LIMITED-SCOPE NEGATIVE DECLARATION

NO. 955

Project

COMPTON 60
2320 North Parmelee Avenue
Compton, CA 90222

Entitlement Case No.(s)

Conditional Use Permit (CUP No. 24-007

Subdivision (SUB) No. 24-002 (Tentative Tract Map No. 84563)

LEAD AGENCY

City of Compton
205 South Willowbrook Avenue
Compton, CA 90220

Contact: Jessica Larkin
(310) 605-5532
JLarkin@comptoncity.org

APPLICANT

G3 Urban
15235 South Western Avenue
Gardena, CA 90249

Contact: Brian Taylor
(424) 396-3188
Brian@taylor-clark.com

CEQA CONSULTANT

CAJA Environmental Consulting
9410 Topanga Canyon Boulevard
Chatsworth, CA 91311

Contact: Kerrie Nicholson
(310) 469-6706
Kerrie@ceqa-nepa.com

October 2025

TABLE OF CONTENTS

ATTACHMENTS

A: General Plan and Zoning Consistency

B: Historical/Archaeological Resources Survey Report

C: Biological Resources Assessment

D: Geotechnical Report

E: Technical Memorandum and Phase II ESA

LIMITED-SCOPE NEGATIVE DECLARATION NO. 955

1. PROJECT DESCRIPTION

1.1 Environmental Setting

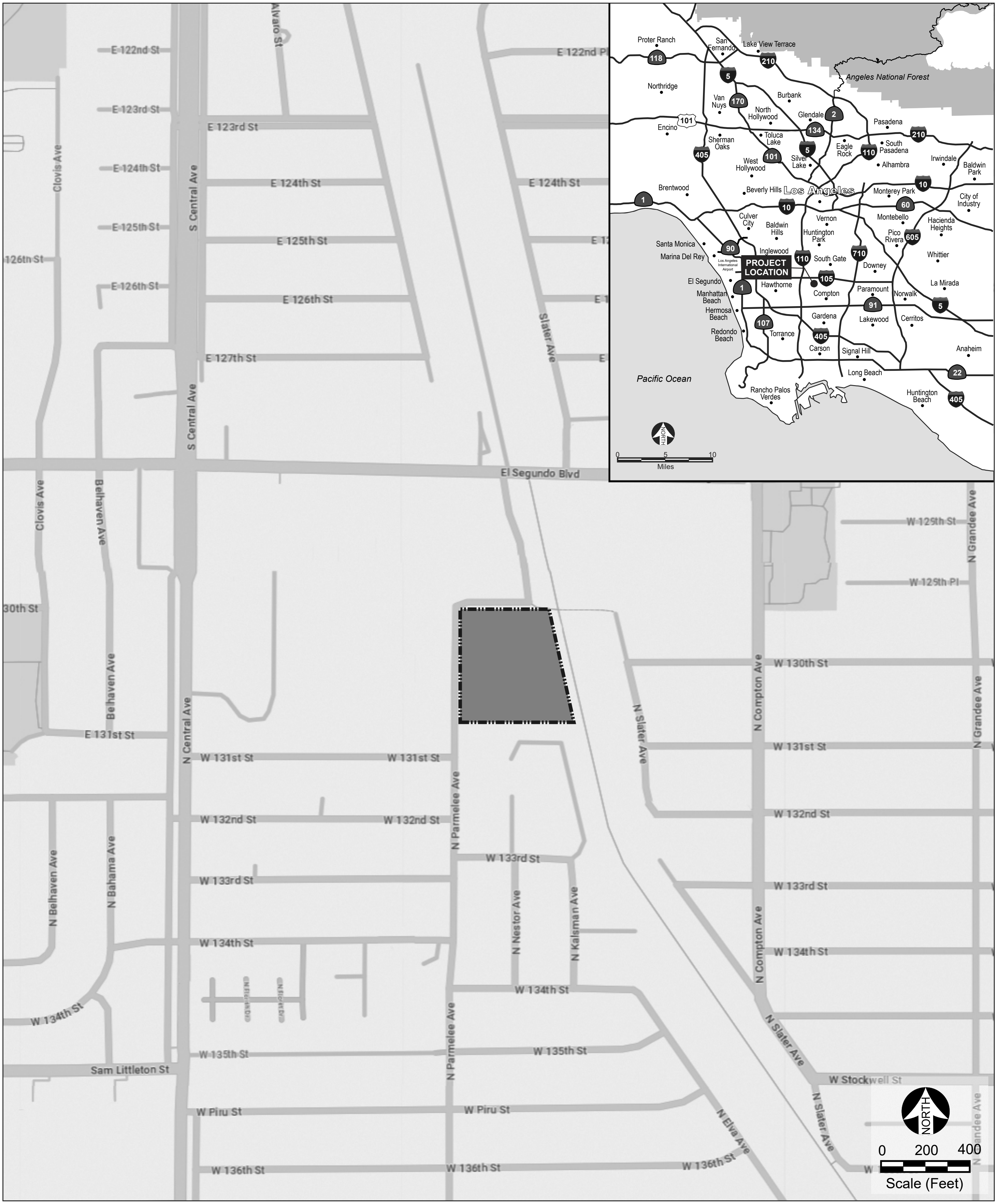
The 4.59-acre (199,940-square-foot) Project Site is located in an urbanized area of the City of Compton (City) at 2320 North Parmelee Avenue. The Project Site location is shown in Figures 1 and 2. The Project Site comprises assessor parcel number (APN) 6145-004-060. The Project Site is bounded by Parmelee Avenue on the north and west, a residential neighborhood on the south, and a channelized portion of the Los Angeles River. The greater Project Site area is largely developed with residential neighborhoods to south, east, and west, Centennial High School to the west and north, and Dr. Ronald E McNair Elementary School to the northeast. El Segundo Boulevard is located approximately 575 feet north of the site and is developed with various commercial uses. Regional access to the Project Site is provided via Interstate 105 located approximately 1.0 miles north of the Project Site and Interstate 110 located approximately 2.0 miles to the west.

The Project Site is currently undeveloped but contains the remnants of former buildings, asphalt, and ruderal vegetation. The Project Site is zoned RL (Low Density Residential), with a land use designation of Low Density Residential.

1.2 Description of Project

1.1.1 Project Overview

The Project includes development of the Project Site with 60 single-family residential homes, including 48 market-rate homes and 12 affordable homes. Each home would be two stories with a maximum building height of 30 feet. The Project is proposed as an all-electric community. Landscaping amenities include decorative paving at the entrance of the Project, open space with a shade swings, bench, and game table. Trees and other landscaping vegetation are proposed throughout the site and along the Project Site frontage where applicable. Each home would have a private side and rear yard. Project plans, including floor plans, elevations, and a landscape plan, are included in Figures 3 through 14.



Legend

Project Site

Figure 1
Regional Location Map

Source: Google Maps 2025.

Legend

Project Site

Source: Google Maps 2025.

Figure 2
Aerial Map

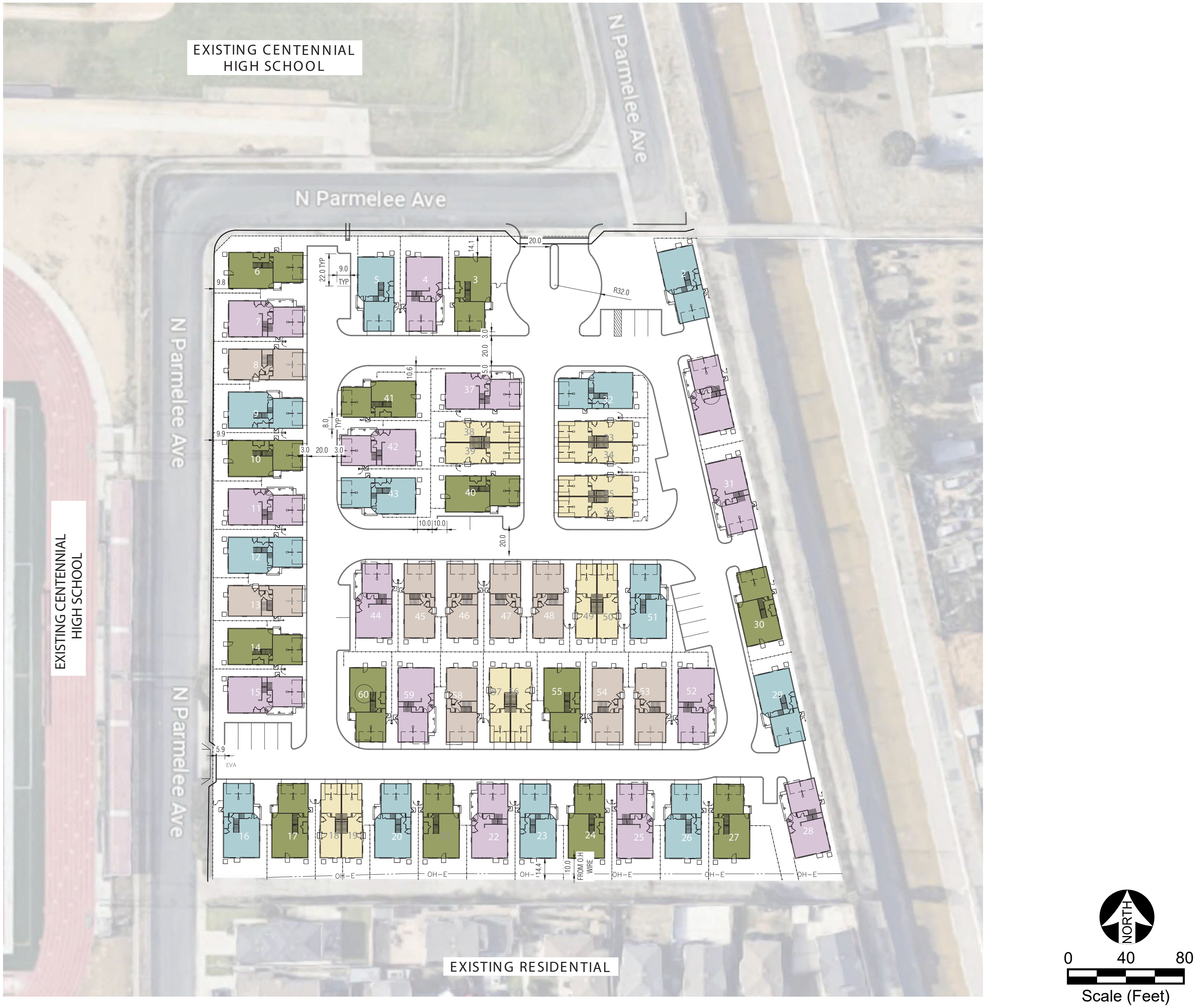


Figure 3
Site Plan

Source: Architeyk, 2025.

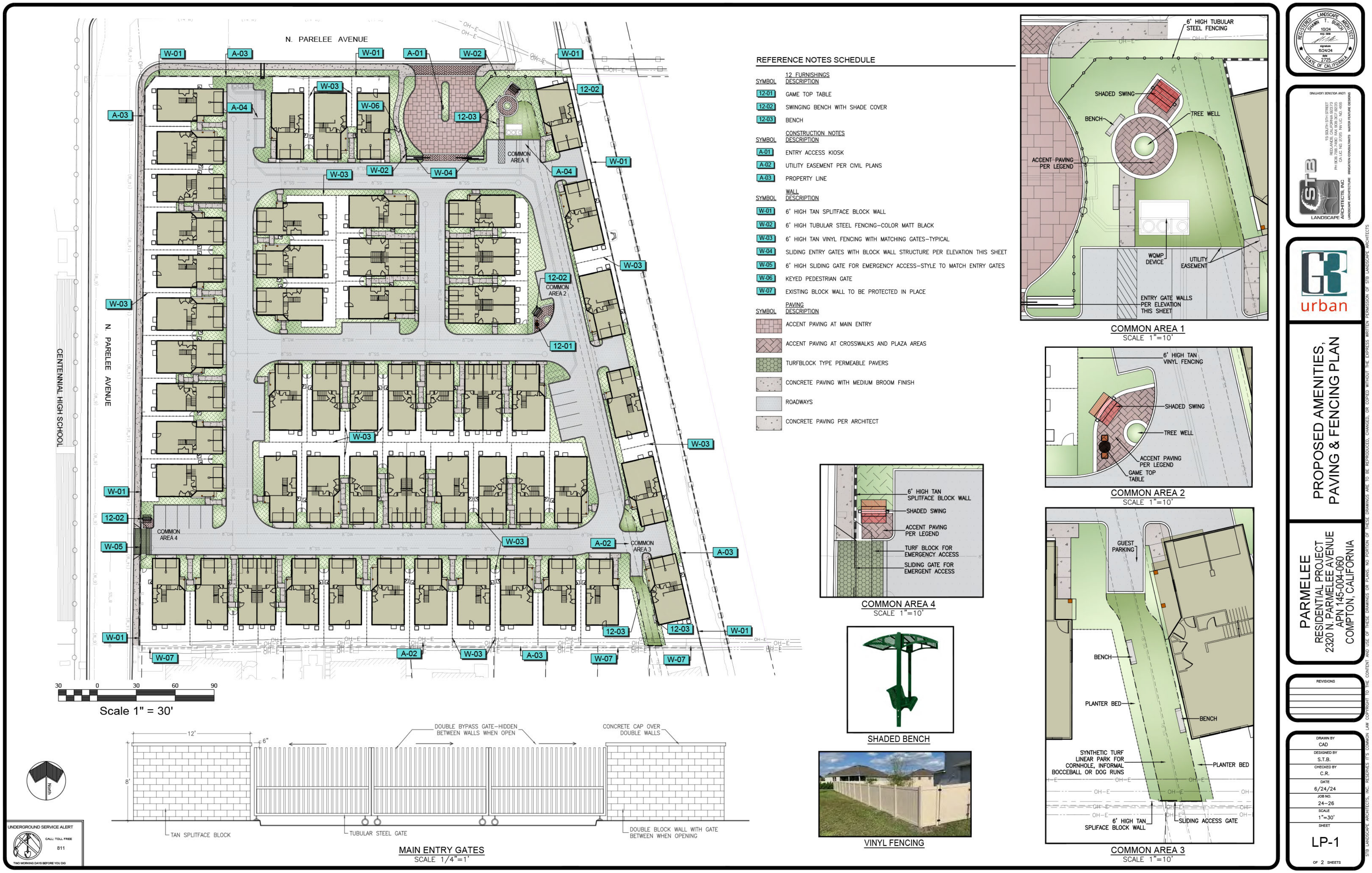


Figure 4
Landscape Plan

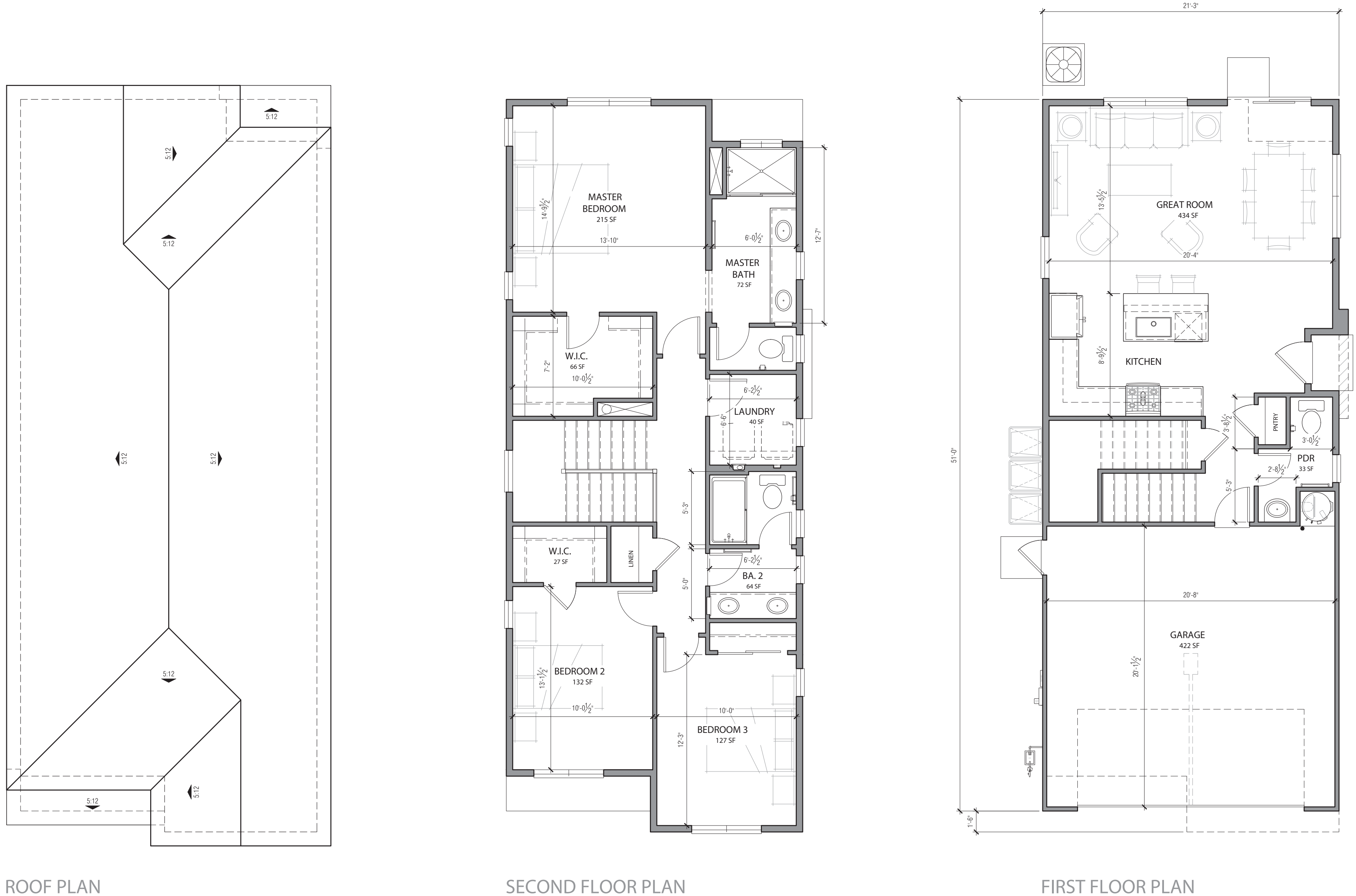


Figure 5
Plan One Home

Source: Architeyk, 2025.

LEFT ELEVATION

Parmalee Ave.
Compton, California
G3 Urban

Color and Material Palette Prepared by Ann Matteson Consulting, Inc.
Original Document: 3/5/24
Added two additional color schemes: 6/23/24

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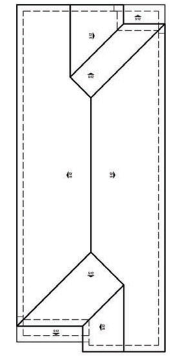


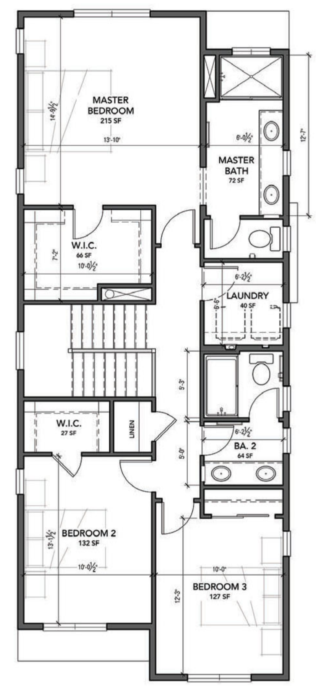
ROOF PLAN

0 8 16 24

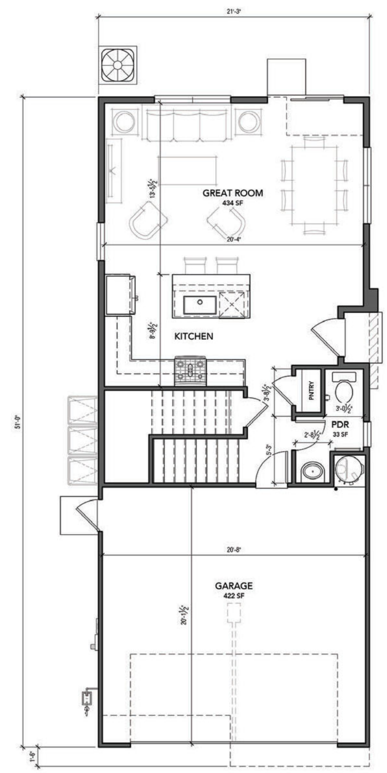
EXTERIOR ELEVATION MATERIAL LEGEND	
100: BUILDING COMPONENTS	
100	GREY SHINGLE ROOFING
101	WOOD FASCIA BOARD
110	ENTRY DOOR
111	SECTIONAL GARAGE DOOR
115	EXTERIOR FRENCH DOOR
116	EXTERIOR SLIDING GLASS DOOR
140	BUILDING ADDRESS SIGNAGE
300: EXTERIOR FINISH - PLASTER/PAINTED POLYURETHANE	
300	EXTERIOR PLASTER
310	EXTERIOR PLASTER o/ FOAM TRIM
345	EXTERIOR PLASTER CHANNEL
355	SLOPED PLASTER SILL
700: EXTERIOR VENEERS	
700	CREATIVE MINES MASONRY VENEER SYCAMORE CRAFT BOARD FORM
900: MISC	
900	FENCE PER LANDSCAPE

RIGHT ELEVATION

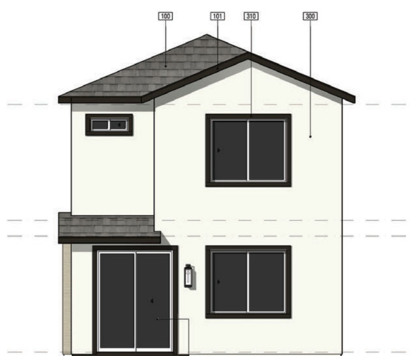
110 700



SECOND FLOOR PLAN



FIRST FLOOR PLAN



REAR ELEVATION 116

FRONT ELEVATION 111 140

Figure 6
Plan One Elevations

Source: Architeyk, 2025.

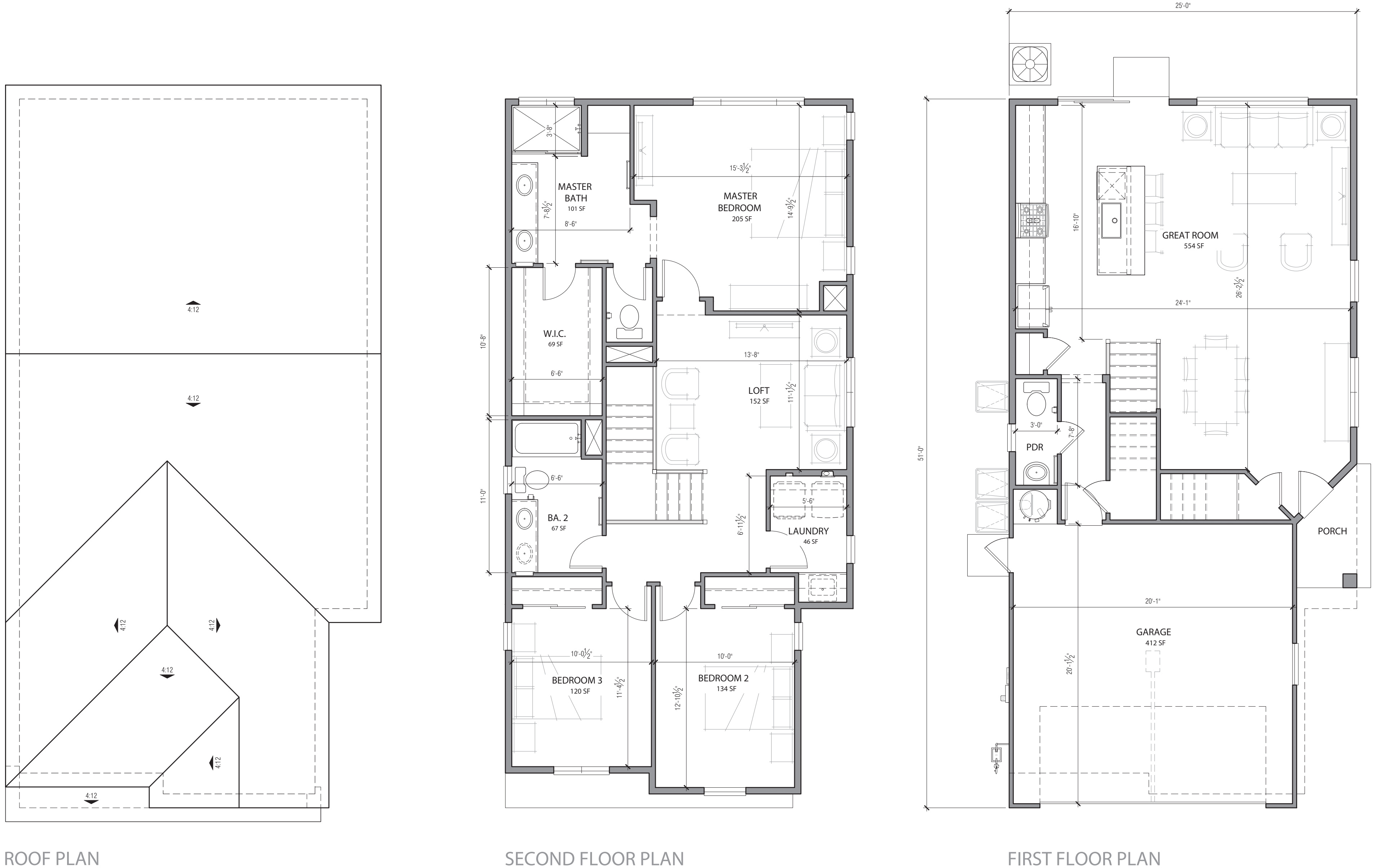
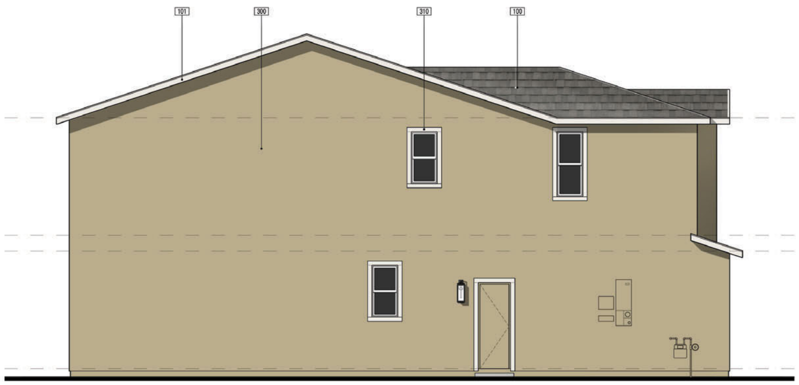


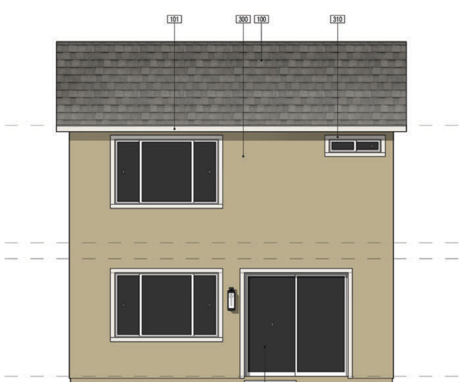
Figure 7
Plan Two Home

Source: Architeyk, 2025.



LEFT ELEVATION

RIGHT ELEVATION



REAR ELEVATION

FRONT ELEVATION

Parmalee Ave.
Compton, California
G3 Urban

Color and Material Palette Prepared by Ann Matteson Consulting, Inc.
Original Document: 3/5/24
Added two additional color schemes: 6/23/24

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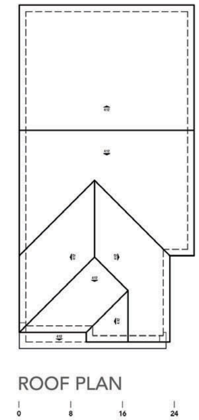
EXTERIOR ELEVATION MATERIAL LEGEND

100: BUILDING COMPONENTS
- 100 GREY SHINGLE ROOFING
- 101 WOOD FASCIA BOARD
- 110 ENTRY DOOR
- 111 SECTIONAL GARAGE DOOR
- 115 EXTERIOR FRENCH DOOR
- 116 EXTERIOR SLIDING GLASS DOOR
- 140 BUILDING ADDRESS SIGNAGE

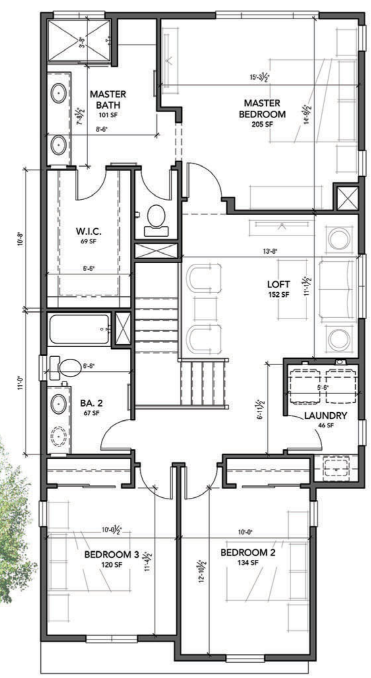
300: EXTERIOR FINISH - PLASTER/PAINTED POLYURETHANE
- 300 EXTERIOR PLASTER
- 310 EXTERIOR PLASTER o/ FOAM TRIM
- 345 EXTERIOR PLASTER CHANNEL
- 355 SLOPED PLASTER SILL

700: EXTERIOR VENEERS
- 700 CREATIVE MINES MASONRY VENEER SYCAMORE CRAFT BOARD FORM

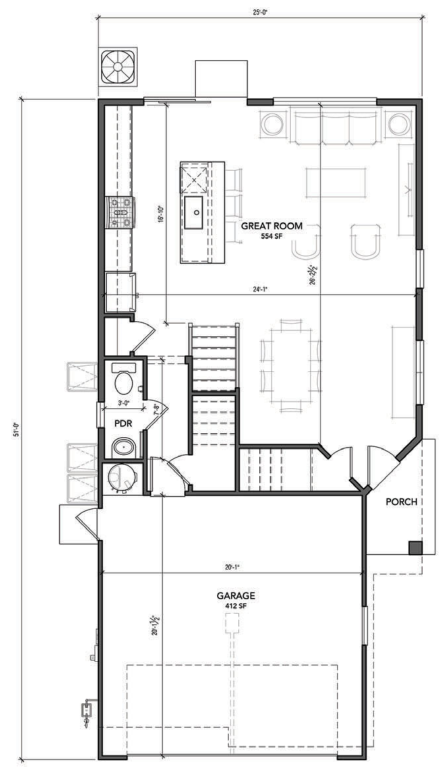
900: MISC
- 900 FENCE PER LANDSCAPE



ROOF PLAN



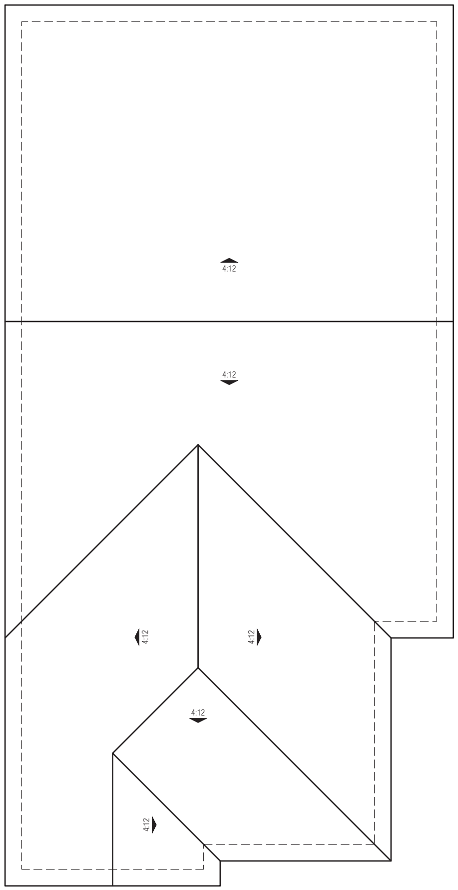
SECOND FLOOR PLAN



FIRST FLOOR PLAN

Figure 8
Plan Two Elevations

Source: Architeyk, 2025.



