the employee's lead exposure is not above the PEL, PALS will treat the employee as if the employee were exposed above the PEL and will implement employee protective measures.

Waste Storage

See the Soil Management Plan for more details.

Traffic Control

See the Soil Management Plan for more details.

Inclement Weather

See the Soil Management Plan for more details.

Notification Requirements

As required, PALS will notify, in writing, the nearest District Office of DOSH prior to commencement of any lead-related activity at least 24 hours prior.

Lead Soil Work Plan Prepared By:

Professional Asbestos & Lead Services LLC

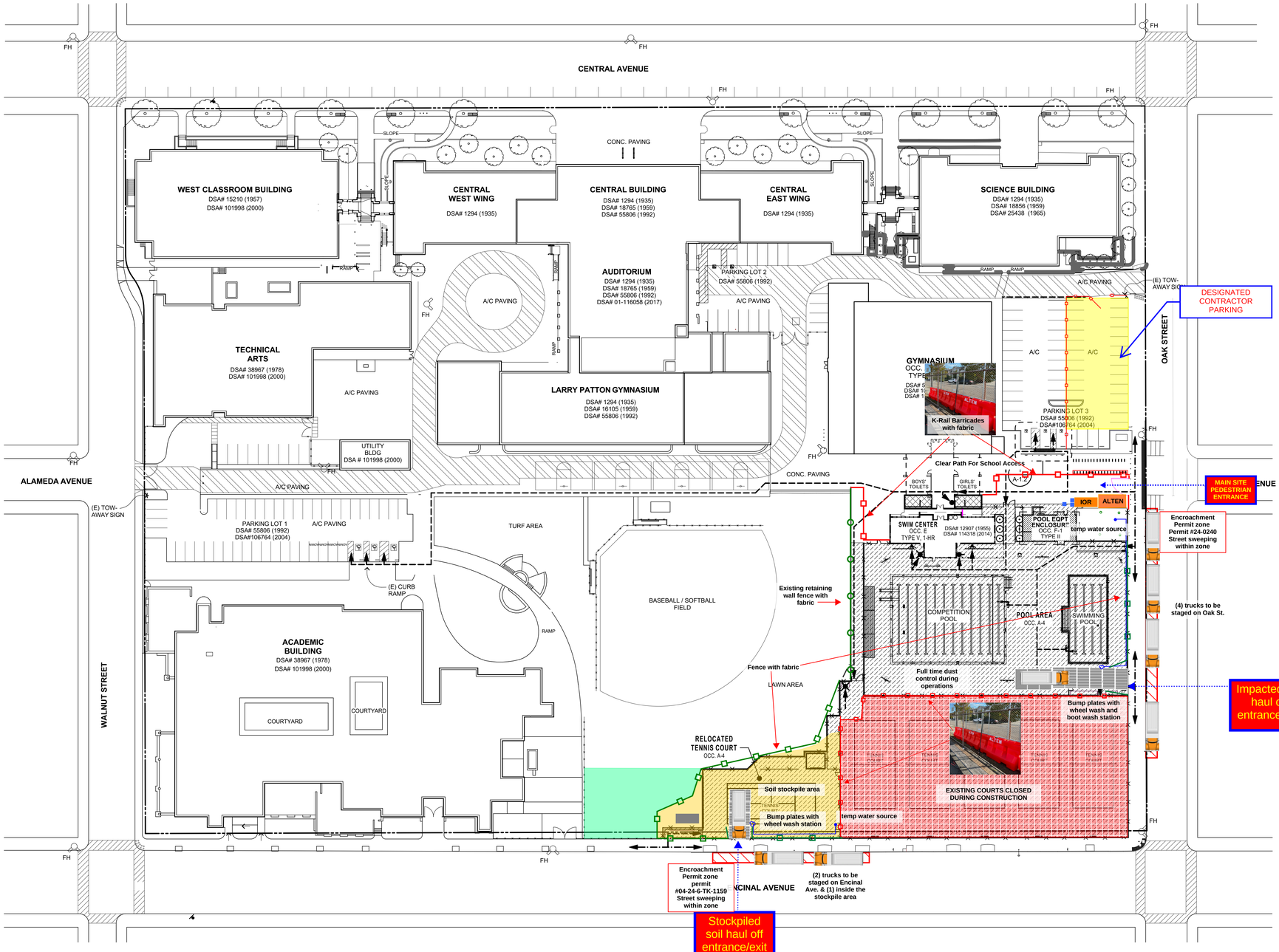


Steve Whittington, CAC, CDPH
General Manager/Estimator

APPENDIX C

ALTEN'S SITE LOGISTICS PLAN

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POOL SITE ACCESS, FLS

1" = 40'

1

GENERAL NOTES

1. FOR BUILDING CODE ANALYSIS SEE G-0.4.
2. ALL NEW WORK SHALL BE ACCESSIBLE. ALL NEW WALKWAYS SHALL CONFORM TO CBC 1133B.7 PAVING MATERIALS NOT OTHERWISE NOTED SHALL BE CONCRETE PER DETAIL.
   - CONCRETE SHALL SLOPE MIN. 1/8" PER FOOT AWAY FROM BUILDINGS, S.C.D.
   - EXTERIOR DOOR LANDINGS SHALL SLOPE 1/4" PER FOOT MAX. AWAY FROM BUILDING FOR DRAINAGE.
3. REFER TO CIVIL ENGINEERING DWGS FOR SIDEWALK GRADES.
4. REFER TO CIVIL ENGINEERING DRAWINGS FOR SITE FEATURES NOT OTHERWISE INDICATED.
5. PARKING AND PEDESTRIAN SITE SIGNAGE SHALL COMPLY WITH CBC SECTIONS 11B-502.6 & 11B-703.7.2.1
6. BUILDING SIGNAGE SHALL COMPLY WITH CBC 11B-703
7. PEDESTRIAN GATES SHALL COMPLY WITH CBC 1008.2 & 11B-206.5

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT THE P.O.T. WAS EXAMINED AND ANY ELEMENT, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT

1) HAVE BEEN IDENTIFIED AND
2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.

ANY NONCOMPLIANT ELEMENT, COMPONENT, OR PORTION OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE-COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOUCMENT.

THE BARRIER FREE PATH OF TRAVEL INDICATED HAS BEEN PROVIDED IN ACCORDANCE WITH IR 11B-10 AND SHALL COMPLY WITH THE FOLLOWING:
- 1:20 MAXIMUM SLOPE WITHOUT A RAMP
- 1:48 MAXIMUM CROSS SLOPE
- NO ABRUPT VERTICAL CHANGES EXCEEDING 1/4", CHANGES BETWEEN 1/4" TO 1/2" VERTICAL CAN BE AT 1:2 MAX SLOPE. CHANGES LESS THAN 1/4" CAN BE VERTICAL
- 48" MIN. CLEAR IN WIDTH (60" MIN PASSING SPACE)
- NON-SLIP SURFACE -HEAVY BROOM FINISH AT EXTERIOR CONCRETE PAVING WHERE SLOPED >6%, MEDIUM BROOM FINISH AT SLOPES <6%
- MAINTAIN FREE OF OVERHANGING OBSTRUCTIONS TO 80" MIN
- PROTRUDING OBJECTS NOT GREATER THAN 4" SHALL BE MOUNTED BETWEEN 27" AND 80" A.F.F.
- WHERE A DRAIN INLET IS IN THE PATH OF TRAVEL, THE GRATE SHALL BE ORIENTED SO THAT MAX OPENING IS 1/2" & LONG DIM IS PERPENDICULAR TO THE PREDOMINANT DIRECTION OF PEDESTRIAN TRAVEL.
- CONTRACTOR TO VERIFY THAT NO BELOW-GRADE PULL BOXES OCCUR WITHIN THE AREA OF TRUNCATED DOMES

LEGEND

- (E) BUILDING
- UNCONDITIONED POOL EQUIPMENT ENCLOSURE BULDING
- MODERNIZED SITEWORK
- (E) 20' WIDE EMERGENCY VEHICLE ACCESS
- (E) ACCESSIBLE RESTROOM
- (E) ACCESSIBLE PATH OF TRAVEL PER GENERAL NOTES ABOVE
- (E) ACCESSIBLE PATH OF TRAVEL AT PUBLIC RIGHT OF WAY
- (E) ACCESSIBLE ENTRY/ EXTERIOR DOOR AT P.O.T.
- FH (E) FIRE HYDRANT
- (E) ACCESSIBLE DRINKING FOUNTAIN
- (E) ACCESSIBLE BOTTLE-FILL STATION
- ACCESSIBLE HI-LO BOTTLE-FILL DRINKING FOUNTAIN
- ACCESSIBLE RINSE-OFF SHOWER

PARKING ANALYSIS

	TOTAL SPACES PROVIDED (E)	TOTAL SPACES PROVIDED (N)	ACC SPACES REQUIRED *	ACC SPACES PROVIDED
PARKING LOT 1	56	56	3 (1 VAN)	3 (1 VAN)
PARKING LOT 2	16	16	1 (1 VAN)	2 (1 VAN)
PARKING LOT 3	54	54	3 (1 VAN)	3 (1 VAN)

* CBC SECTION 11B-208.2 & TABLE 11B-208.2
1-25 PARKING SPACES: 1 ACCESSIBLE SPACES REQUIRED
26-50 PARKING SPACES: 2 ACCESSIBLE SPACES REQUIRED
51-75 PARKING SPACES: 2 ACCESSIBLE SPACES REQUIRED
PER 11B-208.2.4: 1 VAN ACC SPACE REQUIRED PER 6 ACC SPACES

QUATTROCCHI KWOK ARCHITECTS
Main:
636 Fifth Street, Santa Rosa, CA 95404
East Bay:
55 Harrison Street, Suite 525,
Oakland, CA 94607
(707) 576-0829

LICENSED ARCHITECT
MARK QUATTROCCHI
LICENSE # C15438
EXP JULY 31, 2025
STATE OF CALIFORNIA

SIGNED: DECEMBER 18, 2023

ALAMEDA HIGH SCHOOL

SWIM CENTER MODERNIZATION

2200 CENTRAL AVE,
ALAMEDA, CA 94501

ALAMEDA UNIFIED SCHOOL DISTRICT

DSA APP NO. 01-121390
ARCH PROJECT NO: 2112.00
DRAWN BY: BSC, TF
DRAWING SCALE: 1" = 40'-0"
PTN: 61119-160 FILE NO: 1-H1

DSA SUBMITTAL
DECEMBER 18, 2023

SHEET TITLE

POOL SITE ACCESSIBILITY, FIRE & LIFE SAFETY PLAN

SHEET NUMBER

G-0.3

BIMcloud: archiserver - BIMcloud Basic for Archicad 25/2112.00 AHS SWIM CTR/2112.00 AHS SWIM CENTER SITE:12/18/2023 3:22 PM



FIGURE 3
ALAMEDA TRUCK ROUTES

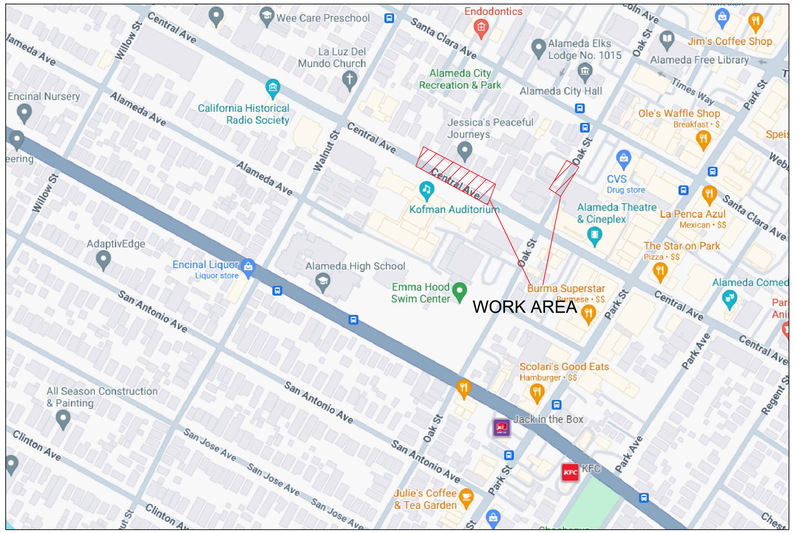
- Truck Route
- Temporary Truck Route
- No Truck Route

TEMPORARY TRAFFIC CONTROL PLAN
CITY OF ALAMEDA

EXHIBIT A

GENERAL TRAFFIC CONTROL NOTES:

1. THE APPLICATION OF THE SPECIFICATION FOR THE WORKSITE TRAFFIC CONTROL SHALL CONFORM TO THE STATE OF CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD) , CHAPTER 6 OF THE 2014 EDITION, THE WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH MANUAL), LATEST EDITION, CALTRANS SPECIFICATIONSAND STANDARD PLANS, AND THE CITY OF ALAMEDA STANDARDS LATEST EDITIONS.
2. THE NAME AND PHONE NUMBER (24-HOUR AVAILABILITY) OF THE CONTRACTOR'S SAFETY COORDINATOR AND TRAFFIC CONTROL DEVICE MAINTENANCE INSPECTOR SHALL BE PROVIDED TO THE CITY INSPECTOR. ANY CHANGE IN THE ASSIGNED PERSONNEL OR PHONE NUMBER SHALL BE REPORTED IMMEDIATELY TO THE INSPECTOR. THE CONTRACTORS SAFETY COORDINATOR AND/OR TRAFFIC CONTROL DEVICE MAINTENANCE INSPECTOR SHALL MAKE PERIODIC INSPECTIONS OF TRAFFIC CONTROL DEVICES THROUGHOUT THE DAY AND NIGHT TO INSURE THAT CONTROLS ARE PROPERLY LOCATED AND IN GOOD REPAIR. THE ABOVE PERSONNEL SHALL HAVE THE WORKSITE TRAFFIC CONTROL PLANS ON SITE AND AVAILABLE AT ALL TIMES.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR PERFORMING WORK FOR THE PROJECT TO INSTALL AND MAINTAIN THE TRAFFIC CONTROL DEVICES AS SHOWN HEREIN, AS WELL AS ANY SUCH ADDITIONAL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CITY OF ALAMEDA. THE TRAFFIC CONTROL PLAN INSTALLED SHALL PROVIDE FOR SAFE MOVEMENT OF VEHICULAR AND PEDESTRIAN TRAFFIC THROUGH AND AROUND THE WORK AREA AND PROVIDE MAXIMUM PROTECTION AND SAFETY TO CONSTRUCTION WORKERS.
4. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN THEIR PROPER POSITION AT ALL TIMES AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE AND CONTINUITY.
5. THE CITY OF ALAMEDA HAS THE RIGHT TO OBSERVE THE TRAFFIC CONTROL IN USE AND TO MAKE ANY CHANGES DEEMED NECESSARY BY FIELD CONDITIONS. ANY CHANGES SHALL SUPERSEDE THESE PLANS AND WILL BE DONE SOLELY AT THE CONTRACTOR'S EXPENSE.
6. ORANGE COLORED ENGINEERING GRADE REFLECTIVE OR BRIGHTER SHEETING SHALL BE USED AS THE BACKGROUND FOR ALL CONSTRUCTION MAINTENANCE WORK ZONE AND WARNING SIGNS USED WITHIN THE WORKSITE TRAFFIC CONTROL AREA, IF NOT SPECIFIED BY THE STANDARDS LISTED IN NOTE 1 ON THIS PLAN.
7. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED FOLLOWING THE COMPLETION OF THE CONSTRUCTION PHASE. THE PERMANENT TRAFFIC CONTROL DEVICES SHALL BE RESTORED BY THE CONTRACTOR AS OPERATIONS REVERT BACK TO THE DEVICES' INTENDED USE.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ACCESS TO ALL PUBLIC AND PRIVATE DRIVEWAYS IN THE CONSTRUCTION AREA NOT RELATED TO THE SPECIFIC PROJECT. CONTRACTOR IS TO NOTIFY NEIGHBORING BUSINESSES 72-HOURS IN ADVANCE OF CONSTRUCTION.
9. ALL NECESSARY ENCROACHMENTS PERMITS SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
10. ALL CONFLICTING SIGNS SHALL BE COVERED.
11. THE CONTRACTOR SHALL REMOVE ANY EXCESS AND/OR CONFLICTING STRIPING AND PAVEMENT MARKERS AS NECESSARY BY GRINDING.
12. THE CONTRACTOR SHALL PLATE OPEN TRENCHES AT THE END OF EACH WORK DAY PER CALTRANS STEEL PLATE BRIDGING UTILITY PROVISIONS TR-0157.



VICINITY MAP

VICINITY MAP (N.T.S)

LEGEND:

= TYPE II BARRICADE W/SIGN	= WORK AREA
= TRAFFIC CONE	P.T.T.A.N.S.A.T.S. = POST TEMPORARY TOW AWAY NO STOPPING ANY TIME SIGNS
= PORTABLE SIGN	= EXISTING DRIVEWAY
= CONE W/ SIGN	= ABSORB 350 SYSTEM 3 ELEMENTS
= EXISTING SIGN	= K-RAIL
= TYPE III BARRICADES W/SIGN	= SIGNALIZED INTERSECTION
= FLAGGER	= EXISTING LANE FLOW DIRECTION
= DIRECTION OF TRAFFIC FLOW	CMS = CHANGEABLE MESSAGE SIGN

Contact

Contractor's name: Alten Construction LLC

Contractor's Address: 1141 Marina Way S
Richmond, CA 94804

Contact Name: Harry Torrano

Contact Phone Number:
(415) 559-6063

TABLE 1
TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING

SPEED (S)	MINIMUM TAPER LENGHT * FOR WIDTH OF OFFSET 12 FEET (W)					MAXIMUM CHANNELIZER DEVICE SPACING		
						X	Y	Z **
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	LONGITUDINAL BUFFER (TABLE VI-1)	TAPER	TANGENT	CONFLICT
MPH	FT	FT	FT	FT	FT	FT	FT	FT
20	160	80	40	30	35	20	40	10
25	250	125	65	45	55	25	50	12
30	360	180	90	60		25	60	15
35	490	245	125	85	120	25	70	17
40	640	320	160	110	170	25	80	20
45	1080	540	270	180	220	45	90	22
50	1200	600	300	200	280	50	100	25
55	1320	660	330	220	335	50	100	25
60	1440	720	360	240	415	50	100	25
65	1560	780	390	260	485	50	100	25
70	1680	840	420	280	550*	50	100	25
75	1800	900	450	300	625*	50	100	25

FOR OTHER OFFSETS: TAPER LENGTH FORMULA:
40 MPH OR LESS L=WS²/60
45 MPH OR MORE L=WS
L = TAPER LENGHT W = WIDTH OF OFFSET S = POSTED SPEED, OF-PEAK 85TH-PERCENTILE

TABLE 3 – ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS*		
	A	B	C
	FT	FT	FT
URBAN – 25 MPH OR LESS	100	100	100
URBAN – MORE THAN 25 MPH TO 40 MPH	250	250	250
URBAN – MORE THAN 40 MPH (45–50)	350	350	350
RURAL (55–60 MPH)	500	500	500
EXPRESSWAY / FREEWAY (65+ MPH)	1000	1500	2640

REGISTERED PROFESSIONAL ENGINEER
DON P. TRAN
No. 2074
Exp. 06-30-24
TRAFFIC
STATE OF CALIFORNIA

Under Ground Service Alert of Southern California
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

NTS TRAFFIC SOLUTIONS

PROJECT LOCATION:
22000 CENTRAL AVE.
ALAMEDA, CA

PROJECT NAME:

PRIME CONTRACTOR:
ALTEN CONSTRUCTION

CONTACT:
JEFF WITZELBERGER
(415) 701-2641

CITY OF ALAMEDA
DEPARTMENT OF PUBLIC WORK

ENGINEER, TRAFFIC DIVISION — DATE
RECOMMENDED BY:
ACCEPTED BY:
TRAFFIC DIVISION — DATE
PERMIT ENGINEER — DATE

ENGINEER STAMP:

REV	DATE	REV	DATE	

REVIEWED BY/ APPROVED BY:

CITY ENGINEER:

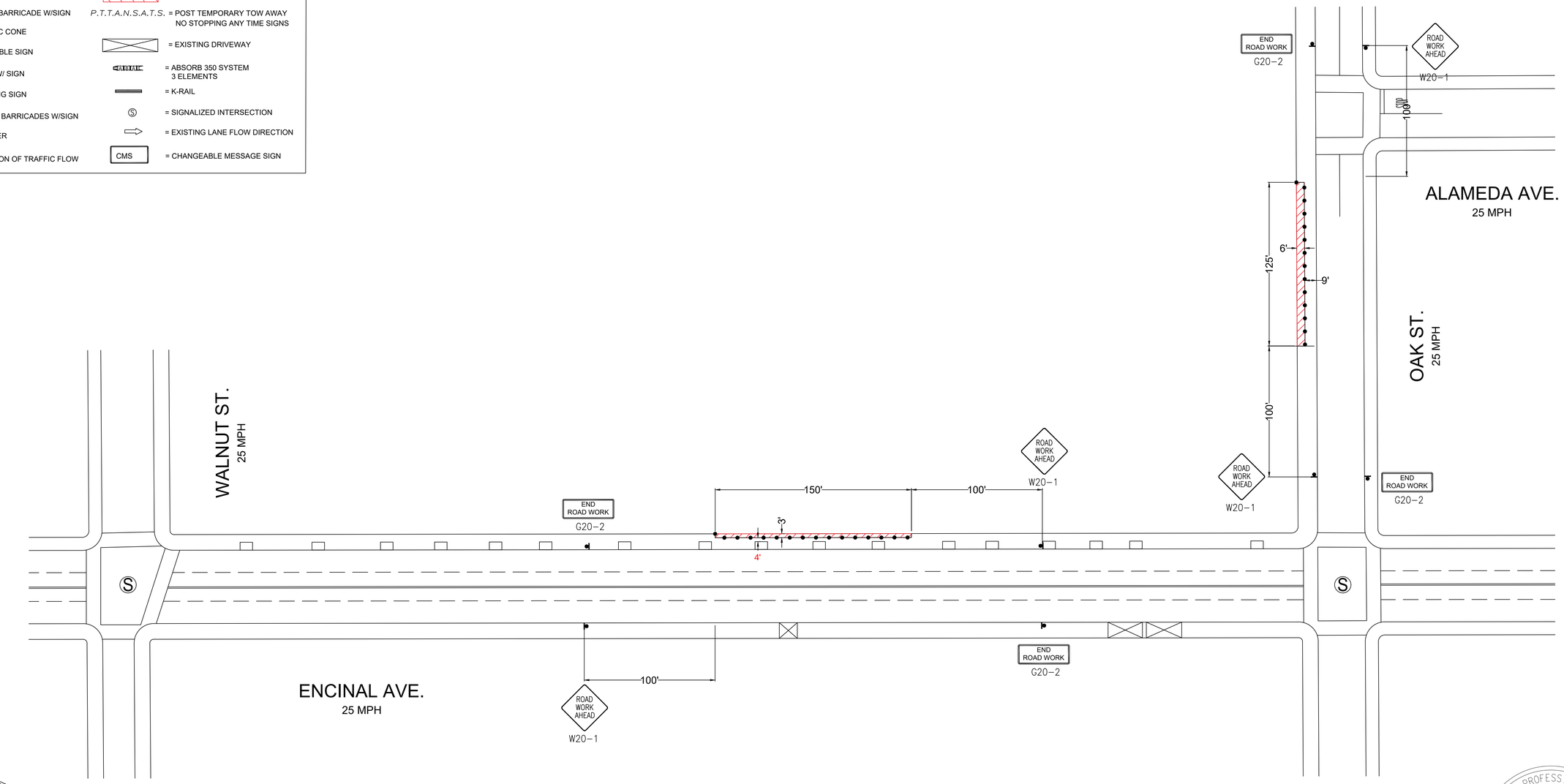
DRAWN BY: FABRIZIO V.
DESIGNED BY: FABRIZIO V.
CHECKED BY:
LICENSE: 787313 C31/D42

SCALE: N.T.S
DATE: 5/21/2024
BRANCH: CA60
DRAWING NO: 24-061FV

TEMPORARY TRAFFIC CONTROL PLAN
CITY OF ALAMEDA

LEGEND:

- = TYPE II BARRICADE W/SIGN
- = TRAFFIC CONE
- = PORTABLE SIGN
- = CONE W/ SIGN
- = EXISTING SIGN
- = TYPE III BARRICADES W/SIGN
- = FLAGGER
- = DIRECTION OF TRAFFIC FLOW
- = WORK AREA
- P.T.T.A.N.S.A.T.S. = POST TEMPORARY TOW AWAY NO STOPPING ANY TIME SIGNS
- = EXISTING DRIVEWAY
- = ABSORB 350 SYSTEM 3 ELEMENTS
- = K-RAIL
- = SIGNALIZED INTERSECTION
- = EXISTING LANE FLOW DIRECTION
- CMS = CHANGEABLE MESSAGE SIGN



SCALE: 1" = 40'

50' 40' 20' 0' 40' 80' 120'

10' 20' 20' 40' 40' 40'

REF: SCALE ON 24"X36" PRINT, USE SCALE ABOVE IF OTHER SIZE.

REGISTERED PROFESSIONAL ENGINEER
DON P. TRAN
No. 2074
Exp. 06-30-24
TRAFFIC
STATE OF CALIFORNIA

Under Ground Service Alert of Southern California
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

NTS TRAFFIC SOLUTIONS

PROJECT LOCATION:
22000 CENTRAL AVE.
ALAMEDA, CA

PROJECT NAME:

PRIME CONTRACTOR:
ALTEN CONSTRUCTION

CONTACT:
JEFF WITZELBERGER
(415) 701-2641

CITY OF ALAMEDA
DEPARTMENT OF PUBLIC WORK

Recommended By: Date:

Accepted By: Date:

ENGINEER STAMP:

REV	DATE	DESCRIPTION:

REVIEWED BY/ APPROVED BY:

CITY ENGINEER:

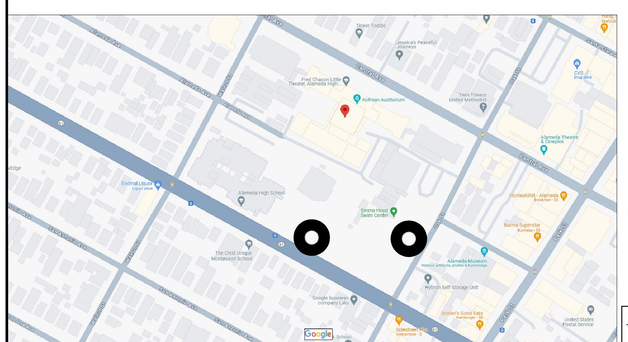
DRAWN BY: FABRIZIO V.
DESIGNED BY: FABRIZIO V.
CHECKED BY:
LICENSE: 787313 C31/D42

SCALE: 1"=40'
DATE: 5/21/2024
BRANCH: CA60
DRAWING NO: 24-061FV

NOTES:
1. PROVIDE FLAGGER FOR DRIVEWAY ACCESS
2. KEEP ALL DRIVEWAYS OPEN/CLEAR DURING CONSTRUCTION.
3. USE CONES WITH 18"MIN. HEIGHT AS CHANNELIZING DEVICE. PORTABLE DELINEATORS PLACED AT ONE–HALF THE SPACING INDICATED FOR TRAFFIC CONES, MAY BE USED INSTEAD OF CONES FOR DAYTIME CLOSURES ONLY.
4. ALL CONES USED FOR LANE CLOSURES DURING THE HOURS OF DARKNESS SHALL BE FITTED WITH RETRO–REFLECTIVE BANDS OR SLEEVES AS SPECIFIED IN THE SPECIFICATIONS.
5. THE MAXIMUM SPACING BETWEEN CONES ALONG A TANGENT AND A TAPER SHALL BE APPROXIMATELY AS SHOWN ON TABLE 2.
6. EACH ADVANCE WARNING SIGN SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS FOR DAYTIME CLOSURES. EACH FLAG SHALL BE AT LEAST 16"x16" IN SIZE AND SHALL BE ORANGE OR FLUORESCENT RED–ORANGE IN COLOR. FLASHING BEACON SHALL BE PLACED DURING DARKNESS INSTEAD OF FLAGS.
7. FLASHING ARROW SIGN SHALL BE EITHER TYPE I OR TYPE II
8. FOR ADDITIONAL INFORMATION, REFER TO THE CALIFORNIA MUTCD (LATEST EDITION)
9. NOTIFY PUBLIC WORKS INSPECTOR 48 HRS PRIOR TO BEGINNING WORK.
10. TRENCH EXCAVATIONS WITHIN THE ROADWAY SHALL BE COVERED WITH STEEL PLATES. STEEL PLATE WARNING SIGNS SHALL BE USED.
11. CONTRACTOR MUST SET–UP AND TEAR DOWN DAILY.
12. PARTIAL STREET CLOSURE REQUIRED APPROVAL BY DEPT. OF PUBLIC WORKS

LEGEND:

- SURFACE MOUNTED DELINEATOR W/ WHITE REFLECTIVE TAPE FOR EDGELINES AND DOUBLE YELLOW TAPE FOR CENTERLINE.
- STANDARD SIGN WITH STAND.
- SIGN ON CONETOP.
- TYPE II BARRICADE W/ STANDARD SIGN & FLASHING BEACON.
- TYPE III BARRICADE W/ STANDARD SIGN & FLASHING BEACON.
- TANSAT — POST TEMPORARY NO STOPPING ANYTIME SIGN.
- CONSTRUCTION WORK AREA.
- GRAPHIC SYMBOLS TO SHOW FLOW OF TRAFFIC – NOT A PAVEMENT MARKING.
- EXISTING PAVEMENT ARROW MARKINGS.
- PORTABLE TUBULAR DELINEATORS OR CONES.



CITY OF ALAMEDA
COVER PAGE
2200 CENTRAL AVE.

EXHIBIT B

SCOPE OF WORK:
MATERIAL DELIVERIES AND OFFHAUL.

WORK HOURS:
~~8:00 AM~~ TO 5:00 PM; MONDAY – FRIDAY
7:00 AM

SIGN LEGEND:

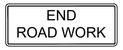
 W20–1	 G20–2	 C30A(CA)	 W11–1
 W5–1	 C12(CA)	 W21–5b	 W16–1

TABLE 1

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES AND MINIMUM TAPER LENGTH

A	B	C		
		MINIMUM TAPER LENGTHS (L) (FEET) FOR 12–FOOT LANE		
APPROACH SPEED (S) (MPH)	MINIMUM DISTANCE (FEET) BETWEEN SIGNS AND FROM LAST SIGN TO TAPER	L	1/2L	1/3L
25	100	125	65	45
30	250	180	90	60
35	250	245	125	85
40	250	320	160	110
45	350	540	270	180
50	350	600	300	200
55+	1000	660	330	220

L FOR MERGE TAPER
1/2L FOR SHIFT TAPER

TABLE 2

RECOMMENDED BUFFER LENGTH AND MAXIMUM CHANNELIZER/CONE SPACING

A	B	C		
		MAX CONE SPACING		
APPROACH SPEED (S) (MPH)	BUFFER LENGTH (FEET)	TAPER	TANGENT	CONFLICT(*)
25	155	25	50	12
30	200	30	60	15
35	250	35	70	17
40	305	40	80	20
45	360	45	90	22
50	425	50	100	25
55+	495	55	100	27

(*) FACING OPPOSING TRAFFIC, ADJACENT TO WORK AREA OR CONFLICTING WITH EXISTING STRIPING

NOTES:

Taper Formula

L = S X W FOR SPEEDS GREATER THAN 45 MPH

$L = \frac{W \times S^2}{60}$ FOR SPEEDS OF 40 MPH OR LESS

L = MINIMUM LENGTH OF TAPER (FEET)
S = APPROACH SPEED (MPH) = POSTED SPEED LIMIT OR OFF–PEAK 85TH % SPEED PRIOR TO WORK STARTING OR ANTICIPATED OPERATING SPEED

W = WIDTH OF OFFSET (FEET)

REGISTERED PROFESSIONAL ENGINEER
DON P. TRAN
No. 2074
Exp. 06–30–24
TRAFFIC
STATE OF CALIFORNIA

PROJECT LOCATION: 2200 CENTRAL AVE ALAMEDA, CA 94501	**WORK TYPE:** MATERIAL DELIVERIES AND OFFHAUL	Underground Service Alert Call: TOLL FREE 1–800 227–2600 (or 811) 2 WORKING DAYS BEFORE YOU DIG			
PRIME CONTRACTOR: ALTEN CONSTRUCTION LLC 1141 MARINA WAY RICHMOND, CA 94804	**CONTACT:** HARRY TORRANO (415)559–6063		REV	DATE	DESCRIPTION

NTS TRAFFIC SOLUTIONS
564 143rd Ave
San Leandro, CA 94578
#787313 C31/ D42
Ph. (855) 351-1114 C. (510)8463421

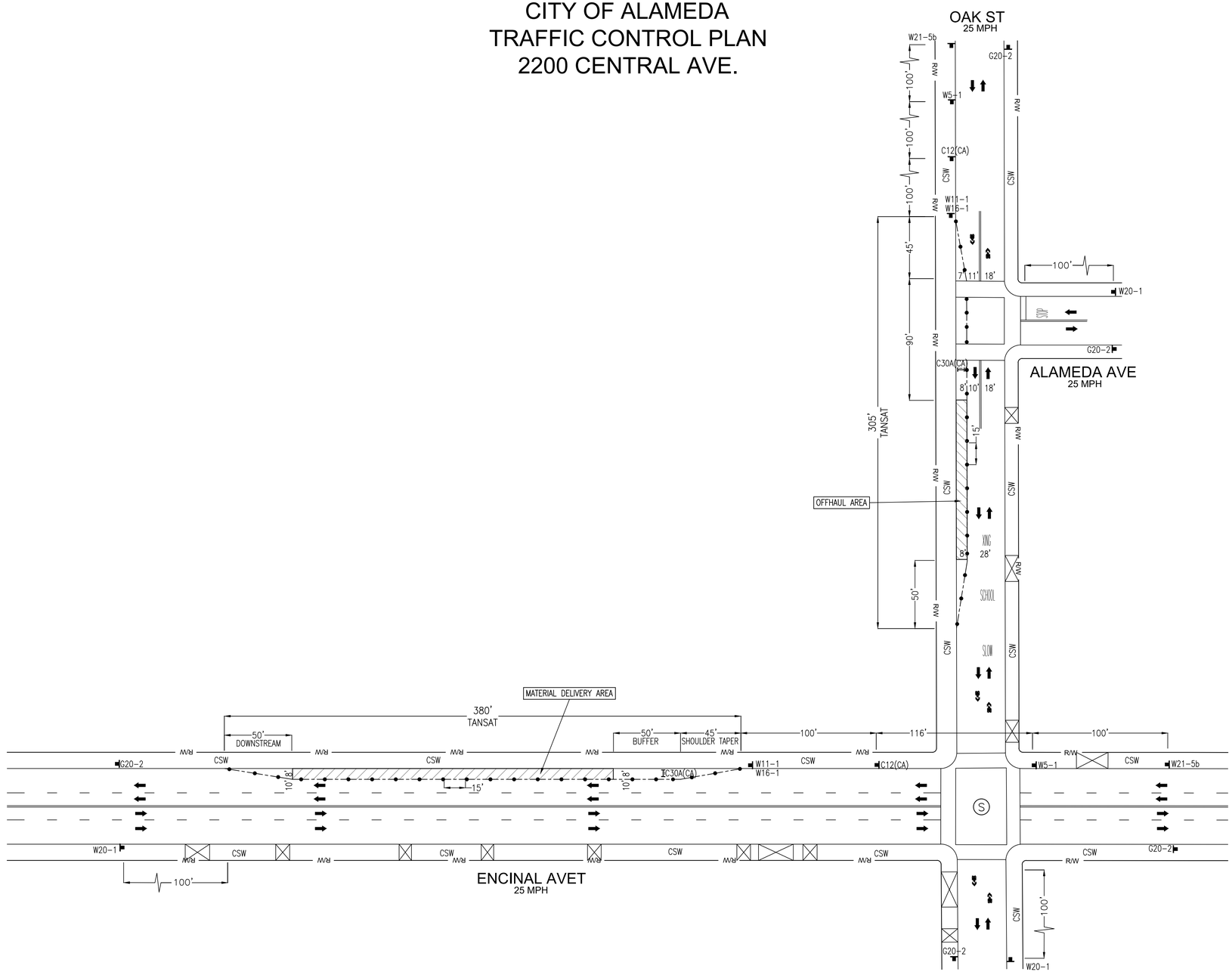
CITY OF ALAMEDA
TEMPORARY TRAFFIC CONTROL PLAN FOR 2200 CENTRAL AVE.

DATE	DRAWN	SCALE
6/03/24	H.D.	1" = 40'
	DESIGN H.D.	

SHEET NO.
TC–1
1 OF 2 SHEETS

ONE PHASE
WORK HOURS: ~~8:00 AM~~ 7:00 AM TO 5:00 PM; MON – FRI

CITY OF ALAMEDA
TRAFFIC CONTROL PLAN
2200 CENTRAL AVE.



PEDESTRIAN NOTES
A DEDICATED INDIVIDUAL WILL BE ASSIGNED THE RESPONSIBILITY OF ESCORTING PEDESTRIANS THROUGH THE WORK AREA IN ACCORDANCE WITH THREE MAJOR CONSIDERATIONS: 1. PEDESTRIANS SHOULD NOT BE LED INTO DIRECT CONFLICT WITH WORK SITE VEHICLES, EQUIPMENT OR OPERATIONS 2. PEDESTRIANS SHOULD NOT BE LED INTO DIRECT CONFLICT WITH MAINLINE TRAFFIC MOVING THROUGH OR AROUND THE WORK SITE 3. PEDESTRIANS SHOULD BE PROVIDED WITH A REASONABLY SAFE, CONVENIENT AND ACCESSIBLE PATH THAT REPLICATES AS NEARLY AS PRACTICAL THE MOST DESIRABLE CHARACTERISTICS OF THE EXISTING SIDEWALK OR FOOTPATH

"NO PARKING" SIGNS SHALL BE POSTED 72 HOURS PRIOR TO STARTING OPERATION

CONTRACTOR TO PROVIDE ACCESS TO DRIVEWAYS AT ALL TIMES
AN INDIVIDUAL WILL BE ASSIGNED TO MAINTAIN THE CONES WHILE THE WORK ZONE IS IN PLACE
CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK

REGISTERED PROFESSIONAL ENGINEER
DON P. TRAN
No. 2074
Exp. 06-30-24
TRAFFIC
STATE OF CALIFORNIA

SCALE: 1" = 40'

Underground Service Alert
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

REV	DATE	DESCRIPTION

NTS TRAFFIC SOLUTIONS
564 143rd Ave
San Leandro, CA 94578
#787313 C31/ D42
Ph. (855) 351-1114 C. (510)8463421

CITY OF ALAMEDA
TEMPORARY TRAFFIC CONTROL PLAN FOR 2200 CENTRAL AVE.

DATE	DRAWN	SCALE
6/03/24	H.D.	1" = 40'
	DESIGN H.D.	

SHEET NO.
TC-2
2 OF 2 SHEETS

APPENDIX D

SITE CHARACTERIZATION REPORT FIGURES 9 THROUGH 19

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5/20/2025

0 15 30
Feet
Locations are Approximate

World Imagery (Wayback 2022-10-12)
(WB_2022_R13):

ALAMEDA AVENUE

OAK STREET

SW-SC-01
SW-SC-04
SW-SC-06
SB-SC-01
SW-SC-03
SS-SC-08
SW-SC-15
SW-SC-02
SW-SC-07
SB-SC-02
SW-SC-16
SS-SC-05
SB-SC-04
SS-SC-11
SS-SC-02
SW-SC-08
SW-SC-05
SW-SC-14
SS-SC-09
SB-SC-08
SB-SC-03
SB-SC-07
SB-SC-09
SS-SC-03
SB-SC-05
SB-SC-12
SB-SC-10
SW-SC-11
SB-SC-06
SS-SC-10
SW-SC-09
SS-SC-12
SB-SC-11
SS-SC-04
SS-SC-07
SW-SC-13
SW-SC-12
SW-SC-10

Explanation

- Investigation Location Analyzed for Lead in Soil
- Swim Center Project Boundary

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KLEINFELDER
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DRAWN:	MAY 2025
DRAWN BY:	K. HAGAN
CHECKED BY:	H. PERRY
FILE NAME:	Char_F9.1.pagx

SWIM CENTER
LEAD SAMPLE LOCATIONS

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
9.1

\\azrgisstorp03\GIS_Projects\Client\AlamedaUnifiedSchoolDistrict\25002610\250026610.aprx

5/20/2025

0 15 30
Feet
Locations are Approximate

World Imagery (Wayback 2022-10-12) (WB_2022_R13):

Location	SB-SC-04		
Depth (ft bgs)	0-0.5	3.5-4	9.5-10
Date	2/27/2025	2/27/2025	2/27/2025
Result (mg/kg)	**190**	**3.9**	**2.9**

Location	SB-SC-01	
Depth (ft bgs)	0-0.5	2-2.5
Date	2/26/2025	2/26/2025
Result (mg/kg)	**66**	**2.8**

Location	SB-SC-02		
Depth (ft bgs)	0-0.5	4.5-5	9.5-10
Date	2/27/2025	2/27/2025	2/27/2025
Result (mg/kg)	**47**	**2.6**	**2.7**

Location	SB-SC-08
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**230**

Location	SB-SC-03	
Depth (ft bgs)	0-0.5	4.5-5
Date	2/26/2025	2/26/2025
Result (mg/kg)	**2.6**	**2.2**

Location	SB-SC-09
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**99**

Location	SB-SC-05	
Depth (ft bgs)	0-0.5	4-4.5
Date	2/27/2025	2/27/2025
Result (mg/kg)	**72**	**4.0**

Location	SB-SC-06		
Depth (ft bgs)	0-0.5	4.5-5	9.5-10
Date	2/27/2025	2/27/2025	2/27/2025
Result (mg/kg)	**36**	**2.8**	**2.7**

Location	SB-SC-07
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**79**

Location	SB-SC-11
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**3.5**

Location	SB-SC-10
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**86**

Location	SB-SC-12
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**92**

ALAMEDA AVENUE

OAK STREET

SW-SC-01, SW-SC-02, SW-SC-03, SW-SC-04, SW-SC-05, SW-SC-06, SW-SC-07, SW-SC-08, SW-SC-09, SW-SC-10, SW-SC-11, SW-SC-12, SW-SC-13, SW-SC-14, SW-SC-15, SW-SC-16, SS-SC-02, SS-SC-03, SS-SC-04, SS-SC-05, SS-SC-07, SS-SC-08, SS-SC-09, SS-SC-10, SS-SC-11, SS-SC-12

Explanation

- Investigation Location Analyzed for Lead in Soil
- Swim Center Project Boundary

Notes:
Blue highlight - Result exceeds SFBRWQCB Residential Soil ESL of 80 mg/kg for lead.
Green highlight - Result exceeds SFBRWQCB Construction Worker Soil ESL of 160 mg/kg for lead.
SFBRWQCB - San Francisco Bay Regional Water Quality Control Board
ESL - SFBRWQCB Environmental Screening Level
mg/kg - milligrams per kilogram
SB-SC locations at the low point of the Swim Center (SB-SC-07 through SB-SC-12) were planned to include deeper samples; the deeper samples were not collected due to surface water ponding and saturated conditions.