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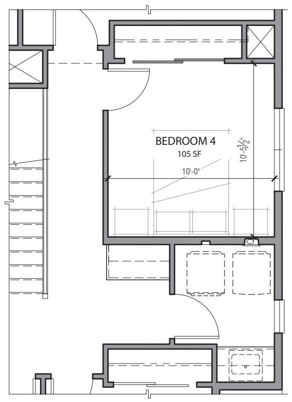
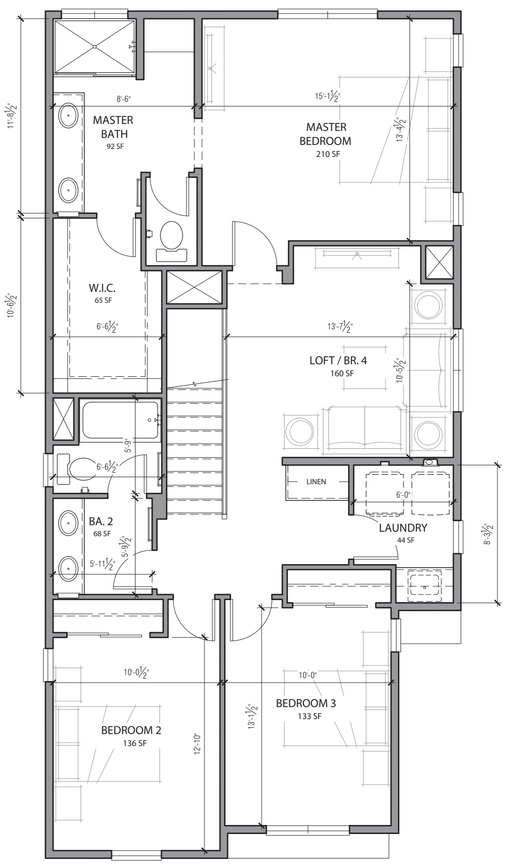


BEDROOM 4 OPT.



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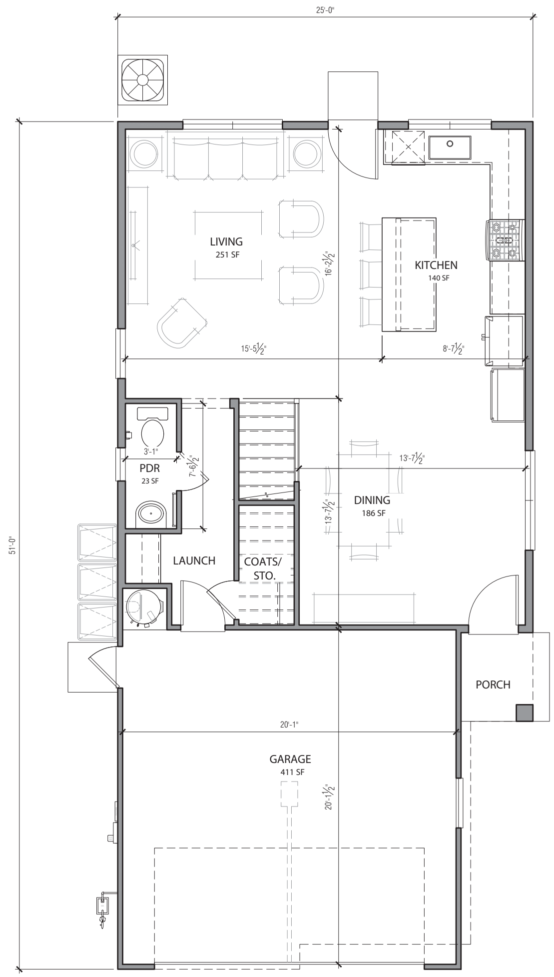
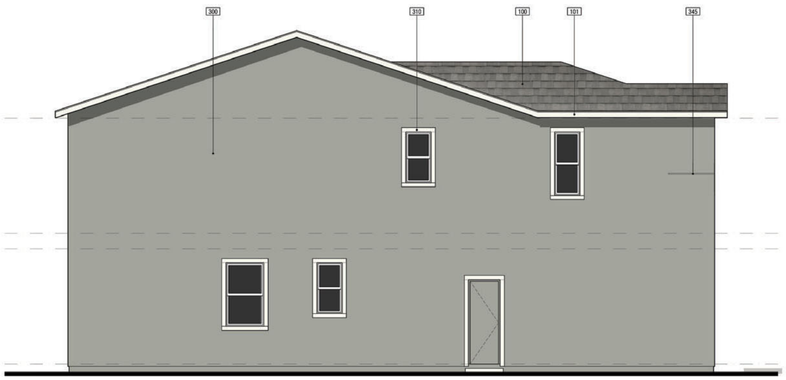


FIRST FLOOR PLAN

Figure 9
Plan Three Home

Source: Architeyk, 2025.



LEFT ELEVATION

Parmalee Ave.
Compton, California
G3 Urban

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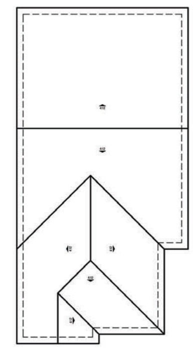
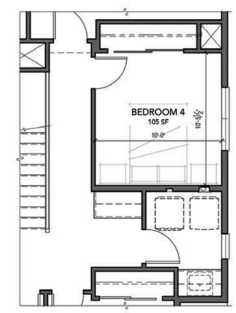


ROOF PLAN

0 8 16 24



BEDROOM 4 OPT.

RIGHT ELEVATION

EXTERIOR ELEVATION MATERIAL LEGEND

100: BUILDING COMPONENTS

100	GREY SHINGLE ROOFING
101	WOOD FASCIA BOARD
110	ENTRY DOOR
111	SECTIONAL GARAGE DOOR
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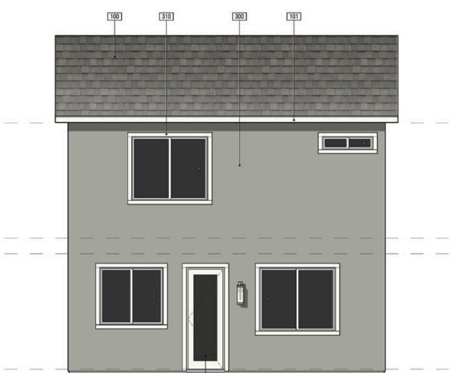
700: EXTERIOR VENEERS

700	CREATIVE MINES MASONRY VENEER SYCAMORE CRAFT BOARD FORM

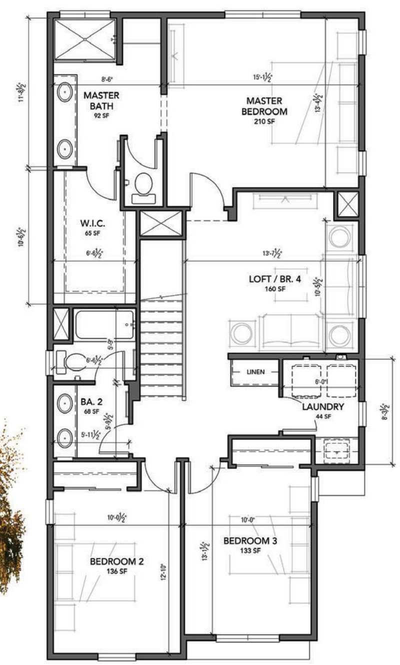
900: MISC

900	FENCE PER LANDSCAPE

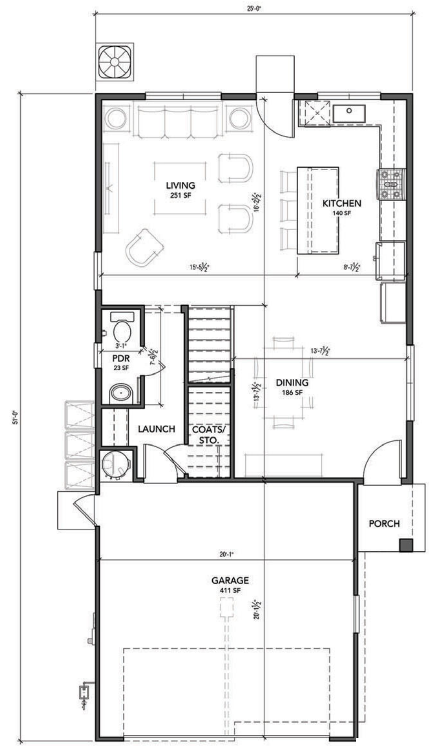


REAR ELEVATION

FRONT ELEVATION



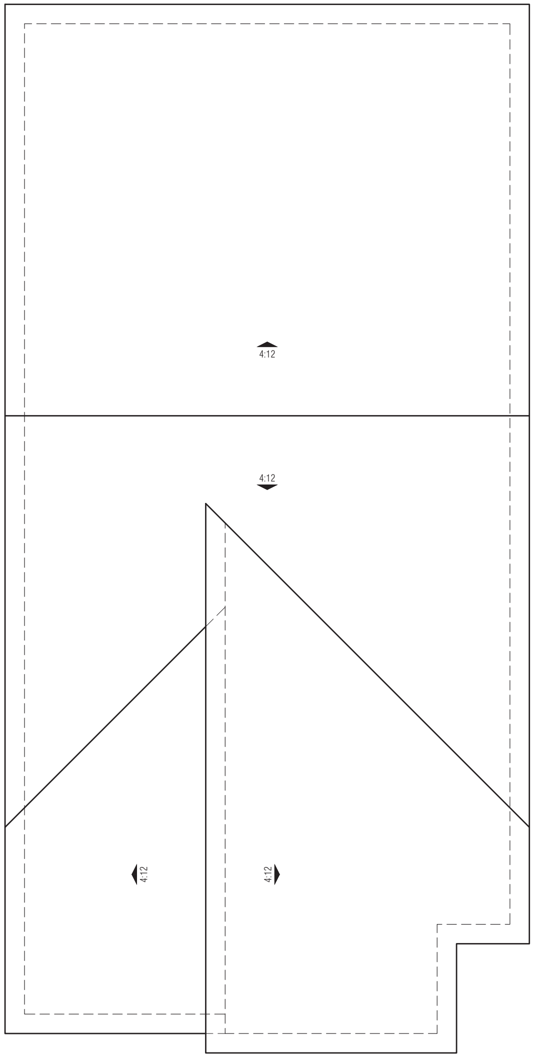
SECOND FLOOR PLAN



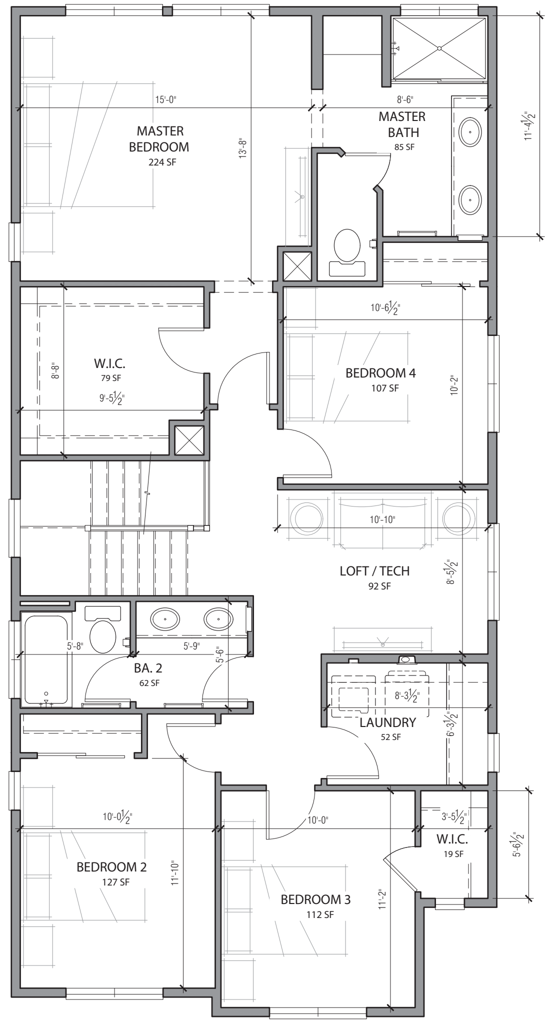
FIRST FLOOR PLAN

Figure 10
Plan Three Elevations

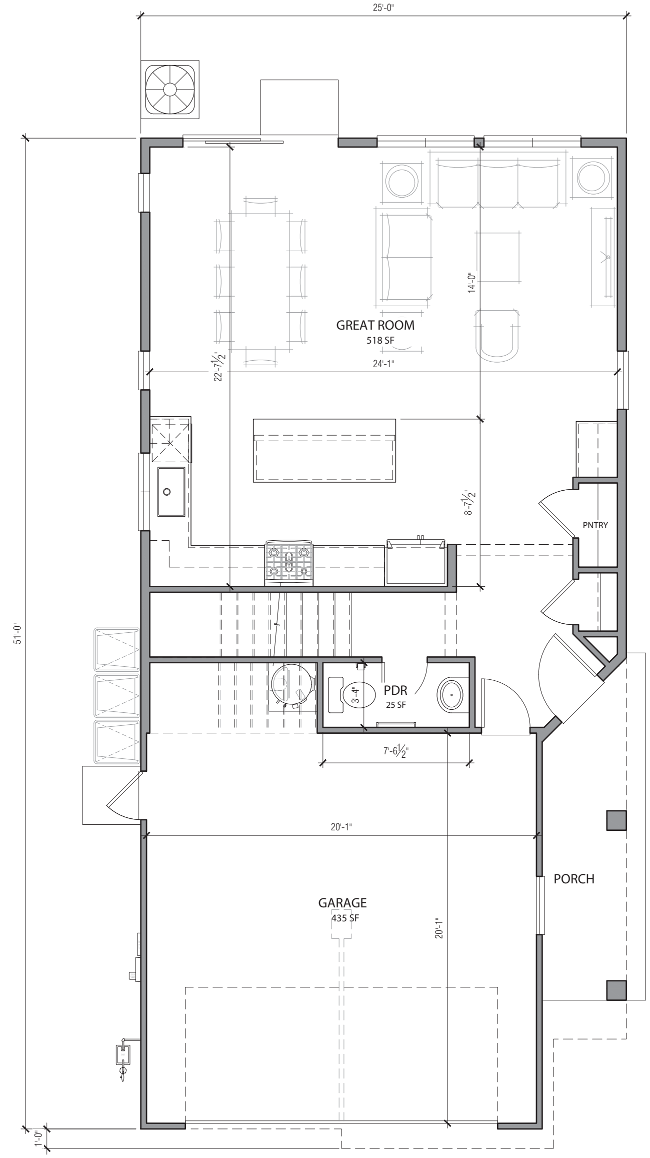
Source: Architeyk, 2025.



ROOF PLAN



SECOND FLOOR PLAN



FIRST FLOOR PLAN

Figure 11
Plan Four Home

Source: Architeyk, 2025.

LEFT ELEVATION

Parmalee Ave.
Compton, California
G3 Urban

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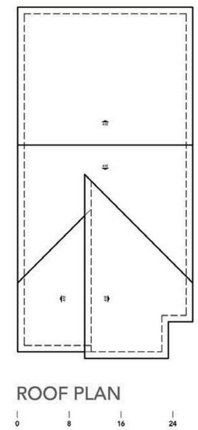

ROOF PLAN

EXTERIOR ELEVATION MATERIAL LEGEND

100: BUILDING COMPONENTS
- 100 GREY SHINGLE ROOFING
- 101 WOOD FASCIA BOARD
- 110 ENTRY DOOR
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- 140 BUILDING ADDRESS SIGNAGE

300: EXTERIOR FINISH - PLASTER/PAINTED POLYURETHANE
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- 345 EXTERIOR PLASTER CHANNEL
- 355 SLOPED PLASTER SILL

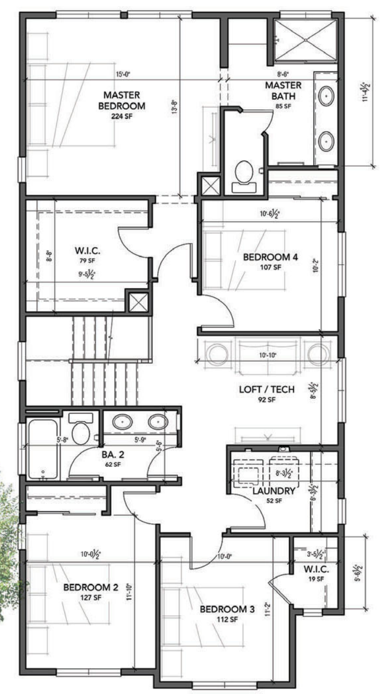
700: EXTERIOR VENEERS
- 700 CREATIVE MINES MASONRY VENEER SYCAMORE CRAFT BOARD FORM

900: MISC
- 900 FENCE PER LANDSCAPE

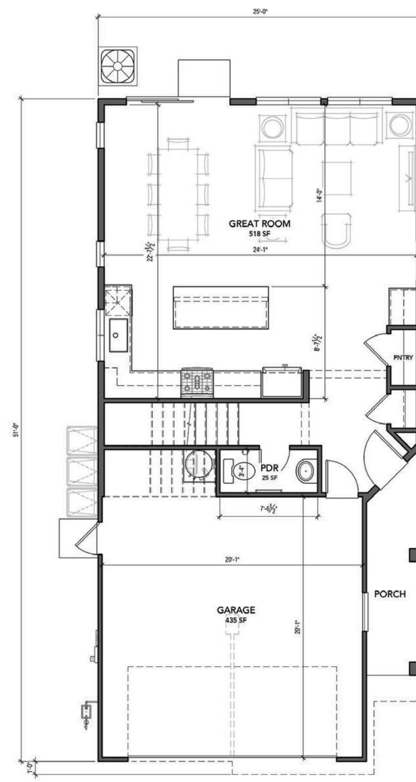
RIGHT ELEVATION

REAR ELEVATION

FRONT ELEVATION



SECOND FLOOR PLAN



FIRST FLOOR PLAN

Figure 12
Plan Four Elevations

Source: Architeyk, 2025.

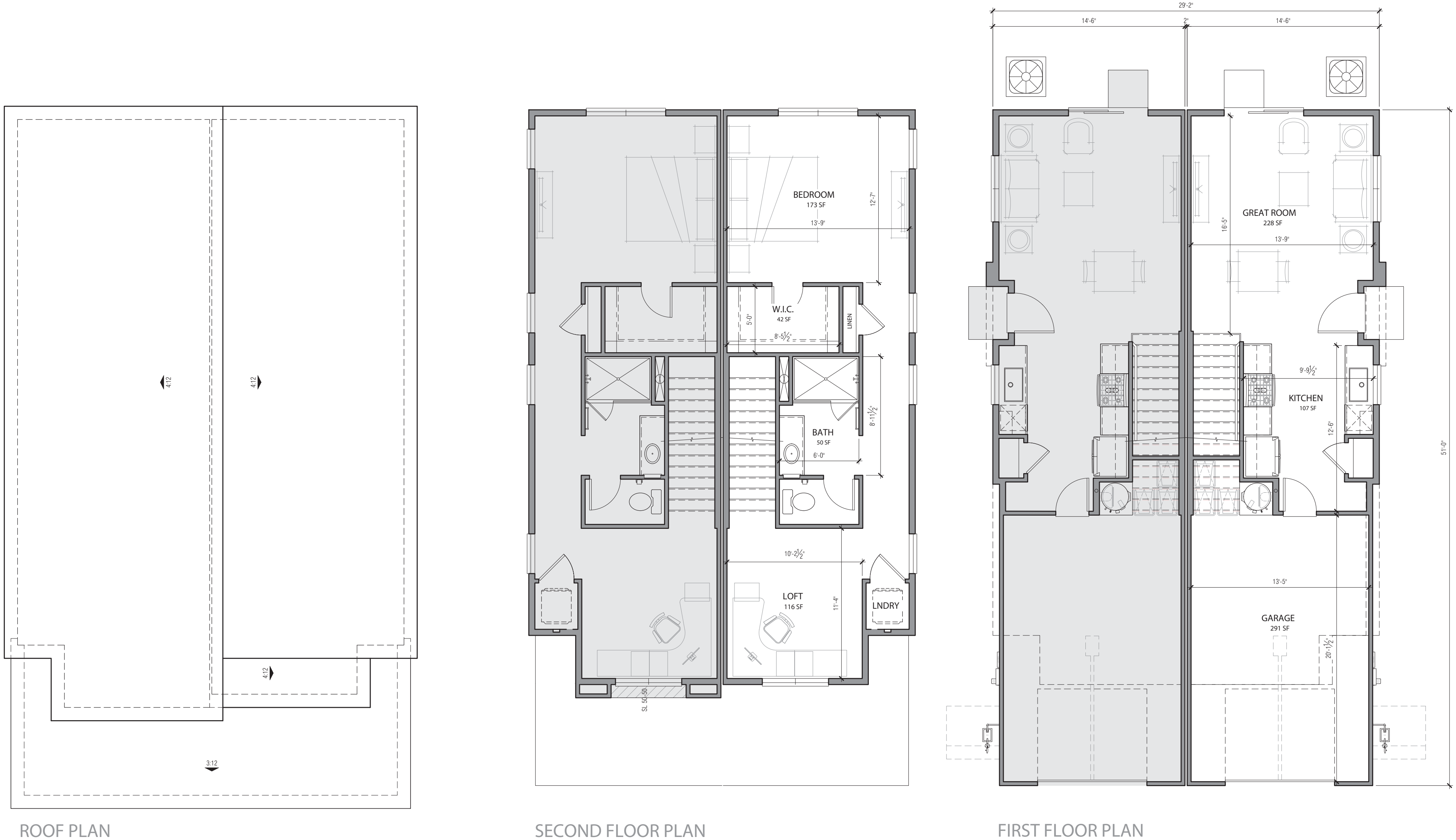
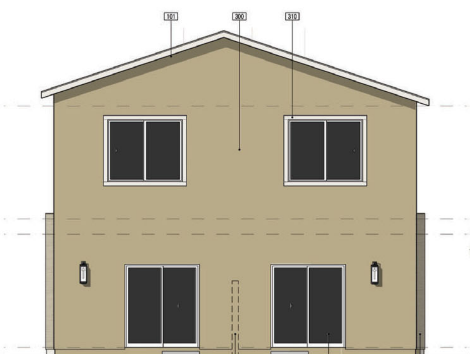


Figure 13
Plan Five Home

Source: Architeyk, 2025.

LEFT ELEVATION

RIGHT ELEVATION



REAR ELEVATION

FRONT ELEVATION

Parmalee Ave.
Compton, California
G3 Urban

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EXTERIOR ELEVATION MATERIAL LEGEND

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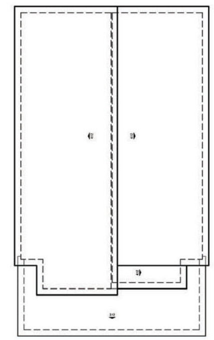
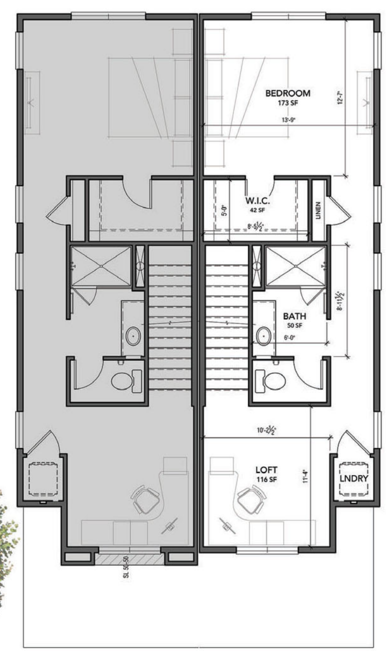
900: MISC
- 900 FENCE PER LANDSCAPE

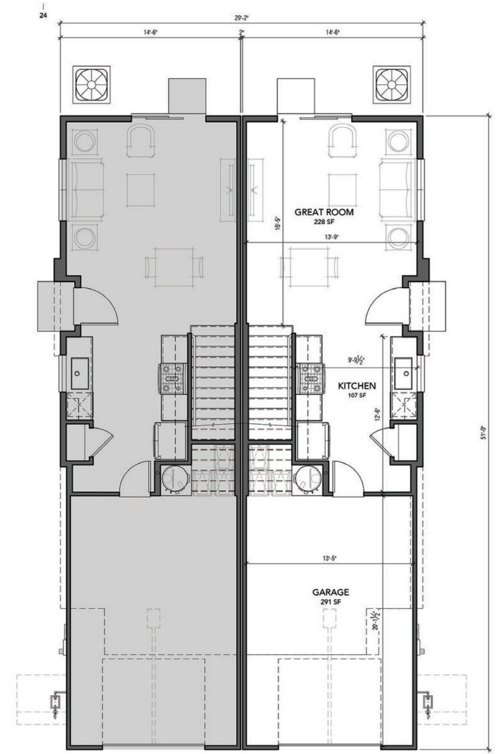


ROOF PLAN

0 8 16 24



SECOND FLOOR PLAN



FIRST FLOOR PLAN

Figure 14
Plan Five Elevations

Source: Architeyk, 2025.

1.2.2 Site Improvements

Site improvements include grading; sewer, storm water, water, and dry utilities; and street improvements. Sewer conveyance improvements include an on-site private lift station, a main line located in the internal streets, individual sewer laterals to each unit, and an offsite connection to an existing ewer main located within the adjacent Parmalee Avenue right-of-way. Storm water conveyance improvements include a main line located in the internal streets, on-site catch basins, on-site biofiltrations vaults, and an on-site parkway culvert to allow for storm water sheet-flow to an existing storm drain at Parmelee Avenue. Water conveyance improvements include a main line located in the internal streets, laterals to each unit, three fire hydrants, and two offsite connections to an existing water main located within the adjacent Parmelee Avenue right-of-way. Internal street improvements include rolled curb, zero-inch curb, and paved streets. In addition to the utility connections within Parmalee Avenue, sidewalk, curb and gutter, and street improvements would be installed along the Project Site frontage along Parmelee Avenue.

1.2.3 Parking and Access

Each home would have a two-car garage. Twenty-two guest parking spaces would also be provided at the site. Vehicular access to the Project Site would be provided via a gated ingress/egress driveway near the northeast corner of the site on Parmelee Avenue. A gated emergency-access-only ingress/egress driveway would be located near the southwest corner of the site on Parmelee Avenue. Access to the individual homes would be provide via private roadway.

1.2.4 Lighting

The Project includes standard streetlights on the new internal streets. The individual residences would have decorative lights along the elevations, and attached lighting would face downward or be shielded to reduce light and glare for neighboring uses.

1.2.5 Estimated Construction Schedule

The Project's construction phase would occur over an estimated 17-month period. The estimated construction schedule is shown in Table 1.

Table 1
Construction Schedule Assumptions

Phase	Duration	Notes
Site Preparation	Month 1	Removal of five tons of asphalt/concrete hauled 25 miles to landfill in 20-cubic-yard capacity trucks. Grubbing and removal of trees, plants, landscaping, weeds
Grading	Month 1	Approximately 5,495 cubic yards of soil imported to Project Site from location 25 miles away in 20-cubic-yard capacity trucks.
Trenching	Month 2	Trenching for utilities, including gas, water, electricity, and telecommunications.
Building Construction	Months 3-18	Footings and foundation work (e.g., pouring concrete pads), framing, welding; installing mechanical, electrical, and plumbing. Floor assembly, cabinetry and carpentry, elevator installations, low voltage systems, trash management.
Paving	Month 3	Flatwork, including paving of driveways and walkways
Architectural Coatings	Months 3-18	Application of interior and exterior coatings and sealants.

1.3 Builder's Remedy and Density Bonus Law

The Project qualifies for the benefits of Government Code section 65589.5(d)(5) of the California Housing Accountability Act (HAA), known colloquially as the "Builder's Remedy," because the Project proposes to reserve 20 percent of its dwelling units (i.e., 12 units) as lower-income affordable and units and because the Project application was submitted at a time when the housing element of the City's General Plan was not certified as in compliance with State housing element law. The HAA provides that a project protected by the Builder's Remedy may not be disapproved on the basis of inconsistencies with a jurisdiction's general plan and zoning ordinance.

In accordance with the State Density Bonus Law, California Government Code section 65915, since the Project would reserve 20 percent of its units as lower-income affordable housing units, the Project also qualifies for a density bonus of 35 percent, two incentives or concessions, and an unlimited number of waivers from, or reduction of, City development standards that have the effect of physically precluding construction of the Project as designed. *Wollmer v. City of Berkeley* (2011) 193 Cal.App.4th 1329, 13646,47; *Bankers Hill 150 v. City of San Diego* (2022) 74 Cal.App.5th 755, 775.

1.4 Assembly Bill 130

Assembly Bill (AB) 130, signed into law on June 30, 2025, reformed California's environmental review process under CEQA, creating a new statutory exemption for qualifying housing development projects. The law defines eligible housing broadly to include single-family homes, multi-family housing, mixed-use projects with at least two-thirds residential space, transitional and supportive housing, and farmworker housing, while explicitly excluding hotels and lodging uses. To qualify, projects must be located in urbanized areas or incorporated cities, occupy no more than 20 acres (5 acres for Builder's Remedy projects), meet minimum density standards, be consistent with local planning and zoning, avoid sensitive sites such as historic resources, prime farmland, wetlands, and high fire severity zones, and complete tribal consultation and environmental hazard assessments. In addition, projects exceeding 85 feet in height must meet prevailing wage and labor requirements, and local governments are required to process applications quickly under strict deadlines. By exempting compliant projects from CEQA and shifting them into a ministerial approval process, AB 130 aims to accelerate housing production, reduce litigation risk, and address the state's housing crisis.

As discussed in Table 2, the Project meets all but one of the conditions for an exemption from CEQA pursuant to AB 130.

Table 2
Project Compliance with AB 130 CEQA Exemption – Eligibility Requirements

AB 130 Requirement	Relevant Project Component	Comply with Requirement?
Project Type		

• Must be a housing development project, meaning:
  o Single-family homes
  o Multi-family housing
  o Mixed use projects (≥ 2/3 residential by floor area)
  o Transitional/supportive housing
  o Farmworker housing
• Hotels, motels, and other lodging uses are excluded
	60 single-family homes; no hotel, motel, or other lodging is proposed.	Yes

Site Size		
• ≤ 20 acres (standard projects) • ≤ 5 acres for "builder's remedy" projects	The Project Site is 4.59 acres in size.	Yes
Location		
• Must be within an incorporated city or a Census-defined urban area.	The Project Site is located within the incorporated City of Compton.	Yes
Urban Infill Requirement		

• The site must either:
  o Be previously developed with an urban use, or
  o Be substantially surrounded by urban uses (≥ 75% of the perimeter or frontage).
	The Project Site is currently undeveloped, but it was previously developed with an urban use and contains the remnants of former buildings structures associated with California Air and Army National Guard operations. Additionally, the site is substantially surrounded by urban uses. The Project Site is bounded by Parmelee Avenue on the north and west, a residential neighborhood on the south, and a channelized portion of the Los Angeles River. The greater Project Site area is largely developed with residential neighborhoods to south, east, and west, Centennial High School to the west and north, and Dr. Ronald E McNair Elementary School to the northeast. El Segundo Boulevard is located approximately 575 feet north of the site and is	Yes

Table 2
Project Compliance with AB 130 CEQA Exemption – Eligibility Requirements

AB 130 Requirement	Relevant Project Component	Comply with Requirement?
	developed with various commercial uses.	
Consistency with Local Plans		
• Must be consistent with the applicable: ○ General Plan ○ Local zoning ○ Any Local Coastal Program.	As demonstrated in Attachment A, the Project is substantially consistent with the City's General Plan and Zoning Code. The Project Site does not fall without the boundaries of a Local Costal Program. To the extent the Project does not comply with any provision of the General Plan or Zoning Code, such provisions are not applicable to the Project because it is protected by the Builder's Remedy.	Yes
Density Requirement		
• Must achieve at least one-half of the applicable density specified in subparagraph (B) of paragraph (3) of subdivision (c) of Section 655893.2 of the Government Code.	The applicable density specified in Government Code section 65583.2(c)(3)(B) is 30 du/ac. One-half of the applicable density specified in Government Code section 65583.2(c)(3)(B) is 15 du/ac. The Project proposes 15.552 du/ac.	Yes
Sensitive Site Exclusions		
• The project cannot be located on or involve:		
○ The Demolition of Historic structures (national, state, or local registers)	The *Historical/Archaeological Resources Survey Report* conducted for the Project (refer to Attachment B) included a site survey, database search, and a Native American Sacred Lands File search to determine the likelihood for historical and/or archaeological resources to exist at the Project Site. As a result of these procedures, the foundational remains and other remnants of a circa 1950 Air National Guard Armory were identified on the Project Site and recorded into the California Historical Resources Inventory under the temporary designation of Site 4176-1H, pending assignment of a permanent identification number. The remains were subsequently determined not to be eligible for listing in the California	Yes

Table 2
Project Compliance with AB 130 CEQA Exemption – Eligibility Requirements

AB 130 Requirement	Relevant Project Component	Comply with Requirement?
	Register of Historical Resources or the National Register of Historic Places. Thus, the remains. do not meet the statutory definition of a "historical resource" for CEQA-compliance purposes. No other potential "historical resources" were encountered within the Project Site area. The Project does not propose the demolition of any historic structures.	
• Prime farmland or farmland of statewide importance	The Extent of Important Farmland Map Coverage maintained by the Division of Land Protection indicates that no land within the City, including the Project Site, are included in the Important Farmland category.[1]	Yes
• Wetlands	The Project Site is located in an urbanized area of the City and is surrounded by existing urban development. The *Biological Resources Assessment* prepared for the Project (refer to Attachment C) noted that the habitat on-site is highly disturbed and modified as the site was previously developed. Large portions of the site are covered asphalt or concrete with ruderal vegetation. No wetlands exist at the Project Site or in the immediate vicinity of the site.	Yes
• Floodways	The Project Site is located in an area of minimal flood risk (Zone X) and is not located within a 100-year floodplain zone, as mapped by the Federal Emergency Management Agency (FEMA).[2]	Yes
• Earthquake Fault Zones	As explained in the Geotechnical Design Report prepared for the Project (refer to Attachment D), the Project Site is not located within a	Yes

1 *State of California Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program, Los Angeles County Important Farmland, 1998.*

2 *FEMA, Flood Map Panel #06037C1795F, effective on September 26, 2008, https://msc.fema.gov/portal/search, accessed March 23, 2025.*

Table 2
Project Compliance with AB 130 CEQA Exemption – Eligibility Requirements

AB 130 Requirement	Relevant Project Component	Comply with Requirement?
	delineated earthquake fault zone as determined by the State Geologist in any official maps published by the State Geologist.	
• Very high fire hazard severity zone	The Project Site is not located near or within a state responsibility area or lands classified as very high fire severity zones.	Yes
• Hazardous site listed pursuant to Government Code Section 65962.5 or a hazardous waste site designated by the Department of Toxic Substances Control pursuant to Section 65356 of the Health and Safety Code, unless the site is an underground storage tank site that received a uniform closure letter issued pursuant to California Health and Safety Code Section 25296.10(g) based on closure criteria established by the State Water Resources Control Board for residential use or residential mixed use.	The Project site is a former underground storage tank site that is listed pursuant to Section 65962.5. A uniform closure letter has been issued for the site pursuant to Health and Safety Code Section 25296.10(g), but the City has been unable to determine that such closure letter was based on closure criteria established by the Water Board for residential use or residential mixed use.	No

1.5 Senate Bill 131

Section 7 of Senate Bill 131 (SB 131), which became effective on July 1, 2025, amends Public Resources Code Section 20180.1 (a provision of the CEQA statute) to provide that if a proposed housing development project would otherwise be exempt from CEQA pursuant to a statutory exemption but for a single condition detailed in the statutory exemption, the application of CEQA to the approval of the proposed housing development project shall be limited to the effects on the environment that are caused solely by that single condition. In such cases, the CEQA document for the housing development project "is only required to examine those effects that the lead agency determines, based on substantial evidence in the record, are caused solely by the single condition that makes the proposed housing development project ineligible for the statutory exemption," provided (i) the proposed project is similar in kind to the types of projects covered by the statutory exemption, and (ii) the proposed project does not include a distribution center or oil and gas infrastructure.

As discussed above, the City has determined that the Project would otherwise be exempt from CEQA pursuant to AB 130's statutory exemption for infill housing development projects but for its non-compliance with a single condition detailed in the AB 130 exemption, namely its lack of a uniform closure letter issued pursuant to California Health and Safety Code Section 25296.10(g) based on closure criteria established by the State Water Resources Control Board for residential use or residential mixed use. Moreover, the Project is similar in kind to the types of projects covered by the AB 130 infill exemption. As discussed above, the Project is a residential housing development and satisfies the AB 130 Exemption's density and lot size requirements. The Project is not consistent with some provisions of the General Plan and Zoning Code, as demonstrated in Attachment A. The Project does not include a distribution center, hotel, model, bed and breakfast inn or other transient lodging or any other non-residential use. Moreover, the Project site is located within an incorporated municipality, is more than 500 feet from a freeway, and meets the AB 130 Exemption's acreage requirements. Finally, the Project is all-electric and does not offer any oil and gas infrastructure. Accordingly, the Project qualifies for streamlined, single-subject CEQA review pursuant to Section 7 of SB 131.

As a result, a limited-scope Negative Declaration has been prepared for the Project pursuant to SB 131 to specifically address the Project's potential impacts related to the Project site's listing pursuant to Government Code Section 65962.5, ensuring that this issue is adequately disclosed while avoiding unnecessary duplication of analysis in other environmental areas.

2. INITIAL STUDY

2.1 Executive Summary

PROJECT TITLE	COMPTON 60

PROJECT LOCATION	2320 NORTH PARMELEE AVENUE
	COMPTON, CA 90222
GENERAL PLAN DESIGNATION	LOW DENSITY RESIDENTIAL
ZONING	LOW DENSITY RESIDENTIAL

LEAD AGENCY	CITY OF COMPTON
STAFF CONTACT	JESSICA LARKIN
ADDRESS	205 SOUTH WILLOWBROOK AVENUE COMPTON, CA 90220
PHONE NUMBER	310-605-5532
EMAIL	JLARKIN@COMPTONCITY.ORG

APPLICANT	G3 URBAN
ADDRESS	15235 SOUTH WESTERN AVENUE GARDENA, CA 90249
PHONE NUMBER	424-396-3188

2.1.1 Project Description Summary

The Project includes development of the Project Site with 60 single-family residential homes, including 48 market-rate homes and 12 affordable homes. Each home would be two stories with a maximum building height of 30 feet. Each home would have a two-car garage. Twenty-two guest parking spaces would also be provided at the site. Vehicular access to the Project Site would be provided via an ingress/egress driveway near the northeast corner of the site on Parmelee Avenue and an ingress/egress driveway near the southwest corner of the site on Parmelee Avenue. Access to the individual homes would be provide via private roadway.

2.1.2 Environmental Setting Summary

The 4.59-acre (199,940-square-foot) Project Site is located in an urbanized area of the City of Compton (City) at 2320 North Parmelee Avenue. The Project Site comprises assessor parcel number (APN) 6145-004-060. The Project Site is bounded by Parmelee Avenue on the north and west, a residential neighborhood on the south, and a channelized portion of the Los Angeles River. The greater Project Site area is largely developed with residential neighborhoods to south, east, and west, Centennial High School to the west and north, and Dr. Ronald E McNair Elementary School to the northeast. El Segundo Boulevard is located approximately 575 feet north of the site and is developed with various commercial uses. Regional access to the Project Site is provided via Interstate 105 located approximately 1.0 miles north of the Project Site and Interstate 110 located approximately 2.0 miles to the west. The Project Site is currently undeveloped but contains the remnants of former buildings, asphalt, and ruderal vegetation. The Project Site is zoned RL (Low Density Residential), with a land use designation of Low Density Residential.

2.2 Other Public Agencies Whose Approval Is Required

(e.g. permits, financing approval, or participation agreement)

- NONE

2.3 Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

☐ Aesthetics	☐ Greenhouse Gas Emissions	☐ Public Services
☐ Agriculture & Forestry Resources	☐ Hazards & Hazardous Materials	☐ Recreation
☐ Air Quality	☐ Hydrology / Water Quality	☐ Transportation
☐ Biological Resources	☐ Land Use / Planning	☐ Tribal Cultural Resources
☐ Cultural Resources	☐ Mineral Resources	☐ Utilities / Service Systems
☐ Energy	☐ Noise	☐ Wildfire
☐ Geology / Soils	☐ Population / Housing	☐ Mandatory Findings of Significance

2.3.1 Determination

(To be completed by the Lead Agency)

On the basis of this initial evaluation:

☒ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☐ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions on the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

PRINTED NAME	**TITLE**
SIGNATURE	**DATE**

2.3.2 Evaluation Of Environmental Impacts

1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4) "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of a mitigation measure has reduced an effect from "Potentially Significant Impact" to "Less Than Significant Impact." The lead agency must describe the mitigation measures and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analysis," as described in (5) below, may be cross-referenced).

5) Earlier analysis must be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR, or negative declaration. Section 15063 (c)(3)(D). In this case, a brief discussion should identify the following:

   a) Earlier Analysis Used. Identify and state where they are available for review.

   b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

   c) Mitigation Measures. For effects that are "Less Than Significant With Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7) Supporting Information Sources: A sources list should be attached, and other sources used, or individuals contacted should be cited in the discussion.

8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project’s environmental effects in whichever format is selected.

9) The explanation of each issue should identify:

   a) The significance criteria or threshold, if any, used to evaluate each question; and

   b) The mitigation measure identified, if any, to reduce the impact to less than significance.

3. ENVIRONMENTAL IMPACT ANALYSIS

3.1 Hazards and Hazardous Materials

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would create a significant hazard to the public or the environment?	☐	☐	☒	☐

a) Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less Than Significant Impact. During the Project's construction phase, the types of hazardous materials that could be used would be typical materials necessary for construction of a commercial development (e.g., paints, solvents, fuel for construction equipment, building materials, etc.). All potentially hazardous materials used during Project construction would be used and disposed of in accordance with manufacturers' specifications and instructions. In addition, the Project would be required to comply with all applicable federal, state, and local regulations governing such activities, including but not limited to the Resource Conservation and Recovery Act, California Hazardous Waste Control, Federal and State Occupational Safety and Health Acts, SCAQMD rules, and permits and associated conditions issued by the City. Such requirements include obtaining material safety data sheets from chemical manufacturers, making these data sheets available to employees, labeling chemical containers in the workplace, developing and maintaining a written hazard communication program, and developing and maintaining a written hazard communication program, and developing and implementing programs to train employees about hazardous materials. Thus, Project construction would not require the routine transport, use, or disposal of hazardous materials that would pose a significant hazard to the public or environment.

As a single-family residential development, similar to other single-family residential neighborhoods located adjacent to the Project Site and throughout the Project Site area, the Project would use common types of cleaning products, paint, petroleum products, landscaping/yard care, etc., all of which would be used and stored in accordance with manufacturer requirements. Thus, Project operation would not require the routine transport, use, or disposal of hazardous materials that would pose a significant hazard to the public or environment. For all the reasons discussed above, Project impacts related to hazardous materials would be less than significant.

b) Would the project create significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

The information and analysis presented below are based on the following sources/ (refer to Attachment E):

- *Technical Memorandum, Stantec Consulting Services, August 7, 2025.*
- *Phase II Environmental Site Assessment, Stantec Consulting Services, September 18, 2023.*

Less Than Significant Impact. The Project Site consists of approximately 4.59 acres of land formerly occupied by the California Air and Army National Guard for use as an armory, a warehouse, for vehicle maintenance, and as a headquarters office with a dining hall. Stantec Consulting Services (Stantec) conducted a site reconnaissance to assess the conditions of the Project Site as they related to hazards and hazardous materials. At the time of Stantec's site reconnaissance, only the building foundations remained and everything else had been cleared from the Project Site. Uses of the adjoining properties, as well as of the nearby area, include residential use, the Centennial High School and, to the east, additional schools. The easternmost 50 feet of the Project Site consists of a Los Angeles County Flood Control District easement.

Based on a review of historical documents, including aerial photographs and regulatory records, the Project Site was formerly used for light agricultural purposes (i.e., dry land farming, which does not typically implicate the historical use of pesticides or herbicides) until approximately 1950, when it was developed as the California Air National Guard and included the headquarters building, a small warehouse, and a vehicle maintenance building (the Organizational Maintenance Shop); with a dining hall added to the Project Site in 1955; two equipment storage buildings added in the early 1960s; and a communications security vault structure added in the late 1960s.

The Project Site was transferred to the California Army National Guard in 1985 for use as an armory and a vehicle maintenance shop. However, there is no indication that any weapons or ammunition were ever stored on the Project Site. The California Army National Guard ceased its operations at the Project Site in 2006. The above-ground structures at the Project Site were demolished in 2013, with only concrete foundations remaining. The hydraulic lifts and clarifier in the former Organizational Maintenance Shop were removed during the building demolition. The Project Site has remained vacant since 2012.

Historically, three underground storage tanks (USTs) were located on the northeastern portion of the Project Site and included one 3,000-gallon gasoline UST; one 3,000-gallon diesel fuel UST; and one waste-oil UST. These USTs were removed in the late 1980s. In 2004, the environmental consultant known as AMEC was engaged to collect 36 soil samples from 6 borings to depths of 30 feet below ground surface (bgs) to evaluate the potential for historical releases from the USTs. According to the data generated by AMEC, soil samples from each boring were analyzed for total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs) with select samples from the two former waste oil tank borings also analyzed for metals. AMEC reported TPH in the oil range organics (TPHo) with concentrations ranging from 100 to 850 milligrams per kilogram (mg/kg) in the 5-foot soil samples collected from C-01 and C-02 located at the former waste oil UST. The detected concentrations are below the current residential use or residential mixed uses screening level for TPHo of 1,000 mg/kg. AMEC also reported no additional detections of TPH or VOC in the remaining soil samples analyzed (i.e., the results were "non-detect"), and metals concentrations were reported as relatively low and within the range of naturally-occurring regional background levels for Southern California. Based on the analytical data presented in AMEC's Site Investigation report, dated August 31, 2004, the reported TPH, VOC, and metals concentrations near the UST and fuel island are below current soil screening levels for residential use or residential mixed uses.

Two USTs were installed at the Project Site in the early 1990s and were located in the parking lot northeast of the Organizational Maintenance Shop. The tanks included one 1,000-gallon gasoline UST and a 4,000-gallon diesel fuel UST. According to the Underground Storage Tank Closure Report prepared by American Integrated Services, Inc. (AIS), dated September 10, 2007, the USTs were removed on June 13, 2007, and soil samples were collected from depths of approximately 11 to 12 feet bgs beneath each of the USTs and from approximately 2 feet bgs below the dispensers for the USTs.

The soil samples collected from these locations were analyzed for TPH and VOCs. The laboratory results for the soil samples identified only one minor detection of TPH in the diesel range (TPHd), at 1.2 milligrams per kilogram (mg/kg), which is below the current soil screening levels for residential use or residential mixed uses for TPHd – of 260 mg/kg. The laboratory results for all other soil samples collected from below the UST excavations and from beneath the dispenser islands were "non-detect" for TPH and VOCs. Accordingly, based on its review of the UST closure report, Los Angeles County of Department of Public Works (LACDPW) issued the Uniform Closure Letter (a copy of which is attached as Appendix A to the Technical Memorandum [Attachment E]). Based on the analytical data presented in AIS's Underground Storage Tank Closure Report, all reported TPH and VOC concentrations are below current residential use and residential mixed used soil screening level.

Stantec was provided with information and data from the Phase II Site Investigation Report, dated August 27, 2014, that was prepared by Avocet Environmental, Inc (Avocet), which was submitted to LACDPW. According to the provided information and data, Avocet collected and analyzed 40 soil samples from 12 borings drilled to depths of 6 and 15 feet bgs on the Project Site. All of the collected soil samples were analyzed for TPH and VOCs, and select samples were analyzed for semi-VOCs, polychlorinated biphenyls (PCBs), and/or California Code of Regulations (CCR) Title

22 Metals. In addition, based on the historical agricultural use of the Project Site, selected shallow soil samples were analyzed for organochlorine pesticides (OCPs). Further, soil vapor samples were also collected from 5 and 15 feet bgs in 3 of the 12 borings and were analyzed for the presence of VOCs. The results are summarized as follows:

- TPH was reported in 8 of the 40 soil samples with maximum concentrations of TPHd reported as 180 mg/kg and TPHo as 550 mg/kg. Seven of the eight TPH detections were localized to the 2-foot interval with only one detection reported at 5-feet bgs, with the rest of the results for that depth being “non-detect”. The reported TPHd and TPHo concentrations are below the regulatory guidance standards for residential use or residential mixed uses, which are 1,000 and 10,000 mg/kg, respectively. Therefore, Avocet concluded that no additional investigation or remedial action was warranted.

- VOCs were reported by Avocet in 16 of the 40 soil samples at concentrations that are several orders of magnitude lower than their corresponding regulatory screening levels for residential use or residential mixed uses, such that no further investigation was warranted.

- Only one SVOC (pyrene) was reported in a 2-foot sample – at a concentration of 1.1 mg/kg, which is several orders of magnitude lower than its corresponding regulatory screening level for residential use or residential mixed uses, such that no further investigation was warranted.

- Title 22 metals were reported by Avocet in 8 of the soil samples analyzed at concentrations below their corresponding regulatory screening levels for residential use or residential mixed uses, with the exception of a concentration reported in the 2-foot sample from SB-8, near the corroded drain inlet in the northwest corner of the former Organizational Maintenance Shop. At this location, cadmium was detected at a concentration of 6.79 mg/kg and lead was detected at a concentration of 355 m/kg, which exceeded their corresponding residential California Human Health Screening Levels (CHHSLs) of 1.7 and 320 mg/kg, respectively. However, these detections of cadmium and lead were below their residential Regional Screening Levels (RSLs) RSLs of 70 and 400 mg/kg, respectively, and CHHSLs are no longer utilized by the California Environmental Protection Agency as a regulatory or cleanup standard.

- None of the five samples analyzed by Avocet reported any concentrations of PCBs above the laboratory reporting limit (i.e., the results were “non-detect”).

- One of the three soil samples analyzed for OCPs reported a minor detection of 4,4-DDE at 0.370 mg/kg, which Avocet confirmed is well below the regulatory screening level of 1.6 mg/kg.

- Three of the six soil vapor samples showed trace concentrations of VOCs at levels below their CHHSLs, with the exception of the 5- and 15-feet bgs samples from boring SV-8 near the corroded drain inlet in the former battery room inside the Organizational Maintenance Shop. The analytical results for these samples reported ethylbenzene concentrations that were 6.5 and 2.2 micrograms per liter (ug/L) from the 5- and 15-foot interval, which exceeded the residential CHHSL of 0.42 ug/L.

Based on the analytical results, Avocet concluded that the subsurface environmental impacts to the Project Site appeared to be de minimis in nature and extent and that no additional assessment was warranted, with the exception of the exceedances of cadmium and lead in shallow soil around the corroded drain inlet in the northwest corner of the former Organizational Maintenance Shop and the ethylbenzene detection in soil vapor near the corroded drain inlet in the former battery room inside the Organizational Maintenance Shop. Avocet concluded, however, that the small and localized volume of metal-impacted soil is unlikely to pose a health risk to construction workers or to future users of the Project Site.

Based on the contemplated redevelopment of the Project Site for residential use or residential mixed uses, however, Stantec conducted additional subsurface investigations of soil and soil vapor at the Project Site between September 7 and September 11, 2023, in order to more fully define residual contaminant concentrations. The scope of work completed by Stantec included the advancement of 10 soil borings (SB-1 through SB-10) to depths of approximately 15.5 feet bgs and the installation of soil vapor probes in all ten soil borings at 15-feet bgs. Soil samples were collected at depths of 1.0, 5.0, 10.0, and 15.0 feet bgs from each boring for potential laboratory analysis of TPH by EPA Method 8015 and for VOCs by EPA Method 8260.

Soil boring SB-10 was advanced near the corroded drain inlet in the northwest corner of the former Organizational Maintenance Shop. Soil samples were collected at that location from depths of 1.0, 5.0, 10.0, and 15.0 feet bgs and submitted for laboratory analysis for lead and cadmium by EPA Method 6010B. The laboratory results reported no concentrations of TPH gasoline range organics (GRO) or VOCs at levels above the laboratory reporting limits in any of the soil samples collected (i.e., the results were “non-detect”). Only minor detections of TPH as diesel range organics (DRO) and oil range organics (ORO) were reported, and only in three of the 20 soil samples, at concentrations below their corresponding regulatory screening levels for residential use or residential mixed uses of 260 and 12,000 mg/kg, respectively. Lead was reported in soil boring SB-10, near the corroded drain, at concentrations ranging from 1.2 to 13.0 mg/kg, which levels are far below the residential use or residential mixed uses screening level of 80 mg/kg. Cadmium was detected in soil boring SB-10 at concentrations ranging from 1.4 to 2.6 mg/kg, which are below the residential use or residential mixed uses screening level of 5.2 mg/kg.

The cadmium and lead impacts previously identified by Avocet near the corroded drain inlet in the northwest corner of the former Organizational Maintenance Shop appear to be very limited and localized and are considered de minimis in extent. The lead and cadmium impacts to soil in this area can easily be removed from the Project Site prior to redevelopment activities, for disposal at a licensed off-site disposal facility, on a self-directed basis and without the need for regulatory oversight (given the very limited nature of the excavation).

Tetrachloroethene (PCE) was detected in one of the 10 soil vapor samples (SB-2-5) at a concentration of 20 micrograms per cubic meter (ug/m3), which only slightly exceeds its the residential screening level of 15.3 ug/m3 when applying the most conservative attenuation factor

(AF) considered by the State of California (0.03), which is neither a regulatory standard nor a cleanup standard but which is sometimes referenced for screening purposes. No PCE was detected in the deeper soil vapor sample from this boring (SB-2-15), or from any other location on the Project Site, at concentrations above the laboratory detection level of 6.5 ug/m3 (i.e., the results were "non-detect"), supporting the conclusion that the PCE detection is anomalous, limited and localized, and not indicative of a site-wide concern. Low concentrations of toluene, trichlorotrifluoromethane, and carbon disulfide were detected in five of the 10 soil vapor samples, but at levels significantly below their corresponding residential use or residential mixed uses screenings levels even when applying the most conservative AF of 0.03.

Conclusions

LACDPW was the lead regulatory agency in regard to the 2007 UST removals at the Project Site, and there is no open regulatory case file for the Project Site with either the Los Angeles Regional Water Quality Control Board (RWQCB) or the California Department of Toxic Substances Control (DTSC) – nor are there any requirements applicable to the Project Site from either agency. In its role as the lead regulatory agency, LACDPW issued a Uniform Closure Letter, dated January 7, 2009, for the former USTs. Based on the data provided in AMEC's Site Investigation report (August 31, 2004) and in AIS's Underground Storage Tank Closure Report (September 10, 2007), the soil sampling results from the UST investigations completed in 2004 and 2007 show residual contaminant levels that are below current screening levels for residential use and residential mixed uses – such that no additional assessment was required or recommended. In addition, the laboratory results for the soil samples collected in connection with the previous investigations by Avocet in 2014, and by Stantec in 2023, reported no significant detections of TPH, VOCs, or metals at concentrations above the current screening levels for residential use and residential mixed uses, and Stantec concludes that the former subsurface features and historical operations associated with the former armory do not represent an environmental concern to the use of the Project Site for residential use or residential mixed uses.

For these reasons, the Project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment. Therefore, Project impacts related to this issue would be less than significant.

c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less Than Significant Impact. Schools located within 0.25 miles of the Project Site include Centennial High School, Dr. Ronald E. McNair Elementary School, and KIPP Compton Community School. As discussed above, there are no RECs associated with the Project Site. Additionally, as a single-family residential development, similar to other single-family residential neighborhoods located adjacent to the Project Site and throughout the Project Site area, the Project would use common types of cleaning products, paint, petroleum products, etc., all of which would be used and stored in accordance with manufacturer requirements. Thus, the Project would not require the routine transport, use, or disposal of hazardous materials that would pose a significant hazard to the public or environment. Therefore, Project impacts related to hazardous materials would be less than significant.

d) Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

Less Than Significant Impact. The Project Site is listed in the Cortese database related to past leaking USTs and associated soil contamination conditions. However, as discussed above, LACDPW is the lead regulatory agency in regard to the environmental condition of the Project Site related to the 2007 UST removals, and there is no open regulatory case file for the Project Site with either the Los Angeles RWQCB or the DTSC – nor are there any requirements applicable to the Project Site from either agency. In its role as the lead regulatory agency, LACDPW issued a Uniform Closure Letter, dated January 7, 2009, for the former USTs. Based on the data provided in AMEC's Site Investigation report (August 31, 2004) and in AIS's Underground Storage Tank Closure Report (September 10, 2007), the soil sampling results from the UST investigations completed in 2004 and 2007 show residual contaminant levels that are below current screening levels for residential use and residential mixed uses – such that no additional assessment was required or recommended. In addition, the laboratory results for the soil samples collected in connection with the previous investigations by Avocet in 2014, and by Stantec in 2023, reported no significant detections of TPH, VOCs, or metals at concentrations above the current screening levels for residential use and residential mixed uses, and Stantec concludes that the former subsurface features and historical operations associated with the former armory do not represent an environmental concern to the use of the Project Site for residential use or residential mixed uses.

Accordingly, Stantec concludes that no soil impacts have been detected by the completed assessments or by the current soil vapor survey that would be a concern with respect to the development of the Project Site for residential use or residential mixed uses. Thus, the Uniform Closure Letter issued by LACDPW, based on the environmental condition of the Project Site, and based on the data submitted to LACDPW for its review and approval, complies with closure criteria established by the State Water Resources Control Board for residential use or residential mixed uses.

For these reasons, the Project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment. Therefore, Project impacts related to this issue would be less than significant.

ATTACHMENTS

Attachment A: General Plan and Zoning Consistency

Attachment B: Historical/Archaeological Resources Survey Report

Attachment C: Biological Resources Assessment

Attachment D: Geotechnical Report

Attachment E: Technical Memorandum and Phase II ESA

ATTACHMENTS

Attachment A: General Plan and Zoning Consistency

General Plan Consistency Discussion

As of May 2025, the City's currently adopted General Plan dates back to December 1991. This plan remains the official guiding document for land use, housing, transportation, and other policy areas. The 1991 General Plan designates the 4.59-acre Project Site as Low Density Residential, which permits residential development at densities up to 8 units per acre. On a 4.59-acre parcel (approximately 199,900 square feet), the Low Density Residential designation would yield on the order of 37 single-family lots/units without any special allowances. The Project proposes 60 units, which is a higher density (approximately 13 units/acre). However, because the Project application was submitted at a time when the City's housing eliminate was not substantially compliant, and since at least 20 percent of the Project's dwelling units would be reserved as lower-income affordable dwelling units, the Project qualifies for processing under a provision of the California Housing Accountability Act commonly referred to as the "Builder's Remedy." The Builder's Remedy is formally codified in Government Code Section 65589.5(d)(5), and it prevents an agency from denying a qualifying residential project, notwithstanding inconsistencies with the General Plan's land use designation. Thus, the Project is allowed despite the density limits of the Low Density Residential land use designation because the "Builder's Remedy" protections of the California Housing Accountability Act render conflicting General Plan provisions inapplicable to the Project.