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DRAWN:	MAY 2025
DRAWN BY:	K. HAGAN
CHECKED BY:	H. PERRY
FILE NAME:	Char_F9.2.pagx

LEAD SAMPLE RESULTS: SOIL - SB LOCATIONS

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
9.2

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5/20/2025

0 15 30
Feet
Locations are Approximate

World Imagery (Wayback 2022-10-12)
(WB_2022_R13):

Location	SS-SC-05
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**3.0**

Location	SS-SC-08		
Depth (ft bgs)	0-0.5	4.5-5	9.5-10
Date	2/27/2025	2/27/2025	2/27/2025
Result (mg/kg)	**11**	**3.9**	**3.0**

ALAMEDA AVENUE

SW-SC-01
SW-SC-04
SW-SC-06
SB-SC-01
SW-SC-03
SW-SC-15
SW-SC-02
SW-SC-16
SB-SC-04
SB-SC-02
SW-SC-07
SW-SC-08
SW-SC-05
SW-SC-14
SB-SC-08
SB-SC-03
SB-SC-07
SB-SC-09
SB-SC-05
SB-SC-12
SB-SC-10
SW-SC-11
SB-SC-06
SB-SC-11
SW-SC-09
SW-SC-13
SW-SC-12
SW-SC-10

Location	SS-SC-11		
Depth (ft bgs)	0-0.5	4.5-5	9.5-10
Date	2/27/2025	2/27/2025	2/27/2025
Result (mg/kg)	**15**	**3.0**	**3.0**

Location	SS-SC-02
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**2.4**

Location	SS-SC-09
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**97**

Location	SS-SC-03
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**56**

Location	SS-SC-04
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**3.2**

Location	SS-SC-07
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**11**

Location	SS-SC-10
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**57**

Location	SS-SC-12
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**2.5**

Explanation

Investigation Location Analyzed for Lead in Soil

Swim Center Project Boundary

Notes:
Blue highlight - Result exceeds SFBRWQCB Residential Soil ESL of 80 mg/kg for lead.
SFBRWQCB - San Francisco Bay Regional Water Quality Control Board
ESL - SFBRWQCB Environmental Screening Level
mg/kg - milligrams per kilogram

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LEAD SAMPLE RESULTS:
SOIL - SS LOCATIONS

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
9.3

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5/20/2025

0 15 30
Feet
Locations are Approximate

World Imagery (Wayback 2022-10-12) (WB_2022_R13):

Location	SW-SC-02	
Depth (ft bgs)	2-2.5	4-4.5
Date	2/26/2025	2/26/2025
Result (mg/kg)	**1,400**	**3.9**

Location	SW-SC-03	
Depth (ft bgs)	1.5-2	3-3.5
Date	2/26/2025	2/26/2025
Result (mg/kg)	**45**	**3.6**

Location	SW-SC-04	
Depth (ft bgs)	1.5-2	3.5-4
Date	2/26/2025	2/26/2025
Result (mg/kg)	**44**	**6.8**

Location	SW-SC-06	
Depth (ft bgs)	1-1.5	3.5-4
Date	2/26/2025	2/26/2025
Result (mg/kg)	**47**	**2.4**

Location	SW-SC-01	
Depth (ft bgs)	1-1.5	2-2.5
Date	3/11/2025	2/27/2025
Result (mg/kg)	**5.9**	**9.4**

Location	SW-SC-15		
Depth (ft bgs)	1-1.5	2-2.5	3-3.5
Date	3/11/2025	2/27/2025	2/27/2025
Result (mg/kg)	**3.6**	**24**	**9.8**

Location	SW-SC-16	
Depth (ft bgs)	2-2.5	4-4.5
Date	2/27/2025	2/27/2025
Result (mg/kg)	**3.2**	**2.6**

Location	SW-SC-05		
Depth (ft bgs)	1-1.5	2-2.5	4-4.5
Date	3/11/2025	2/27/2025	2/27/2025
Result (mg/kg)	**3.8**	**4.2**	**240**

Location	SW-SC-14	
Depth (ft bgs)	2-2.5	4-4.5
Date	2/27/2025	2/27/2025
Result (mg/kg)	**1,100**	**2.9**

Location	SW-SC-11		
Depth (ft bgs)	1-1.5	2-2.5	4-4.5
Date	3/11/2025	2/27/2025	2/27/2025
Result (mg/kg)	**4.1**	**4.9**	**13**

Location	SW-SC-07	
Depth (ft bgs)	2-2.5	4-4.5
Date	2/26/2025	2/26/2025
Result (mg/kg)	**2.5**	**2.7**

Location	SW-SC-08	
Depth (ft bgs)	2-2.5	4-4.5
Date	2/26/2025	2/26/2025
Result (mg/kg)	**2.3**	**3.7**

Location	SW-SC-09	
Depth (ft bgs)	2-2.5	4-4.5
Date	2/26/2025	2/26/2025
Result (mg/kg)	**2.3**	**3.8**

Location	SW-SC-13	
Depth (ft bgs)	1.5-2	3.5-4
Date	2/27/2025	2/27/2025
Result (mg/kg)	**2.3**	**2.2**

Location	SW-SC-12	
Depth (ft bgs)	1.5-2	3.5-4
Date	2/27/2025	2/27/2025
Result (mg/kg)	**12**	**2.1**

Location	SW-SC-10	
Depth (ft bgs)	1.5-2	3.5-4
Date	2/26/2025	2/26/2025
Result (mg/kg)	**140**	**2.0**

SB-SC-01, SS-SC-08, SB-SC-02, SS-SC-05, SB-SC-04, SS-SC-11, SS-SC-02, SS-SC-09, SB-SC-08, SB-SC-03, SB-SC-07, SB-SC-09, SS-SC-03, SB-SC-05, SB-SC-12, SB-SC-10, SB-SC-06, SS-SC-10, SS-SC-12, SB-SC-11, SS-SC-04, SS-SC-07

ALAMEDA AVENUE

OAK STREET

Explanation

- Investigation Location Analyzed for Lead in Soil
- Swim Center Project Boundary

Notes:
Blue highlight - Result exceeds SFBRWQCB Residential Soil ESL of 80 mg/kg for lead.
Green highlight - Result exceeds SFBRWQCB Construction Worker Soil ESL of 160 mg/kg for lead.
SFBRWQCB - San Francisco Bay Regional Water Quality Control Board
ESL - SFBRWQCB Environmental Screening Level
mg/kg - milligrams per kilogram

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LEAD SAMPLE RESULTS: SOIL - SW LOCATIONS

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
9.4

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5/20/2025

0 15 30
Feet
Locations are Approximate

World Imagery (Wayback 2022-10-12) (WB_2022_R13):

Location	SB-TC-01		
Depth (ft bgs)	0.5-1	4-4.5	4.5-5
Date	2/26/2025	2/26/2025	2/26/2025
Result (mg/kg)	**5.1**	**130**	**16**

Location	SB-TC-05		
Depth (ft bgs)	0-0.5	1.5-2	4.5-5
Date	2/26/2025	2/26/2025	2/26/2025
Result (mg/kg)	**27**	**82**	**2.0**

ENCINAL AVENUE

Location	SB-TC-02		
Depth (ft bgs)	0.5-1	4.5-5	9.5-10
Date	2/26/2025	2/26/2025	2/26/2025
Result (mg/kg)	**18**	**2.3**	**3.5**

Location	SB-TC-03	
Depth (ft bgs)	0.5-1	4.5-5
Date	2/26/2025	2/26/2025
Result (mg/kg)	**200**	**2.1**

Location	SB-TC-04	
Depth (ft bgs)	0.5-1	4.5-5
Date	2/26/2025	2/26/2025
Result (mg/kg)	**63**	**2.6**

Explanation

- Investigation Location Analyzed for Lead in Soil
- New Tennis Court Construction Area
- Swim Center Project Boundary

Notes:
Blue highlight - Result exceeds SFBRWQCB Residential Soil ESL of 80 mg/kg for lead.
Green highlight - Result exceeds SFBRWQCB Construction Worker Soil ESL of 160 mg/kg for lead.
SFBRWQCB - San Francisco Bay Regional Water Quality Control Board
ESL - SFBRWQCB Environmental Screening Level
mg/kg - milligrams per kilogram

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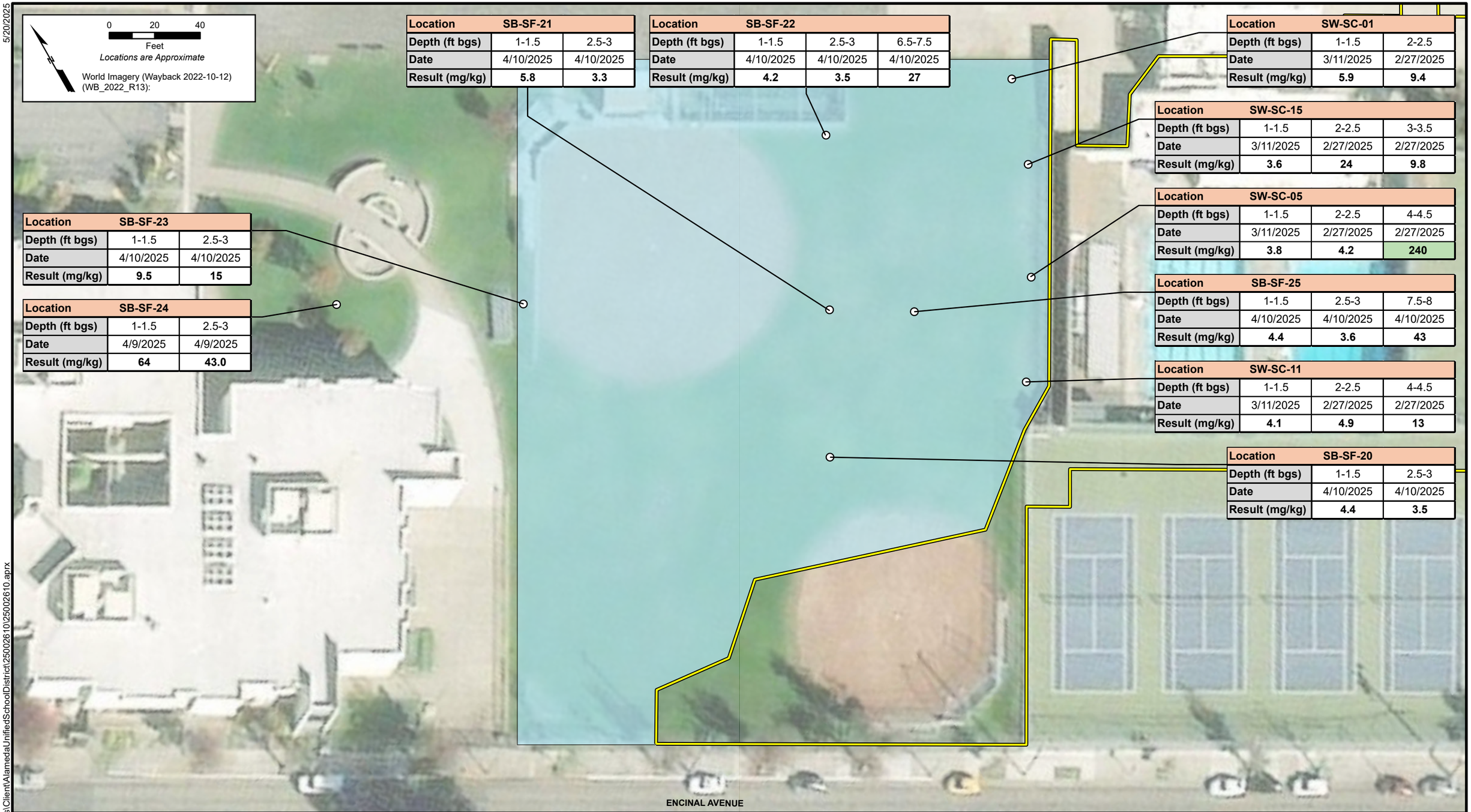
NEW TENNIS COURT LEAD RESULTS: SOIL

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
10

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5/20/2025



Location	SB-SF-21	
Depth (ft bgs)	1-1.5	2.5-3
Date	4/10/2025	4/10/2025
Result (mg/kg)	**5.8**	**3.3**

Location	SB-SF-22		
Depth (ft bgs)	1-1.5	2.5-3	6.5-7.5
Date	4/10/2025	4/10/2025	4/10/2025
Result (mg/kg)	**4.2**	**3.5**	**27**

Location	SW-SC-01	
Depth (ft bgs)	1-1.5	2-2.5
Date	3/11/2025	2/27/2025
Result (mg/kg)	**5.9**	**9.4**

Location	SW-SC-15		
Depth (ft bgs)	1-1.5	2-2.5	3-3.5
Date	3/11/2025	2/27/2025	2/27/2025
Result (mg/kg)	**3.6**	**24**	**9.8**

Location	SB-SF-23	
Depth (ft bgs)	1-1.5	2.5-3
Date	4/10/2025	4/10/2025
Result (mg/kg)	**9.5**	**15**

Location	SW-SC-05		
Depth (ft bgs)	1-1.5	2-2.5	4-4.5
Date	3/11/2025	2/27/2025	2/27/2025
Result (mg/kg)	**3.8**	**4.2**	**240**

Location	SB-SF-24	
Depth (ft bgs)	1-1.5	2.5-3
Date	4/9/2025	4/9/2025
Result (mg/kg)	**64**	**43.0**

Location	SB-SF-25		
Depth (ft bgs)	1-1.5	2.5-3	7.5-8
Date	4/10/2025	4/10/2025	4/10/2025
Result (mg/kg)	**4.4**	**3.6**	**43**

Location	SW-SC-11		
Depth (ft bgs)	1-1.5	2-2.5	4-4.5
Date	3/11/2025	2/27/2025	2/27/2025
Result (mg/kg)	**4.1**	**4.9**	**13**

Location	SB-SF-20	
Depth (ft bgs)	1-1.5	2.5-3
Date	4/10/2025	4/10/2025
Result (mg/kg)	**4.4**	**3.5**

Explanation

- Investigation Location Analyzed for Lead in Soil
- Softball Field
- Swim Center Project Boundary

Notes:
Green highlight - Result exceeds SFBRWQCB Construction Worker Soil ESL of 160 mg/kg for lead.
SFBRWQCB - San Francisco Bay Regional Water Quality Control Board
ESL - SFBRWQCB Environmental Screening Level
mg/kg - milligrams per kilogram
Explorations SW-SC-01, SW-SC-05, SW-SC-11, SW-SC-15 were drilled and sampled during the initial site characterization event on February 27 and March 11, 2025.

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SOFTBALL FIELD
LEAD RESULTS: SOIL

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
11

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5/20/2025

0 15 30
Feet
Locations are Approximate

World Imagery (Wayback 2022-10-12)
(WB_2022_R13):

Location	SB-ET-01	
Depth (ft bgs)	1-1.5	5.5-6
Date	4/9/2025	4/9/2025
Result (mg/kg)	**34**	**4.1**

Location	SB-ET-02	
Depth (ft bgs)	1-1.5	4.5-5
Date	4/9/2025	4/9/2025
Result (mg/kg)	**15**	**2.6**

Location	SB-ET-03	
Depth (ft bgs)	1-1.5	4.5-5
Date	4/9/2025	4/9/2025
Result (mg/kg)	**4.0**	**2.8**

Location	SB-ET-04	
Depth (ft bgs)	1-1.5	5.5-6
Date	4/9/2025	4/9/2025
Result (mg/kg)	**32**	**3.0**

OAK STREET

ALAMEDA AVENUE

Explanation

- Investigation Location Analyzed for Lead in Soil
- Electrical Connection Alignment
- Swim Center Project Boundary

Note:
mg/kg - milligrams per kilogram

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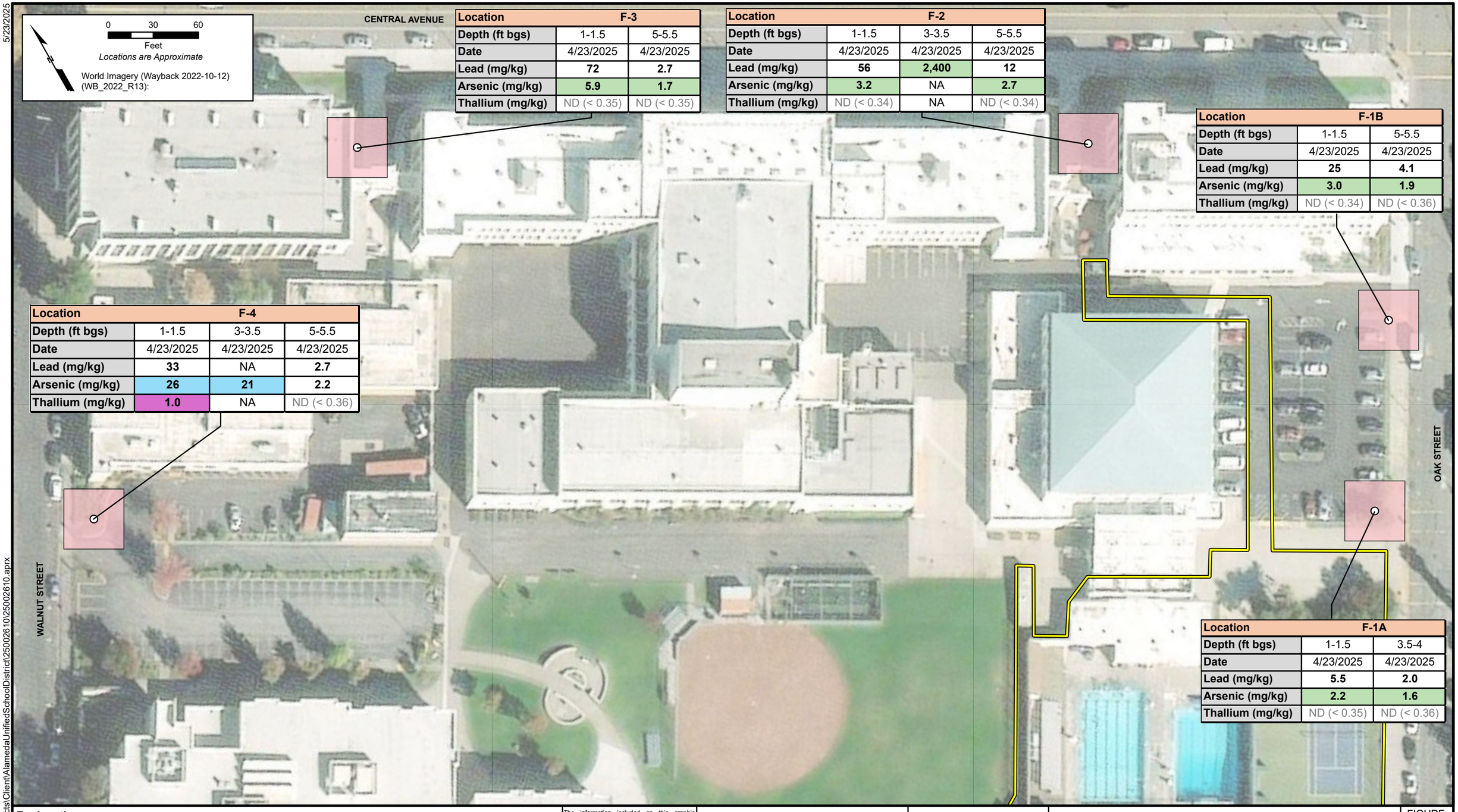
ELECTRICAL CONNECTION LEAD RESULTS: SOIL

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
12

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5/23/2025



Location	F-3	
Depth (ft bgs)	1-1.5	5-5.5
Date	4/23/2025	4/23/2025
Lead (mg/kg)	**72**	**2.7**
Arsenic (mg/kg)	**5.9**	**1.7**
Thallium (mg/kg)	ND (< 0.35)	ND (< 0.35)

Location	F-2		
Depth (ft bgs)	1-1.5	3-3.5	5-5.5
Date	4/23/2025	4/23/2025	4/23/2025
Lead (mg/kg)	**56**	**2,400**	**12**
Arsenic (mg/kg)	**3.2**	NA	**2.7**
Thallium (mg/kg)	ND (< 0.34)	NA	ND (< 0.34)

Location	F-1B	
Depth (ft bgs)	1-1.5	5-5.5
Date	4/23/2025	4/23/2025
Lead (mg/kg)	**25**	**4.1**
Arsenic (mg/kg)	**3.0**	**1.9**
Thallium (mg/kg)	ND (< 0.34)	ND (< 0.36)

Location	F-4		
Depth (ft bgs)	1-1.5	3-3.5	5-5.5
Date	4/23/2025	4/23/2025	4/23/2025
Lead (mg/kg)	**33**	NA	**2.7**
Arsenic (mg/kg)	**26**	**21**	**2.2**
Thallium (mg/kg)	**1.0**	NA	ND (< 0.36)

Location	F-1A	
Depth (ft bgs)	1-1.5	3.5-4
Date	4/23/2025	4/23/2025
Lead (mg/kg)	**5.5**	**2.0**
Arsenic (mg/kg)	**2.2**	**1.6**
Thallium (mg/kg)	ND (< 0.35)	ND (< 0.36)

Explanation

- Investigation Location Analyzed for Lead, Arsenic, Thallium in Soil
- Campus Fencing
- Swim Center Project Boundary

Notes:
Magenta highlight - Result exceeds SFBRWQCB Residential Soil ESL of 80 mg/kg for lead, 0.067 mg/kg for arsenic, 0.78 for thallium mg/kg.
Green highlight - Result exceeds SFBRWQCB Construction Worker Soil ESL of 160 mg/kg for lead, 0.98 mg/kg for arsenic, 3.5 mg/kg for thallium.
Blue highlight - Result exceeds Duverge Arsenic Background Level for Soil of 11 mg/kg for arsenic.
SFBRWQCB - San Francisco Bay Regional Water Quality Control Board
ESL - SFBRWQCB Environmental Screening Level
mg/kg - milligrams per kilogram

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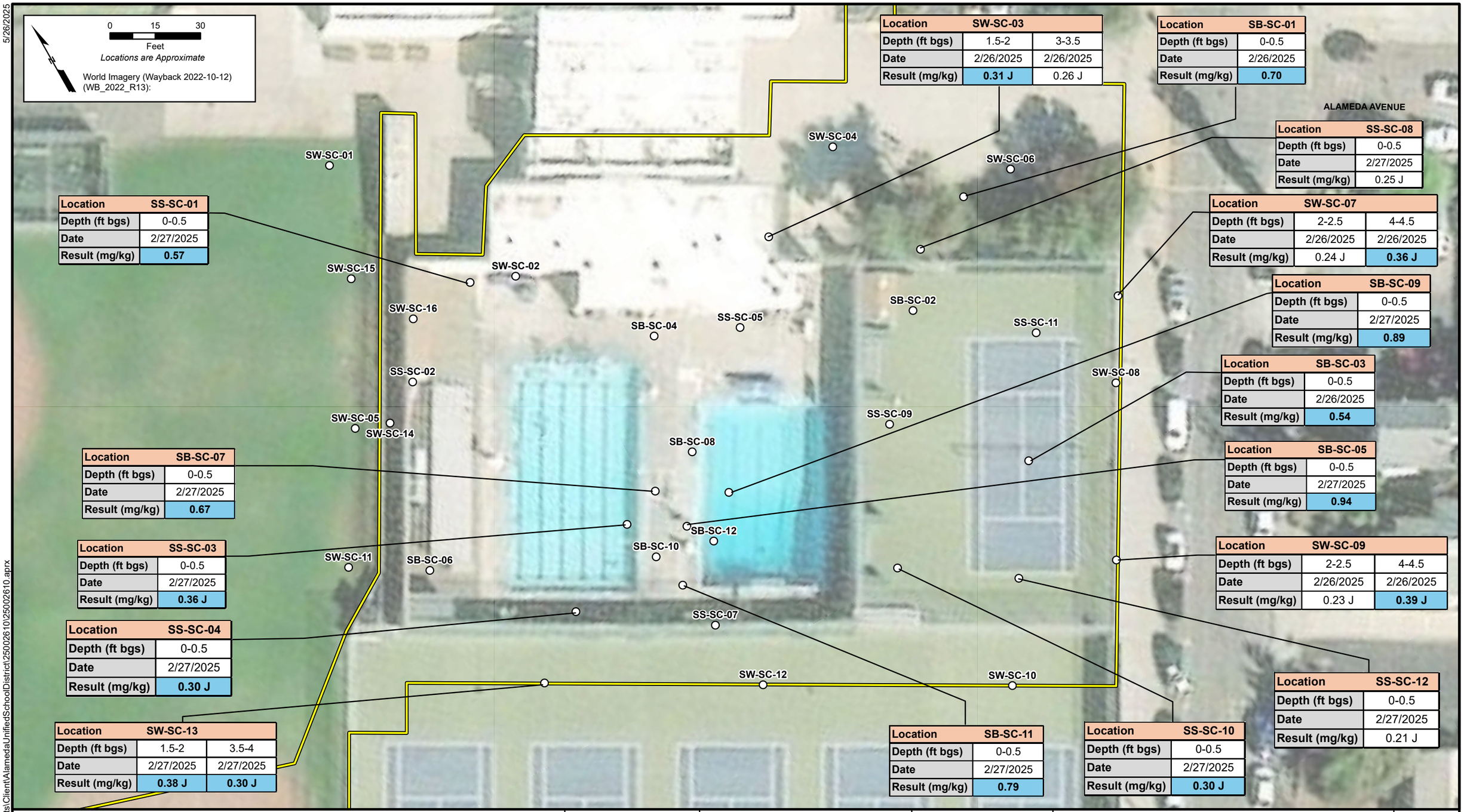
CAMPUS FENCING – LEAD, ARSENIC, AND THALLIUM RESULTS: SOIL

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
13

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5/26/2025



Location	SW-SC-03	
Depth (ft bgs)	1.5-2	3-3.5
Date	2/26/2025	2/26/2025
Result (mg/kg)	**0.31 J**	0.26 J

Location	SB-SC-01
Depth (ft bgs)	0-0.5
Date	2/26/2025
Result (mg/kg)	**0.70**

Location	SS-SC-08
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	0.25 J

Location	SS-SC-01
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**0.57**

Location	SW-SC-07	
Depth (ft bgs)	2-2.5	4-4.5
Date	2/26/2025	2/26/2025
Result (mg/kg)	0.24 J	**0.36 J**

Location	SB-SC-09
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**0.89**

Location	SB-SC-03
Depth (ft bgs)	0-0.5
Date	2/26/2025
Result (mg/kg)	**0.54**

Location	SB-SC-05
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**0.94**

Location	SB-SC-07
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**0.67**

Location	SS-SC-03
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**0.36 J**

Location	SW-SC-09	
Depth (ft bgs)	2-2.5	4-4.5
Date	2/26/2025	2/26/2025
Result (mg/kg)	0.23 J	**0.39 J**

Location	SS-SC-04
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**0.30 J**

Location	SS-SC-12
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	0.21 J

Location	SW-SC-13	
Depth (ft bgs)	1.5-2	3.5-4
Date	2/27/2025	2/27/2025
Result (mg/kg)	**0.38 J**	**0.30 J**

Location	SB-SC-11
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**0.79**

Location	SS-SC-10
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**0.30 J**

Explanation

- Investigation Location Analyzed for Hexavalent Chromium in Soil
- Swim Center Project Boundary

Notes:
Blue highlight - Result exceeds SFBRWQCB Residential Soil ESL of 0.3 mg/kg for Chromium VI.
ESL - SFBRWQCB Environmental Screening Level
mg/kg - milligrams per kilogram
ft bgs - feet below ground surface
SB-SC locations at the low point of the Swim Center (SB-SC-07 through SB-SC-12) were planned to include deeper samples; the deeper samples were not collected due to surface water ponding and saturated conditions.

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SWIM CENTER
HEXAVALENT CHROMIUM RESULTS: SOIL

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
14

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5/26/2025

0 20 40
Feet
Locations are Approximate

World Imagery (Wayback 2022-10-12)
(WB_2022_R13):

Location	SB-SF-21	
Depth (ft bgs)	1-1.5	2.5-3
Date	4/10/2025	4/10/2025
Result (mg/kg)	**0.35 J**	**0.34 J**

Location	SB-SF-22		
Depth (ft bgs)	1-1.5	2.5-3	6.5-7.5
Date	4/10/2025	4/10/2025	4/10/2025
Result (mg/kg)	0.26 J	**0.30 J**	**0.39 BJ**

Location	SW-SC-01
Depth (ft bgs)	2-2.5
Date	3/11/2025
Result (mg/kg)	0.14 J

Location	SW-SC-15	
Depth (ft bgs)	2-2.5	3-3.5
Date	2/27/2025	2/27/2025
Result (mg/kg)	**0.35 J**	0.26 J

Location	SB-SF-23	
Depth (ft bgs)	1-1.5	2.5-3
Date	4/10/2025	4/10/2025
Result (mg/kg)	**0.39 J**	**0.42 J**

Location	SW-SC-05	
Depth (ft bgs)	2-2.5	4-4.5
Date	2/27/2025	2/27/2025
Result (mg/kg)	0.23 J	**0.54**

Location	SB-SF-24	
Depth (ft bgs)	1-1.5	2.5-3
Date	4/9/2025	4/9/2025
Result (mg/kg)	**0.60**	**0.44**

Location	SB-SF-25		
Depth (ft bgs)	1-1.5	2.5-3	7.5-8
Date	4/10/2025	4/10/2025	4/10/2025
Result (mg/kg)	**0.33 J**	0.27 J	**0.35 BJ**

Location	SW-SC-11	
Depth (ft bgs)	2-2.5	4-4.5
Date	2/27/2025	2/27/2025
Result (mg/kg)	**0.34 J**	**0.47 J**

Location	SB-SF-20	
Depth (ft bgs)	1-1.5	2.5-3
Date	4/10/2025	4/10/2025
Result (mg/kg)	**0.46**	0.23 J

ENCINAL AVENUE

Explanation

- Investigation Location Analyzed for Hexavalent Chromium in Soil
- Softball Field
- Swim Center Project Boundary

Notes:
Blue highlight - Result exceeds SFBRWQCB Residential Soil ESL of 0.3 mg/kg for Chromium VI.
ESL - SFBRWQCB Environmental Screening Level
mg/kg - milligrams per kilogram
ft bgs - feet below ground surface
Explorations SW-SC-01, SW-SC-05, SW-SC-11, SW-SC-15 were drilled and sampled during the initial site characterization event on February 27 and March 11, 2025.

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SOFTBALL FIELD
HEXAVALENT CHROMIUM RESULTS: SOIL

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
15

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5/26/2025

0 15 30
Feet
Locations are Approximate

World Imagery (Wayback 2022-10-12) (WB_2022_R13):

Location	SB-TC-01
Depth (ft bgs)	0.5-1
Date	2/26/2025
Result (mg/kg)	**0.55**

Location	SB-TC-05
Depth (ft bgs)	0-0.5
Date	2/26/2025
Result (mg/kg)	**0.68**

SB-TC-02

ENCINAL AVENUE

Location	SB-TC-03
Depth (ft bgs)	0.5-1
Date	2/26/2025
Result (mg/kg)	**0.50**

Location	SB-TC-04
Depth (ft bgs)	0.5-1
Date	2/26/2025
Result (mg/kg)	**0.78**

Explanation

- Investigation Location Analyzed for Hexavalent Chromium in Soil
- New Tennis Court Construction Area
- Swim Center Project Boundary

Notes:
Blue highlight - Result exceeds SFBRWQCB Residential Soil ESL of 0.3 mg/kg for Chromium VI.
ESL - SFBRWQCB Environmental Screening Level
mg/kg - milligrams per kilogram
ft bgs - feet below ground surface

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NEW TENNIS COURT HEXAVALENT CHROMIUM RESULTS: SOIL

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
16

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5/27/2025

0 50 100
Feet
Locations are Approximate

World Imagery (Wayback 2022-10-12) (WB_2022_R13):

Location	F-3	
Depth (ft bgs)	1-1.5	5-5.5
Date	4/23/2025	4/23/2025
TPH-DRO (mg/kg)	ND (< 3.7)	ND (< 3.6)
TPH-ORO (mg/kg)	**63**	ND (< 3.6)

Location	SW-SC-02
Depth (ft bgs)	2-2.5
Date	2/26/2025
TPH-DRO (mg/kg)	**160**
TPH-ORO (mg/kg)	**280**

Location	SB-ET-01	
Depth (ft bgs)	1-1.5	5.5-6
Date	4/9/2025	4/9/2025
TPH-DRO (mg/kg)	**340**	ND (< 3.7)
TPH-ORO (mg/kg)	**1,500**	ND (< 3.7)

Location	SB-ET-02	
Depth (ft bgs)	1-1.5	4.5-5
Date	4/9/2025	4/9/2025
TPH-DRO (mg/kg)	**270**	ND (< 3.7)
TPH-ORO (mg/kg)	**1,200**	ND (< 3.7)

Location	SB-ET-03	
Depth (ft bgs)	1-1.5	4.5-5
Date	4/9/2025	4/9/2025
TPH-DRO (mg/kg)	**19**	ND (< 3.8)
TPH-ORO (mg/kg)	**99**	ND (< 3.8)

Location	SS-SC-01
Depth (ft bgs)	0-0.5
Date	2/27/2025
TPH-DRO (mg/kg)	**33**
TPH-ORO (mg/kg)	ND (< 3.9)

Location	SB-SF-22		
Depth (ft bgs)	1-1.5	2.5-3	6.5-7.5
Date	4/10/2025	4/10/2025	4/10/2025
TPH-DRO (mg/kg)	ND (< 3.9)	ND (< 3.9)	**54**
TPH-ORO (mg/kg)	ND (< 3.9)	ND (< 3.9)	**200**

Location	SB-SF-25		
Depth (ft bgs)	1-1.5	2.5-3	7.5-8
Date	4/10/2025	4/10/2025	4/10/2025
TPH-DRO (mg/kg)	ND (< 3.8)	ND (< 3.8)	**280**
TPH-ORO (mg/kg)	ND (< 3.8)	ND (< 3.8)	**610**

Location	SB-SF-23	
Depth (ft bgs)	1-1.5	2.5-3
Date	4/10/2025	4/10/2025
TPH-DRO (mg/kg)	ND (< 3.9)	**100**
TPH-ORO (mg/kg)	ND (< 3.9)	**200**

Location	SB-SF-24	
Depth (ft bgs)	1-1.5	2.5-3
Date	4/9/2025	4/9/2025
TPH-DRO (mg/kg)	**48**	ND (< 3.9)
TPH-ORO (mg/kg)	**160**	ND (< 3.9)

Location	SB-TC-01		
Depth (ft bgs)	0.5-1	4-4.5	4.5-5
Date	2/26/2025	2/26/2025	2/26/2025
TPH-DRO (mg/kg)	ND (< 4.1)	**240**	ND (< 4)
TPH-ORO (mg/kg)	ND (< 4.1)	ND (< 80)	ND (< 4)

Location	SB-TC-02		
Depth (ft bgs)	0.5-1	4.5-5	9.5-10
Date	2/26/2025	2/26/2025	2/26/2025
TPH-DRO (mg/kg)	**24**	**15**	ND (< 4.3)
TPH-ORO (mg/kg)	ND (< 4)	ND (< 4.1)	ND (< 4.3)

Location	F-1B	
Depth (ft bgs)	1-1.5	5-5.5
Date	4/23/2025	4/23/2025
TPH-DRO (mg/kg)	ND (< 3.7)	ND (< 3.7)
TPH-ORO (mg/kg)	**36**	ND (< 3.7)

Location	SB-ET-04	
Depth (ft bgs)	1-1.5	5.5-6
Date	4/9/2025	4/9/2025
TPH-DRO (mg/kg)	**45**	ND (< 3.8)
TPH-ORO (mg/kg)	**160**	ND (< 3.8)

Location	F-1A	
Depth (ft bgs)	1-1.5	3.5-4
Date	4/23/2025	4/23/2025
TPH-DRO (mg/kg)	**14**	ND (< 3.7)
TPH-ORO (mg/kg)	**89**	ND (< 3.7)

Location	SS-SC-11		
Depth (ft bgs)	0-0.5	4.5-5	9.5-10
Date	2/27/2025	2/27/2025	2/27/2025
TPH-DRO (mg/kg)	**360**	ND (< 4.3)	ND (< 4.5)
TPH-ORO (mg/kg)	ND (< 3.9)	ND (< 4.3)	ND (< 4.5)

Location	SB-TC-04	
Depth (ft bgs)	0.5-1	4.5-5
Date	2/26/2025	2/26/2025
TPH-DRO (mg/kg)	**55**	ND (< 4.2)
TPH-ORO (mg/kg)	ND (< 20)	ND (< 4.2)

Location	SB-TC-05		
Depth (ft bgs)	0.5-1	1.5-2	4.5-5
Date	2/26/2025	2/26/2025	2/26/2025
TPH-DRO (mg/kg)	**16**	ND (< 4.1)	ND (< 4.7)
TPH-ORO (mg/kg)	**66**	ND (< 4.1)	ND (< 4.7)

Location	SB-SC-06	
Depth (ft bgs)	4.5-5	9.5-10
Date	2/27/2025	2/27/2025
TPH-DRO (mg/kg)	**45**	ND (< 4.3)
TPH-ORO (mg/kg)	ND (< 4.3)	ND (< 4.3)

Location	SS-SC-03
Depth (ft bgs)	0-0.5
Date	2/27/2025
TPH-DRO (mg/kg)	**97**
TPH-ORO (mg/kg)	ND (< 4.3)

CENTRAL AVENUE
WALNUT STREET
OAK STREET
ALAMEDA AVENUE
F-2
F-4
SW-SC-04
SB-SC-01
SS-SC-08
SW-SC-07
SW-SC-16
SS-SC-05
SB-SC-02
SW-SC-08
SB-SC-04
SW-SC-14
SS-SC-09
SB-SC-03
SB-SF-21
SB-SC-05
SS-SC-07
SB-SF-20
SW-SC-13
SW-SC-10
SB-TC-03

Explanation

- Investigation Location Analyzed for TPH in Soil, results above MDL
- Investigation Location Analyzed for TPH in Soil, results below MDL
- Swim Center Project Boundary

Notes:
TPH-DRO - Total petroleum hydrocarbons, diesel range
TPH-ORO - Total petroleum hydrocarbons, oil range
Blue highlight - Result exceeds SFBRWQCB Residential Soil ESL of 230 mg/kg for TPH-DRO.
SFBRWQCB - San Francisco Bay Regional Water Quality Control Board ESL - SFBRWQCB Environmental Screening Level
mg/kg - milligrams per kilogram
ND (< #) - Analyte not detected at a concentration at or above the MDL.
MDL - Laboratory method detection limit

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FILE NAME:	Char_F17.pagx

SITE-WIDE TPH RESULTS: SOIL

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
17

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5/27/2025

0 15 30
Feet
Locations are Approximate

World Imagery (Wayback 2022-10-12)
(WB_2022_R13):

ALAMEDA AVENUE

OAK STREET

SW-SC-04
SW-SC-06
SB-SC-01
SW-SC-03
SS-SC-08
SS-SC-01
SW-SC-02
SW-SC-07
SW-SC-16
SB-SC-02
SB-SC-04
SS-SC-05
SS-SC-11
SS-SC-15
SS-SC-02
SW-SC-08
SB-SC-19
SW-SC-05
SW-SC-14
SS-SC-13
SB-SC-18
SS-SC-09
SB-SC-08
SB-SC-20
SB-SC-03
SB-SC-14
SB-SC-07
SB-SC-09
SB-SC-13
SS-SC-03
SB-SC-05
SB-SC-12
SB-SC-15
SS-SC-06
SB-SC-10
SW-SC-09
SB-SC-06
SS-SC-10
SS-SC-12
SB-SC-17
SB-SC-11
SS-SC-04
SS-SC-07
SB-SC-16
SS-SC-16
SW-SC-13
SW-SC-12
SW-SC-10