The City is actively working on a comprehensive update known as the Compton General Plan 2045. The draft of this updated plan was released in early 2025 and is currently undergoing public review and environmental analysis. The adoption of the final General Plan 2045 and its Environmental Impact Report is anticipated in Summer or Fall 2025, following public hearings before the Planning Commission and City Council.

Consistency with the City's General Plan 2045 is discussed in Table 1. As demonstrated, the Project would be substantially consistent with the General Plan 2045, even if the Builder's Remedy did not apply in this case.

Table 1
Project Consistency with the General Plan

Policies	Consistency Analysis
Land Use Element	
<u>Community Safety</u> **Goal LU-1: An improved quality of life through safe and secure neighborhoods and public places**	
Policy LU-1.1: Crime Prevention through Environmental Design (CPTED). Incorporate CPTED principles into community design and planning efforts to reduce crime and enhance public safety within residential neighborhoods, corridors, and commercial districts, including measures such as improved lighting, clear sightlines, and enhanced surveillance for safer and more secure environments for residents and businesses.	**Consistent**: The Project incorporates several CPTED principles designed to enhance public safety. These include: • Improved Lighting: The Project proposes the installation of standard streetlights along internal roadways and decorative lighting on residential building elevations. All lighting is designed to be downward-facing or shielded to minimize glare, improving nighttime visibility and reducing potential hiding spots. • Clear Sightlines and Surveillance: The site layout provides clear visibility across the development, with internal private roadways allowing for unobstructed lines of sight between homes, driveways, and walkways. This facilitates natural surveillance by residents and visitors, deterring criminal activity.
Policy LU-1.2: Integrate Public Safety. Incorporate consideration of public safety in the review of development applications and design review public facilities.	**Consistent**: Public safety considerations are clearly integrated into the design of the Project. Two points of vehicular access from Parmelee Avenue (northeast and southwest corners) allow for adequate ingress and egress, which improves emergency response access and evacuation potential. The development's internal circulation and lighting plan support safe movement for vehicles and pedestrians. The Project's low-density residential design supports neighborhood familiarity and oversight, which contributes to a safer environment.
Policy LU-1.3: Natural Surveillance. Maximize natural surveillance through physical design features, including, but not limited to, visible entryways from surrounding structures and businesses; well-defined and visible walkways and gates; well-lighted driveways, walkways, and exteriors; and landscaping that preserves or enhances safety.	Consistent: The physical design of the Project promotes natural surveillance through: • Visible Entryways: Each home features direct access and clear visibility from internal private roads, promoting oversight and neighborhood watch-like conditions. • Well-defined Walkways and Driveways: The internal circulation system includes well-lit private streets and defined access to

Table 1
Project Consistency with the General Plan

Policies	Consistency Analysis
	homes, which enhances visibility and comfort for pedestrians. • Landscaping and Visibility: Landscaping would be designed to maintain sightlines rather than create visual obstructions, ensuring visibility throughout the site.
Policy LU-1.5: Natural and Human-induced Hazards. Require that development be located and designed to protect property and residents from the risks of natural and human-induced hazards.	**Consistent**: The Project Site is located in an urbanized area and is not in a high-risk zone for natural hazards such as wildfires or earthquakes beyond the general seismic risks common to the region. The Project design addresses hazard resilience through: • Modern construction standards that comply with current building codes to reduce risks from seismic activity. • Emergency access via two points on Parmelee Avenue, which ensures redundancy in case one access point is blocked. • Drainage and lighting improvements that enhance safety during storms or low-visibility conditions.
Policy LU-2.1: Neighborhood Enhancements. Continue to improve residential neighborhoods by enhancing streetscapes and crosswalks, increasing the number of trees, creating conditions that encourage walking and bicycling, integrating green infrastructure and communications technology, and allowing connectivity to activity areas, public gathering areas, and community facilities.	**Consistent:** The Project contributes to neighborhood enhancement in the following ways: • Improved Streetscape: The Project includes the installation of standard streetlights and internal private roadways designed with pedestrian accessibility and visibility in mind. • Encouraging Walkability: Sidewalks and internal roadways will support safe pedestrian movement within the development, promoting walking and neighborhood interaction. • Landscaping and Trees: Although specific landscaping details are not provided, single-family residential developments typically include front yard and parkway landscaping, contributing to increased greenery and improved aesthetics. • Connectivity: The Project is located near schools (Centennial High School and Dr. Ronald E. McNair Elementary), and commercial services along El Segundo

Table 1
Project Consistency with the General Plan

Policies	Consistency Analysis
	Boulevard (approximately 575 feet to the north), supporting connectivity to community facilities and activity centers.
Policy LU-2.2: Parking Impacts. Protect residential neighborhoods from parking spillover impacts from adjoining non-residential uses and facilities.	**Consistent:** The Project is designed to avoid parking spillover into surrounding residential areas. Each home includes a two-car garage, and the site provides 22 guest parking spaces dispersed throughout the development. The parking supply exceeds minimum requirements for low-density residential use, ensuring that residents and guests will not need to utilize off-site or street parking in adjacent neighborhoods.
Policy LU-2.5: Neighborhood Context. Consider adjoining neighborhood context when planning new residential uses, including but not limited to traffic, density, height, massing, and setbacks.	**Consistent:** The Project has been designed with sensitivity to the surrounding neighborhood context: • Compatible Height and Massing: The two-story homes are consistent with existing residential structures nearby and are appropriately scaled for the area. • Setbacks and Layout: The Project would meet setback requirements, and spacing between homes reflects nearby neighborhood patterns. • Traffic Considerations: The site's two access driveways on Parmelee Avenue distribute vehicle circulation and avoid overloading a single point of ingress/egress, minimizing local traffic impacts.
Policy LU-6.2: Housing Diversity Initiative. Provide a variety of housing types and sizes with varying levels of affordability in residential and mixed-use developments.	**Consistent:** The Project provides housing at multiple affordability levels, including 48 market-rate homes and 12 affordable homes. This promotes socioeconomic diversity and begins to meet the City's goal of providing varied housing opportunities.
Policy LU-6.3: Inclusive Zoning Standards. Ensure zoning regulations accommodate a range of housing types at all price levels, both ownership and rental, for people in all stages of life.	**Consistent:** By integrating both ownership housing and affordable units within a single development, the Project supports the intent of zoning inclusivity, accommodating a broader range of residents across different income levels and life stages.
Policy LU-6.4: Mixed-Income Community Promotion. Promote mixed-income communities with mixed housing types to create inclusive and economically diverse neighborhoods.	**Consistent:** The Project is a mixed-income community, with 20 percent of units designated as affordable. This helps reduce economic segregation and fosters an inclusive

Table 1
Project Consistency with the General Plan

Policies	Consistency Analysis
	neighborhood environment, consistent with broader citywide housing equity objectives.
Policy LU-6.5: Comprehensive Housing Integration Policy. Require new large residential developments to integrate a range of housing types and unit sizes.	**Consistent:** The Project integrates a mix of affordable and market-rate units within a single cohesive site plan. While all homes are single-family in form, their varying affordability levels help address diverse housing needs.
Policy LU-6.6: Innovative Housing Solutions Program. Consider innovative housing types and services that meet the needs of the community.	**Consistent:** Though not unconventional in typology (single-family homes), the Project supports affordability and land efficiency in a low-density zone, which is a practical response to local housing needs. Its use of previously undeveloped land for integrated market and affordable housing reflects an innovative application of existing planning tools.
Policy LU-8.2: Open Space Requirement. Require the provision of adequate on-site open space and communal areas for residential developments.	**Consistent:** While the narrative does not specify exact open space allocations, the low-density single-family layout typically includes private yard space, sidewalks, and shared streetscapes. These areas collectively function as usable open space for residents and satisfy this policy.
Policy LU-8.3: Green Streetscape Promotion. Promote greenery and active street frontages throughout the City by requiring well-landscaped and well-maintained setbacks, including sidewalks that meander and/or otherwise set back from the curb face.	**Consistent:** The inclusion of landscaped front yards, downward-shielded lighting, and standard streetlights promotes a well-maintained and visually pleasing streetscape. These features enhance pedestrian comfort and reinforce neighborhood identity.
Policy LU-9.1: Neighborhood Preservation. Retain the City's character by maintaining the scale of established residential neighborhoods and integrating new higher density residential development into the community fabric.	**Consistent:** The Project maintains the scale and character of surrounding low-density residential neighborhoods. The two-story, 30-foot-tall homes are compatible in height and massing, preserving community character.
Policy LU-9.10: Streetscape Enhancement. Create streetscapes that include amenities for visual interest and pedestrian accommodation, sidewalks that are offset from the curb, seating, trees for shade, and green buffers.	**Consistent:** With internal driveways, pedestrian pathways, and enhanced lighting, the Project supports visual interest and pedestrian safety. Landscaping will further enhance visual character and comfort, contributing to a complete and walkable neighborhood.
Policy LU-9.11: Green Infrastructure Integration. Integrate green infrastructure elements, such as urban greening, bioswales, community gardens, and street trees, into residential neighborhoods, Compton Creek, and commercial districts to enhance aesthetics, improve air quality, mitigate urban heat island effects, and promote community health and well-being.	**Consistent:** The landscaping associated with the development presents an opportunity for tree planting and bioswales to manage stormwater, reduce urban heat, and support environmental goals.

Table 1
Project Consistency with the General Plan

Policies	Consistency Analysis
Policy LU-9.14: Sustainable Development Integration. Use sustainable building methods in accordance with the sustainable development policies in the Urban Systems Element.	**Consistent:** The Project would comply with California Green Building Standards Code (CALGreen). Thus, the Project inherently incorporates sustainable design and construction practices.
Policy LU-9.26: Surface Parking Reduction. Reduce the visual impact of surface parking lots through visual screening.	**Consistent:** The Project avoids large surface parking lots by providing private garages for each home and 22 distributed guest parking spaces, minimizing visual impacts and reducing paved impervious surfaces.
Policy LU-11.1: Affordable Housing Production. Prioritize the development of affordable housing options within residential neighborhoods and along commercial corridors, ensuring that housing remains accessible and affordable for residents of diverse income levels while also supporting inclusive and equitable community growth, including middle-income housing, to help offset the displacement of the existing population.	**Consistent:** By including 12 affordable units (20 percent of the total) within a market-rate residential subdivision, the Project meaningfully contributes to the City's affordable housing supply and supports inclusive growth in a residential neighborhood context.
Policy LU-11.5: Equitable Housing. Address racial and economic segregation in the city by creating housing opportunities that address historic patterns of discrimination and exclusion.	**Consistent:** The mixed-income nature of the Project contributes to reducing economic segregation and supporting housing equity goals. By integrating affordable units into a traditionally market-rate development model, the Project reflects a commitment to overcoming historic exclusionary patterns in land use.
Mobility Element	
Policy OM-1.1: Pedestrian Infrastructure Improvements. Prioritize the enhancement of pedestrian infrastructure citywide to create a safe, accessible, and interconnected network of walkways for pedestrians of all ages and abilities.	**Consistent:** The Project includes internal private roadways with pedestrian walkways and lighting, supporting a safe and walkable neighborhood environment. The layout encourages walking by providing clear access to each home and connecting pathways. Additionally, the site's proximity to schools and commercial areas enhances pedestrian connectivity beyond the site.
Policy OM-1.4: Sidewalk Maintenance and Repair. Establish a comprehensive sidewalk maintenance and repair program to address sidewalk deficiencies, hazards, and obstructions.	**Consistent:** As part of Project implementation, the developer would be responsible for constructing new sidewalks along Parmelee Avenue and maintaining pedestrian pathways within the project site. This supports the City's goal to improve sidewalk infrastructure and eliminate hazards along public rights-of-way.
Policy OM-1.6: Pedestrian Amenities. Increase the availability of pedestrian amenities such as benches, shelters, lighting, and	**Consistent:** While the Project includes lighting along internal streets and residential frontages, further enhancement opportunities could include benches or signage at entry points to increase

Table 1
Project Consistency with the General Plan

Policies	Consistency Analysis
wayfinding signage at key destinations and along pedestrian corridors.	comfort for pedestrians. The lighting improves visibility and safety, directly aligning with this policy.
Policy OM-1.8: Sidewalk Shading. Expand tree canopies and other shading strategies to minimize hot climate conditions for pedestrians.	**Consistent:** The Project's landscaping plans street trees and parkway planting, which contribute to pedestrian shading. Tree planting not only reduces heat exposure but also improves the visual appeal of the neighborhood.
Policy OM-5.4: Driveway Access. Require that driveway access points onto arterial roadways be limited in number and location or shared jointly to ensure the smooth and safe flow of vehicles and bicycles.	**Consistent:** The Project includes two access driveways along Parmelee Avenue, strategically located at the northeast and southwest corners of the site. This design minimizes the number of curb cuts and helps maintain a smooth and safe flow of traffic and bicycles on Parmelee Avenue, consistent with this policy.
Policy OM-6.1: Integrated Transportation and Land Use. Align transportation and land use planning to decrease vehicle miles traveled and reduce greenhouse gas emissions.	**Consistent:** The Project places new housing in close proximity to existing commercial corridors (El Segundo Boulevard), schools, and public transportation routes, helping to reduce reliance on vehicle trips. By encouraging residential infill near community amenities, the Project aligns transportation and land use planning to reduce VMT and associated emissions.
Policy OM-6.2: GHG Reduction. Work to reduce greenhouse gas emissions through reduction in Vehicle Miles Traveled (VMT) achieved via land use planning, improved transit access, and improved active transportation infrastructure.	**Consistent:** The Project supports GHG reduction goals by: • Promoting residential infill rather than sprawl • Locating housing near existing transit options and commercial services • Offering walkability within and around the site • Incorporating energy-efficient construction standards pursuant to CALGreen. These factors contribute to a reduction in VMT and a lower carbon footprint per household.
Policy OM-9.3: Bicycle Parking and Storage. Increase the availability of secure and convenient bicycle parking and storage facilities within activity areas and transit stations, including the expansion of bike racks, lockers, and other amenities at key destinations to support cyclists' needs.	**Consistent:** While the Project does not include dedicated bicycle racks or lockers, each single-family home includes a garage, which offers secure and convenient private bicycle storage. The low-density residential nature of the Project makes this provision appropriate and effective for supporting bicycle use among residents.
Community Service Element	
Policy CR-2.1: Building Energy Efficiency Standards. Require new construction and major renovations to comply with energy efficiency	**Consistent:** The Project will be constructed in accordance with Title 24 of the California Building Standards Code, including requirements for

Table 1
Project Consistency with the General Plan

Policies	Consistency Analysis
standards established by the California Energy Commission (Title 24), incorporating measures such as high-efficiency HVAC systems, insulation, and lighting to reduce energy consumption and greenhouse gas emissions.	energy-efficient HVAC, insulation, and lighting, thereby reducing energy use and GHG emissions.
Policy CR-2.2: Energy-Efficient Lighting. Encourage the use of energy-efficient lighting technologies, such as LED fixtures, in public facilities, streetlights, and outdoor spaces to reduce electricity consumption, improve visibility, and enhance safety.	**Consistent:** The Project includes LED or similarly efficient lighting for both streetlights and exterior residential fixtures. These lights would be shielded and downward facing, promoting energy efficiency while enhancing safety and visibility.
Policy CR-3.1: Residential Water Conservation. Implement public education campaigns and outreach programs to raise awareness about water conservation practices, including efficient irrigation techniques, water-saving fixtures, and indoor water use reduction strategies.	**Consistent**: New homes will be equipped with low-flow plumbing fixtures and efficient irrigation systems as required by State law. Landscaping will likely utilize drought-tolerant species, and residents would be eligible for regional water conservation rebate programs.
Policy CR-3.2: Water Conservation Incentives. Provide incentives and rebates for residents to invest in water-efficient appliances, such as low-flow toilets, water-saving washing machines, smart irrigation controllers, and drought tolerant landscaping to reduce household water consumption.	**Consistent:** New homes will be equipped with low-flow plumbing fixtures and efficient irrigation systems as required by State law. Landscaping will likely utilize drought-tolerant species, and residents would be eligible for regional water conservation rebate programs.
Policy CR-4.1: Recycling. Recommend to property owners, businesses, and multifamily housing complexes to provide recycling bins or containers and facilitate the collection and recycling of recyclable materials in accordance with local regulations.	**Consistent:** The Project will comply with City and County recycling regulations by providing bins for solid waste, recyclables, and potentially green waste, in line with statewide mandates (e.g., SB 1383).
Policy CR-4.3: Construction Waste. Promote construction waste reduction and recycling practices to divert construction and demolition debris from landfills and maximize the reuse and recycling of materials throughout the building lifecycle.	**Consistent:** The Project must prepare and implement a Construction Waste Management Plan, diverting a minimum percentage of debris from landfills through reuse or recycling, as required under CALGreen and local ordinance.
Policy CR-5.3: Expand Tree Coverage. Increase tree canopy coverage within the urban environment to provide shade, enhance biodiversity, and improve air quality and aesthetics.	**Consistent:** The Project will include landscaping and tree planting throughout the site and along internal roadways, helping to expand the City's tree canopy, enhance aesthetics, and reduce urban heat island effects.
Policy CR-5.5: Tree Expansion. Target new development for increase tree planting requirements, including parking lots, and focus on tree plantings on street corridors, parks, open spaces, as well as along the Compton Creek,	**Consistent:** The Project will include landscaping and tree planting throughout the site and along internal roadways, helping to expand the City's tree canopy, enhance aesthetics, and reduce urban heat island effects.

Table 1
Project Consistency with the General Plan

Policies	Consistency Analysis
Los Angeles River corridors, and along Alameda Corridor.	
Policy CR-5.6: Drought-Resilient Landscaping. Use native plant species and sustainable landscaping practices in Compton's open spaces to increase drought resilience and reduce the city's overall carbon footprint.	**Consistent:** The use of native and drought-tolerant plants would be part of the Project's landscape design, in line with City and regional water conservation policies.
Policy CR-6.1: Transportation Emissions Reduction. Promote alternative transportation modes, such as walking, biking, public transit, and carpooling, to reduce vehicle miles traveled and associated air pollution emissions.	**Consistent:** The Project Site is within walking distance of commercial services and schools, supporting non-vehicular trips. Lighting and sidewalks further promote walkability.
Policy CR-6.3: Sustainable Land Use and Urban Planning. Encourage compact, mixed-use development patterns and transit-oriented development.	**Consistent:** This infill development optimizes land use in an already urbanized area, reducing sprawl and encouraging proximity to transit and services, consistent with sustainable planning practices.
Policy CR-7.5: Water Conservation Initiatives. Implement comprehensive water conservation practices, including rainwater harvesting and drought-resistant landscaping, to secure a reliable water supply while reducing infrastructure costs.	**Consistent:** The Project would include stormwater retention features and drought-tolerant landscaping, reducing potable water demand and improving site hydrology.
Policy CR-7.6: Energy Efficiency Promotion. Encourage energy conservation and the use of the California Green Building Code to reduce greenhouse gas emissions, utility bills, and improve overall air quality.	**Consistent:** In addition to Title 24 compliance, homes would meet CALGreen minimums, and would include solar-electric infrastructure, helping reduce GHG emissions and utility costs.
Public Safety Element	
Policy PS-1.9: Crime Prevention Design. Promote the design of well-lit, pedestrian-friendly environments with clear sightlines, defined activity nodes, and natural surveillance opportunities to discourage criminal behavior and increase feelings of safety.	**Consistent:** The Project incorporates CPTED principles, including clear sightlines, street lighting, defined pathways, and natural surveillance opportunities.
Policy PS-2.4: Code Compliance and Enforcement. Enforce compliance with fire safety codes, regulations, and standards governing building construction, occupancy classification, fire protection systems, and emergency access requirements to minimize fire risks and ensure occupant safety.	**Consistent:** All buildings will be constructed to current fire and life safety codes, ensuring safe occupancy and facilitating emergency response access.
Policy PS-2.8: Fire Protection Services. Ensure adequate Fire Department staffing levels to evaluate fire station locations, response times, coverage areas, and personnel ratios, providing comprehensive safety and protection	**Consistent:** The Project increases residential density in an area already served by existing Compton Fire Department infrastructure, aligning with the City's strategy to optimize emergency response service coverage.

Table 1
Project Consistency with the General Plan

Policies	Consistency Analysis
services to support existing and future population growth.	
Policy PS-3.1: Geologic Studies: Require site-specific geotechnical investigations and geotechnical reports for any proposed development projects within seismic hazard zones and to determine the need for structural design or modification to ensure safer development.	**Consistent:** A site-specific geotechnical investigation has been conducted, and all structures will meet seismic-resistant design standards, consistent with the CBC and City requirements.
Policy PS-3.3: Building Code Compliance: Enforce strict adherence to seismic-resistant building codes and standards in new construction, renovation, and retrofitting projects to ensure the structural safety and integrity of buildings.	**Consistent:** A site-specific geotechnical investigation has been conducted, and all structures will meet seismic-resistant design standards, consistent with the CBC and City requirements.
Policy PS-4.2: Stormwater Management. Implement stormwater management strategies, such as green infrastructure, detention basins, and flood control channels, to reduce the risk of urban flooding and improve drainage during heavy rainfall events.	**Consistent:** The Project will be required to comply with Los Angeles County MS4 permit requirements, which include low-impact development (LID) stormwater management features to reduce runoff and improve water quality.
Urban Systems Element	
Policy US-7.2: Energy Efficiency. Implement programs to reduce peak electricity consumption, lower costs, and manage peak demand on the grid.	**Consistent:** By using energy-efficient design and materials, and reducing peak loads through smart building practices, the Project supports City objectives to lower electricity consumption and manage grid demand.
Policy US-9.2: Energy Efficiency. Implement programs to reduce electricity consumption, lower costs, and manage peak demand on the grid.	**Consistent:** By using energy-efficient design and materials, and reducing peak loads through smart building practices, the Project supports City objectives to lower electricity consumption and manage grid demand.

Zoning Code Consistency Discussion

The Project Site zoned RL (Low-Density Residential), a designation intended for single-family housing on individual lots. Under RL zoning, new subdivisions typically require a minimum lot size of 5,000 square feet per dwelling. This standard translates to roughly 8 to 9 units per acre under conventional development. On a 4.59-acre parcel (about 199,900 square feet), the base zoning would yield on the order of 39 to 40 single-family lots/units without any special allowances. The Project proposes 60 units, which is a higher density (approximately 13 units/acre). However, the Project qualifies for processing under a provision of the California Housing Accountability Act commonly referred to as the “Builder’s Remedy.” The Builder’s Remedy is formally codified in Government Code Section 65589.5(d)(5), and it prevents an agency from denying a qualifying residential project, notwithstanding inconsistencies with the City’s zoning ordinance. Thus, the

Project is allowed despite the current zoning regulations because the “Builder’s Remedy” protections of the California Housing Accountability Act render conflicting zoning regulations, including density restrictions, inapplicable to the Project.

The RL zone imposes limits on building height to ensure houses remain of similar scale to typical single-family neighborhoods. Although the Builder’s Remedy renders such height restrictions inapplicable to the Project, the Project’s proposed two-story homes would only reach approximately 30 feet in height and thus complies with RL zone’s height limit. Moreover, each of the 60 homes is designed with a two-car garage, satisfying the basic off-street parking requirement for single-family dwellings. The City requires two parking spaces per single-family unit, typically in an enclosed garage. The inclusion of attached two-car garages for every house meets this standard.

Because the development uses private internal roadways (rather than public streets) to access the homes, additional guest parking provisions apply to the Project. Compton’s zoning guidelines for planned developments and subdivisions anticipate such private drives and require that guest parking be provided for residents and visitors. The Project includes 22 visitor parking spaces dispersed along the private drives or in designated bays. This ensures that guests can park without overcrowding the narrow private streets or individual driveways.

The use of private roadways is permissible in an RL-zoned subdivision, but such roads must be built to city standards for safety and maintenance. Compton’s code requires that private streets and driveways in residential projects be constructed to proper structural and design standards (similar to public streets). The Project Applicant would ensure the internal roads have adequate pavement thickness, drainage, fire lane is consistent with the City’s Zoning Code.

The Project conforms to the intent and applicable regulations of the RL zone. It provides compatible single-family housing in a low-density format, and with the granted density bonus for including affordable units, the Project reflects the density/intensity envisioned for the site. The RL zoning is upheld by the Project, as the use and adjusted density fall within the Project’s parameters when affordable housing incentives are applied.

Finally, it is noted that Project inconsistency with zoning regulations is not, in and of itself, evidence of a significant environmental effect of the Project. The Project’s potentially significant environmental impacts are analyzed in other sections of this document to the extent required by Public Resources Code Section 20180.1(b)..

ATTACHMENTS

Attachment B: Historical/Archaeological Resources Survey Report

HISTORICAL/ARCHAEOLOGICAL RESOURCES SURVEY REPORT

COMPTON 60 PROJECT

Assessor Identification No. 6145-004-060, 2320 N. Parmelee Avenue
City of Compton, Los Angeles County, California

For Submittal to:

Community Development Department, Planning Division
City of Compton
205 S. Willowbrook Avenue
Compton, CA 90220

Prepared for:

G3 Urban
15235 S. Western Avenue
Gardena, CA 90249

Prepared by:

CRM TECH
1016 E. Cooley Drive, Suite A/B
Colton, CA 92324

Bai "Tom" Tang, Principal Investigator
Michael Hogan, Principal Investigator

February 27, 2025
CRM TECH Contract No. 4176

Title:	Historical/Archaeological Resources Survey Report: Compton 60 Project, Assessor Identification No. 6145-004-060, 2320 N. Parmelee Avenue, City of Compton, Los Angeles County, California
Author(s):	Bai "Tom" Tang, Principal Investigator Frank Raslich, Archaeologist/Report Writer Hunter O'Donnell, Archaeologist/Historian Jayson Bonilla, Archaeologist
Consulting Firm:	CRM TECH 1016 E. Cooley Drive, Suite A/B Colton, CA 92324 (909) 824-6400
Date:	February 27, 2025
For Submittal to:	Community Development Department, Planning Division City of Compton 205 S. Willowbrook Avenue Compton, CA 90220 (310) 605-5532
Prepared for:	Jordan Gardner G3 Urban 15235 S. Western Avenue Gardena, CA 90249 (424) 396-3188
USGS Quadrangle:	South Gate, Calif., 7.5' quadrangle; La Tajauta land grant; T3S R13W, San Bernardino Baseline and Meridian
Project Size:	Approximately 4.34 acres
Keywords:	Southern Los Angeles Basin; Phase I historical/archaeological resources survey; Site 4176-01H*: foundational remains of Air National Guard Armory; not a "historical resource" under CEQA due to lack of historical integrity

* *Temporary designation, pending assignment of a permanent identification number in the California Historical Resources Inventory*

EXECUTIVE SUMMARY

Between September 2024 and February 2025, at the request of G3 Urban, CRM TECH performed a cultural resources survey on approximately 4.34 acres of previously developed urban land in the southeastern portion of the City of Compton, Los Angeles County, California. The subject property of the study, Assessor Identification No. 6145-004-060, is located at 2320 N. Parmelee Avenue, approximately 500 feet south of El Segundo Boulevard, in a portion of the La Tajauta land grant lying within what would the northwest quarter of Section 16, Township 3 South, Range 13 West, San Bernardino Baseline and Meridian.

The study is part of the environmental review process for a proposed 60-unit multi-family residential project known as Compton 60. The City of Compton, as the lead agency for the project, required the study in compliance with the California Environmental Quality Act (CEQA). The purpose of the study is to provide the City with the necessary information and analysis to determine whether the proposed project would cause substantial adverse changes to any "historical resources," as defined by CEQA, that may exist in or near the project area. In order to identify such resources, CRM TECH conducted a historical/archaeological resources records search, initiated a Native American Sacred Lands File search, pursued historical background research, and carried out an intensive-level field survey.

As a result of these procedures, the foundational remains and other remnants of a circa 1950 Air National Guard Armory were identified on the property and recorded into the California Historical Resources Inventory under the temporary designation of Site 4176-1H, pending assignment of a permanent identification number. The site was subsequently determined not to be eligible for listing in the California Register of Historical Resources. Therefore, it does not meet the statutory definition of a "historical resource" for CEQA-compliance purposes. No other potential "historical resources" were encountered within the project area.

Based on these findings, CRM TECH recommends to the City of Compton a finding of *No Impact* regarding historical resources. No further cultural resources investigation is recommended for the project unless development plans undergo such changes as to include areas not covered by this study. However, if buried cultural materials are encountered during any earth-moving operations associated with the project, all work in the immediate area should be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the finds.

TABLE OF CONTENTS

LIST OF FIGURES

INTRODUCTION

Between September 2024 and February 2025, at the request of G3 Urban, CRM TECH performed a cultural resources survey on approximately 4.34 acres of previously developed urban land in the southeastern portion of the City of Compton, Los Angeles County, California (Fig. 1). The subject property of the study, Assessor Identification No. 6145-004-060, is located at 2320 N. Parmelee Avenue, approximately 500 feet south of El Segundo Boulevard, in a portion of the La Tajauta land grant lying within what would the northwest quarter of Section 16, Township 3 South, Range 13 West, San Bernardino Baseline and Meridian (Figs. 2, 3).

The study is part of the environmental review process for a proposed 60-unit multi-family residential project known as Compton 60. The City of Compton, as the lead agency for the project, required the study in compliance with the California Environmental Quality Act (CEQA; PRC §21000, et seq.). The purpose of the study is to provide the City with the necessary information and analysis to determine whether the proposed project would cause substantial adverse changes to any "historical resources," as defined by CEQA, that may exist in or near the project area.

In order to identify such resources, CRM TECH conducted a historical/archaeological resources records search, initiated a Native American Sacred Lands File search, pursued historical background research, and carried out an intensive-level field survey. The following report is a complete account of the methods, results, and final conclusion of the study. Personnel who participated in the study are named in the appropriate sections below, and their qualifications are provided in Appendix 1.