Explanation

- Investigation Location Analyzed for PCBs in Soil
- Swim Center Project Boundary

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SWIM CENTER
TOTAL PCB SAMPLE LOCATIONS

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
18.1

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5/27/2025

0 15 30
Feet
Locations are Approximate

World Imagery (Wayback 2022-10-12)
(WB_2022_R13):

Location	SB-SC-04		
Depth (ft bgs)	0-0.5	3.5-4	9.5-10
Date	2/27/2025	2/27/2025	2/27/2025
Result (mg/kg)	ND (< 0.046)	ND (< 0.044)	ND (< 0.044)

Location	SB-SC-19	
Depth (ft bgs)	0-0.5	2.5-3
Date	4/4/2025	4/4/2025
Result (mg/kg)	ND (< 0.037)	**0.61**

Location	SB-SC-01	
Depth (ft bgs)	0-0.5	2-2.5
Date	2/26/2025	2/26/2025
Result (mg/kg)	ND (< 0.04)	ND (< 0.043)

Location	SB-SC-02		
Depth (ft bgs)	0-0.5	4.5-5	9.5-10
Date	2/27/2025	2/27/2025	2/27/2025
Result (mg/kg)	ND (< 0.04)	ND (< 0.045)	ND (< 0.044)

Location	SB-SC-08			
Depth (ft bgs)	0-0.5	2-2.5	3-3.5	4.5-5
Date	2/27/2025	3/25/2025	3/25/2025	4/4/2025
Result (mg/kg)	**0.66**	**0.45**	0.2	ND (< 0.037)

Location	SB-SC-20	
Depth (ft bgs)	0-0.5	2.5-3
Date	4/4/2025	4/4/2025
Result (mg/kg)	**0.29**	ND (< 0.037)

Location	SB-SC-13		
Depth (ft bgs)	0-0.5	2-2.5	3-3.5
Date	3/25/2025	3/25/2025	3/25/2025
Result (mg/kg)	**0.4**	ND (< 0.04)	ND (< 0.044)

Location	SB-SC-14	
Depth (ft bgs)	0-0.5	2.5-3
Date	4/4/2025	4/4/2025
Result (mg/kg)	ND (< 0.038)	ND (< 0.037)

Location	SB-SC-15	
Depth (ft bgs)	0-0.5	2-2.5
Date	4/4/2025	4/4/2025
Result (mg/kg)	ND (< 0.037)	ND (< 0.037)

Location	SB-SC-06		
Depth (ft bgs)	0-0.5	4.5-5	9.5-10
Date	2/27/2025	2/27/2025	2/27/2025
Result (mg/kg)	**0.22**	ND (< 0.044)	ND (< 0.045)

Location	SB-SC-07
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**0.46**

Location	SB-SC-18	
Depth (ft bgs)	0-0.5	2.5-3
Date	4/4/2025	4/4/2025
Result (mg/kg)	**0.18**	ND (< 0.037)

Location	SB-SC-03	
Depth (ft bgs)	0-0.5	4.5-5
Date	2/26/2025	2/26/2025
Result (mg/kg)	ND (< 0.04)	ND (< 0.039)

Location	SB-SC-09
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**0.35**

Location	SB-SC-05	
Depth (ft bgs)	0-0.5	4-4.5
Date	2/27/2025	2/27/2025
Result (mg/kg)	**0.2**	ND (< 0.046)

Location	SB-SC-16	
Depth (ft bgs)	0-0.5	2-2.5
Date	4/4/2025	4/4/2025
Result (mg/kg)	ND (< 0.037)	ND (< 0.038)

Location	SB-SC-17	
Depth (ft bgs)	0-0.5	2.5-3
Date	4/4/2025	4/4/2025
Result (mg/kg)	**0.26**	ND (< 0.037)

Location	SB-SC-11
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	ND (< 0.045)

Location	SB-SC-10
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**0.24**

Location	SB-SC-12
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	**0.31**

ALAMEDA AVENUE
OAK STREET
SW-SC-04
SW-SC-06
SW-SC-03
SS-SC-08
SS-SC-01
SW-SC-02
SW-SC-16
SS-SC-05
SW-SC-07
SS-SC-11
SS-SC-15
SS-SC-02
SW-SC-08
SW-SC-14
SS-SC-09
SS-SC-13
SS-SC-03
SS-SC-06
SS-SC-10
SW-SC-09
SS-SC-12
SS-SC-04
SS-SC-07
SS-SC-16
SW-SC-13
SW-SC-12
SW-SC-10

Explanation

Investigation Location Analyzed for PCBs in Soil

Swim Center Project Boundary

Notes:
PCBs - polychlorinated biphenyls
Blue highlight - Result exceeds SFBRWQCB Residential Soil ESL of 0.23 mg/kg for total PCBs.
SFBRWQCB - San Francisco Bay Regional Water Quality Control Board
ESL - SFBRWQCB Environmental Screening Level
mg/kg - milligrams per kilogram
ND (< #) - Analyte not detected at a concentration at or above the laboratory reporting limit.
SB-SC locations at the low point of the Swim Center (SB-SC-07 through SB-SC-12) were planned to include deeper samples; the deeper samples were not collected due to surface water ponding and saturated conditions.

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CHECKED BY:	H. PERRY
FILE NAME:	Char_F18.2.pagx

TOTAL PCB SAMPLE RESULTS: SOIL - SB LOCATIONS

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
18.2

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5/27/2025

0 15 30
Feet
Locations are Approximate

World Imagery (Wayback 2022-10-12)
(WB_2022_R13):

Location	SS-SC-05
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	ND (< 0.048)

Location	SS-SC-15
Depth (ft bgs)	0-0.5
Date	3/11/2025
Result (mg/kg)	ND (< 0.04)

Location	SS-SC-08		
Depth (ft bgs)	0-0.5	4.5-5	9.5-10
Date	2/27/2025	2/27/2025	2/27/2025
Result (mg/kg)	ND (< 0.044)	ND (< 0.045)	ND (< 0.046)

ALAMEDA AVENUE

Location	SS-SC-01
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	ND (< 0.039)

Location	SS-SC-02
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	ND (< 0.04)

Location	SS-SC-13
Depth (ft bgs)	0-0.5
Date	3/11/2025
Result (mg/kg)	ND (< 0.039)

Location	SS-SC-03		
Depth (ft bgs)	0-0.5	2-2.5	3-3.5
Date	2/27/2025	3/25/2025	3/25/2025
Result (mg/kg)	**0.38**	ND (< 0.042)	ND (< 0.041)

Location	SS-SC-04
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	ND (< 0.042)

Location	SS-SC-16
Depth (ft bgs)	0-0.5
Date	3/11/2025
Result (mg/kg)	ND (< 0.039)

Location	SS-SC-11		
Depth (ft bgs)	0-0.5	4.5-5	9.5-10
Date	2/27/2025	2/27/2025	2/27/2025
Result (mg/kg)	ND (< 0.039)	ND (< 0.045)	ND (< 0.045)

Location	SS-SC-09
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	ND (< 0.085)

Location	SS-SC-07
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	ND (< 0.045)

Location	SS-SC-06
Depth (ft bgs)	0-0.5
Date	3/11/2025
Result (mg/kg)	ND (< 0.044)

Location	SS-SC-10
Depth (ft bgs)	0-0.5
Date	2/27/2025
Result (mg/kg)	ND (< 0.039)

Location	SS-SC-12		
Depth (ft bgs)	0-0.5	2-2.5	3-3.5
Date	2/27/2025	3/25/2025	3/25/2025
Result (mg/kg)	ND (< 0.04)	ND (< 0.041)	ND (< 0.04)

SW-SC-04, SW-SC-06, SB-SC-01, SW-SC-03, SW-SC-02, SW-SC-16, SB-SC-04, SB-SC-02, SW-SC-07, SW-SC-08, SB-SC-19, SW-SC-14, SB-SC-18, SB-SC-08, SB-SC-20, SB-SC-03, SB-SC-14, SB-SC-13, SB-SC-07, SB-SC-09, SB-SC-05, SB-SC-12, SB-SC-15, SB-SC-10, SW-SC-09, SB-SC-06, SW-SC-17, SB-SC-11, SB-SC-16, SW-SC-13, SW-SC-12, SW-SC-10

Explanation

- Investigation Location Analyzed for PCBs in Soil
- Swim Center Project Boundary

Notes:
PCBs - polychlorinated biphenyls
Blue highlight - Result exceeds SFBRWQCB Residential Soil ESL of 0.23 mg/kg for total PCBs.
SFBRWQCB - San Francisco Bay Regional Water Quality Control Board
ESL - SFBRWQCB Environmental Screening Level
mg/kg - milligrams per kilogram
ND (< #) - Analyte not detected at a concentration at or above the laboratory reporting limit.

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PROJECT:	25002610.001A
DRAWN:	MAY 2025
DRAWN BY:	K. HAGAN
CHECKED BY:	H. PERRY
FILE NAME:	Char_F18.3.pagx

TOTAL PCB SAMPLE RESULTS: SOIL - SS LOCATIONS

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
18.3

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5/27/2025

0 15 30
Feet
Locations are Approximate

World Imagery (Wayback 2022-10-12) (WB_2022_R13):

Location	SW-SC-02	
Depth (ft bgs)	2-2.5	4-4.5
Date	2/26/2025	2/26/2025
Result (mg/kg)	ND (< 0.039)	ND (< 0.041)

Location	SW-SC-03	
Depth (ft bgs)	1.5-2	3-3.5
Date	2/26/2025	2/26/2025
Result (mg/kg)	ND (< 0.04)	ND (< 0.04)

Location	SW-SC-04	
Depth (ft bgs)	1.5-2	3.5-4
Date	2/26/2025	2/26/2025
Result (mg/kg)	ND (< 0.039)	ND (< 0.041)

Location	SW-SC-06	
Depth (ft bgs)	1-1.5	3.5-4
Date	2/26/2025	2/26/2025
Result (mg/kg)	ND (< 0.039)	ND (< 0.039)

Location	SW-SC-16	
Depth (ft bgs)	2-2.5	4-4.5
Date	2/27/2025	2/27/2025
Result (mg/kg)	ND (< 0.045)	ND (< 0.048)

Location	SW-SC-14	
Depth (ft bgs)	2-2.5	4-4.5
Date	2/27/2025	2/27/2025
Result (mg/kg)	ND (< 0.046)	ND (< 0.042)

Location	SW-SC-07	
Depth (ft bgs)	2-2.5	4-4.5
Date	2/26/2025	2/26/2025
Result (mg/kg)	ND (< 0.04)	ND (< 0.044)

Location	SW-SC-08	
Depth (ft bgs)	2-2.5	4-4.5
Date	2/26/2025	2/26/2025
Result (mg/kg)	ND (< 0.041)	ND (< 0.045)

Location	SW-SC-09	
Depth (ft bgs)	2-2.5	4-4.5
Date	2/26/2025	2/26/2025
Result (mg/kg)	ND (< 0.04)	ND (< 0.044)

Location	SW-SC-13	
Depth (ft bgs)	1.5-2	3.5-4
Date	2/27/2025	2/27/2025
Result (mg/kg)	ND (< 0.04)	ND (< 0.043)

Location	SW-SC-12	
Depth (ft bgs)	1.5-2	3.5-4
Date	2/27/2025	2/27/2025
Result (mg/kg)	ND (< 0.041)	ND (< 0.042)

Location	SW-SC-10	
Depth (ft bgs)	1.5-2	3.5-4
Date	2/26/2025	2/26/2025
Result (mg/kg)	ND (< 0.041)	ND (< 0.041)

ALAMEDA AVENUE

OAK STREET

SB-SC-01, SS-SC-08, SS-SC-01, SB-SC-02, SB-SC-04, SS-SC-05, SS-SC-11, SS-SC-15, SS-SC-02, SB-SC-19, SS-SC-09, SB-SC-18, SS-SC-13, SB-SC-08, SB-SC-03, SB-SC-20, SB-SC-14, SB-SC-07, SB-SC-09, SB-SC-13, SS-SC-03, SB-SC-05, SB-SC-12, SS-SC-06, SB-SC-15, SB-SC-10, SS-SC-10, SB-SC-06, SS-SC-12, SB-SC-17, SB-SC-11, SS-SC-04, SS-SC-07, SB-SC-16 ⊃ SS-SC-16

Explanation

- Investigation Location Analyzed for PCBs in Soil
- Swim Center Project Boundary

Notes:
PCBs - polychlorinated biphenyls
mg/kg - milligrams per kilogram
ND (< #) - Analyte not detected at a concentration at or above the laboratory reporting limit.

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PROJECT:	25002610.001A
DRAWN:	MAY 2025
DRAWN BY:	K. HAGAN
CHECKED BY:	H. PERRY
FILE NAME:	Char_F18.4.pagx

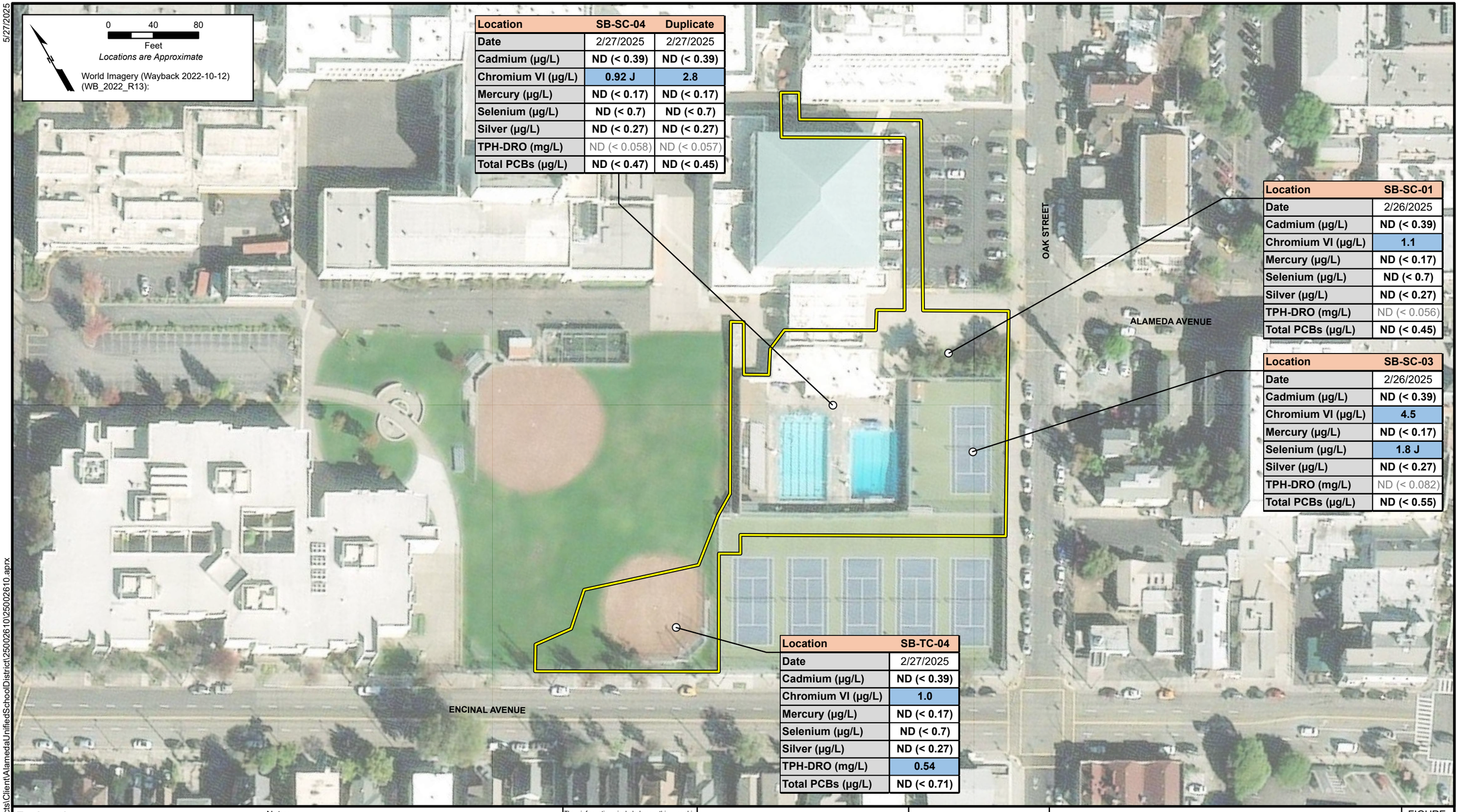
TOTAL PCB SAMPLE RESULTS: SOIL - SW LOCATIONS

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

FIGURE
18.4

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5/27/2025



Location	SB-SC-04	Duplicate
Date	2/27/2025	2/27/2025
Cadmium (µg/L)	ND (< 0.39)	ND (< 0.39)
Chromium VI (µg/L)	0.92 J	2.8
Mercury (µg/L)	ND (< 0.17)	ND (< 0.17)
Selenium (µg/L)	ND (< 0.7)	ND (< 0.7)
Silver (µg/L)	ND (< 0.27)	ND (< 0.27)
TPH-DRO (mg/L)	ND (< 0.058)	ND (< 0.057)
Total PCBs (µg/L)	ND (< 0.47)	ND (< 0.45)

Location	SB-SC-01
Date	2/26/2025
Cadmium (µg/L)	ND (< 0.39)
Chromium VI (µg/L)	1.1
Mercury (µg/L)	ND (< 0.17)
Selenium (µg/L)	ND (< 0.7)
Silver (µg/L)	ND (< 0.27)
TPH-DRO (mg/L)	ND (< 0.056)
Total PCBs (µg/L)	ND (< 0.45)

Location	SB-SC-03
Date	2/26/2025
Cadmium (µg/L)	ND (< 0.39)
Chromium VI (µg/L)	4.5
Mercury (µg/L)	ND (< 0.17)
Selenium (µg/L)	1.8 J
Silver (µg/L)	ND (< 0.27)
TPH-DRO (mg/L)	ND (< 0.082)
Total PCBs (µg/L)	ND (< 0.55)

Location	SB-TC-04
Date	2/27/2025
Cadmium (µg/L)	ND (< 0.39)
Chromium VI (µg/L)	1.0
Mercury (µg/L)	ND (< 0.17)
Selenium (µg/L)	ND (< 0.7)
Silver (µg/L)	ND (< 0.27)
TPH-DRO (mg/L)	0.54
Total PCBs (µg/L)	ND (< 0.71)

Explanation

- Investigation Location Sampled for Groundwater
- Swim Center Project Boundary

Notes:
Blue highlight - Result exceeds SFBRWQCB ESL for Tier 1 Groundwater.
SFBRWQCB - San Francisco Bay Regional Water Quality Control Board
ESL - SFBRWQCB Environmental Screening Level
µg/L - micrograms per liter
mg/kg - milligrams per liter
ND (< #) - Analyte not detected at a concentration at or above the laboratory reporting limit.
Bold ND (< #) - Laboratory reporting limit exceeds the SFBRWQCB ESL for Tier 1 Groundwater.