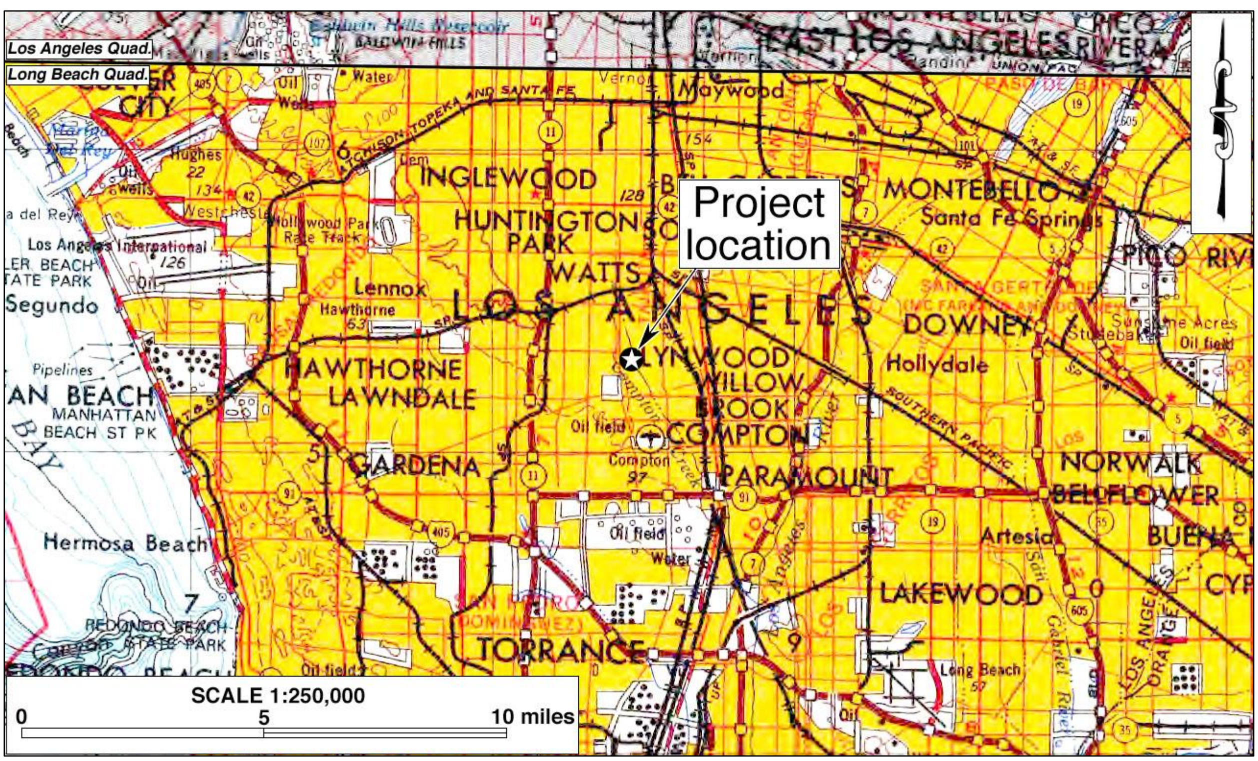


Figure 1. Project vicinity. (Based on USGS Los Angeles and Long Beach, Calif., 120'x60' quadrangles [USGS 1975; 1978])

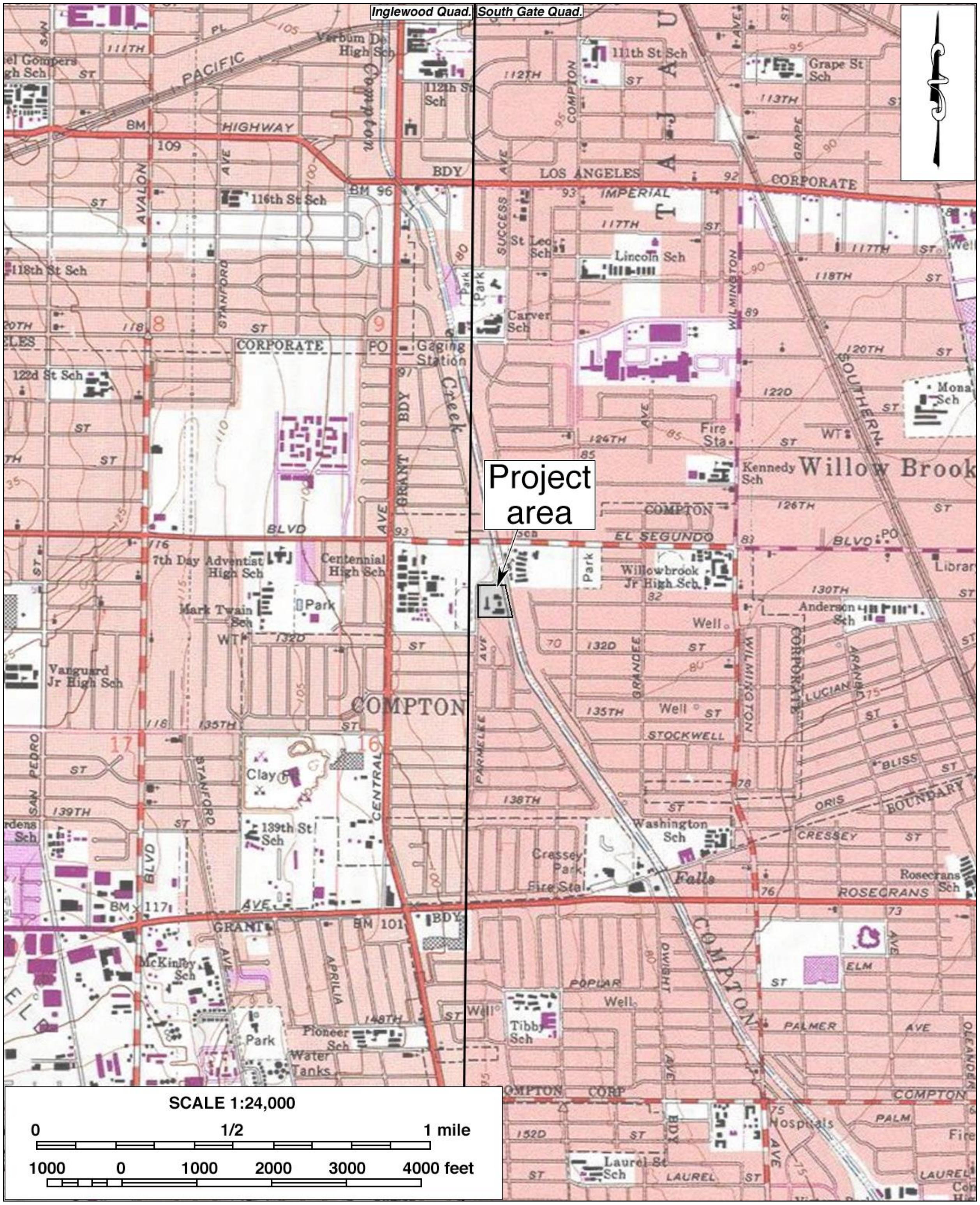


Figure 2. Project location. (Based on USGS Inglewood and South Gate, Calif., 7.5’ quadrangles [USGS 1981a; 1981b])

Figure 3. Recent aerial photograph of the project area. (Based on Google Earth imagery)

SETTING

CURRENT NATURAL SETTING

Situated in southern Los Angeles County, the City of Compton is a fully urbanized community of nearly 100,000 residents, where typical land uses range from low-density residential to heavy manufacturing. In its pre-urban state, the most prominent natural feature of the surrounding area would have been Compton Creek, a major tributary of the Los Angeles River. The Compton Creek watershed lies in the southern portion of the Los Angeles Basin and drains a 42.1-square-mile area. The natural environment of the region is characterized by its Mediterranean climate, featuring hot, dry summers with average high temperatures in the mid-80s (Fahrenheit) and mild, rainy winters with average low temperatures in the mid-40s, typical of southern California lowlands. Annual rainfall in the region averages just over 12 inches, the majority of which occurs between November and March.

The project area comprises a generally trapezoid-shaped parcel of vacant land enclosed by a chain-link fence. It is bounded by Compton Creek on the east and by Parmelee Avenue on the north and west, and the surrounding land uses features single-family residential neighborhoods to the east and south, sports field of the Compton Centennial High School to the west and north, and Dr. Ronald E. McNair Elementary School to the northeast (Fig. 3). While there currently are no buildings in the project area, historical map and aerial/satellite photographs indicates at least four large buildings once stood on the property (Fig. 2). Currently present are their remains in the form of concrete slab foundations and piles of building debris, such as pieces of concrete, bricks, and asphalt (Figs. 3, 4). The terrain in the vicinity is generally level, and the elevations range approximately around 85-83 feet above mean sea level. Vegetation on the property includes both sprays of native and invasive weeds and grasses as well as palm trees, most of which stand near the project boundaries.

Figure 4. Overview of the project area. (Photograph taken on December 6, 2024; view to the northwest)

CULTURAL SETTING

Prehistoric Context

It is widely acknowledged that human occupation in what is now the State of California began 8,000-12,000 years ago. To describe and understand the cultural processes that occurred over the ensuing years, archaeologists developed a number of chronological frameworks that endeavor to correlate the technological and cultural changes to distinct time periods that are observable in archaeological record. The general framework for the prehistory of the southern Californian coastal region is outlined in Moratto (1984), which is the basis for the following discussion.

According Moratto (1984), migration of indigenous groups from the interior deserts of southern California to the already inhabited coastal region took place around 7,500 years ago. Unfortunately, very little is known about the coastal groups during this early period. As people arrived from the interior a fusion of regional cultural traits, specifically those pertaining to subsistence procurement, occurred between the newcomers and original coastal inhabitants. The newcomers introduced new plant resources and plant-processing techniques to the coastal groups, and at the same time learned to exploit more intensively the littoral resources.

Archaeological investigations at various sites along the southern Californian coast have uncovered valuable data regarding later time periods in this region. Sites dating to the La Jolla I Period, ca. 5500-3500 B.C., have yielded numerous millingstone tools, crudely shaped scrapers, and flexed burials. The La Jolla II Period, ca. 3500-2000 B.C., is distinguished from the previous period by the presence of cemeteries, discoidals, and various projectile point types. Following this is the La Jolla III Period, ca. 2000-1000 B.C., which is characterized by the influence of Yuman cultural traits from the east on coastal cultures.

This second intrusion of eastern groups to the area, increased exploitation of terrestrial food sources further diminished coastal people’s dependence on littoral resources. As they increasingly focused on acorn-processing activities, indigenous groups along the southern Californian coast slowly began settling the interior regions. There was also a shift from inhumation to cremation around 500 B.C., possibly another result of eastern influences.

Ethnohistoric Context

Although there is little direct information in ethnographic literature about the Compton area, it is known to be part of the traditional territory of the Gabrielino, a Takic-speaking people who were probably the most populous, wealthiest, and therefore most powerful ethnic nationality in aboriginal southern California (Bean and Smith 1978:538). Unfortunately, most Gabrielino cultural practices had declined long before systematic ethnographic studies were instituted. Today, the leading ethnographic sources on Gabrielino culture are Bean and Smith (1978), Miller (1991), and McCawley (1996).

According to archaeological record, the Gabrielino were not the first inhabitants of the region. Evidence suggests they may have arrived as early as the Middle Holocene, replacing or inter-marrying with indigenous Hokan speakers (Howard and Raab 1993; Porcasi 1998). By the time of European contact, the Gabrielino’s territory included the southern Channel Islands and the Los

Angeles Basin, reaching east into the present-day San Bernardino-Riverside area and south into southern Orange County, and their influence spread as far as the San Joaquin Valley, the Colorado River, and Baja California.

In equilibrium with the natural environment, different groups of the Gabrielino adopted different types of subsistence economy, albeit all based on some combination of gathering, hunting, and/or fishing. In inland areas, the predominant food sources were acorns, sage, deer, and various small animals, including birds. Because of the similarities to other southern California tribes in economic activities, the inland Gabrielino groups' industrial arts, dominated by basket weaving, demonstrated no substantial difference from those of their neighbors. Coastal Gabrielino material culture, on the other hand, reflected an elaborately developed artisanship most recognized through the medium of steatite, which was rivaled by few other groups in southern California.

The intricacies of Gabrielino social organization are not well known, although there is evidence indicating the existence of a moiety system in which various clans belonged to one or the other of two main social/cultural divisions. There also seems to have existed at least three hierarchically ordered social classes, topped with an elite consisting of the chiefs, their immediate families, and the very rich. Some individuals owned land, and property boundaries were marked by the owner's personalized symbol. Villages were politically autonomous, composed of nonlocalized lineages, each with their own leader. The dominant lineage's leader was usually the village chief, whose office was generally hereditary through the male line. Often several villages were allied under the leadership of a single chief. The villages were frequently engaged in warfare against one another, resulting in what some consider to be a state of constant enmity between coastal and inland Gabrielino groups.

As early as 1542, the Gabrielino were in contact with the Spanish during the historic expedition of Juan Rodríguez Cabrillo, but it was not until 1769 that the Spaniards took steps to colonize Gabrielino territory. Shortly afterwards, most of the Gabrielino people were incorporated into Mission San Gabriel and other missions in southern California. Due to introduced diseases, dietary deficiencies, and forceful reduction, Gabrielino population dwindled rapidly. By 1900, they had almost ceased to exist as a culturally identifiable group. In recent decades, however, there has been a renaissance of Native American activism and cultural revitalization among a number of groups of Gabrielino descendants.

Historic Context

The first Europeans to visit the Los Angeles basin in the late 18th century were Spanish explorers and missionaries, among them Gaspar de Portolá, who led the first Spanish land expedition from San Diego to the San Francisco Bay, passing through what would become Los Angeles (Beck and Haase 1974:15).). In the wake of the journey, Franciscan padre Junípero Serra established 21 Catholic missions in Alta California, including Mission San Gabriel, established in 1771 on what is now Montebello (Robinson 1948:45-53). Ten years later, in an effort to ease dependence on the mission, the Spanish governor of Alta California recruited several dozen poor *pobladores* from Sonora and Sinaloa, Mexico, to farm, build, and live on a patch of land to be called *El Pueblo de Nuestra Señora la Reina de los Ángeles del Rio de Porciuncula*, Spanish for "the Town of Our Lady the Queen of the Angels by the River of Porciúncula" (Bean and Rawls 1988:33).

The role of Los Angeles, as the *pueblo* came to be called, was a pivotal center for commercial and social activities in the mid-1780s that was further enhanced by the Spanish colonial government's concessions of vast tracts of land, or *ranchos*, to soldiers set to retire from service (Ethington 2005). The first of these concessions was Rancho San Pedro, awarded in 1784 to Juan Jose Dominguez, a retired Spanish soldier who came to California with the Portola expedition and later with Father Junipero Serra. The original 75,000-acres land grant encompassed the entirety of Los Angeles harbor and, at its northernmost end, a portion of present-day Compton (Domingo Rancho Adobe Museum n.d.). The wealth of the *ranchos* revolved around cattle raising, a wildly lucrative business that provided scaffolding for the economic and social development of the region for nearly a century.

After gaining independence from Spain in 1821, the Mexican authorities began in 1834 the process of secularization to dismantle the mission system in Alta California. During the next 12 years, former mission landholdings throughout Alta California were surrendered to the Mexican government and subsequently divided and granted to various prominent citizens of the province. In 1843, the project area became a part of the 3,560-acre La Tajauta land grant, which was awarded to Anastasio Avila, a former magistrate of the *pueblo* of Los Angeles (U.S. District Court 1852-1857). After the U.S. annexation of Alta California in 1846, the land grant was confirmed and patented to Enrique Avila, son of the original grantee (*ibid.*).

The U.S. annexation eventually brought an end to the now-romanticized *rancho* lifestyle, as American settlers flooded Alta California during the second half of the 19th century. The discovery of gold and other precious metals in the Sierra Nevada drew a stampede of hopeful miners to California, increasing demand for beef and other cattle products throughout the state. After the Gold Rush waned in the mid-1850s, a diaspora of former miners to better economic opportunities began. Compton was established in 1867 by Griffith Dickenson Compton and a group of 30 pioneering families who migrated from Stockton (City of Compton n.d.). The newcomers bought land for $5 per acre from the 4,600-acre Temple and Gibson Tract, eponymously named for owners F.P.F. Temple and F.W. Gibson. Their settlement was originally named Gibsonville, later Comptonville, and then Compton to avoid confusion with another town. The city was incorporated on May 11, 1888, making it the eighth city in the state to do so (*ibid*.)

The Southern Pacific Railroad reached southern California in 1876, followed by the competing Atchison, Topeka and Santa Fe Railway in 1883-1885. The completion of the two transcontinental railways, especially the latter, was a huge catalyst for economic development in southern California (Ethington 2005). Port facilities, railway terminals, banks, factories, and oil fields were among the enterprises underway around the turn of the century. Transportation corridors and commuting patterns, fueled in part by the development of an interurban railway system—spearheaded by the Pacific Electric Railway—and a regional highway system, took shape as suburban development produced ever more tract houses. In the 1920s Compton Airport and Compton Junior College appeared on the scene, but the city suffered the Long Beach earthquake in 1933, which toppled schools and caused major damage to the main business district (City of Compton n.d.).

The early post-World War II years brought to an influx of African-American families the city, and the first African-American city councilman and mayor were elected in the 1960s (City of Compton n.d.). By the 1970s, the city was overwhelmingly African American, a demographic shift followed by a rise in Hispanic and Latino populations towards the end of the 20th century (*ibid*.). Nicknamed

"Hub City," Compton is located near the geographical center of Los Angeles County with several major freeways nearby. It is known today both as an industrial center and as a multi-cultural, multi-racial suburban residential community (*ibid*.).

RESEARCH METHODS

RECORDS SEARCH

On October 17, 2024, CRM TECH archaeologist Nina Gallardo conducted the cultural resources records search at the South Central Coastal Information Center (SCCIC), which is the State of California's official repository of cultural resource records for the County of Los Angeles. During the records search, Gallardo examined maps and records on file at the SCCIC to compile a complete inventory of previously identified historical/archaeological resources and existing cultural resources studies within a one-mile radius of the project area. Previously identified cultural resources include properties designated as California Historical Landmarks or Points of Historical Interest as well as those listed in the National Register of Historic Places, the California Register of Historical Resources, or the California Historical Resources Inventory.

SACRED LANDS FILE SEARCH

On September 27, 2024, CRM TECH submitted a written request to the State of California Native American Heritage Commission (NAHC) for a records search in the commission's Sacred Lands File. The NAHC is the State of California's trustee agency for the protection of "tribal cultural resources," as defined by California Public Resources Code §21074, and is tasked with identifying and cataloging properties of Native American cultural value, including places of special religious, spiritual, or social significance and known graves and cemeteries throughout the state. The response from the NAHC is summarized below and attached to this report in Appendix 2.

HISTORICAL RESEARCH

Historical background research for this study was conducted by CRM TECH archaeologist/historian Hunter O'Donnell on the basis of published literature in local and regional history as well as historic maps of the Compton area, aerial/satellite photographs of the project vicinity, and contemporary publications such as newspaper accounts. The historic maps, primarily the U.S. Geological Survey's (USGS) topographic maps dated 1896-1981, are available at the websites of the USGS. The aerial/satellite photographs, taken between 1952 and 2024, are available at the Nationwide Environmental Title Research (NETR) Online website and through Google Earth software.

FIELD SURVEY

On December 6, 2024, CRM TECH archaeologist Jayson Bonilla carried out the intensive-level field survey of the project area. The survey was conducted on foot by walking a series of parallel east-west transects spaced 3-4 meters (approximately 10-13 feet) apart. In this way, the ground surface in the entire project area was systematically and carefully examined for any evidence of human activities dating to the prehistoric or historic period (i.e., 50 years or older). Since most of the project area is occupied by concrete building pads and former road pavement, ground visibility was good except where thick, tamped-down vegetation is present, but the current ground surface retains little vestige of the native landscape. Considering the highly disturbed state of the property, the field survey was deemed adequate for the purpose of this study.

RESULTS AND FINDINGS

RECORDS SEARCH

According to records on file at the SCCIC, the project area had not been surveyed systematically for cultural resources prior to this study, and no cultural resources were previously recorded within or adjacent to the project boundaries. Within the one-mile scope of the records search, SCCIC records indicate that 34 previous studies were completed on various tracts of land and linear features between 1975 and 2014. The majority of these studies covered relatively small areas, such as tele-communication tower sites, or were conducted along the various public roadways, and none of them took place in the immediate vicinity of the project area (Fig. 5).

As a result of the past studies, two historical/archaeological sites were previously recorded within the one-mile radius, both of them dating to the historic period. Site 19-187085 represents a segment of the former course of the Mojave Road, an early wagon road that has been designated California Historic Landmark No. 963. Site 19-187545 represents two church buildings on El Segundo Boulevard in nearby Inglewood. Both of these sites are located more than three quarters of a mile to the east of the project area; therefore, they require no further consideration in this study. No prehistoric—i.e., Native American—cultural resources have been reported to the SCCIC within the scope of the records search.

SACRED LANDS FILE SEARCH

In response to CRM TECH's inquiry, the NAHC stated in a letter dated October 15, 2024, that the Sacred Lands File search identified no Native American cultural resources in or near the project area. Noting that the absence of specific site information would not necessarily indicate the absence of cultural resources, however, the NAHC recommended that local Native American groups be consulted for further information and provided a referral list of potential contacts in the region. The NAHC's reply is attached to this report in Appendix 2 for reference by the City of Compton in future government-to-government consultations with the pertinent Native American groups, if necessary.

HISTORICAL RESEARCH

Historic sources consulted for this study indicate that the City of Compton and the project vicinity have been the recipient of on-going development and urbanization since the turn of the 20th century (Figs. 6-11). In 1893-1894, Compton had already been established for nearly 30 years and incorporated for about six years, and a regular albeit widely spaced grid of roads was in place in the project vicinity with some building occurring alongside, but the project location near Compton Creek remained marshy and undeveloped (Fig. 6). By 1923, Compton Creek had been somewhat tamed by the installation of a series of culverts near the project area, an apparent preliminary

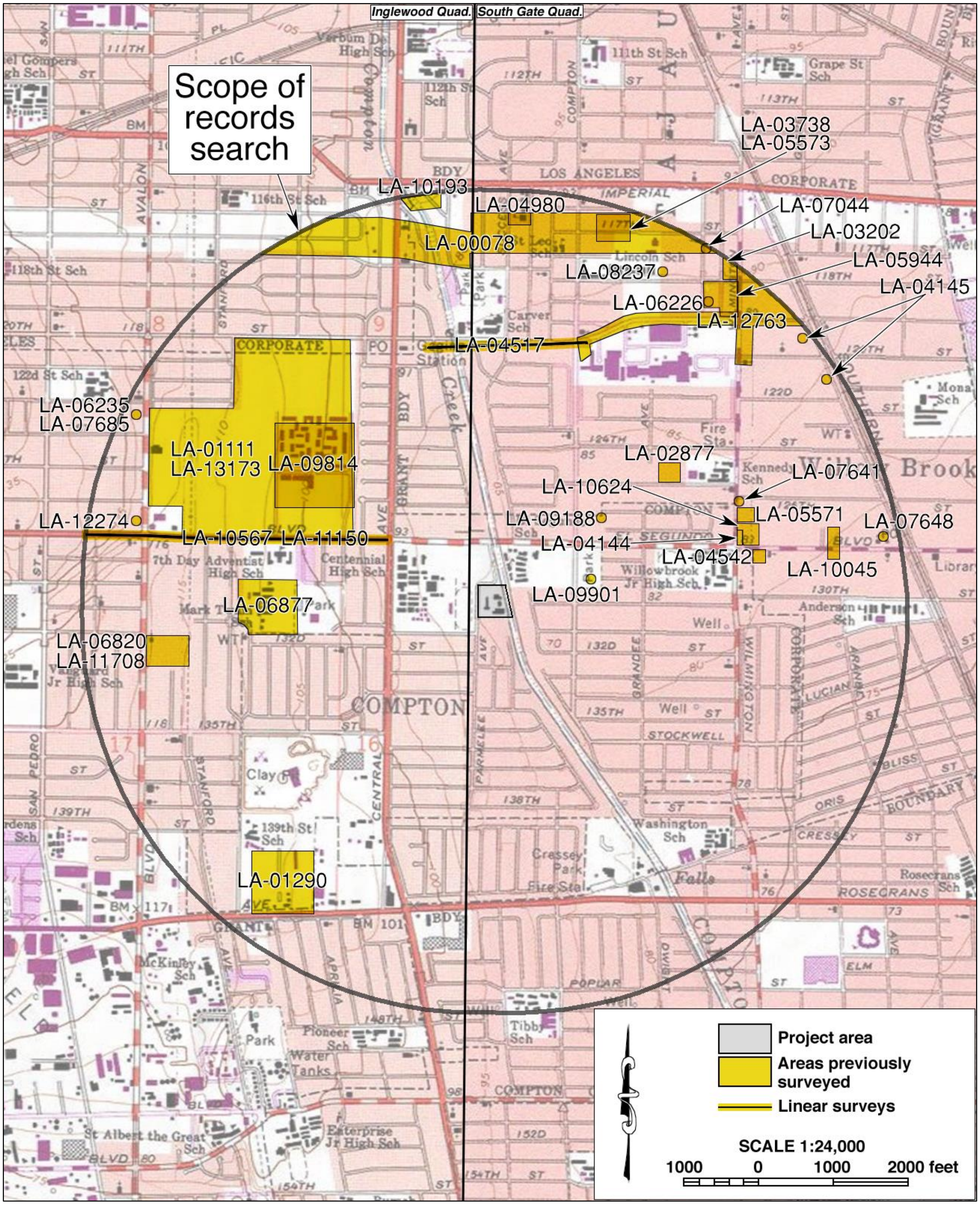


Figure 5. Previous cultural resources studies in the vicinity of the project area, listed by SCCIC file number. Locations of historical/archaeological sites are not shown as a protective measure.

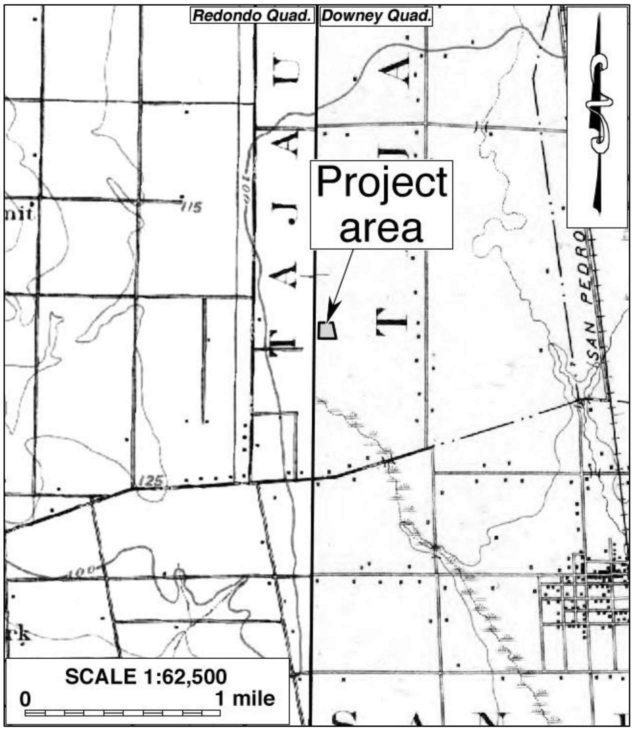


Figure 6. The project area and vicinity in 1893-1894. (Source: USGS 1896a; 1896b)

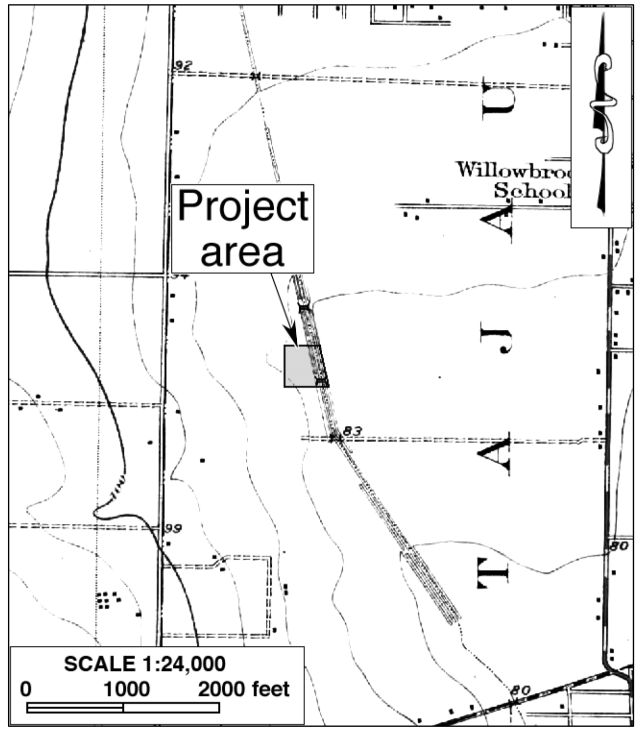


Figure 7. The project area and vicinity in 1923. (Source: USGS 1924)

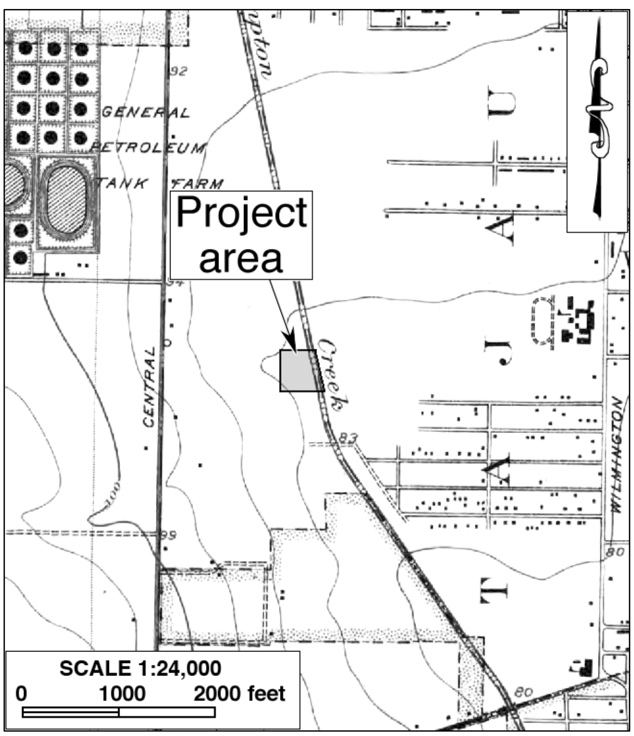


Figure 8. The project area and vicinity in 1930-1931. (Source: USGS 1937)

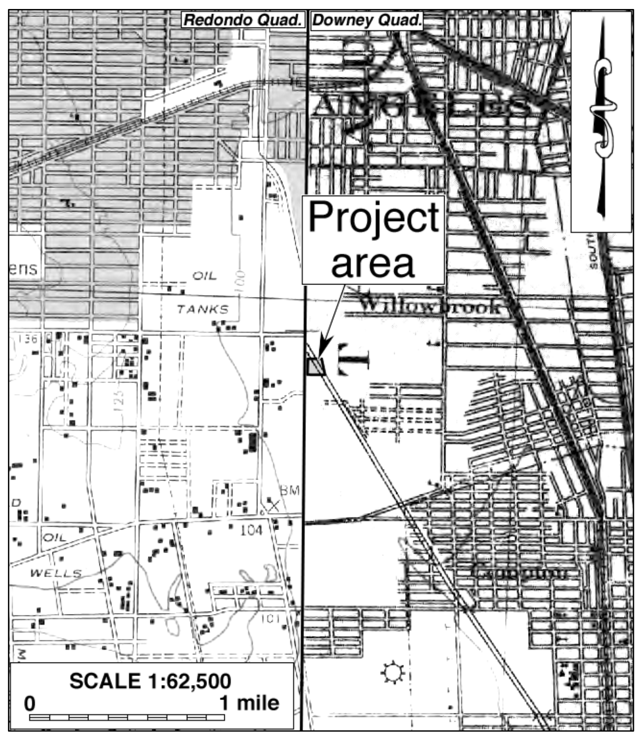


Figure 9. The project area and vicinity in 1941-1942. (Source: USGS 1942; 1944)

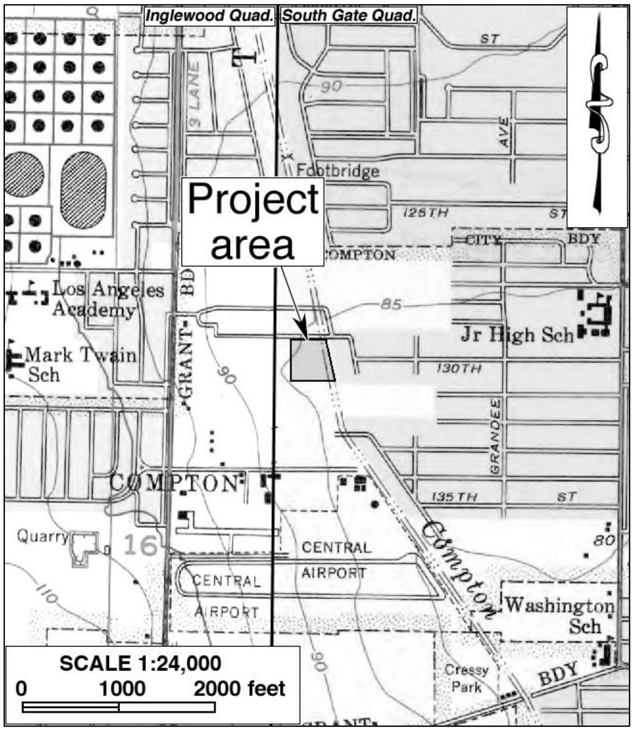


Figure 10. The project area and vicinity in 1947-1950. (Source: USGS 1952a; 1952b)

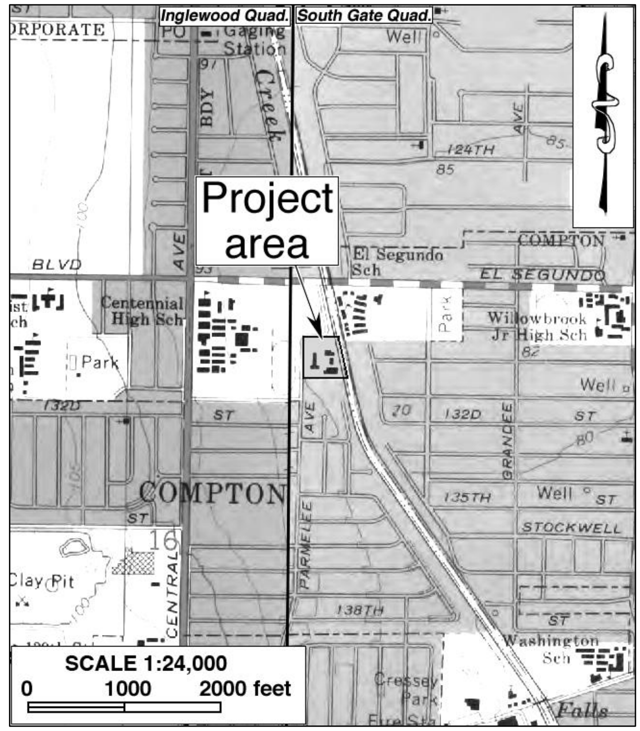


Figure 11. The project area and vicinity in 1963. (Source: USGS 1964a; 1964b)

measure to its eventual channelization by 1930 (Figs. 7, 8). The project area continued in its undeveloped state, even as oil fields developed to the northwest (Fig. 9) and dense housing and urban development occurred all around (Fig. 10).

Though not depicted on maps until 1964 (Fig. 11), development in the project area first occurred around 1950 with the construction of an Air National Guard Armory, initially home to the 148th Aircraft Control and Warning Squadron (*Press-Telegram* 1948; *Los Angeles Times* 1950). Compton in the 1950s was unusual in that the city housed three such military installations. A 1957 news story calls it the "biggest little military city [that] is armed to the teeth for defense" (Henderson 1957)

> The reason for this is that Compton, with 70,000 population, has three important armories, whereas there are hundreds of cities of the same size with none. A Naval Reserve training station and armory, and Air National Guard and National Guard are located here. (Henderson 1957)

The Parmelee armory was described as "four large buildings spread over a five-acre site" with "antennae on tall towers [rising] high into the air among the buildings" (Henderson 1957). It was manned by 250 airmen and 19 officers who were steward to three mobile radar units that could quickly move to secure locations to monitor enemy movements in the case of an airborne attack (*ibid*.).

In 1972, the name of the facility was changed to the Mobile Communications Squadron of the Air National Guardsmen (*Southwestern Sun* 1972). The buildings, now numbering five, were still in use in late 2009 and may have been used in some alternate capacity in early 2011 (Google Earth 2009;

2011). By mid-2012, the buildings had clearly been abandoned, and all of them were demolished within a year (Google Earth 2012; 2013). Meanwhile, the State of California Military Department listed the property for sale (State of California 2012; 2013), and the parcel has been vacant ever since (Google Earth 2013-2024).

FIELD SURVEY

During the field survey, the structural remains and other remnants of the Air National Guard Armory were observed throughout the project area (Figs. 3, 4) and recorded as an archaeological site. The data were subsequently compiled into standard site record forms and submitted for inclusion in the California Historical Resources Inventory under the temporary designation of Site 4176-1H, pending assignment of a permanent identification number by the SCCIC (see App. 3). Features of the site include five concrete slab foundations, two paved parking areas, and a crosshair-shaped concrete walkway at what was once the front entrance of the main building facing Parmelee Avenue. More detailed descriptions of the features and other information about the site are presented in the record forms in Appendix 3. No other potential "historical resources" of either prehistoric or historical origin were encountered during the surevy.

DISCUSSION

STATUTORY/REGULATORY GUIDELINES

The purpose of this study is to identify any cultural resources within the project area and assist the City of Compton in determining whether such resources meet the official definition of "historical resources," as provided in the California Public Resources Code, in particular CEQA. According to PRC §5020.1(j), "'historical resource' includes, but is not limited to, any object, building, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California."

More specifically, CEQA guidelines state that the term "historical resource" applies to any such resources listed in or determined to be eligible for listing in the California Register of Historical Resources, included in a local register of historical resources, or determined to be historically significant by the lead agency (Title 14 CCR §15064.5(a)(1)-(3)). Regarding the proper criteria for the evaluation of historical significance, CEQA guidelines mandate that "generally a resource shall be considered by the lead agency to be 'historically significant' if the resource meets the criteria for listing on the California Register of Historical Resources" (Title 14 CCR §15064.5(a)(3)). A resource may be listed in the California Register if it meets any of the following criteria:

(1) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
(2) Is associated with the lives of persons important in our past.
(3) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.

(4) Has yielded, or may be likely to yield, information important in prehistory or history. (PRC §5024.1(c))

SITE EVALUATION

In summary of the research results presented above, Site 4176-1H, the only potential "historical resource" identified in the project area, consists of the remains of an Air National Guard Armory built around 1950, during the onset of the Cold War and at a time when airborne nuclear attacks from the Soviet Union posed a widely perceived threat. The construction of the armory is arguably associated with this historic theme or pattern of events. However, as one of the numerous similar military installations of similar vintages, it does not have a unique, important, or particularly close association to the theme, and the removal of the buildings in 2012-2013 has left the site with little historic integrity to relate to the Cold War era.

Beyond this pattern of events, the historical background research has yielded no evidence that Site 4176-1H is closely associated with any specific events or persons of recognized historic significance. As a group of common building remains, the features of the site do not demonstrate any distinguished merits in architecture, construction, engineering, or esthetics, nor do they hold the potential to yield important archaeological information for the study of Cold War history, a subject that is covered extensively by historical literature and contemporary publications. Based on these considerations, Site 4176-1H does not appear to meet any of the criteria for listing in the California Register of Historic Places and thus does not qualify as a "historical resource" under CEQA guidelines.

CONCLUSION AND RECOMMENDATIONS

CEQA establishes that a project that may cause a substantial adverse change in the significance of a "historical resource" is a project that may have a significant effect on the environment (PRC §21084.1-2). "Substantial adverse change," according to PRC §5020.1(q), "means demolition, destruction, relocation, or alteration such that the significance of a historical resource would be impaired." In summary of the research results presented above, no "historical resources," as defined by CEQA and associated regulations, have been identified within the project area. Therefore, CRM TECH presents the following recommendations to the City of Compton:

- The proposed project will not cause a substantial adverse change to any known "historical resources."
- No further cultural resources investigation will be necessary for the project unless development plans undergo such changes as to include areas not covered by this study.
- If any buried cultural materials are encountered during earth-moving operations associated with the project, all work in the immediate area should be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the finds.

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2013 Sale of Compton-Parmelee Armory Property, 2320 North Parmalee Avenue, Compton, CA. https://ceqanet.opr.ca.gov/2013118101.

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1896a Map: Downey, Calif. (15', 1:62,500); surveyed in 1893-1894.
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1944 Map: Redondo Beach, Calif. (15', 1:62,500); aerial photographs taken in 1942.
1952a Map: Inglewood, Calif. (7.5', 1:24,000); aerial photographs taken in 1947; field checked 1949.
1952b Map: South Gate, Calif. (7.5', 1:24,000); aerial photographs taken in 1947; field checked 1950.
1964a Map: Inglewood, Calif. (7.5', 1:24,000); aerial photographs taken in 1963.
1964b Map: South Gate, Calif. (7.5', 1:24,000); aerial photographs taken in 1963.
1975 Map: Los Angeles, Calif. (120'x60', 1:250,000); aerial photographs taken in 1972.
1978 Map: Long Beach, Calif. (120'x60', 1:250:000); 1957 edition revised.
1981a Map: Inglewood, Calif. (7.5', 1:24,000); 1964 edition photorevised in 1981.
1981b Map: South Gate, Calif. (7.5', 1:24,000); 1964 edition photorevised in 1981.

APPENDIX 1:
PERSONNEL QUALIFICATIONS

PRINCIPAL INVESTIGATOR, HISTORY/ARCHITECTURAL HISTORY
Bai "Tom" Tang, M.A.

Education

1988-1993	Graduate Program in Public History/Historic Preservation, University of California, Riverside.
1987	M.A., American History, Yale University, New Haven, Connecticut.
1982	B.A., History, Northwestern University, Xi'an, China.
2000	"Introduction to Section 106 Review," presented by the Advisory Council on Historic Preservation and the University of Nevada, Reno.
1994	"Assessing the Significance of Historic Archaeological Sites," presented by the Historic Preservation Program, University of Nevada, Reno.

Professional Experience

2002-	Principal Investigator, CRM TECH, Riverside/Colton, California.
1993-2002	Project Historian/Architectural Historian, CRM TECH, Riverside, California.
1993-1997	Project Historian, Greenwood and Associates, Pacific Palisades, California.
1991-1993	Project Historian, Archaeological Research Unit, University of California, Riverside.
1990	Intern Researcher, California State Office of Historic Preservation, Sacramento.
1990-1992	Teaching Assistant, History of Modern World, University of California, Riverside.
1988-1993	Research Assistant, American Social History, University of California, Riverside.
1985-1988	Research Assistant, Modern Chinese History, Yale University.
1985-1986	Teaching Assistant, Modern Chinese History, Yale University.
1982-1985	Lecturer, History, Xi'an Foreign Languages Institute, Xi'an, China.

Cultural Resources Management Reports

Preliminary Analyses and Recommendations Regarding California's Cultural Resources Inventory System (with Special Reference to Condition 14 of NPS 1990 Program Review Report). California State Office of Historic Preservation working paper, Sacramento, September 1990.

Numerous cultural resources management reports with the Archaeological Research Unit, Greenwood and Associates, and CRM TECH, since October 1991.

PRINCIPAL INVESTIGATOR, ARCHAEOLOGY
Michael Hogan, Ph.D., RPA (Registered Professional Archaeologist)

Education

1991	Ph.D., Anthropology, University of California, Riverside.
1981	B.S., Anthropology, University of California, Riverside; with honors.
1980-1981	Education Abroad Program, Lima, Peru.
2021	"An Introduction to Geoarchaeology: How Understanding Basic Soils, Sediments, and Landforms can make you a Better Archaeologist." SAA Online Seminar.
2002	"Section 106—National Historic Preservation Act: Federal Law at the Local Level." UCLA Extension Course #888.
2002	"Recognizing Historic Artifacts," workshop presented by Richard Norwood.
2002	"Wending Your Way through the Regulatory Maze," AEP Symposium.
1992	"Southern California Ceramics Workshop," presented by Jerry Schaefer.
1992	"Historic Artifact Workshop," presented by Anne Duffield-Stoll.

Professional Experience

2002-	Principal Investigator, CRM TECH, Riverside/Colton, California.
1999-2002	Project Archaeologist/Field Director, CRM TECH, Riverside, California.
1996-1998	Project Director and Ethnographer, Statistical Research, Inc., Redlands, California.
1992-1998	Assistant Research Anthropologist, University of California, Riverside.
1992-1995	Project Director, Archaeological Research Unit, U.C. Riverside.
1993-1994	Adjunct Professor, Riverside Community College, Mt. San Jacinto College, U.C. Riverside, Chapman University, and San Bernardino Valley College.
1991-1992	Crew Chief, Archaeological Research Unit, U.C. Riverside.
1984-1998	Project Director, Field Director, Crew Chief, and Archaeological Technician for various southern California cultural resources management firms.

Research Interests

Cultural Resource Management, Southern Californian Archaeology, Settlement and Exchange Patterns, Specialization and Stratification, Culture Change, Native American Culture, Cultural Diversity.

Cultural Resources Management Reports

Principal investigator for, author or co-author of, and contributor to numerous cultural resources management study reports since 1986.

Memberships

Society for American Archaeology; Society for California Archaeology; Pacific Coast Archaeological Society; Coachella Valley Archaeological Society.

PROJECT ARCHAEOLOGIST/REPORT WRITER
Frank J. Raslich, M.A.

Education

2016-	Ph.D. candidate, Michigan State University, East Lansing.
2010	M.A., Anthropology, Michigan State University, East Lansing.
2005	B.A., Anthropology, University of Michigan, Flint.

2019	Grant and Research Proposal Writing for Archaeologists; Society for American Archaeology online seminar.
2014	Bruker Industries Tracer S1800 pXRF Training; presented by Dr. Bruce Kaiser, Bruker Scientific.

Professional Experience

2022-	Project Archaeologist/Report Writer, CRM TECH, Colton, California.
2022	Archaeological Monitor, Agua Caliente Band of Cahuilla Indians, Palm Springs, California.
2014-2022	Board of Directors, Ziibiwing Center of Anishinabe Culture and Lifeways, Saginaw Chippewa Indian Tribe of Michigan.
2008-2021	Archaeological Consultant, Saginaw Chippewa Indian Tribe of Michigan.
2019	Archaeologist, Sault Tribe of Chippewa Indians and Little Traverse Bay Band of Odawa Indians.
2016-2018	Adjunct Lecturer, Michigan State University, East Lansing.
2017-2018	Adjunct Lecturer, University of Michigan, Flint.
2009-2017	Teaching Assistant, Michigan State University, East Lansing.
2008-2014	Research Assistant, Intellectual Property Issues in Cultural Heritage, Simon Fraser University, British Columbia, Canada.
2010-2013	Research Assistant, Michigan State University, East Lansing.
2009-2011	Archaeologist/Crew Chief, Saginaw Chippewa Indian Tribe of Michigan.

Publications

2017	Preliminary Results of a Handheld X-Ray Fluorescence (pXRF) Analysis on a Marble Head Sarcophagus Sculpture from the Collection of the Kresge Art Center, Michigan State University. Submitted to Jon M. Frey, Department of Art, Art History, and Design, Michigan State University, East Lansing.
2013	Geochemical Analysis of the Dickenson Group of the Upper Peninsula, Michigan: A study of an Accreted Terrane of the Superior Province. Geological Society of America *Abstracts with Programs* 45:4(53).

PROJECT ARCHAEOLOGIST/NATIVE AMERICAN LIAISON
Nina Gallardo, B.A.

Education

2004	B.A., Anthropology/Law and Society, University of California, Riverside.

Professional Experience

2004-	Project Archaeologist, CRM TECH, Riverside/Colton, California.

Cultural Resources Management Reports

Co-author of and contributor to numerous cultural resources management reports since 2004.

PROJECT ARCHAEOLOGIST
Jayson A. Bonilla, B.A.

Education

2024	B.A., Anthropology, University of California, Riverside.
2022	A.A., Anthropology and Physical Sciences, and A.S., Biological Sciences, Long Beach City College, Long Beach.
2023	Undergraduate Independent Studies: Digital Drawing of Archaeological Features, University of California, Riverside.

Professional Experience

2024-	Project Archaeologist, CRM TECH, Colton, California.
2022-2022	Volunteer, OC Parks, Irvine, California.
2015-2019	Infantry, U.S. Army, Fort Hood, Texas.

PROJECT ARCHAEOLOGIST/HISTORIAN
Hunter C. O'Donnell, B.A.

Education

2016-	M.A. Program, Applied Archaeology, California State University, San Bernardino.
2015	B.A. (*cum laude*), Anthropology, California State University, San Bernardino.
2012	A.A., Social and Behavioral Sciences, Mt. San Antonio College, Walnut, California.
2011	A.A., Natural Sciences and Mathematics, Mt. San Antonio College, Walnut, California.
2014	Archaeological Field School, Santa Rosa Mountains; supervised by Bill Sapp of the United States Forest Service and Daniel McCarthy of the San Manuel Band of Mission Indians.

Professional Experience

2022-	Field Crew Chief, CRM TECH, Colton, California.
2017-	Project Archaeologist, CRM TECH, Colton, California.
2016-2018	Graduate Research Assistant, Applied Archaeology, California State University, San Bernardino.
2016-2017	Cultural Intern, Cultural Department, Pechanga Band of Luiseño Indians, Temecula, California.
2015	Archaeological Intern, U.S. Bureau of Land Management, Barstow, California.
2015	Peer Research Consultant: African Archaeology, California State University, San Bernardino.

APPENDIX 2

SACRED LANDS FILE SEARCH RESULTS

STATE OF CALIFORNIA Gavin Newsom, *Governor*

NATIVE AMERICAN HERITAGE COMMISSION

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov

October 15, 2024

Nina Gallardo
CRM TECH

Via Email to: ngallardo@crmtech.us

Re: Proposed Compton 60 Project, Los Angeles County

To Whom It May Concern:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
Los Angeles County
10/15/2024

Tribe Name	Fed (F) Non-Fed (N)	Contact Person	Contact Address	Phone #	Fax #	Email Address	Cultural Affiliation	Counties
Cahuilla Band of Indians	F	Anthony Madrigal, Tribal Historic Preservation Officer	52701 CA Highway 371 Anza, CA, 92539	(951) 763-5549		anthonymad2002@gmail.com	Cahuilla	Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego
Cahuilla Band of Indians	F	BobbyRay Esparza, Cultural Director	52701 CA Highway 371 Anza, CA, 92539	(951) 763-5549		besparza@cahuilla-nsn.gov	Cahuilla	Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego
Cahuilla Band of Indians	F	Erica Schenk, Chairperson	52701 CA Highway 371 Anza, CA, 92539	(951) 590-0942	(951) 763-2808	chair@cahuilla-nsn.gov	Cahuilla	Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego
Gabrieleno Band of Mission Indians - Kizh Nation	N	Andrew Salas, Chairperson	P.O. Box 393 Covina, CA, 91723	(844) 390-0787		admin@gabrielenoindians.org	Gabrieleno	Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura
Gabrieleno Band of Mission Indians - Kizh Nation	N	Christina Swindall Martinez, Secretary	P.O. Box 393 Covina, CA, 91723	(844) 390-0787		admin@gabrielenoindians.org	Gabrieleno	Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura
Gabrieleno/Tongva San Gabriel Band of Mission Indians	N	Anthony Morales, Chairperson	P.O. Box 693 San Gabriel, CA, 91778	(626) 483-3564	(626) 286-1262	GTTribalcouncil@aol.com	Gabrieleno	Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura
Gabrielino Tongva Indians of California Tribal Council	N	Robert Dorame, Chairperson	P.O. Box 490 Bellflower, CA, 90707	(562) 761-6417	(562) 761-6417	gtongva@gmail.com	Gabrielino	Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura
Gabrielino Tongva Indians of California Tribal Council	N	Christina Conley, Cultural Resource Administrator	P.O. Box 941078 Simi Valley, CA, 93094	(626) 407-8761		christina.marsden@alumni.usc.edu	Gabrielino	Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura
Gabrielino/Tongva Nation	N	Sandonne Goad, Chairperson	106 1/2 Judge John Aiso St., #231 Los Angeles, CA, 90012	(951) 807-0479		sgoad@gabrielino-tongva.com	Gabrielino	Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura
Gabrielino-Tongva Tribe	N	Sam Dunlap, Cultural Resource Director	P.O. Box 3919 Seal Beach, CA, 90740	(909) 262-9351		tongvatcr@gmail.com	Gabrielino	Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura
Gabrielino-Tongva Tribe	N	Charles Alvarez, Chairperson	23454 Vanowen Street West Hills, CA, 91307	(310) 403-6048		Chavez1956metro@gmail.com	Gabrielino	Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Ventura
Santa Rosa Band of Cahuilla Indians	F	Vanessa Minott, Tribal Administrator	P.O. Box 391820 Anza, CA, 92539	(951) 659-2700	(951) 659-2228	vminott@santarosa-nsn.gov	Cahuilla	Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego
Santa Rosa Band of Cahuilla Indians	F	Steven Estrada, Tribal Chairman	P.O. Box 391820 Anza, CA, 92539	(951) 659-2700	(951) 659-2228	sestrada@santarosa-nsn.gov	Cahuilla	Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego
Soboba Band of Luiseno Indians	F	Joseph Ontiveros, Tribal Historic Preservation Officer	P.O. Box 487 San Jacinto, CA, 92581	(951) 663-5279	(951) 654-4198	jontiveros@soboba-nsn.gov	Cahuilla Luiseno	Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego
Soboba Band of Luiseno Indians	F	Jessica Valdez, Cultural Resource Specialist	P.O. Box 487 San Jacinto, CA, 92581	(951) 663-6261	(951) 654-4198	jvaldez@soboba-nsn.gov	Cahuilla Luiseno	Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Compton 60 Project, Los Angeles County.

Record: PROJ-2024-005386
Report Type: List of Tribes
Counties: Los Angeles
NAHC Group: All

APPENDIX 3

CALIFORNIA HISTORICAL RESOURCES INVENTORY RECORD FORMS

Site 4176H

State of California--The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

 ***Resource Name or #** (Assigned by recorder) CRM TECH 4176-1H

P1. Other Identifier: Air National Guard Armory; Air Force Reserve Training Center

***P2. Location:** √ **Not for Publication** ___ **Unrestricted** ***a. County** Los Angeles

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad** South Gate, Calif. **Date** 1964; photorevised 1981

T3S; **R**13W; NW **1/4 of Sec.** 16 ; S.B. **B.M.** (within the La Tajauta land grant)

c. Address 2320 North Parmelee Avenue **City** Compton **Zip** 90222

d. UTM: (Give more than one for large and/or linear resources) **Zone** 11 ; 384,435 **mE/** 3,753,333 **mN**

UTM Derivation: ☐ USGS Quad ☒ GPS (NAD 83)

e. Other Locational Data: (e.g., parcel #, directions to resource, etc., as appropriate) AIN 6145-004-060; on the west side of Compton Creek and the east/south side of Pamelee Avenue, approximately 550 feet south of El Segundo Boulevard

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries): The remains of the Compton Air National Guard Armory consist of five concrete building foundations, two parking areas, and a crosshair-shaped concrete walkway at what was once the front entrance of the main building facing Parmelee Avenue. Each of these features is described in further details below. *(Continued on p. 4)*

***P3b. Resource Attributes:** (List attributes and codes) HP34: Military property

***P4. Resources Present:** ☐ Building ☐ Structure ☐ Object ☒ Site ☐ District ☐ Element of District ☐ Other (isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo (view, date, accession number): Taken on December 6, 2024; view to the north

***P6. Date Constructed/Age and Sources:** ☒ Historic ☐ Prehistoric ☐ Both
1950

***P7. Owner and Address:** California Military Department, 10601 Bear Hollow Drive, Rancho Cordova, CA 95670

***P8. Recorded by** (Name, affiliation, & address): Jason Bonilla and Hunter O'Donnell, CRM TECH, 1016 East Cooley Drive, Suite A/B, Colton, CA 92324

***P9. Date Recorded:** December 6, 2024

***P10. Survey Type** (describe): Intensive-level survey for CEQA compliance

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.") Bai "Tom" Tang, Frank Raslich, Hunter O'Donnell, and Jason Bonilla (2025): Historical/Archaeological Resources Survey Report: Compton 60 Project, Assessor Identification No. 6145-004-060, 2320 N. Parmelee Avenue, City of Compton, Los Angeles County, California

***Attachments:** ☐None ☒Location Map ☒Sketch Map ☒Continuation Sheet ☐Building, Structure, and Object Record ☒Archaeological Record ☐District Record ☐Linear Resource Record ☐Milling Station Record ☐Rock Art Record ☐Artifact Record ☐Photograph Record ☐Other (List):

ARCHAEOLOGICAL SITE RECORD

***Resource Name or #** (Assigned by recorder) CRM TECH 4176-1H

A1. **Dimensions:** **a. Length** 455 feet (N-S) **b. Width** 450 feet (W-E)
Method of Measurement: ☐ Paced ☐ Taped ☐ Visual estimate ☒ Other: GPS
Method of Determination (Check any that apply.): ☐ Artifacts ☒ Features ☐ Soil ☐ Vegetation ☐ Topography ☐ Cut bank ☐ Animal burrow ☐ Excavation ☐ Property boundary ☐ Other (Explain):

Reliability of Determination: ☒ High ☐ Medium ☐ Low Explain: Site boundaries defined by parcel boundaries.
Limitations (Check any that apply): ☐ Restricted access ☐ Paved/built over ☐ Site limits incompletely defined ☐ Disturbances ☐ Vegetation ☐ Other (Explain):

A2. **Depth:** ☐ None ☒ Unknown Method of Determination: There may remain some subsurface elements in the form of utilities and/or tanks.

***A3.** **Human Remains:** ☐ Present ☒ Absent ☐ Possible ☐ Unknown (Explain):

***A4.** **Features:** (Number, briefly describe, indicate size, list associated cultural constituents, and show location of each feature on sketch map.) See Item P3a.

***A5.** **Cultural Constituents:** (Describe and quantify artifacts, ecofacts, cultural residues, etc., not associated with features.) None.

***A6.** **Were Specimens Collected?** ☒ No ☐ Yes (If yes, attach Artifact Record or catalog and identify where specimens are curated.)

*A7. **Site Condition:** ☐ Good ☐ Fair ☒ Poor (Describe disturbances.): Buildings were demolished between 2012 and 2014 with the site fenced off and becoming overgrown in the intervening years.

***A8.** **Nearest Water** (Type, distance, and direction.): The site lies along the western side of the channelized Compton Creek.

***A9.** **Elevation:** Approximately 85 feet above mean sea level

A10. **Environmental Setting:** (Describe vegetation, fauna, soils, geology, landform, slope, aspect, exposure, etc.): The site is located in an urbanized area, surrounded by residential developments, schools, and an industrial corridor roughly 620 feet to the north. The terrain is generally level and slopes down slightly to the southwest. The location is a part of the Coastal Sage Scrub plant community, but most of the vegetation on the property consists of introduced trees and grasses left from previous development.

A11. **Historical Information:**

***A12.** **Age:** ☐ Prehistoric ☐ Protohistoric ☐ 1542-1769 ☐ 1769-1848 ☐ 1848-1880 ☐ 1880-1914 ☐ 1914-1945 ☒ Post 1945 ☐ Undetermined **Describe position in regional prehistoric chronology or factual historic dates if known:** The facility was built around 1950, according to *The Los Angeles Time* ("Compton Armory to Be Dedicated," May 21, 1950, Section 1A, Page 28)

A13. **Interpretations:** (Discuss scientific, interpretive, ethnic, and other values of site, if known)

A14. **Remarks:** The site does not appear eligible for listing in the National Register of Historic Places or the California Register of Historical Resources.

A15. **References:** (Documents, informants, maps, and other references.): See Item P11.