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DRAWN BY:	K. HAGAN
CHECKED BY:	H. PERRY
FILE NAME:	Char_F19.pagx

GROUNDWATER RESULTS

ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNA

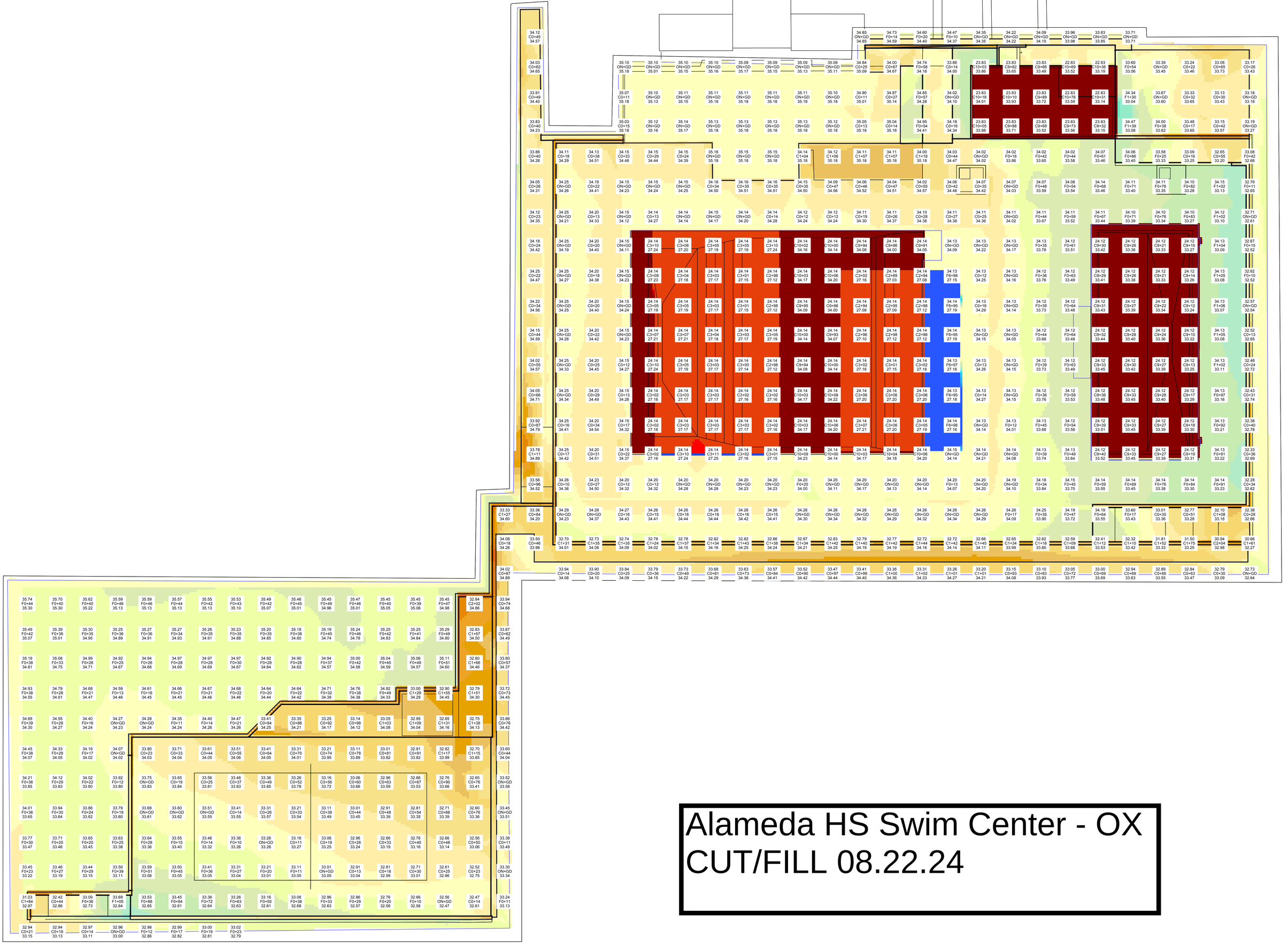
FIGURE
19

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APPENDIX E

ALAMEDA HS SWIM CENTER - OX CUT FILL MAP

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Alameda HS Swim Center - OX
CUT/FILL 08.22.24

APPENDIX F

CLEAN HARBORS WASTE MATERIAL PROFILE SHEET

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WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH2863649

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # ***CAL000159754*** GENERATOR NAME: ***Alameda Unified School District***

GENERATOR CODE (Assigned by Clean Harbors) ***AL45631*** CITY ***Alameda*** STATE/PROVINCE ***CA*** ZIP/POSTAL CODE ***94501***

ADDRESS ***2200 Central Ave.*** PHONE: **(510) 926-5650**

CUSTOMER CODE (Assigned by Clean Harbors) ***DI0631*** CUSTOMER NAME: ***Dirt Shop Inc***

ADDRESS ***1485 Bayshore Blvd MB# 141*** CITY ***San Francisco*** STATE/PROVINCE ***CA*** ZIP/POSTAL CODE ***94124***

B. WASTE DESCRIPTION

WASTE DESCRIPTION: ***Non-RCRA Hazardous Waste, Solid (Soil with Lead)***

PROCESS GENERATING WASTE: **Site grading for new high school athletic facility. Previous use was high school swimming pools and associated out-buildings. No known sources of Lead contamination from site. Lead contamination believed to be from fill soil delivered to the site from unknown location.**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE
- [x] SOLID WITHOUT FREE LIQUID
- [ ] POWDER
- [ ] MONOLITHIC SOLID
- [ ] LIQUID WITH NO SOLIDS
- [ ] LIQUID/SOLID MIXTURE
- [ ] % FREE LIQUID
- [ ] % SETTLED SOLID
- [ ] % TOTAL SUSPENDED SOLID
- [ ] SLUDGE
- [ ] GAS/AEROSOL

NUMBER OF PHASES/LAYERS

1 2 3

% BY VOLUME (Approx.)

TOP ***0.00***

MIDDLE ***0.00***

BOTTOM ***0.00***

VISCOSITY (If liquid present)
- [ ] 1 - 100 (e.g. Water)
- [ ] 101 - 500 (e.g. Motor Oil)
- [ ] 501 - 10,000 (e.g. Molasses)
- [ ] > 10,000

COLOR

Brown to gray

ODOR
- [x] NONE
- [ ] MILD
- [ ] STRONG

Describe:

BOILING POINT °F (°C)
- [ ] <= 95 (<=35)
- [ ] 95 - 100 (35-38)
- [ ] 101 - 129 (38-54)
- [ ] >= 130 (>54)

MELTING POINT °F (°C)
- [ ] < 140 (<60)
- [ ] 140-200 (60-93)
- [x] > 200 (>93)

TOTAL ORGANIC CARBON (%)
- [x] <= 1
- [ ] >1 - <10
- [ ] >= 10

FLASH POINT °F (°C)
- [ ] < 73 (<23)
- [ ] 73 - 100 (23-38)
- [ ] 101 -140 (38-60)
- [ ] 141 -200 (60-93)
- [ ] > 200 (>93)

pH
- [ ] <= 2
- [ ] 2.1 - 6.9
- [ ] 7 (Neutral)
- [x] 7.1 - 12.4
- [ ] >= 12.5

SPECIFIC GRAVITY
- [ ] < 0.8 (e.g. Gasoline)
- [ ] 0.8-1.0 (e.g. Ethanol)
- [ ] 1.0 (e.g. Water)
- [ ] 1.0-1.2 (e.g. Antifreeze)
- [x] > 1.2 (e.g. Methylene Chloride)

ASH
- [ ] < 0.1
- [ ] 0.1 - 1.0
- [ ] 1.1 - 5.0
- [ ] 5.1 - 20.0
- [ ] > 20
- [x] Unknown

BTU/LB (MJ/kg)
- [x] < 2,000 (<4.6)
- [ ] >=2,000-4,999 (>=4.6-11.62)
- [ ] >=5,000-10,000 (>=11.63-23.2)
- [ ] > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
DEBRIS (VEGETATION, TRASH, ETC.)	1.0000000	--	3.0000000	%
GRAVEL 1/4 INCH TO 1/2 INCH	10.0000000	--	30.0000000	%
LEAD (TTLC)	1.0000000	--	1400.0000000	PPM
SOIL	70.0000000	--	90.0000000	%

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES [ ] NO [x]

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [ ] NO [x]

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [ ] NO [x]

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. ***G39*** SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. ***W301***

E. CONSTITUENTS

Are these values based on testing or knowledge? Knowledge ☑ Testing

If constituent concentrations are based on analytical testing, analysis must be provided. Please attach document(s) using the link on the Submit tab.

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				☑
D005	BARIUM	100.0				☑
D006	CADMIUM	1.0				☑
D007	CHROMIUM	5.0				☑
D008	LEAD	5.0	*1.4000*	*1400.0000000*	*PPM*	
D009	MERCURY	0.2				☑
D010	SELENIUM	1.0				☑
D011	SILVER	5.0				☑

	VOLATILE COMPOUNDS	
D018	BENZENE	0.5
D019	CARBON TETRACHLORIDE	0.5
D021	CHLOROBENZENE	100.0
D022	CHLOROFORM	6.0
D028	1,2-DICHLOROETHANE	0.5
D029	1,1-DICHLOROETHYLENE	0.7
D035	METHYL ETHYL KETONE	200.0
D039	TETRACHLOROETHYLENE	0.7
D040	TRICHLOROETHYLENE	0.5
D043	VINYL CHLORIDE	0.2
	SEMI-VOLATILE COMPOUNDS	
D023	o-CRESOL	200.0
D024	m-CRESOL	200.0
D025	p-CRESOL	200.0
D026	CRESOL (TOTAL)	200.0
D027	1,4-DICHLOROBENZENE	7.5
D030	2,4-DINITROTOLUENE	0.13
D032	HEXACHLOROBENZENE	0.13
D033	HEXACHLOROBUTADIENE	0.5
D034	HEXACHLOROETHANE	3.0
D036	NITROBENZENE	2.0
D037	PENTACHLOROPHENOL	100.0
D038	PYRIDINE	5.0
D041	2,4,5-TRICHLOROPHENOL	400.0
D042	2,4,6-TRICHLOROPHENOL	2.0
	PESTICIDES AND HERBICIDES	
D012	ENDRIN	0.02
D013	LINDANE	0.4
D014	METHOXYCHLOR	10.0
D015	TOXAPHENE	0.5
D016	2,4-D	10.0
D017	2,4,5-TP (SILVEX)	1.0
D020	CHLORDANE	0.03
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			☑
CHLORINE			☑
FLUORINE			☑
IODINE			☑
SULFUR			☑
POTASSIUM			☑
SODIUM			☑
AMMONIA			☑
CYANIDE AMENABLE			☑
CYANIDE REACTIVE			☑
CYANIDE TOTAL			☑
SULFIDE REACTIVE			☑

HOCs

NONE
☑ < 1000 PPM
>= 1000 PPM

PCBs

NONE
☑ < 50 PPM
>=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☑ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☑ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES	EXPLOSIVE	FUMING	OSHA REGULATED CARCINOGENS
POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	☑ NONE OF THE ABOVE

F. REGULATORY STATUS

YES ☑ NO USEPA HAZARDOUS WASTE?

☑ YES NO DO ANY STATE WASTE CODES APPLY?

611

Texas Waste Code

YES ☑ NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES ☑ NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY: ***Not subject to LDR***
VARIANCE INFO:

YES ☑ NO IS THIS A UNIVERSAL WASTE?

YES ☑ NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS A VERY SMALL QUANTITY GENERATOR (VSQG) OR A STATE EQUIVALENT DESIGNATION?

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES ☑ NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM PROHIBITED FROM INCINERATION BASED ON THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES ☑ NO IS THIS WASTE STREAM "USED OIL" WHICH IS TO BE MANAGED UNDER 40 CFR PART 279 - STANDARDS FOR THE MANAGEMENT OF USED OIL?

YES ☑ NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES ☑ NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 76.6 KPA (11.1 PSIA)?

YES ☑ NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES ☑ NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

RQ, UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S., (SOIL WITH LEAD), 9, PG III

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY ☑ OTHER ***Daily until gone***

CONTAINERIZED

0-0 CONTAINERS/SHIPMENT

STORAGE CAPACITY:
CONTAINER TYPE:

PORTABLE TOTE TANK BOX|CARTON|CASE

CUBIC YARD BOX DRUM

OTHER:

DRUM SIZE:

BULK LIQUID

GALLONS/SHIPMENT: ***0 Min -0 Max*** GAL.

☑ **BULK SOLID**

SHIPMENT UOM: TON ☑ YARD

TONS/YARDS/SHIPMENT: ***15.00 Min - 18.00 Max***

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

Wear proper PPE. See list of representative samples in "Attachment A to profile CH2863649"

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge.I also certify that any samples submitted are representative of the actual waste.If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE	NAME (PRINT)	TITLE	DATE
Steven Lee	Steven Lee	MOF - Compliance Coordinator - AUSD	

Addendum

D. COMPOSITION

F. REGULATORY STATUS

Attachment A: Sample IDs Included in non-RCRA Profile CH2863649

Sample Date	Sample ID	Lab Report ID	Test Suite
08.20.2024	ACC-SS-1 (a,b,c,d)	2408E69 & 2408E69 A	Full Suite
	ACC-SS-1 (a,b,c,d)	2408E69	discrete VOCs & SVOCs
09.04.2024	TP1-1'	319735 & 320635 & 320636	Lead
	TP1-2'	319735 & 320635 & 320636	Lead
	TP1-3'	319735	Lead
	TP2-1'	319735	Lead
	TP2-2'	319735	Lead
	TP2-3'	319735	Lead
	TP3-1'	319735 & 319830	Lead
	TP3-2'	319735	Lead
	TP3-3'	319735	Lead
	TP4-1'	319735 & 319971	Lead
	TP4-2'	319735	Lead
	TP4-3'	319735 & 319830 & 319831	Lead
09.26.24 - 10.01.24	DV-1(1')	2409271	TPH/PCBs/Lead
	DV-1(3')	2409271	TPH/PCBs/Lead
	DV-2(1')	2409271	TPH/PCBs/Lead
	DV-2(3')	2409271	TPH/PCBs/Lead
	DV-4(1')	2409271	TPH/PCBs/Lead
	DV-4(3')	2409271	TPH/PCBs/Lead
	DV-5(1')	2409271	TPH/PCBs/Lead
	DV-5(3')	2409271	TPH/PCBs/Lead
	DV-7(1')	2409271	TPH/PCBs/Lead
	DV-7(3')	2409271	TPH/PCBs/Lead
	DV-8(1')	2409271	TPH/PCBs/Lead
	DV-8(3')	2409271	TPH/PCBs/Lead
	SP-1(AB)	2409271	TPH/OCP/PCBs/VOCs/SVOCs/PAHs/Metals

APPENDIX G

ALAMEDA HIGH SCHOOL SWIM CENTER MODERNIZATION LOGISTICS PLAN AND NARRATIVE

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SITE LOGISTICS PLANS FOR SOILS MANAGEMENT – NARRATIVE

ALAMEDA HIGH SCHOOL
SWIM CENTER MODERNIZATION
2200 CENTRAL AVENUE
ALAMEDA, CALIFORNIA, 94501
CPS CASE NO. RO0003666
MAY 21, 2025

Introduction: the purpose of this document is to narrate all construction activities and their sequence on each of the eleven sheets in the Site Logistics plans.

SHEET 01 - SOIL COMPACTION & FILL IMPORT
Contingent on ACEHD approval to resume construction, the first activity Alten construction will do is compaction of the site to prepare it for fill import. A geotechnical engineer will observe the compaction is executed per code requirements. At that time, grading subcontractor will import an estimated 6,000 tons of clean import fill material to level the site. This will allow heavy equipment to enter safely since PCB and lead impacted soils will be covered with the import fill material.

SHEET 02 - DEWATERING WELLS
A drilling subcontractor will then install an estimated thirteen dewatering wells throughout the site. The final depth of the wells will be determined upon completion of a drawdown test well. The dewatering wells will be connected to baker tanks which have a filtration system in place before discharge. There will be an estimated four wells which will be faced with impacted soils at time of drilling. For those wells, the subcontractor will follow the necessary measures as listed in the approved Soils Management Plan. The dewatering wells will stay in place for an estimated two months, pending on the results of the drawdown test and actual site conditions.

SHEET 03 - SHORING AND POLE BASES
The drilling subcontractor will proceed to drill light pole bases and scoreboard post bases throughout the site. Once drilled, the bases will receive rebar cages and be filled with concrete. Meanwhile, a shoring subcontractor will bring a crane to install wide flange beams spaced at roughly sixteen feet on center. Once the beams are in place, shoring plates will be inserted between two beams to form the shoring for the pools. The south and west shoring of the competition pool will be within the impacted soils area. The shoring subcontractor will follow the necessary measures as listed in the approved Soils Management Plan.

SHEET 04 - UNDERGROUND UTILITIES
With the shoring in place, electrical and plumbing subcontractors will trench the site accordingly to install underground electrical conduits and water lines per the approved set of plans. A large portion of the water lines inside the competition pool as well as electrical conduits outside the competition pool in the adjacent pool deck will be installed within the impacted soils area. The electrical and plumbing subcontractors will follow the necessary measures as listed in the approved Soils Management Plan.

SHEET 05 - EQUIPMENT BLDG SLAB ON GRADE & POOL SHOTCRETE
Upon completion of the underground utilities, electrical, plumbing, pool and concrete subcontractors will continue work preparations for the pouring of the equipment enclosure slab and the shotcreting of both pools. Carpenters will work on intricate formwork to shape the inside of the pools. Meanwhile, a fencing subcontractor will start installing fencing posts throughout the

site. The fencing posts on the west end of the swim center will be within the impacted soils area and will have to follow the necessary measures as listed in the approved Soils Management Plan.

SHEET 06 - 2ND LIFT OF IMPORT & GRADING FOR POOL DECK
After the slab concrete pour and shotcrete operations are complete, formwork will be removed and backfill will commence. An additional estimated 1,500 tons of clean import fill material will be needed to backfill and level the site in preparation for the pool deck. At this point, it is expected that no other subcontractor will encounter impacted soils. Plumbing, electrical and pool subcontractors will furnish the equipment enclosure room with boilers, pumps, filtration systems and such.

SHEET 07 - POUR POOL DECK (CAP)
Once the site is graded and compacted accordingly, the concrete subcontractor will install the appropriate layers for the concrete pool deck. A typical 10” thick slab reinforced with steel rebar over 4” crushed rock and vapor barrier will be installed over a subgrade approved by the geotechnical engineer. At this time, finishing touches above deck will be installed: scoreboard, musco lights, bleachers, etc.

SHEET 08 – PROJECT COMPLETION
Final touches such as fencing panels, landscaping, doors, signage and paint will be installed, and project closeout procedures will commence. Contingent on ACEHD approval to resume construction on June 6th, 2025, the current projected completion date is March, 2026.

SHEET 09 – TENNIS COURT GRADING
After the initial grading and shoring at the main swim center is completed, the southwest section of the site where a new tennis court will be built begins rough grading, compaction and import of clean fill material. This will allow heavy equipment to enter safely since the impacted soils will be covered.

SHEET 10 - TENNIS COURT FENCING & FLATWORK
Upon completion of grading, the concrete subcontractor will commence work preparations to install the flatwork, which will then receive AC paving for the tennis court. Meanwhile, the fencing subcontractor will install fencing posts throughout the perimeter of the new tennis court. Roughly three fencing posts at the north section of the court will be within the impacted soils area and will have to follow the necessary measures as listed in the approved Soils Management Plan.

SHEET 11 - TENNIS COURT COMPLETION
Once installation of the AC paving is completed, finishing touches such as court striping, fencing panels and signage will be installed. Outside of the tennis court, a landscape subcontractor will install sand-rooted, non-netted grass turf.

2025

Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec

2026

Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec

10" FILL AT IMPACTED AREA

ROUGH GRADE & COMPACTION

Dewatering

Dewatering

LOGISTICS LEGEND

- IMPACTED SOIL
- UNIMPACTED NATIVE SOIL
- CONSTRUCTION FENCE
- PATRON TRAFFIC FLOW
- CONSTRUCTION TRAFFIC FLOW

AUSD ALAMEDA UNIFIED SCHOOL DISTRICT
EXCELLENCE & EQUITY FOR ALL STUDENTS

ALAMEDA HIGH SCHOOL SWIM CENTER

SITE LOGISTICS: SOIL COMPACTION & FILL IMPORT

2025												2026											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec

DEWATERING NEEDS

Dewatering

Dewatering

DW-1

DW-2

DW-3

DW-4

DW-5

DW-6

DW-7

DW-8

DW-9

DW-10

DW-11

DW-12

DW-13

LOGISTICS LEGEND

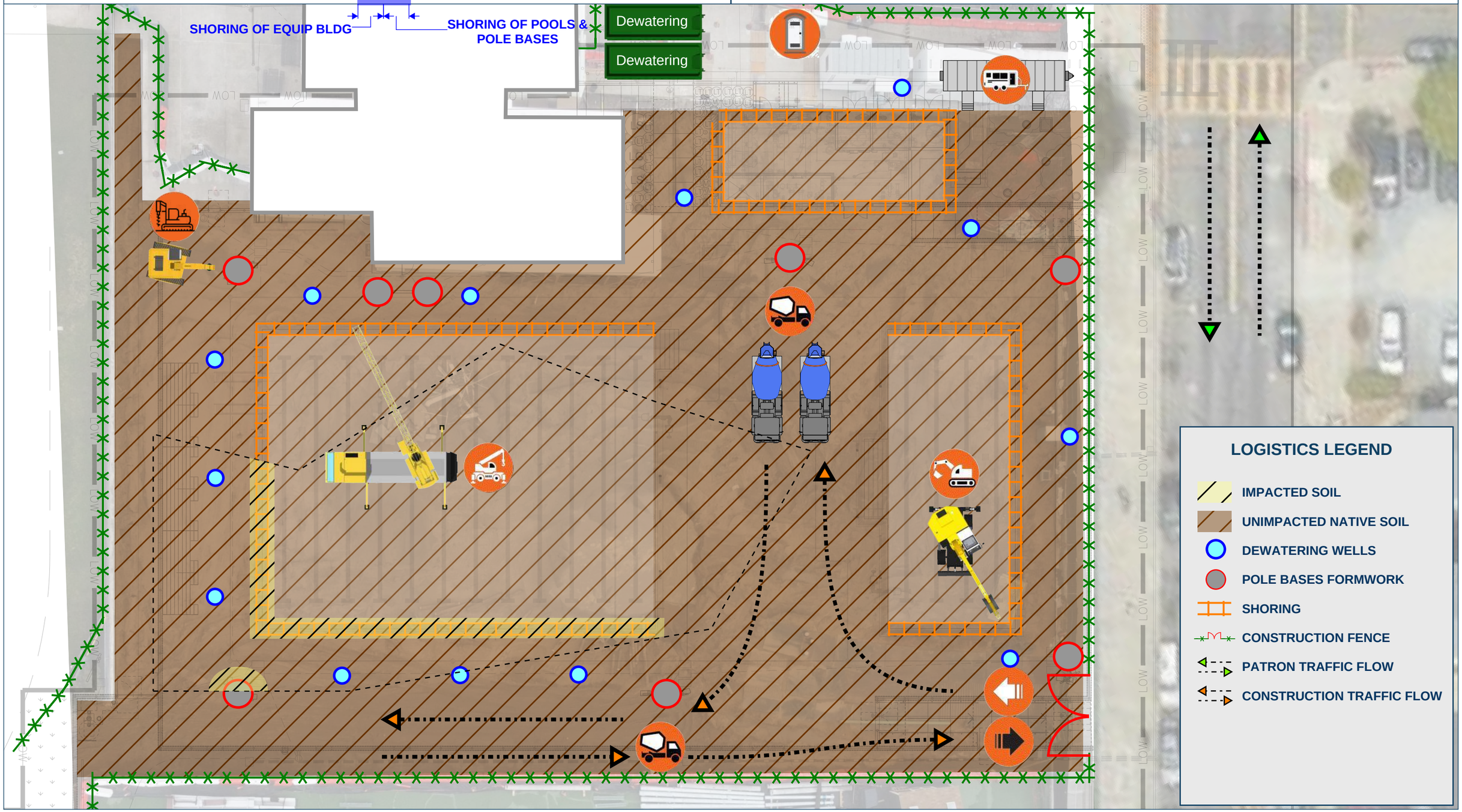
- IMPACTED SOIL
- UNIMPACTED NATIVE SOIL
- DEWATERING WELLS
- SHORING
- CONSTRUCTION FENCE
- PATRON TRAFFIC FLOW
- CONSTRUCTION TRAFFIC FLOW

AUSD ALAMEDA UNIFIED SCHOOL DISTRICT
EXCELLENCE & EQUITY FOR ALL STUDENTS

ALAMEDA HIGH SCHOOL SWIM CENTER

SITE LOGISTICS: DEWATERING WELLS

2025												2026											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec



AUSD ALAMEDA UNIFIED SCHOOL DISTRICT
EXCELLENCE & EQUITY FOR ALL STUDENTS

ALAMEDA HIGH SCHOOL SWIM CENTER

SITE LOGISTICS: SHORING AND POLE BASES

2025 | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec

2026 | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec

UNDERGROUND UTILITIES

Dewatering

Dewatering

LOGISTICS LEGEND

- IMPACTED SOIL
- UNIMPACTED NATIVE SOIL
- POLE BASES FORMWORK
- SHORING
- UNDERGROUND PLUMBING
- UNDERGROUND ELECTRICAL
- CONSTRUCTION FENCE
- PATRON TRAFFIC FLOW
- CONSTRUCTION TRAFFIC FLOW

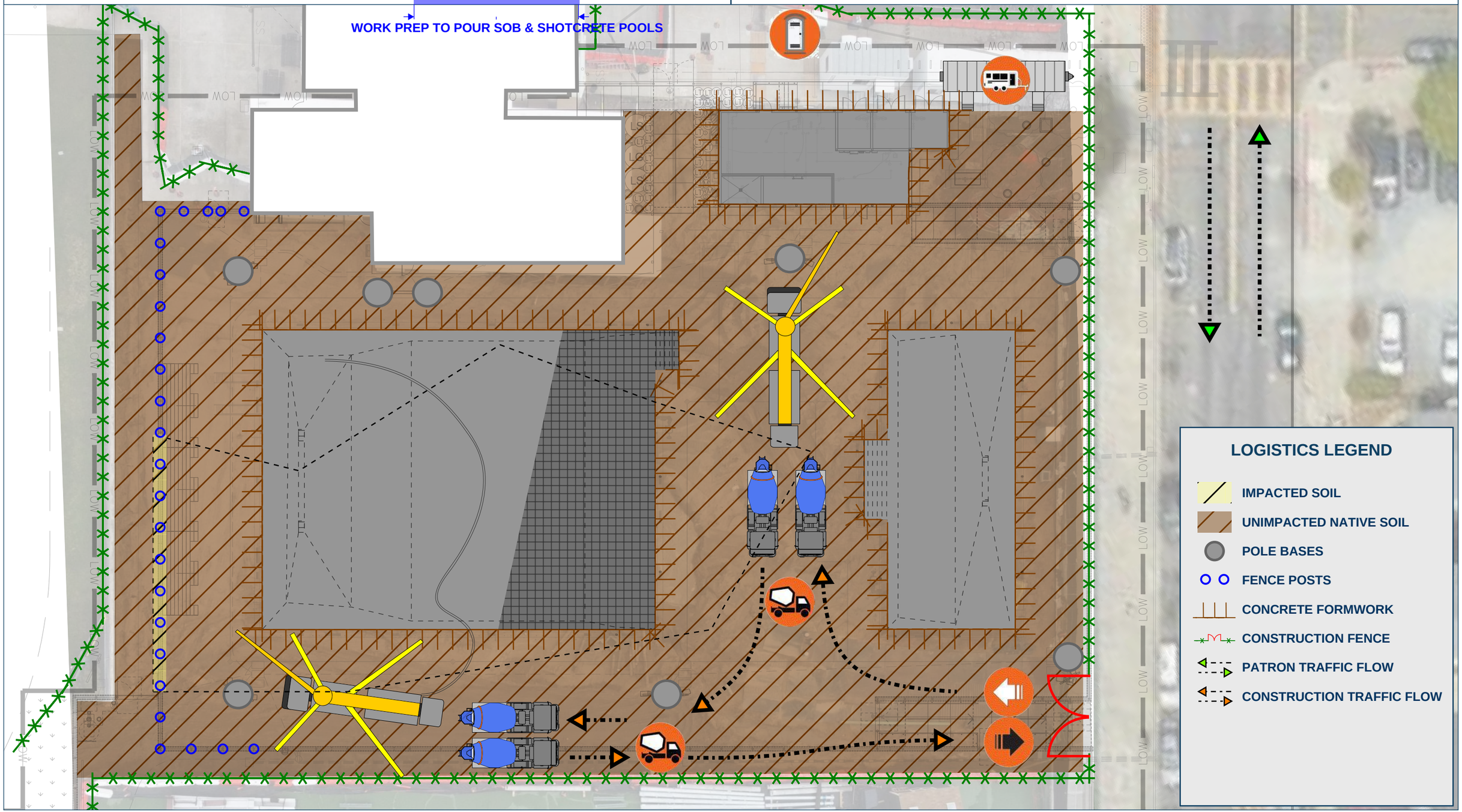
AUSD ALAMEDA UNIFIED SCHOOL DISTRICT
EXCELLENCE & EQUITY FOR ALL STUDENTS

ALAMEDA HIGH SCHOOL SWIM CENTER

SITE LOGISTICS: UNDERGROUND UTILITIES

2025												2026											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec

WORK PREP TO POUR SOB & SHOTCRETE POOLS



AUSD ALAMEDA UNIFIED SCHOOL DISTRICT
EXCELLENCE & EQUITY FOR ALL STUDENTS

ALAMEDA HIGH SCHOOL SWIM CENTER

SITE LOGISTICS: EQUIPMENT BLDG SLAB ON GRADE & POOL SHOTCRETE

2025												2026											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec

MEP UTILITY WORK

GRADING FOR POOL DECK

LOGISTICS LEGEND

- NATIVE & IMPORTED SOIL
- CONCRETE SLAB
- POLE BASES
- CONSTRUCTION FENCE
- PATRON TRAFFIC FLOW
- CONSTRUCTION TRAFFIC FLOW

AUSD ALAMEDA UNIFIED SCHOOL DISTRICT
EXCELLENCE & EQUITY FOR ALL STUDENTS

ALAMEDA HIGH SCHOOL SWIM CENTER

SITE LOGISTICS: 2ND LIFT OF IMPORT & GRADING FOR POOL DECK

2025												2026											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec

POUR POOL DECK

LS
LG
LS

LOW

LOGISTICS LEGEND

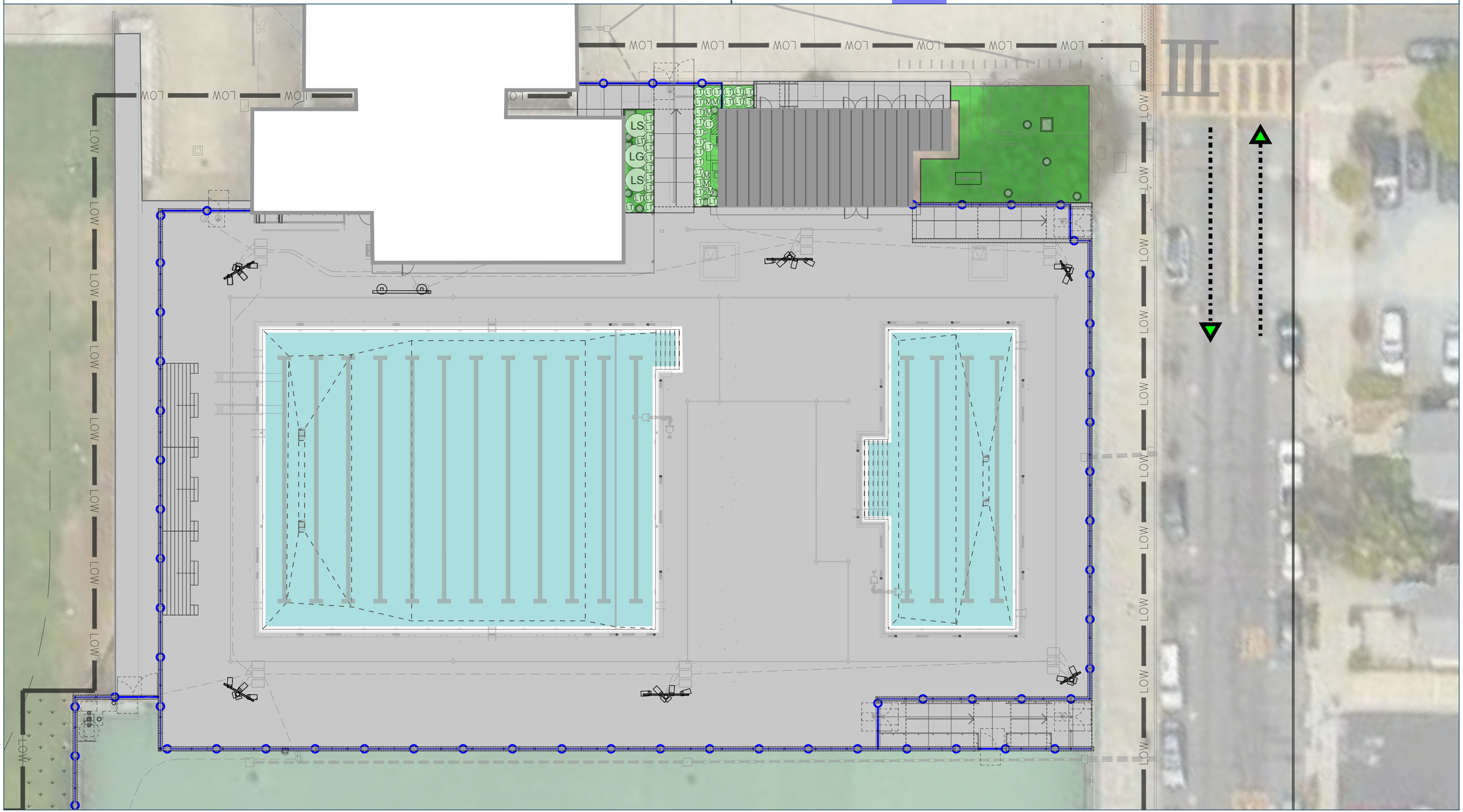
- CONCRETE SLAB
- CONCRETE DECK
- NEW FENCE
- CONSTRUCTION FENCE
- PATRON TRAFFIC FLOW
- CONSTRUCTION TRAFFIC FLOW

AUSD ALAMEDA UNIFIED SCHOOL DISTRICT
EXCELLENCE & EQUITY FOR ALL STUDENTS

ALAMEDA HIGH SCHOOL SWIM CENTER

SITE LOGISTICS: POUR POOL DECK (CAP)

2025												2026											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec

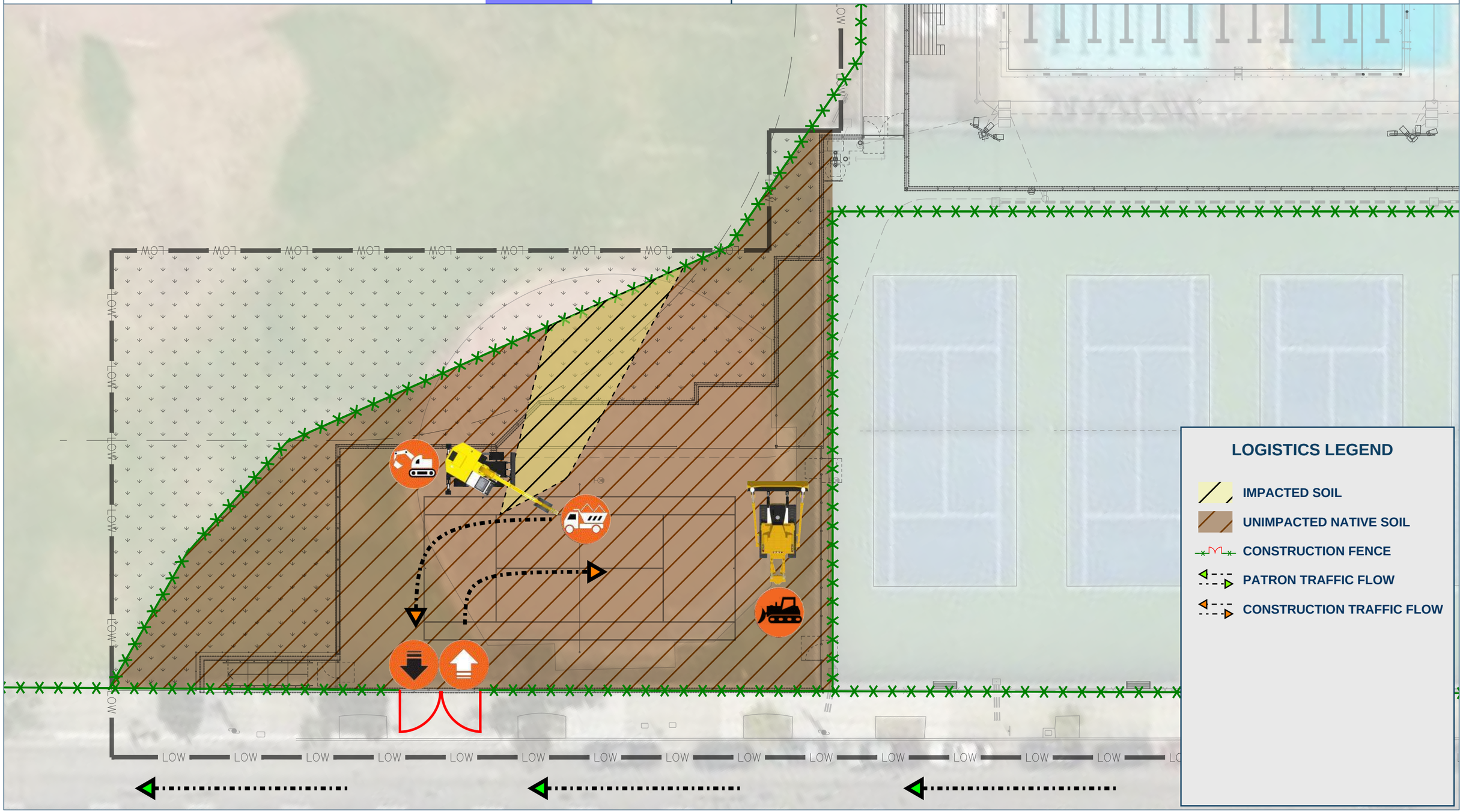


AUSD ALAMEDA UNIFIED SCHOOL DISTRICT
EXCELLENCE & EQUITY FOR ALL STUDENTS

ALAMEDA HIGH SCHOOL SWIM CENTER

SITE LOGISTICS: PROJECT COMPLETION

2025												2026											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec

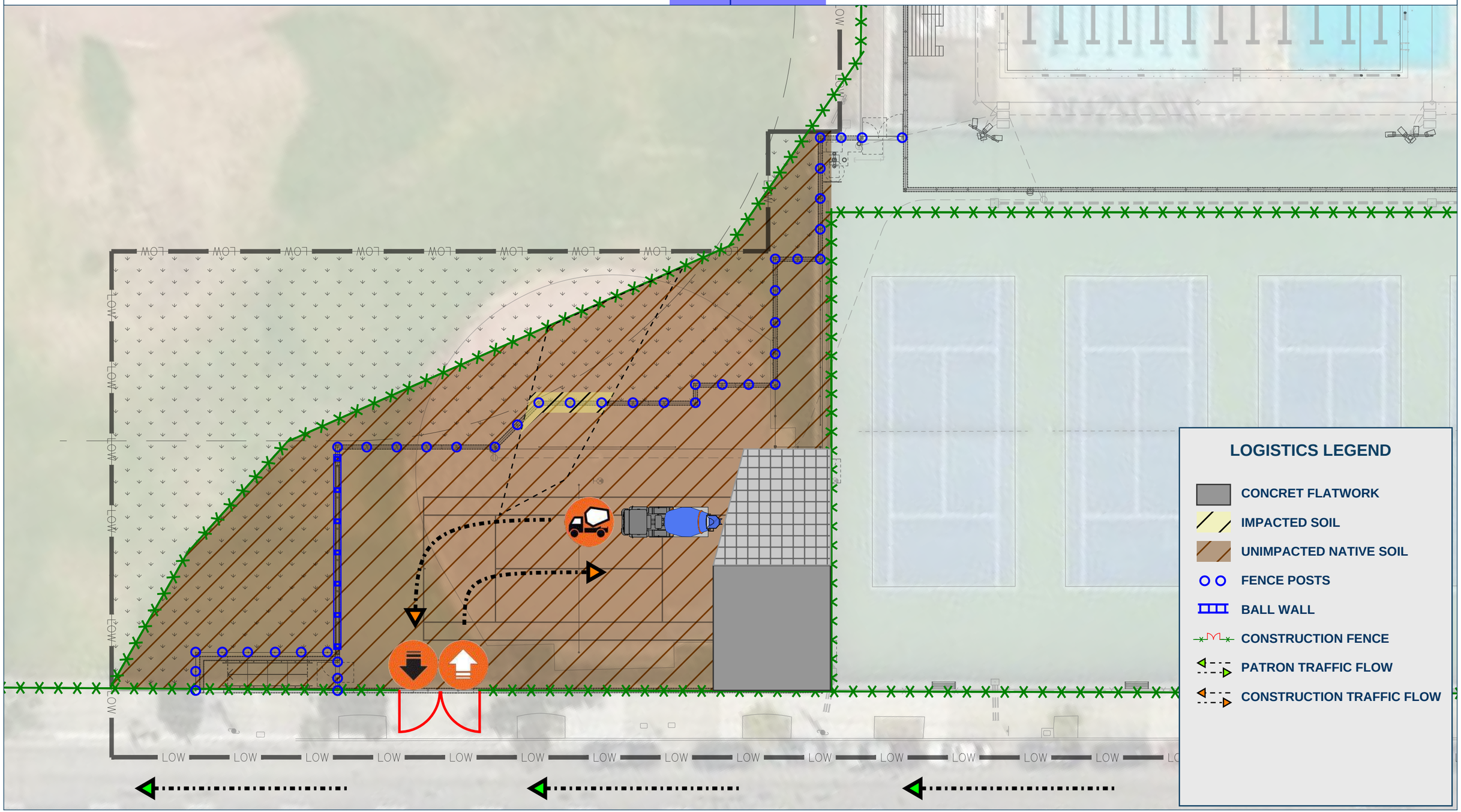


AUSD ALAMEDA UNIFIED SCHOOL DISTRICT
EXCELLENCE & EQUITY FOR ALL STUDENTS

ALAMEDA HIGH SCHOOL SWIM CENTER

SITE LOGISTICS: TENNIS COURT GRADING

2025												2026											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec

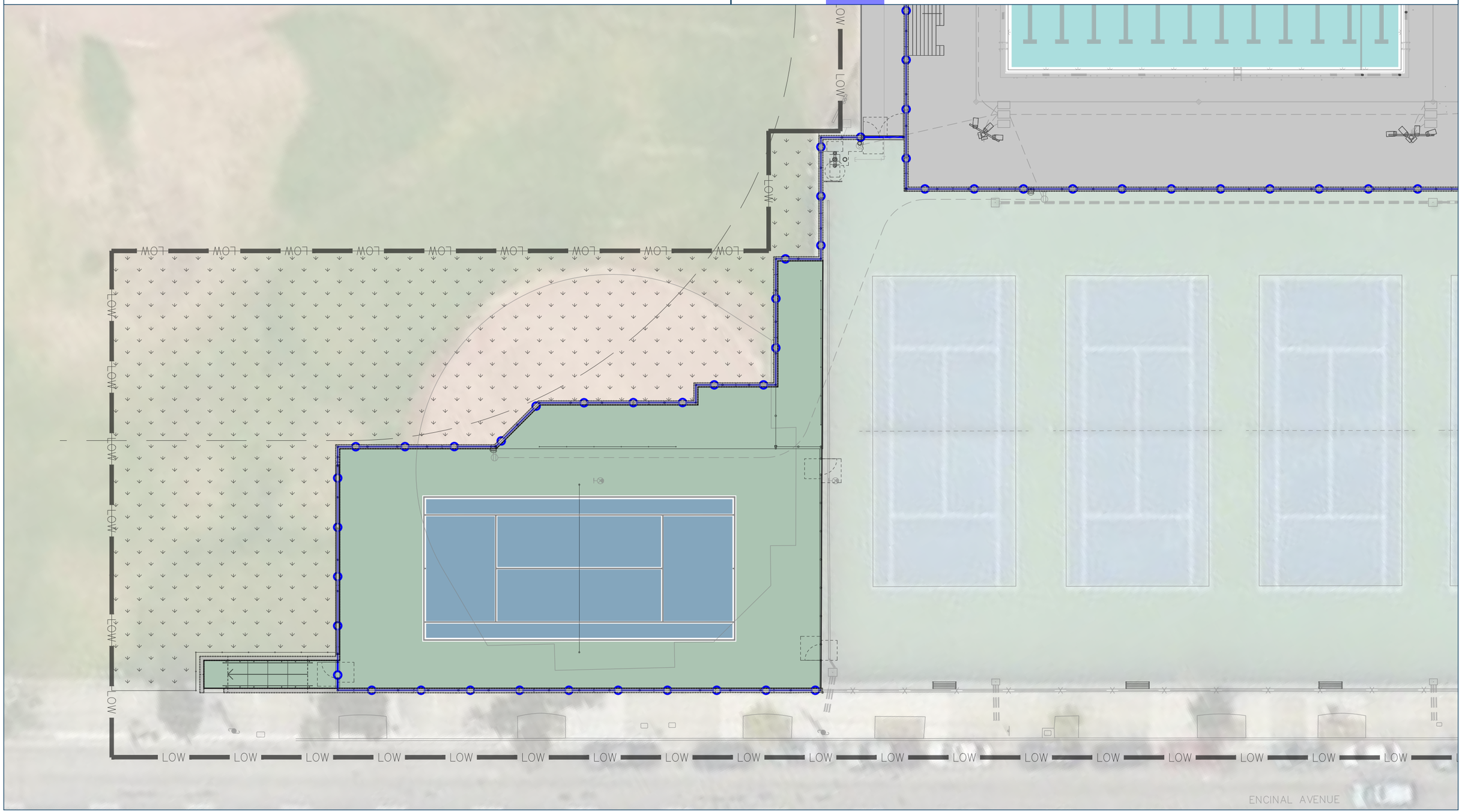


AUSD ALAMEDA UNIFIED SCHOOL DISTRICT
EXCELLENCE & EQUITY FOR ALL STUDENTS

ALAMEDA HIGH SCHOOL SWIM CENTER

SITE LOGISTICS: TENNIS COURT FENCING & FLATWORK

2025												2026											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec



ALAMEDA HIGH SCHOOL SWIM CENTER

SITE LOGISTICS: TENNIS COURT COMPLETION

APPENDIX H

EAST BAY MUNICIPAL UTILITY DISTRICT – SPECIAL DISCHARGE PERMIT

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EAST BAY
MUNICIPAL UTILITY DISTRICT

August 28, 2024

Javier Canseco
1141 Marina Way S.
Richmond, CA 94804

RE: Special Discharge Permit to **Alten Construction, LLC, Permit no. 11000154.**

Dear Javier Canseco,

The enclosed Special Discharge Permit No. 11000154 covers the discharge of special discharge wastewater from Alten Construction, LLC into the community sewer at **1327 Oak St. Alameda**. All wastewater discharges from Alten Construction, LLC, actions and reports, shall be in accordance with the terms and conditions of this permit. Your permit expires one year from the date of issuance.

Enclosed with this wastewater discharge permit is a copy of EBMUD's Standard Terms and Conditions. Please note that EBMUD's Wastewater Control Ordinance (Ordinance) is available online at https://www.ebmud.com/wastewater/collection-treatment/wastewater-control-ordinance-discharge-limits/. As a permit holder you are legally responsible for complying with all requirements set forth in these documents.

Alten Construction, LLC shall report to the EBMUD Wastewater Environmental Services Division any changes, permanent or temporary, to the premises or operations that significantly affect the quality or volume of the permitted discharge or deviate from the terms and conditions under which the Permit was granted.

If you have any questions regarding this permit, please contact John Roberts of the Wastewater Environmental Services Division at (510) 287-1651 or cleanbay@ebmud.com.

Sincerely,

Adam Kern

Adam Kern
Supervisor of Pretreatment and Pollution Prevention Programs

Enclosures:
Special Discharge Permit
Special Discharge Permit Standard Terms and Conditions

375 ELEVENTH STREET . OAKLAND . CA 94607-4240
P.O. BOX 24055 . OAKLAND . CA 94623-1055

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East Bay Municipal Utility District
Special Discharge Permit Number 11000154

Discharger:	**Alten Construction, LLC**
Discharge Location:	1327 Oak St. Alameda
Discharger Mailing Address:	1141 Marina Way S. Richmond, CA 94804
Discharger Contact:	Javier Canseco, jcanseco@altenconstruction.com

In accordance with the provisions of the East Bay Municipal Utility District's (EBMUD) Wastewater Control Ordinance (Ordinance) **Alten Construction, LLC** is hereby authorized to discharge Special Discharge Wastewater from the above-identified facility to the community sewer in accordance with the effluent limitations, monitoring requirements and other conditions set forth herein. Compliance with this permit does not relieve **Alten Construction, LLC** of its obligations to comply with all applicable pretreatment regulations, standards, or requirements under local, state, and federal laws, including any such regulations, standards, requirements, or laws that come into effect during the term of this permit. Noncompliance with any term or condition of this permit shall constitute a violation of the Ordinance and this permit.

All reports and notifications required by this permit shall be submitted in accordance with the Terms and Conditions below. Contact information for EBMUD is as follows:

East Bay Municipal Utility District
Wastewater Environmental Services Division
Attn: John Roberts
375 11th Street, MS 702
Oakland, CA 94607-4240

(510) 287-1651
(866) 403-2683(Non-Business Hours)
cleanbay@ebmud.com

This permit will become effective on the date of signature below and will expire one year from the effective date shown below.

If **Alten Construction, LLC** wishes to continue to discharge after the expiration date of this permit, an application must be filed for a renewal permit in accordance with the requirements of Title IV, Section 3(a) of the Ordinance, a minimum of 60 days before this permit expires.

Sincerely,

Amit Mutsuddy, P.E.
Director of Wastewater

Effective Date: 8/27/2024

GENERAL CONDITIONS

I. **Alten Construction, LLC** shall comply with the provisions of the following two documents:
   - EBMUD Wastewater Control Ordinance (Wastewater Control Ordinance)
   - EBMUD Special Discharge Permit Standard Terms and Conditions, most recent edition

II. This Special Discharge Permit is a waiver of Wastewater Control Ordinance, Title I, Section 5, which prohibits the discharge of stormwater, drainage water, and groundwater to the community sewer.

III. **Alten Construction, LLC** shall discharge Special Discharge Wastewater only from the site described in the Special Discharge Permit Applicant Form.

IV. **Alten Construction, LLC** shall immediately cease discharge of treated or managed Special Discharge Wastewater if not in compliance with any of the terms and conditions of this Special Discharge Permit.

V. **Alten Construction, LLC** shall promptly notify the EBMUD in advance of any significant change to the quality or volume of the wastewater discharge or any deviation from the terms and conditions of the Special Discharge Permit; including immediate notification of any changes that affect the potential for a slug discharge.

VI. **Alten Construction, LLC** shall not discharge Special Discharge Wastewater authorized by this Special Discharge Permit after the expiration date.

COMPLIANCE REQUIREMENTS

I. **Alten Construction, LLC** shall pretreat/manage, including sediment control, all Special Discharge Wastewater prior to discharge to the community sewer. Pretreatment or management shall be sufficient to achieve compliance with the discharge limits in the Wastewater Control Ordinance or any additional discharge limits established in this Special Discharge Permit.

II. **Alten Construction, LLC** shall post a sign in the work area stating "All Wastewater Discharge must comply with the Special Discharge Permit."

III. **Alten Construction, LLC** shall not discharge Special Discharge Wastewater to the community sewer at a flow rate greater than 100 gallons per minute.

IV. **Alten Construction, LLC** shall not discharge Special Discharge Wastewater to the community sewer during a rain event or within 24 hours after a rain event, which is defined as any precipitation greater than a drizzle.

V. **Alten Construction, LLC** shall obtain permission from the applicable local sewer authority to discharge Special Discharge Wastewater to the community sewer. Note that local sewer authorities may have different or more restrictive discharge requirements than EBMUD.

VI. **Alten Construction, LLC** shall discharge all Special Discharge Wastewater to the community sewer through a totalizing flow meter.

VII. **Alten Construction, LLC** shall maintain a discharge logbook. Each entry shall include the date, time, source, and total volume of all Special Discharge Wastewater discharged to the community sewer.

REPORTING REQUIREMENTS

I. **Alten Construction, LLC** shall submit quarterly discharge log reports, including:

- A copy of discharge logs which include dates, times, volumes, flow totalizer readings, and the total volume of Special Discharge Wastewater discharged to the sanitary sewer to date.

- The discharge logs are due within 10 days of the final discharge or no later than the end of the month according to the following schedule:

Discharge Period	Discharge Log Due
July – September	October 10, 2024
October - December	January 10, 2025
January - March	April 10, 2025
April - June	July 10, 2025

- The discharge log must include the following certification statement and an authorized signature:

  "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

II. Submit all reports to EBMUD by email to **cleanbay@ebmud.com**.

WASTEWATER DISCHARGE LIMITS

Alten Construction, LLC shall not discharge Special Discharge Wastewater to the community sewer if the strength of the wastewater exceeds Wastewater Control Ordinance Discharge Limits as described in Title II Sections 3(a) and 3(b).

INSPECTIONS

The District may conduct random, unannounced inspections to verify compliance with the terms and conditions of this Special Discharge Permit. **Alten Construction, LLC** shall grant District personnel site access to conduct inspections and collect Special Discharge Wastewater samples.

ENFORCEMENT AND PENALTIES

Failure to comply with the terms and conditions of this Special Discharge Permit may result in enforcement actions, including violation follow-up fees, civil enforcement penalties, and administrative fines of up to $5,000 per day.

RATES AND CHARGES

This Special Discharge Permit may be amended to include changes to rates and charges that may be established by the District during the term of this Special Discharge Permit. The treatment charge is $1.74 per hundred cubic feet (Ccf) for the wastewater discharged to the community sewer. The permit fee is $3,130 per year.

AUTHORIZATION

Alten Construction, LLC is hereby authorized to discharge Special Discharge Wastewater to the community sewer, subject to compliance with *EBMUD Wastewater Control Ordinance, Special Discharge Permit Standard Terms and Conditions*, and established billing conditions.

APPENDIX I

PERIMETER AIR MONITORING FORMS

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KLEINFELDER
Bright People. Right Solutions.

DAILY PERIMETER AIR MONITORING LOG

Site Name: _____ **Project Number:** _____ **Date:** _____ **Sampler(s):** _____

Monitoring Equipment: _____ **Serial Number (s):** _____

START OF DAY	**Time:** _____	**Weather:** _____	**Temperature:** _____
	Wind Direction: _____	**Wind Speed:** _____	**Background Dust Concentration:** _____
END OF DAY	**Time:** _____	**Weather:** _____	**Temperature:** _____
	Wind Direction: _____	**Wind Speed:** _____	**Background Dust Concentration:** _____

Based on prevailing wind direction as observed in an on-Site weather station, real time monitoring will be conducted with at least one upwind location, one downwind location, and one to two cross-wind locations. Prior to collecting readings, locations of weather station and dust monitoring stations will be sketched out and approximate location informaton will be recorded on the following page.

If any dust is recorded or observed that remains suspended for longer than 30 seconds, work will be stopped and dust control mitigation measures will be taken before work can resume, per criteria dictated in the SMP.

Location	Time	Temperature	Weather	Wind Direction	Wind Speed (MPH)	Dust Visible? Y or N	Dust Concentration	Mitigation Measures, Observations & Comments

KLEINFELDER
Bright People. Right Solutions.

DAILY PERIMETER AIR MONITORING LOG

Site Name: _____ **Project Number:** _____ **Date:** _____ **Sampler(s):** _____

WEATHER AND MONITORING STATION LOCATIONS
Please sketch Site outline with daily weather station and monitoring station locations. Record their approximated location data (latitude/longitude). If any locations were adjusted throughout the day, record their new approximated location, the reason it was moved (ex. due to changing winds or change in construction activity location), and the new location data.
COMMENTS/NOTES:

APPENDIX J

95% UCL CALCULATIONS FOR ARSENIC AND HEXAVALENT CHROMIUM

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UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	ProUCL 5.2 5/21/2025 11:34:17 AM
From File	WorkSheet_a.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

arsenic

General Statistics

Total Number of Observations	111	Number of Distinct Observations	33
		Number of Missing Observations	0
Minimum	1.4	Mean	3.018
Maximum	26	Median	2.4
SD	2.626	Std. Error of Mean	0.249
Coefficient of Variation	0.87	Skewness	6.609

Normal GOF Test

Shapiro Wilk Test Statistic	0.447	**Shapiro Wilk GOF Test**
1% Shapiro Wilk P Value	0	Data Not Normal at 1% Significance Level
Lilliefors Test Statistic	0.316	**Lilliefors GOF Test**
1% Lilliefors Critical Value	0.0976	Data Not Normal at 1% Significance Level

Data Not Normal at 1% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	3.432	95% Adjusted-CLT UCL (Chen-1995)	3.595
		95% Modified-t UCL (Johnson-1978)	3.458

Gamma GOF Test

A-D Test Statistic	8.476	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.757	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.23	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.087	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	3.883	k star (bias corrected MLE)	3.784
Theta hat (MLE)	0.777	Theta star (bias corrected MLE)	0.798
nu hat (MLE)	862	nu star (bias corrected)	840.1
MLE Mean (bias corrected)	3.018	MLE Sd (bias corrected)	1.551
		Approximate Chi Square Value (0.05)	773.8
Adjusted Level of Significance	0.0478	Adjusted Chi Square Value	773

Assuming Gamma Distribution

95% Approximate Gamma UCL	3.276	95% Adjusted Gamma UCL	3.28

Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.831	**Shapiro Wilk Lognormal GOF Test**	
10% Shapiro Wilk P Value	0	Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.176	**Lilliefors Lognormal GOF Test**	
10% Lilliefors Critical Value	0.0772	Data Not Lognormal at 10% Significance Level	
Data Not Lognormal at 10% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	0.336	Mean of logged Data	0.97
Maximum of Logged Data	3.258	SD of logged Data	0.432
Assuming Lognormal Distribution			
95% H-UCL	3.12	90% Chebyshev (MVUE) UCL	3.266
95% Chebyshev (MVUE) UCL	3.434	97.5% Chebyshev (MVUE) UCL	3.668
99% Chebyshev (MVUE) UCL	4.126		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution			
Nonparametric Distribution Free UCLs			
95% CLT UCL	3.428	95% BCA Bootstrap UCL	3.624
95% Standard Bootstrap UCL	3.423	95% Bootstrap-t UCL	3.816
95% Hall's Bootstrap UCL	5.166	95% Percentile Bootstrap UCL	3.455
90% Chebyshev(Mean, Sd) UCL	3.766	95% Chebyshev(Mean, Sd) UCL	4.105
97.5% Chebyshev(Mean, Sd) UCL	4.575	99% Chebyshev(Mean, Sd) UCL	5.498
Suggested UCL to Use			
95% Student's-t UCL	3.432		
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.			
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			

UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	ProUCL 5.2 5/21/2025 11:26:55 AM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

hex chrome

General Statistics

Total Number of Observations	44	Number of Distinct Observations	31
		Number of Missing Observations	0
Minimum	0.14	Mean	0.426
Maximum	0.94	Median	0.36
SD	0.19	Std. Error of Mean	0.0286
Coefficient of Variation	0.446	Skewness	1.081

Normal GOF Test

Shapiro Wilk Test Statistic	0.897	**Shapiro Wilk GOF Test**
1% Shapiro Wilk Critical Value	0.924	Data Not Normal at 1% Significance Level
Lilliefors Test Statistic	0.188	**Lilliefors GOF Test**
1% Lilliefors Critical Value	0.154	Data Not Normal at 1% Significance Level

Data Not Normal at 1% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	0.474	95% Adjusted-CLT UCL (Chen-1995)	0.478
		95% Modified-t UCL (Johnson-1978)	0.475

Gamma GOF Test

A-D Test Statistic	0.681	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.752	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.141	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.134	Data Not Gamma Distributed at 5% Significance Level

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics

k hat (MLE)	5.786	k star (bias corrected MLE)	5.407
Theta hat (MLE)	0.0736	Theta star (bias corrected MLE)	0.0787
nu hat (MLE)	509.2	nu star (bias corrected)	475.8
MLE Mean (bias corrected)	0.426	MLE Sd (bias corrected)	0.183
		Approximate Chi Square Value (0.05)	426.2
Adjusted Level of Significance	0.0445	Adjusted Chi Square Value	424.6

Assuming Gamma Distribution

95% Approximate Gamma UCL	0.475	95% Adjusted Gamma UCL	0.477

Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.975	**Shapiro Wilk Lognormal GOF Test**	
10% Shapiro Wilk Critical Value	0.952	Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.112	**Lilliefors Lognormal GOF Test**	
10% Lilliefors Critical Value	0.122	Data appear Lognormal at 10% Significance Level	
Data appear Lognormal at 10% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	-1.966	Mean of logged Data	-0.943
Maximum of Logged Data	-0.0619	SD of logged Data	0.422
Assuming Lognormal Distribution			
95% H-UCL	0.48	90% Chebyshev (MVUE) UCL	0.509
95% Chebyshev (MVUE) UCL	0.547	97.5% Chebyshev (MVUE) UCL	0.6
99% Chebyshev (MVUE) UCL	0.704		
Nonparametric Distribution Free UCL Statistics			
Data appear to follow a Discernible Distribution			
Nonparametric Distribution Free UCLs			
95% CLT UCL	0.473	95% BCA Bootstrap UCL	0.479
95% Standard Bootstrap UCL	0.474	95% Bootstrap-t UCL	0.481
95% Hall's Bootstrap UCL	0.48	95% Percentile Bootstrap UCL	0.475
90% Chebyshev(Mean, Sd) UCL	0.512	95% Chebyshev(Mean, Sd) UCL	0.55
97.5% Chebyshev(Mean, Sd) UCL	0.604	99% Chebyshev(Mean, Sd) UCL	0.71
Suggested UCL to Use			
95% Adjusted Gamma UCL	0.477		
When a data set follows an approximate distribution passing only one of the GOF tests,			
it is suggested to use a UCL based upon a distribution passing both GOF tests in ProUCL			
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.			
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			

APPENDIX K

SOIL AND GROUNDWATER MANAGEMENT PLAN MONITORING FORMS

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Alameda High School Swim Center Soil Managment Plan Acknowledgment Form

I have read, understood, and agree with the information set forth in this Site Management Plan (SMP), and will follow the guidance in this plan.
Kleinfelder has prepared this SMP for the purpose of communicating the current and/or future Property Owner's and contractor's requirement to comply with applicable laws, regulations, and procedures related to the disturbance or handling of any suspected impacted material prior to and during general construction activities. The SMP also includes contingency protocols and procedures in the event unexpected impacts are encountered during the Site redevelopment and construction activities. For any questions regarding this SMP please contact Kleinfelder's Jeremy Scott at 925-503-8345.

Date	Printed Name	Signature	Company Name

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Alameda High School Swim Center Construction

DAILY AIR MONITORING LOG

Date: _____ **Weather:** _____ **Background Concentration:** _____

Monitoring Equipment: _____ **Serial Number:** _____

Location	Time	Wind Direction	Wind Speed (MPH)	Dust Visible? Y or N	Current Concentration	Mitigation Measures & Comments

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Alameda High School Swim Center Construction

Soil Import/Export Log

Date	Import/Export?	Volume	Destination/Source	Profile Reference	Waste Ticket/ Manifest #

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