A16. **Photographs:** (List subjects, direction of view, and accession numbers or attach a Photograph Record.):
Original Media/Negatives Kept at: CRM TECH, Colton, California

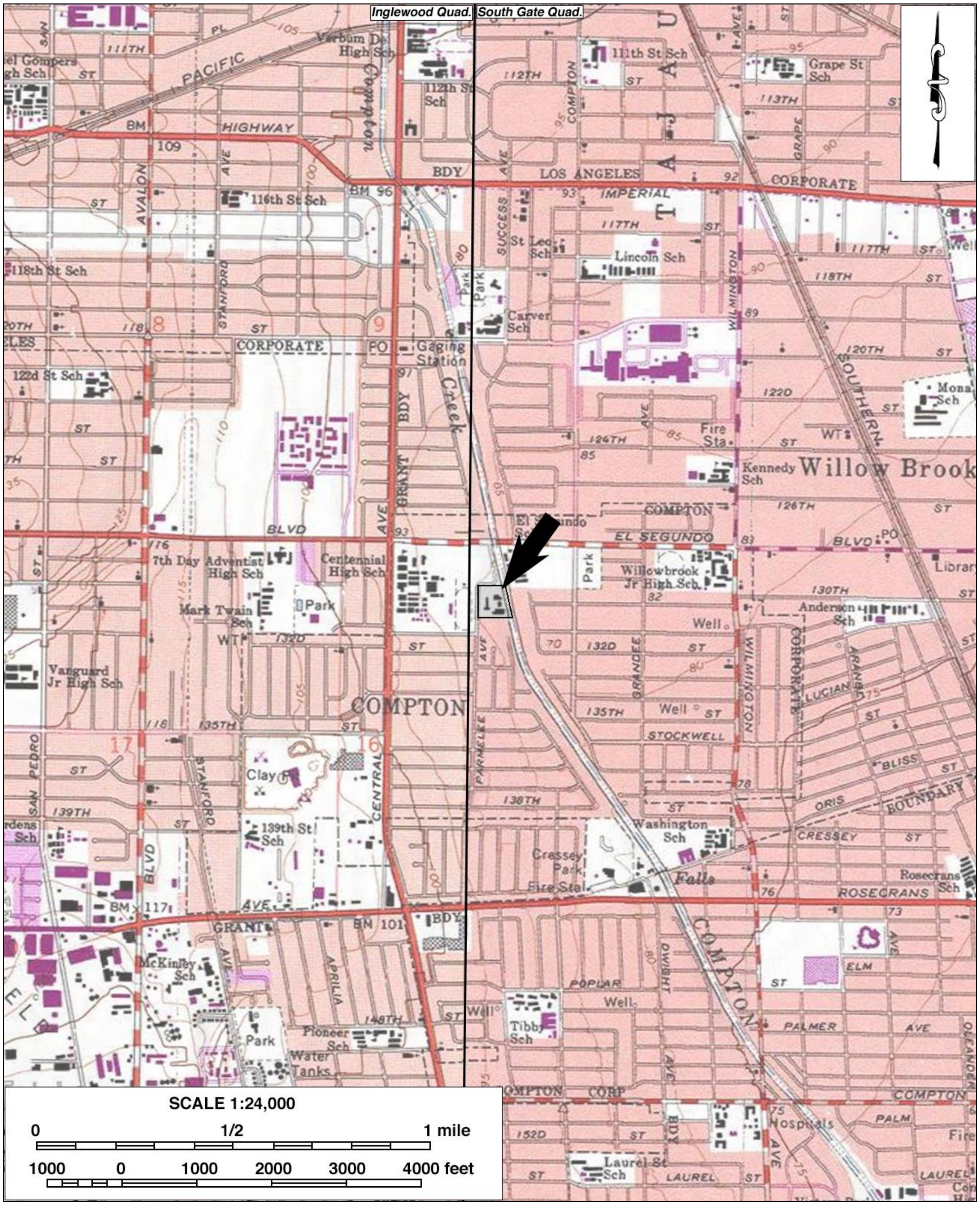
***A17.** **Form Prepared by:** Hunter O'Donnell **Date:** February 27, 2025
Affiliation and Address: CRM TECH, 1016 E. Cooley Drive, Suite A/B, Colton, CA 92324

State of California--The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary #
HRI #
Trinomial

Page 3 **of** 7 ***Resource Name or #** (Assigned by recorder) CRM TECH 4176-1H

***Map Name:** Inglewood and South Gate, Calif. ***Scale:** 1:24,000
***Date of Map:** 1964; photorevised 1981



State of California--The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
SKETCH MAP

Primary #
HRI #
Trinomial

***Resource Name or #** (Assigned by recorder) CRM TECH 4176-1H

Map Prepared by Hunter O'Donnell **Date** February 27, 2025

Recorded by Jason Bonilla **Date** December 6, 2024 √ Continuation ___ Update
Form Prepared by Hunter O'Donnell **Date** January 27, 2025
Affiliation: CRM TECH, Colton **Project No:** CRM TECH 4176

***P3a. Description:** (*Continued from p. 1*) **CF-01:** The main building's foundation in the western half of the site has a roughly L-shaped footprint with a landscaped courtyard to the front (west). A concrete walkway extends across the courtyard from Parmelee Avenue to the front entrance of the building. At the center of the courtyard, a perpendicular walkway leads to the parking lots to the south (Parking Lot 1) and north (Parking Lot 2), while a circular extension complete the crosshair shape. What appears to be the possible remnants of a fountain with red cinderblocks and a pipe stick out of the ground at this location.

The foundation measures approximately 163′ (N/S) x 60′ (E/W) x >1″ and contains 20 rooms of varying sizes with a cross-shaped central hallway connecting them all and a rear entrance on the east side of the building. On the south end of the building and on the east side, it appears that the building continued as there is a small concrete platform that measures 10′ 6″ (N/S) x 7 (E/W) but has been completely overgrown and partially buried to the point where determining the boundaries of the walls was unsuccessful. The outside wall measures ~9″ thick all the way around the building and are made of small aggregate concrete enforced with rebar that can be seen sticking up out of the wall.

CF-02: This building pad is directly east of CF-01 and measures 73′ (N/S) x 40′ (E/W) x 6″ in height.

CF-03: This building pad is further east from CF-02. There is a bigger concrete pad that expands beyond the dimensions of the actual footprint of building. The concrete is highly eroded and deteriorating, causing parts of it to sink. The entire pad measures 65′ (N/S) x 60′ (E/W), and the footprint of the building measures 33′ (N/S) x 38′ (E/W).

CF-04: This area represents the remains of a garage/vehicle bed work area with an attached office. The office building has nine rooms, one of which contains a floor with the remains of square grey tiles and one big open area with the remnants of concrete pillars in the floor. A pile of roof shingles (possibly from this building as seen in the aerials) lie directly north of the pad. The measurements for this building pad are 96′ (E/W) x 37′ (at the narrowest point) to 47′ 6″ (at the widest point). The garage measures 37′ 4″ (N/S) x 41′ (E/W) with a wall that separates the two sections. The wall measures 3′6″ tall. The garage ports are not separate buildings but were measured separately with them being divided by a single wall. These ports did not appear to have a roof structure. The eastern section of the garage contains two shallow maintenance bays. There is a small concrete pad directly south of the eastern garage, measuring 9′ (E/W) 5′ (N/S) x 6 ½″ tall.

CF-05: This is a small depression area of unknown function, measuring 30′ x 30′ x ~-1″ in depth.

CF-06: Lying to the northwest of the garage, this is a concrete platform with a smaller rectangular platform to form a step. The platform measures 20′ (N/S) x 5′6″ (E/W) x 9″ in height with the step platform on the east side measuring 8′ (N/S) x 3′ (E/W) x 5 ½″ in height. Just to the south there is a palm tree and underneath it there appear to be the remnants of another concrete foundation that has been moved from its original location and partially buried.

CF-07: Located immediately to the west of CF-06, this is a concrete pad with a ramp attached to the northside. The pad measures 11′6″ (N/S) x 11′6″ (E/W) x 8″ in height, and the ramp measures 4′ (E/W) x 5′ (N/S).

CF-08: A raised platform of earthen material and rubble sits at the location of a former building in the southeast corner of the site, measuring approximately

170’ (E/W) x 115’ (N/S) x ~5’2” in height, with piles of broken up concrete foundation as well as a steel beam.

CF-09 and **CF-10**: These features represent the asphalt-paved parking lots at the northern end and the southwestern corner of the site.

Additional Photographs:

Structural remains at the site. *Clockwise from top left*: CF-07, view to south; CF-06, view to southwest; bays in CF-04, view to south; CF-04 white tile, view to southwest; courtyard circle, view to west; room divisions in CF-01, view to southeast; CF-01 green tile, view to south; CF-04 column remains, view to southwest.

ATTACHMENTS

Attachment C: Biological Resources Assessment

35414 Acacia Ave.
Yucaipa, CA 92399
(909) 534-4547
www.jennings-environmental.com

September 27, 2024

G3 Urban
Attn: Jordan Gardner
15235 S Western Ave
Gardena, CA 90249

RE: BIOLOGICAL RESOURCES ASSESSMENT LETTER REPORT FOR THE PARMELEE RESIDENTIAL DEVELOPMENT PROJECT IN THE CITY OF COMPTON, LOS ANGELES COUNTY, CALIFORNIA

Dear Mr. Gardner,

Jennings Environmental was retained by G3 Urban to conduct a Biological Resources Assessment of the proposed Parmelee Residential Development Project (Project). The survey identified vegetation communities, the potential for the occurrence of special status species, or habitats that could support special status wildlife species, and recorded all plants and animals observed or detected within the Project boundary. This biological resources assessment is designed to address the potential effects of the proposed project on designated critical habitats and/or any species currently listed or formally proposed for listing as endangered or threatened under the federal Endangered Species Act (ESA) and the California Endangered Species Act (CESA) or species designated as sensitive by the California Department of Fish and Wildlife (CDFW) or the California Native Plant Society (CNPS). Information contained in this document is in accordance with accepted scientific and technical standards that are consistent with the requirements of the United States Fish and Wildlife Service (USFWS) and (CDFW).

Project Description and Location

The proposed Project is to construct a new 2-story duplexes. The Project will occur within Assessor Parcel Numbers (APN) 6145-004-060. The Project site was historically developed. Figures 1 and 2, in Attachment A, depict the site location.

Methods

Prior to performing the updated field survey, existing documentation relevant to the Project site was reviewed. The most recent records of the California Natural Diversity Database (CNDDB) managed by CDFW (CDFW 2024), the USFWS Critical Habitat Mapper (USFWS 2024), and the California Native Plant Society's Electronic Inventory (CNPSEI) of Rare and Endangered Vascular Plants of California (CNPS 2024) were reviewed for the following quadrangles containing and surrounding the Project site: *South Gate, Inglewood, Torrance, and Long Beach* USGS 7.5-minute quadrangles. The *Inglewood, Torrance, and Long Beach* quads were included in the search due to the site's proximity to tier borders. These databases contain records of reported occurrences of federal- or state-listed endangered or threatened species, California Species of Concern (SSC), or otherwise special status species or habitats that may occur within or in the immediate vicinity of the Project site.

Jennings biologist, Gene Jennings, conducted the general reconnaissance survey within the Project site to identify the potential for the occurrence of special status species, vegetation communities, or habitats that could support special status wildlife species. The surveys were conducted on foot, throughout the Project site between 0800 and 0900 hours on September 23, 2024. Weather conditions during the survey included temperatures ranging from 65.1 to 67.2 degrees Fahrenheit, with cloudy skies, no precipitation, and 1.1 to 1.3-mile-per-hour winds. Photographs of the Project site were taken to document existing conditions and are included in Attachment B.

Results

Habitat and Wildlife

The habitat on-site is highly disturbed and modified as the site was previously developed. Large portions of the site are asphalt or concrete with ruderal vegetation.

Additionally, the site is also being maintained through weed abatement (mowing or weed whacking) as evidenced by the dried broken plant parts. Plant species observed on site are; common fig (*Ficus carica*), slender wild oat (*Avena barbata*), wall barley (*Hordeum murinum*), foxtail brome (*Bromus madritensis*), russina star thistle (*Rhaponticum repens*), tumbleweed (*Salsola tragus*), flaxleaf fleebane (*Erigeron bonariensis*), Bermuda grass (*Cynodon dactylon*), horseweed (*Erigeron canadensis*), tree of heaven (*Ailanthus altissima*), Chinese elm (*Ulmus parvifolia*), Mexican fan palm (*Washingtonia robusta*), spineless yucca (*Yucca gigantea*), hardy pecan (*Carya illinoinensis*), blue passion flower (*Passiflora caerulea*), common knotgrass (*Polygonum aviculare*), bristly oxtongue (*Helminthotheca echioides*), and orange tree (*Citrus sinensis*). None of these plants are documented as rare using the CNPS California Rare Plant Rank (CRPR) of 1 or 2.

Animal species observed or otherwise detected on or in the vicinity of the project site during the surveys included; mourning dove (*Zenaida macroura*), rock pigeon (*Columba livia*), black phoebe (*Sayornis nigricans*), house sparrow (*Passer domesticus*), house finch (*Haemorhous mexicanus*), northern mocking bird (*Mimus polyglottos*), and European starling (*Sturnus vulgaris*).

The Project site is located within a developed portion of the City of Compton, Los Angeles County. As mentioned above the site is continually maintained and it was previously developed. The site also showed signs of homeless use and trash dumping. As such the site offers no habitat for any listed species.

CNDDB Results

According to the CNDDB, CNPSEI, and other relevant literature and databases, 64 sensitive species, 20 of which are listed as threatened or endangered, and 2 sensitive habitats, have been documented in the *South Gate, Inglewood, Torrance, and Long Beach* quads. This list of sensitive species and habitats includes any State and/or federally-listed threatened or endangered species, CDFW-designated Species of Special Concern (SSC), and otherwise Special Animals. “Special Animals” is a general term that refers to all of the taxa the CNDDB is interested in tracking, regardless of their legal or protection status. This list is also referred to as the list of “species at risk” or “special status species.” The CDFW considers the taxa on this list to be those of greatest conservation need.

An analysis of the likelihood of the occurrence of all CNDDB-sensitive species documented in the *South Gate, Inglewood, Torrance, and Long Beach* quads is provided in Table 1, in Attachment C. This analysis takes into account species range as well as documentation within the vicinity of the project area and includes the habitat requirements for each species and the potential for their occurrence on the site, based on required habitat elements and range relative to the current site conditions. According to the databases, no sensitive habitat, including USFWS-designated critical habitat, occurs within or adjacent to the project site.

Designated Critical Habitat

The site is not located within or adjacent to any USFWS-designated Critical Habitat. No further action is required.

Special Status Species Background

Burrowing owl (BUOW) {Athene cunicularia}

The BUOW is a state and federal SSC. This owl is a mottled, brownish, sand-colored, dove-sized raptor, with large, yellow eyes, a rounded head lacking ear tufts, white eyebrows, and long legs compared to other owl species. It is a ground-dwelling owl typically found in arid prairies, fields, and open areas where vegetation is sparse and low to the ground. The BUOW is heavily dependent upon the presence of mammal burrows, with ground squirrel burrows being a common choice, in its habitat to provide shelter from predators, and inclement weather, and to provide a nesting place. They are also known to make use of human-created structures, such as cement culverts and pipes, for burrows.

BUOW spends a great deal of time standing on dirt mounds at the entrance to a burrow or perched on a fence post or other low-to-the-ground perch from which they hunt for prey. BUOW frequently hunt by hovering in place above the ground and dropping on their prey from above. They feed primarily on insects such as grasshoppers, June beetles, and moths, but will also take small rodents, birds, and reptiles. They are active during the day and night but are considered a crepuscular owl; generally observed in the early morning hours or at twilight. The breeding season for BUOW is February 1 through August 31. Up to 11, but typically 7 to 9, eggs are laid in a burrow, abandoned pipe, or other subterranean hollows where incubation is complete in 28-30 days. Young BUOW fledges in 44 days. The BUOW is considered a migratory species in portions of its range, which includes western North America from Canada to Mexico, and east to Texas and Louisiana. BUOW populations in California are considered to be sedentary or locally migratory.

Throughout its range, the BUOW is vulnerable to habitat loss, predation, vehicular collisions, and destruction of burrow sites, and the poisoning of ground squirrels. BUOW has disappeared from significant portions of their range in the last 15 years and, overall, nearly 60% of the breeding groups of owls known to have existed in California during the 1980s had disappeared by the early 1990s. The BUOW is not listed under the state or federal Endangered Species Act but is considered both a federal and state Species of Special Concern. The BUOW is a migratory bird protected by the international treaty under the Migratory Bird Treaty Act of 1918 and by State law under the California Fish and Game Code (CDFG Code #3513 & #3503.5).

> ***Findings***: The conditions present on-site are not suitable for BUOW. California ground squirrels, a burrow surrogate species, were not observed on-site. No evidence of BUOW was found in the survey area. No burrows of appropriate size, aspect, or shape were located and

no BUOW pellets, feathers, or whitewash were found. No burrowing owl individuals were observed. Additionally, the site was previously developed and does not contain friable soils. These factors preclude this species from the site. Therefore, no further surveys or mitigation measures are required or recommended.

Conclusions and Recommendations

Based on the literature review and personal observations made in the immediate vicinity, no State and/or federally-listed threatened or endangered species are documented/or expected to occur within the Project site. Additionally, no plant species with the CNPS California Rare Plant Rank (CRPR) of 1 or 2 were observed on-site or documented to occur on-site in the relevant databases. No other sensitive species were observed within the project area or buffer area.

The Project Site is highly disturbed. The habitat on-site is ruderal/disturbed vegetation with large native trees. The site offers no suitable habitat for any sensitive species. Therefore, no further surveys are required.

Nesting Birds

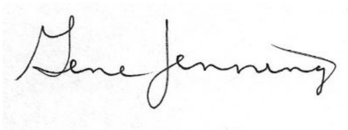
Although the site is highly disturbed, there is some habitat within the Project site and adjacent area that is suitable for nesting birds in general. The following mitigation measure should be implemented prior to construction.

> Nesting bird nesting season generally extends from February 1 through September 15 in southern California and specifically, March 15 through August 31 for migratory passerine birds. To avoid impacts to nesting birds (common and special status) during the nesting season, a qualified Avian Biologist will conduct pre-construction Nesting Bird Surveys (NBS) prior to Project-related disturbance to nestable vegetation to identify any active nests. If no active nests are found, no further action will be required. If an active nest is found, the biologist will set appropriate no-work buffers around the nest which will be based on the nesting species, its sensitivity to disturbance, nesting stage, and expected types, intensity, and duration of the disturbance. The nests and buffer zones shall be field-checked weekly by a qualified biological monitor. The approved no-work buffer zone shall be clearly marked in the field, within which no disturbance activity shall commence until the qualified biologist has determined the young birds have successfully fledged and the nest is inactive.

Certification

I hereby certify that the statements furnished herein, and in the attached exhibits present data and information required for this analysis to the best of my ability, and the facts, statements, and information presented are true and correct to the best of my knowledge and belief. This report was prepared in accordance with professional requirements and standards. Fieldwork conducted for this assessment was performed by me. I certify that I have not signed a non-disclosure or consultant confidentiality agreement with the project proponent and that I have no financial interest in the project.

Please do not hesitate to contact me at 909-534-4547 should you have any questions or require further information.
Sincerely,

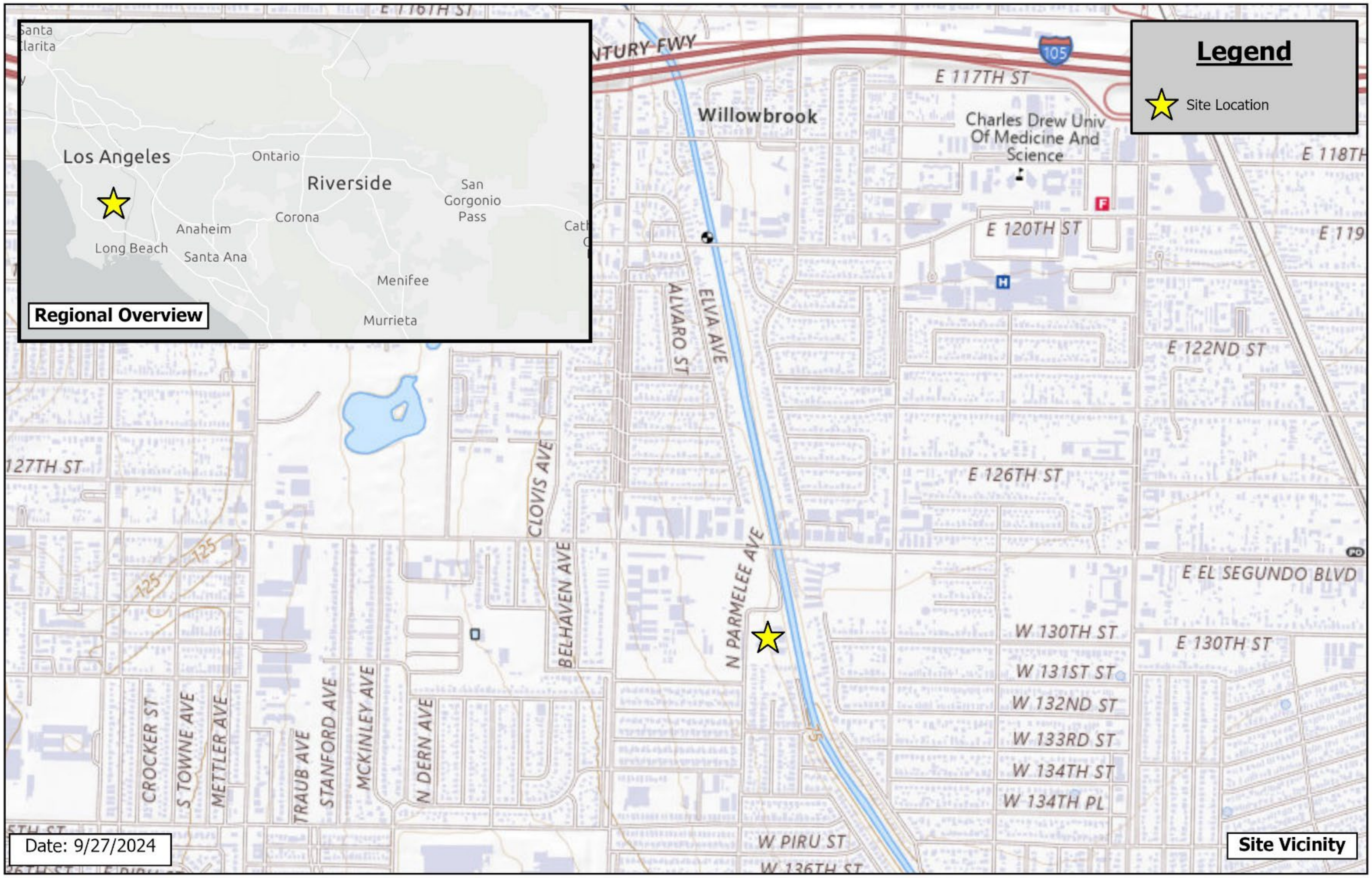


Gene Jennings
Principal/Regulatory Specialist

Attachments:

- Attachment A – Figures
- Attachment B – Site Photos
- Attachment C – Table 1

Attachment A - Figures



G3 Urban
Compton, CA

Figure 1 - Regional Overview and Site Vicinity

N

0 0.07 0.15 0.3 0.45 0.6 Miles

Scale: 1:13,892

Service Layer Credits: Light Gray Reference: County of Riverside, California State Parks, Esri, TomTom, Garmin, FAO, NOAA, USGS, Bureau of Land Management, EPA, NPS, USFWS
Light Gray Base: County of Riverside, California State Parks, Esri, TomTom, Garmin, FAO, NOAA, USGS,

Figure 2 - Site Location

Attachment B - Photos

	Photo 1 – Northeast corner of Project site, facing southwest.
	Photo 2 – Southeast corner of Project site, facing northwest.

	Photo 3 – Southwest corner of Project site, facing northeast.
	Photo 4 – Northwest corner of Project site, facing southeast.

Attachment C – Table 1

Scientific Name	Common Name	Federal/State Status	Other Status	Habitat	Potential to Occur
Agelaius tricolor	tricolored blackbird	None, Threatened	G1G2, S2, CDFW-SSC	Highly colonial species, most numerous in Central Valley and vicinity. Largely endemic to California. Requires open water, protected nesting substrate, and foraging area with insect prey within a few km of the colony.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Anniella stebbinsi	Southern California legless lizard	None, None	G3, S3, CDFW-SSC	Generally south of the Transverse Range, extending to northwestern Baja California. Occurs in sandy or loose loamy soils under sparse vegetation. Disjunct populations in the Tehachapi and Piute Mountains in Kern County. Variety of habitats; generally in moist, loose soil. They prefer soils with a high moisture content.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Aphanisma blitoides	aphanisma	None, None	G3G4, S2, 1B.2	Coastal bluff scrub, coastal dunes, coastal scrub. On bluffs and slopes near the ocean in sandy or clay soils. 3-305 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Astragalus hornii var. hornii	Horn's milk-vetch	None, None	GUT1, S1, 1B.1	Meadows and seeps, playas. Lake margins, alkaline sites. 75-350 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.

Scientific Name	Common Name	Federal/State Status	Other Status	Habitat	Potential to Occur
Astragalus tener var. titi	coastal dunes milk-vetch	Endangered, Endangered	G2T1, S1, 1B.1	Coastal bluff scrub, coastal dunes, coastal prairie. Moist, sandy depressions of bluffs or dunes along and near the Pacific Ocean; one site on a clay terrace. 1-45 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Athene cunicularia	burrowing owl	None, None	G4, S2, CDFW-SSC	Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Atriplex coulteri	Coulter's saltbush	None, None	G3, S2, 1B.2	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland. Ocean bluffs, ridgetops, as well as alkaline low places. Alkaline or clay soils. 2-460 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Atriplex pacifica	south coast saltscale	None, None	G4, S2, 1B.2	Coastal scrub, coastal bluff scrub, playas, coastal dunes. Alkali soils. 1-400 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Atriplex parishii	Parish's brittlescale	None, None	G1G2, S1, 1B.1	Vernal pools, chenopod scrub, playas. Usually on drying alkali flats with fine soils. 4-1420 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.

Scientific Name	Common Name	Federal/State Status	Other Status	Habitat	Potential to Occur
Atriplex serenana var. davidsonii	Davidson's saltscale	None, None	G5T1, S1, 1B.2	Coastal bluff scrub, coastal scrub. Alkaline soil. 0-480 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Bombus crotchii	Crotch's bumble bee	None, Candidate Endangered	G2, S2	Coastal California east to the Sierra-Cascade crest and south into Mexico. Food plant genera include Antirrhinum, Phacelia, Clarkia, Dendromecon, Eschscholzia, and Eriogonum.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Bombus pensylvanicus	American bumble bee	None, None	G3G4, S2	Long-tongued; forages on a wide variety of flowers including vetches (Vicia), clovers (Trifolium), thistles (Cirsium), sunflowers (Helianthus), etc. Nests above ground under long grass or underground. Queens overwinter in rotten wood or underground.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.

Scientific Name	Common Name	Federal/State Status	Other Status	Habitat	Potential to Occur
Brennania belkini	Belkin's dune tabanid fly	None, None	G1G2, S1S2	Sand obligate species known from coastal dunes near Playa del Rey and El Segundo south to Ensenada, Mexico. One of few tabanids not requiring a blood meal for seccessful egg production; adults taken on flowers. Larvae collected 50 cm beneath surface of sandy soil; presumably burrowing predators with undetermined hosts, likely beetle larvae. Adult flight generally May - July.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Calochortus catalinae	Catalina mariposa lily	None, None	G3G4, S3S4, 4.2	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Calystegia peirsonii	Peirson's morning-glory	None, None	G4, S4, 4.2	Chaparral, Chenopod scrub, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Valley and foothill grassland	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Camissoniopsis lewisii	Lewis' evening-primrose	None, None	G4, S4, 3	Cismontane woodland, Coastal bluff scrub, Coastal dunes, Coastal scrub, Valley and foothill grassland	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.

Scientific Name	Common Name	Federal/State Status	Other Status	Habitat	Potential to Occur
Centromadia parryi ssp. australis	southern tarplant	None, None	G3T2, S2, 1B.1	Marshes and swamps (margins), valley and foothill grassland, vernal pools. Often in disturbed sites near the coast at marsh edges; also in alkaline soils sometimes with saltgrass. Sometimes on vernal pool margins. 0-975 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Centromadia pungens ssp. laevis	smooth tarplant	None, None	G3G4T2, S2, 1B.1	Valley and foothill grassland, chenopod scrub, meadows and seeps, playas, riparian woodland. Alkali meadow, alkali scrub; also in disturbed places. 5-1170 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Chloropyron maritimum ssp. maritimum	salt marsh bird's-beak	Endangered, Endangered	G4?T1, S1, 1B.2	Marshes and swamps, coastal dunes. Limited to the higher zones of salt marsh habitat. 0-10 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Cicindela hirticollis gravida	sandy beach tiger beetle	None, None	G5T2, S2	Inhabits areas adjacent to non-brackish water along the coast of California from San Francisco Bay to northern Mexico. Clean, dry, light-colored sand in the upper zone. Subterranean larvae prefer moist sand not affected by wave action.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Cicindela latesignata	western beach tiger beetle	None, None	G2G3, S1	Mudflats and beaches of coastal estuaries from San Diego County to Los Angeles County. Typically inhabit wet or dry sandy beaches and mud, sand, or salt flats.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.

Scientific Name	Common Name	Federal/State Status	Other Status	Habitat	Potential to Occur
Coccyzus americanus occidentalis	western yellow-billed cuckoo	Threatened, Endangered	G5T2T3, S1	Riparian forest nester, along the broad, lower flood-bottoms of larger river systems. Nests in riparian jungles of willow, often mixed with cottonwoods, with lower story of blackberry, nettles, or wild grape.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Convolvulus simulans	small-flowered morning-glory	None, None	G4, S4, 4.2	Chaparral (openings), Coastal scrub, Valley and foothill grassland	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Danaus plexippus plexippus pop. 1	monarch - California overwintering population	Candidate, None	G4T1T2Q, S2	Winter roost sites extend along the coast from northern Mendocino to Baja California, Mexico. Roosts located in wind-protected tree groves (eucalyptus, Monterey pine, cypress), with nectar and water sources nearby.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Empidonax traillii extimus	southwestern willow flycatcher	Endangered, Endangered	G5T2, S3	Riparian woodlands in Southern California.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Eryngium aristulatum var. parishii	San Diego button-celery	Endangered, Endangered	G5T1, S1, 1B.1	Vernal pools, coastal scrub, valley and foothill grassland. San Diego mesa hardpan and claypan vernal pools and southern interior basalt flow vernal pools; usually surrounded by scrub. 15-880 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.

Scientific Name	Common Name	Federal/State Status	Other Status	Habitat	Potential to Occur
Erysimum suffrutescens	suffrutescent wallflower	None, None	G3, S3, 4.2	Chaparral (maritime), Coastal bluff scrub, Coastal dunes, Coastal scrub	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Eumops perotis californicus	western mastiff bat	None, None	G4G5T4, S3S4, CDFW-SSC	Many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, chaparral, etc. Roosts in crevices in cliff faces, high buildings, trees and tunnels.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Glaucopsyche lygdamus palosverdesensis	Palos Verdes blue butterfly	Endangered, None	G5T1, S1	Restricted to the cool, fog-shrouded, seaward side of Palos Verdes Hills, Los Angeles County. Host plant is Astragalus trichopodus var. lonchus (locoweed).	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Glyptostoma gabrielense	San Gabriel chestnut	None, None	G2, S3	Terrestrial.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Gonidea angulata	western ridged mussel	None, None	G3, S2	Primarily creeks and rivers and less often lakes. Originally in most of state, now extirpated from Central and Southern California.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.

Scientific Name	Common Name	Federal/State Status	Other Status	Habitat	Potential to Occur
Habroscelimorpha gabbii	western tidal-flat tiger beetle	None, None	G2G4, S1	Inhabits estuaries and mudflats along the coast of Southern California. Generally found on dark-colored mud in the lower zone; occasionally found on dry saline flats of estuaries.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Hordeum intercedens	vernal barley	None, None	G3G4, S3S4, 3.2	Coastal dunes, Coastal scrub, Valley and foothill grassland (depressions, saline flats), Vernal pools	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Isocoma menziesii var. decumbens	decumbent goldenbush	None, None	G3G5T2T3, S2, 1B.2	Coastal scrub, chaparral. Sandy soils; often in disturbed sites. 1-915 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Juglans californica	Southern California black walnut	None, None	G4, S4, 4.2	Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Juncus acutus ssp. leopoldii	southwestern spiny rush	None, None	G5T5, S4, 4.2	Coastal dunes (mesic), Coastal scrub, Marshes and swamps (coastal salt), Meadows and seeps (alkaline seeps)	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.

Scientific Name	Common Name	Federal/State Status	Other Status	Habitat	Potential to Occur
Lasionycteris noctivagans	silver-haired bat	None, None	G3G4, S3S4	Primarily a coastal and montane forest dweller, feeding over streams, ponds and open brushy areas. Roosts in hollow trees, beneath exfoliating bark, abandoned woodpecker holes, and rarely under rocks. Needs drinking water.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Lasthenia glabrata ssp. coulteri	Coulter's goldfields	None, None	G4T2, S2, 1B.1	Coastal salt marshes, playas, vernal pools. Usually found on alkaline soils in playas, sinks, and grasslands. 1-1375 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Microtus californicus stephensi	south coast marsh vole	None, None	G5T2T3, S2, CDFW-SSC	Tidal marshes in Los Angeles, Orange and southern Ventura counties.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Nama stenocarpa	mud nama	None, None	G4G5, S1S2, 2B.2	Marshes and swamps. Lake shores, river banks, intermittently wet areas. 15-815 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Navarretia fossalis	spreading navarretia	Threatened, None	G2, S2, 1B.1	Vernal pools, chenopod scrub, marshes and swamps, playas. San Diego hardpan and San Diego claypan vernal pools; in swales and vernal pools, often surrouded by other habitat types. 15-850 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.

Scientific Name	Common Name	Federal/State Status	Other Status	Habitat	Potential to Occur
Navarretia prostrata	prostrate vernal pool navarretia	None, None	G2, S2, 1B.2	Coastal scrub, valley and foothill grassland, vernal pools, meadows and seeps. Alkaline soils in grassland, or in vernal pools. Mesic, alkaline sites. 3-1235 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Nemacaulis denudata var. denudata	coast woolly-heads	None, None	G3G4T2, S2, 1B.2	Coastal dunes. 0-5 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Nyctinomops femorosaccus	pocketed free-tailed bat	None, None	G5, S3, CDFW-SSC	Variety of arid areas in Southern California; pine-juniper woodlands, desert scrub, palm oasis, desert wash, desert riparian, etc. Rocky areas with high cliffs.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Nyctinomops macrotis	big free-tailed bat	None, None	G5, S3, CDFW-SSC	Low-lying arid areas in Southern California. Need high cliffs or rocky outcrops for roosting sites. Feeds principally on large moths.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Orcuttia californica	California Orcutt grass	Endangered, Endangered	G1, S1, 1B.1	Vernal pools. 10-660 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.

Scientific Name	Common Name	Federal/State Status	Other Status	Habitat	Potential to Occur
Pelecanus occidentalis californicus	California brown pelican	Delisted, Delisted	G4T3T4, S3	Colonial nester on coastal islands just outside the surf line. Nests on coastal islands of small to moderate size which afford immunity from attack by ground-dwelling predators. Roosts communally.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Pentachaeta lyonii	Lyon's pentachaeta	Endangered, Endangered	G1, S1, 1B.1	Chaparral, valley and foothill grassland, coastal scrub. Edges of clearings in chaparral, usually at the ecotone between grassland and chaparral or edges of firebreaks. 30-670 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Perognathus longimembris pacificus	Pacific pocket mouse	Endangered, None	G5T2, S2, CDFW-SSC	Inhabits the narrow coastal plains from the Mexican border north to El Segundo, Los Angeles County. Seems to prefer soils of fine alluvial sands near the ocean, but much remains to be learned.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Phacelia stellaris	Brand's star phacelia	None, None	G1, S1, 1B.1	Coastal scrub, coastal dunes. Open areas. 3-370 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.

Scientific Name	Common Name	Federal/State Status	Other Status	Habitat	Potential to Occur
Phrynosoma blainvillii	coast horned lizard	None, None	G4, S4, CDFW-SSC	Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. Open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Polioptila californica californica	coastal California gnatcatcher	Threatened, None	G4G5T3Q, S2, CDFW-SSC	Obligate, permanent resident of coastal sage scrub below 2500 ft in Southern California. Low, coastal sage scrub in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Riparia riparia	bank swallow	None, Threatened	G5, S3	Colonial nester; nests primarily in riparian and other lowland habitats west of the desert. Requires vertical banks/cliffs with fine-textured/sandy soils near streams, rivers, lakes, ocean to dig nesting hole.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Sidalcea neomexicana	salt spring checkerbloom	None, None	G4, S2, 2B.2	Playas, chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub. Alkali springs and marshes. 3-2380 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.

Scientific Name	Common Name	Federal/State Status	Other Status	Habitat	Potential to Occur
Siphateles bicolor mohavensis	Mohave tui chub	Endangered, Endangered	G4T1, S1, CDFW-FP	Endemic to the Mojave River basin, adapted to alkaline, mineralized waters. Needs deep pools, ponds, or slough-like areas. Needs vegetation for spawning.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Spea hammondii	western spadefoot	Proposed Threatened, None	G2G3, S3S4, CDFW-SSC	Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands. Vernal pools are essential for breeding and egg-laying.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Sternula antillarum browni	California least tern	Endangered, Endangered	G4T2T3Q, S2, CDFW-FP	Nests along the coast from San Francisco Bay south to northern Baja California. Colonial breeder on bare or sparsely vegetated, flat substrates: sand beaches, alkali flats, land fills, or paved areas.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Streptocephalus woottoni	Riverside fairy shrimp	Endangered, None	G1G2, S2	Endemic to Western Riverside, Orange, and San Diego counties in areas of tectonic swales/earth slump basins in grassland and coastal sage scrub. Inhabit seasonally astatic pools filled by winter/spring rains. Hatch in warm water later in the season.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Suaeda esteroa	estuary seablite	None, None	G3, S2, 1B.2	Marshes and swamps. Coastal salt marshes in clay, silt, and sand substrates. 0-80 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.

Scientific Name	Common Name	Federal/State Status	Other Status	Habitat	Potential to Occur
Symphyotrichum defoliatum	San Bernardino aster	None, None	G2, S2, 1B.2	Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland. Vernally mesic grassland or near ditches, streams and springs; disturbed areas. 3-2045 m.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Taxidea taxus	American badger	None, None	G5, S3, CDFW-SSC	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils. Needs sufficient food, friable soils and open, uncultivated ground. Preys on burrowing rodents. Digs burrows.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Thamnophis sirtalis pop. 1	south coast gartersnake	None, None	G5T1T2, S1S2, CDFW-SSC	Southern California coastal plain from Ventura County to San Diego County, and from sea level to about 850 m. Marsh and upland habitats near permanent water with good strips of riparian vegetation.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.
Tryonia imitator	mimic tryonia (=California brackishwater snail)	None, None	G2, S2	Inhabits coastal lagoons, estuaries and salt marshes, from Sonoma County south to San Diego County. Found only in permanently submerged areas in a variety of sediment types; able to withstand a wide range of salinities.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.

Scientific Name	Common Name	Federal/State Status	Other Status	Habitat	Potential to Occur
Vireo bellii pusillus	least Bell's vireo	Endangered, Endangered	G5T2, S3	Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft. Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, Baccharis, mesquite.	Suitable habitat for this species does not occur on site. As such, this species is considered **absent** from the Project site.

Coding and Terms
E = Endangered T = Threatened C = Candidate FP = Fully Protected WL = Watch List SSC = Species of Special Concern R = Rare
State Species of Special Concern: An administrative designation given to vertebrate species that appear to be vulnerable to extinction because of declining populations, limited acreages, and/or continuing threats. Raptor and owls are protected under section 3502.5 of the California Fish and Game code: "It is unlawful to take, possess or destroy any birds in the orders Falconiformes or Strigiformes or to take, possess or destroy the nest or eggs of any such bird." **State Fully Protected:** The classification of Fully Protected was the State's initial effort in the 1960's to identify and provide additional protection to those animals that were rare or faced possible extinction. Lists were created for fish, mammals, amphibians and reptiles. Fully Protected species may not be taken or possessed at any time and no licenses or permits may be issued for their take except for collecting these species for necessary scientific research and relocation of the bird species for the protection of livestock.
Global Rankings (Species or Natural Community Level): G1 = Critically Imperiled – At very high risk of extinction due to extreme rarity (often 5 or fewer populations), very steep declines, or other factors. G2 = Imperiled – At high risk of extinction due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors. G3 = Vulnerable – At moderate risk of extinction due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors. G4 = Apparently Secure – Uncommon but not rare; some cause for long-term concern due to declines or other factors. G5 = Secure – Common; widespread and abundant. ? = Uncertainty in the exact status of an element (could move up or down one direction from current rank) **Subspecies Level:** Taxa which are subspecies or varieties receive a taxon rank (T-rank) attached to their G-rank. Where the G-rank reflects the condition of the entire species, the T-rank reflects the global situation of just the subspecies. For example: the Point Reyes mountain beaver, *Aplodontia rufa* ssp. *phaea* is ranked G5T2. The G-rank refers to the whole species range i.e., *Aplodontia rufa*. The T-rank refers only to the global condition of ssp. *phaea*. **State Ranking:** S1 = Critically Imperiled – Critically imperiled in the State because of extreme rarity (often 5 or fewer populations) or because of factor(s) such as very steep declines making it especially vulnerable to extirpation from the State. S2 = Imperiled – Imperiled in the State because of rarity due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors making it very vulnerable to extirpation from the State. S3 = Vulnerable – Vulnerable in the State due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors making it vulnerable to extirpation from the State. S4 = Apparently Secure – Uncommon but not rare in the State; some cause for long-term concern due to declines or other factors. S5 = Secure – Common, widespread, and abundant in the State. **California Rare Plant Rankings (CNPS List):** 1A = Plants presumed extirpated in California and either rare or extinct elsewhere. 1B = Plants rare, threatened, or endangered in California and elsewhere. 2A = Plants presumed extirpated in California, but common elsewhere. 2B = Plants rare, threatened, or endangered in California, but more common elsewhere. 3 = Plants about which more information is needed; a review list. 4 = Plants of limited distribution; a watch list. **Threat Ranks:** .1 = Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat) .2 = Moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat) .3 = Not very threatened in California (less than 20% of occurrences threatened / low degree and immediacy of threat or no current threats known)

ATTACHMENTS

Attachment D: Geotechnical Report

June 13, 2024
J.N.: 3188.01

Mr. Jordan Gardner
G3 Urban
19750 South Vermont Avenue
Torrance, California 90502

Subject: Geotechnical Design Report, Proposed Multi-Family Residential Development, 2320 North Parmelee Avenue, Compton, California

Dear Mr. Gardner,

Albus & Associates, Inc. is pleased to present to you our geotechnical design report for the proposed development at the subject site. This report presents the results of our literature review, subsurface exploration, laboratory testing, and engineering analyses. Conclusions relevant to the feasibility of the proposed site development are also presented herein based on the findings of our work.

We appreciate this opportunity to be of service to you. If you have any questions regarding the contents of this report, please do not hesitate to call.

Sincerely,

ALBUS & ASSOCIATES, INC.

Daniel Albus
Project Engineer

REPORT

FIGURES AND PLATES

APPENDICES

1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

The purpose of our preliminary geotechnical investigation was to evaluate geotechnical conditions within the project area and to provide geotechnical conclusions and recommendations relevant to the design and construction of the proposed development at the subject site. The scope of our work included:

- Review of published geologic reports, maps, historic photos and seismic data for the site and surrounding area,
- Review of prior geotechnical report for the site by Geocon West, Inc., dated March 16, 2018,
- Review of the referenced conceptual site plan,
- Exploratory drilling and soil sampling,
- Laboratory testing of selected soil samples,
- Engineering and geologic analyses of data obtained from our review, subsurface exploration, and laboratory testing,
- Evaluation of site seismicity, liquefaction potential, and settlement potential,
- Development of recommendations for site construction, and;
- Preparation of this report.

1.2 SITE LOCATION AND DESCRIPTION

The site is located at 2320 North Parmelee Avenue, within the city of Compton, California. The site is bordered by single-family homes to the south, North Parmelee Avenue to the west and north, and a drainage channel to the east. The location of the site and its relationship to the surrounding area is shown in Figure 1, Site Location Map.

The project site and overall property is relatively flat with elevations ranging from ~82 to ~86 feet above mean sea level (based on Google Earth), descending gently to the north and east.

The site consists of approximately 3.8 acres of land and appears to be occupied by the remnants of foundations and slabs of previous buildings along with interior driveways and parking bays. However, the Site Plan, provided by Architeyk, dated April 16, 2024, depicts site area of 4.59 acre, which appears to be a typographical error. Previous structures appear to have been demolished. The property appears to be bordered by a chain-link fence on all sides. Vegetation on site consists of some moderate-sized trees and overgrown vegetation within planter spaces.

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FIGURE 1-SITE LOCATION MAP

Proposed Multi-Family Residential Development
2320 North Parmelee Avenue
Compton, California

NOT TO SCALE

A stockpile is present onsite within the southeast corner of the property. The stockpile is approximately 3to 4 feet in height above the adjacent grades. The approximate limits of the stockpile have been defined on the Geotechnical Map, Plate 1.

1.3 PROPOSED DEVELOPMENT

We have been provided a Conceptual Site Plan by Architeyk (dated April 16, 2024). The plan indicates fifty-four (54) units of 2-story single-family residences and six (6) attached two-story townhomes with 2 units per building. It is anticipated that all proposed structures will be constructed on grade (i.e., no subterranean elements). Associated interior driveways, (possible) perimeter/retaining walls, and underground utilities are also planned. It is also expected that minor cut and fill grading will be required in order to achieve future surface configurations.

2.0 INVESTIGATION

2.1 RESEARCH

We have reviewed the referenced geologic publications, maps, and historical aerial photos of the vicinity. Data from these sources were utilized to the development of some of our findings and conclusions presented in this report.

Research of aerial photographs indicate that as early as 1952, the site was already developed with what appears to be five commercial buildings. These buildings were present up until sometime in 2012. By 2014, the superstructures appear to be demolished and only the slabs appear to remain. The site appears to roughly represent the current site configuration since then.

Review of the Geologic Map by Jahns (1954) suggests the site is underlain by younger alluvium (Qya). Other investigations for nearby sites encountered interbedded alluvial deposits. The site is located within a seasonal flood plain and would have been subjected to seasonally-deposited sediment from the Santa Monica and San Gabriel Mountains to the north and northeast.

A geotechnical report by Geocon West, Inc. dated March 16, 2018, that was prepared for the subject site, has also been provided for our use. Subsurface explorations for the site were conducted by Geocon West, Inc. on February 8 and 9, 2018, and consisted of drilling six (6) soil borings. The soil borings were drilled to depths of approximately 35.5 to 50.5 feet below the existing ground surface (bgs). The report indicates the site is underlain by interbedded alluvial deposits with groundwater at depths of approximately 43 and 45.8 feet below ground surface at their B-1 and B-6. The locations of borings by Geocon West are depicted on the attached Geotechnical Map, Plate 1. Boring logs from this report are provided in Appendix A and results of laboratory testing from this report are provided in Appendix B.

One of the borings by Geocon West is located within the limits of the stockpile. This boring was apparently drilled prior to the creation of the stockpile and as such, the stockpile was apparently placed in the later part of 2018 or later.

2.2 SUBSURFACE EXPLORATION

Subsurface exploration for this investigation was conducted on May 2, 2024, and consisted of the drilling of three (3) soil borings to depths ranging from 11.5 to 51.5 feet below the existing ground surface (bgs). The borings were drilled using a truck-mounted, continuous flight, hollow-stem-auger drill rig. A representative of ***Albus & Associates, Inc.*** logged the exploratory borings. Visual and tactile identifications were made of the materials encountered, and their descriptions are presented in the Exploration Logs in Appendix A. The approximate locations of the exploratory excavations completed by this firm are shown on the enclosed Geotechnical Map, Plate 1.

Bulk, relatively undisturbed and Standard Penetration Test (SPT) samples were obtained at selected depths within the exploratory borings for subsequent laboratory testing. Relatively undisturbed samples were obtained using a 3-inch O.D., 2.5-inch I.D., California split-spoon soil sampler lined with brass rings. SPT samples were obtained from the boring using a standard, unlined SPT soil sampler. During each sampling interval, the sampler was driven 18 inches with successive drops of a 140-pound automatic hammer falling 30 inches. The number of blows required to advance the sampler was recorded for each six inches of advancement. The total blow count for the lower 12 inches of advancement per soil sample is recorded on the exploration log. Samples were placed in sealed containers or plastic bags and transported to our laboratory for analyses. The borings were backfilled with auger cuttings upon completion of sampling.

2.3 LABORATORY TESTING

Selected samples of representative earth materials from the borings were tested in our laboratory. Tests consisted of in-situ moisture and dry density, maximum dry density, and optimum moisture content, Atterberg limits, expansion index, soluble sulfate content, consolidation/collapse potential, direct shear, and corrosivity. Descriptions of laboratory testing and a summary of the test results are presented in Appendix B and on the exploration log in Appendix A.

3.0 SUBSURFACE CONDITIONS

3.1 SOIL CONDITIONS

Descriptions of the earth materials encountered by Geocon West and during our investigation are summarized below and are presented in detail on the Exploration Logs presented in Appendix A.

Artificial fill materials were encountered in borings up to about 5 feet below the existing ground surface. There appears to be little or no fill on the western side of the project and generally becomes thicker in the easterly direction. However, fills are anticipated to be thicker by up to 4 feet in the area of the existing stockpile and may be deeper locally. The fill soil encountered in our borings generally consisted of silty fine sand with a trace of clay. These materials were dark brown to black, damp to moist, and stiff to very stiff.

Alluvial materials were encountered below the fill and encountered near the ground surface where fill is not present. The alluvial soils generally consist of silty fine sands and clayey fine sands with occasional interlayers of silty sands and poorly-grade sands. These materials were greyish brown and sometimes mottled with orangish brown/reddish brown zones, moist to very moist, and medium dense/stiff.

A stockpile is present onsite within the southeast corner of the property. The stockpile is approximately 3 to 4 feet in height of unknown origin. The characteristics of these materials are unknown and will require additional testing if these materials are to be incorporated into grading operations. The approximate limits of the stockpile have been defined on the Geotechnical Map, Plate 1.

3.2 GROUNDWATER

Groundwater was encountered at a depth of 43 feet within our exploratory borings to the maximum depth of 51.5 feet below the existing ground surface. Groundwater was encountered by Geocon at depths of 43.4 and 45.8 feet below the existing ground surface at borings B-1 and B-6.

A review of the referenced Seismic Hazard Zone Report 034 indicates that the historical high groundwater level for the general site area is 10 feet below the existing ground surface.

Additional review of the Los Angeles County Groundwater Database indicates that wells are present within the vicinity of the site. The locations of relevant wells in relation to the subject site are indicated in Figure 2.

As depicted in Figure 3, wells 1467B and 1459D indicate groundwater levels in excess of 80 feet below the ground surface and have remained below 80 feet since 1951 to present. The pattern in the plot makes it clear that both wells are measuring the same aquifer system. The shallower depths to groundwater encountered in site exploration by Geocon West and this firm likely represent a localized perched condition contained in a sandy layer below 43 feet. We anticipate this sandy layer is underlain by a fine-grained layer below a depth of 50 feet and acts as an aquitard to the downward movement of groundwater.

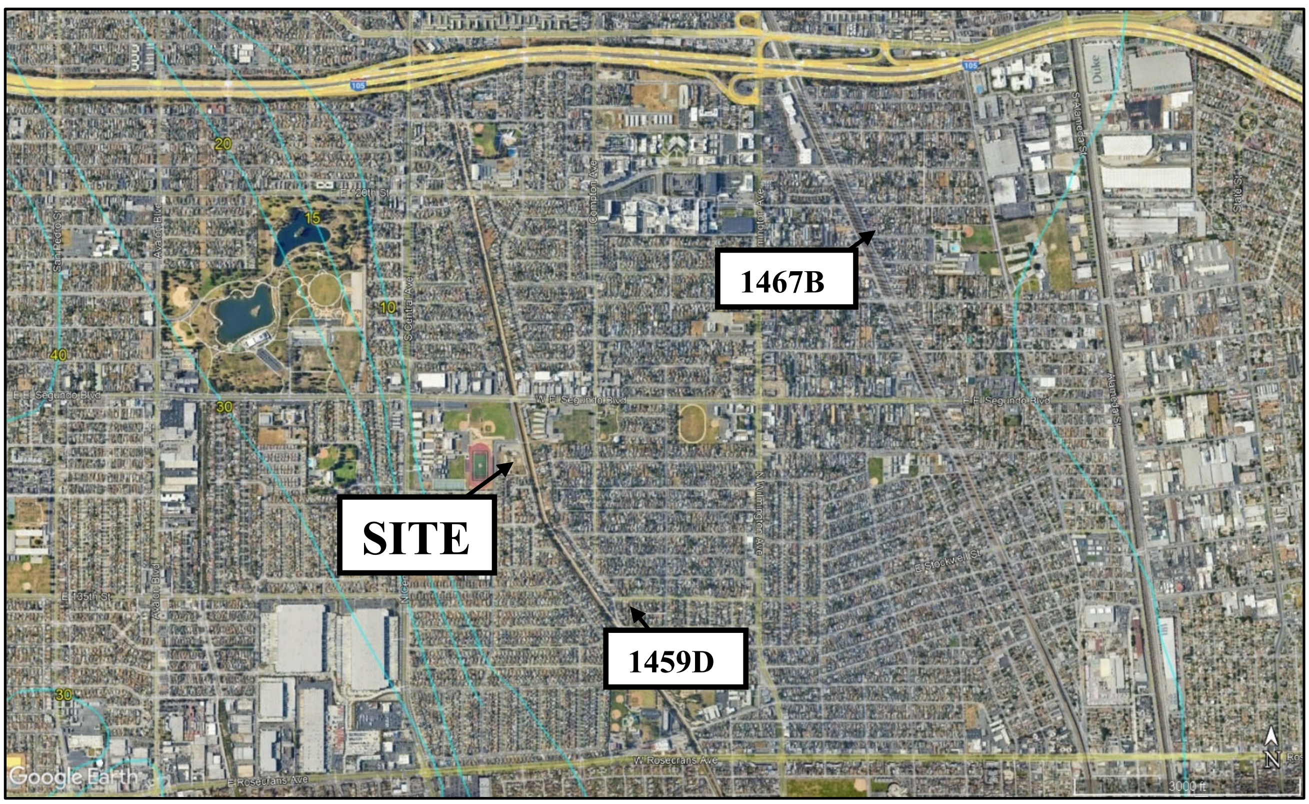

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FIGURE 2 - Groundwater Well Location Map

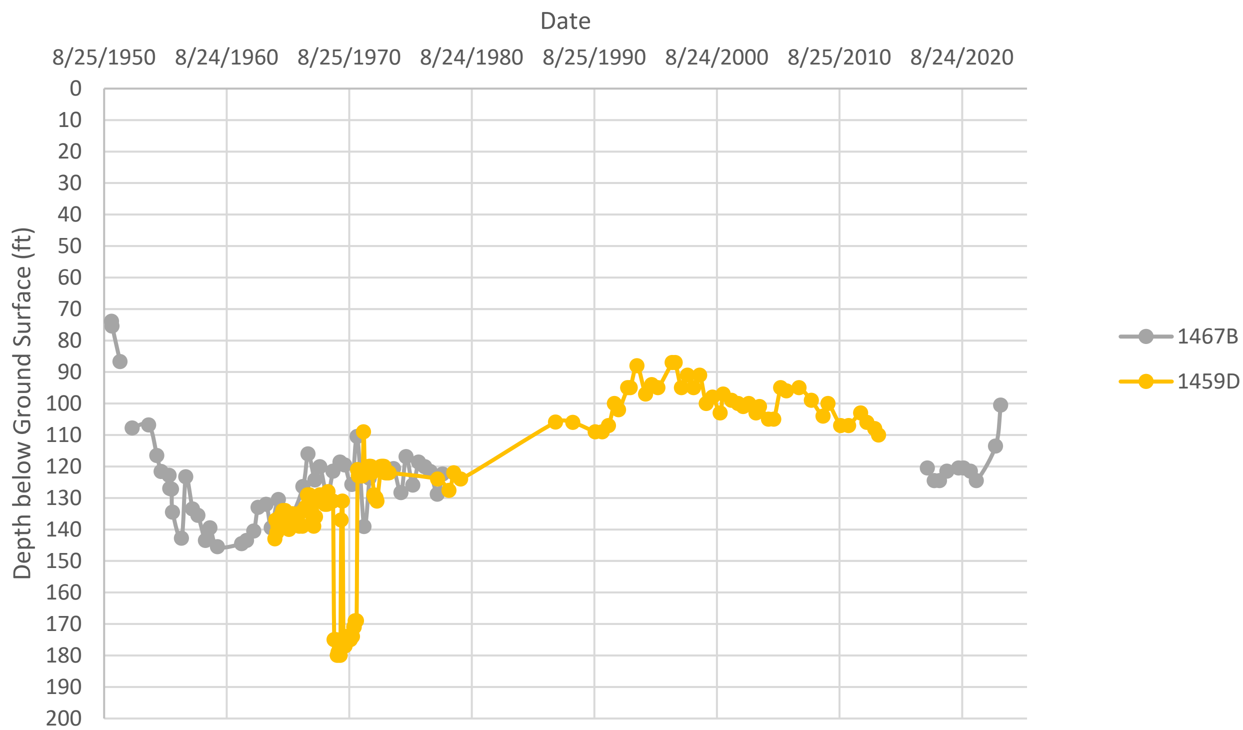


FIGURE 3 - Ground Water Data

3.3 FAULTING

Geologic literature and field exploration do not indicate the presence of active faulting within the site. The site does not lie within an "Earthquake Fault Zone" as defined by the State of California in the Alquist-Priolo Earthquake Fault Zoning Act. Table 3.1 presents a summary of all the known seismically active faults within 10 miles of the site based on the 2008 National Seismic Hazards Maps.

TABLE 3.1
Summary of Active Faults

Name	Distance (miles)	Slip Rate (mm/yr.)	Preferred Dip (degrees)	Slip Sense	Rupture Top (km)	Fault Length (km)
Newport Inglewood Connected alt 2	1.59	1.3	90	strike slip	0	208
Newport-Inglewood, alt 1	1.92	1	88	strike slip	0	65
Newport Inglewood Connected alt 1	1.92	1.3	89	strike slip	0	208
Puente Hills (LA)	4.04	0.7	27	thrust	2.1	22
Puente Hills (Santa Fe Springs)	6.37	0.7	29	thrust	2.8	11
Palos Verdes	9.9	3	90	strike slip	0	99
Palos Verdes Connected	9.9	3	90	strike slip	0	285

4.0 ANALYSES

4.1 SEISMICITY AND SEISMIC DESIGN PARAMETERS

2022 CBC requires seismic parameters in accordance with ASCE 7-16. Unless noted otherwise, all section numbers cited in the following refer to the sections in ASCE 7-16.

Per Section 20.3 the project site was designated as Site Class D. We used the OSHPD seismic hazard tool to obtain the basic mapped acceleration parameters, including short periods (S_S) and 1-second period (S_1) MCE_R Spectral Response Accelerations. Section 11.4.8 requires site-specific ground hazard analysis for structures on Site Class E with S_S greater than or equal to 1.0 or Site Class D or E with S_1 greater than or equal to 0.2. Based on the mapped values of S_S and S_1 the project site falls within this category, requiring site specific hazard analysis in accordance with Section 21.2.

However, *"A ground motion hazard analysis is not required for structures where: Structures on Site Class D sites with S_1 greater than or equal to 0.2, provided the value of the seismic response coefficient Cs is determined by Eq. (12.8-2) for values of $T \leq 1.5T_s$ and taken as equal to 1.5 times the value computed in accordance with either Eq. (12.8-3) for $T_L \geq T > 1.5T_s$ or Eq. (12.8-4) for $T > T_L$."* Assuming this exception is met for this project, a ground motion hazard analysis is not required and mapped seismic values can be used. Should this exception not be met, a ground motion hazard analysis is required to determine the Design response spectra for the proposed structures at this site. Both mapped and site-specific seismic design parameters are provided in this report as presented in Section 6.2. Details of a ground motion hazard analysis are explained below.

According to Section 21.2.3 (Supplement 1), the site-specific Risk Targeted Maximum Considered Earthquake (MCE_R) spectral response acceleration at any period is the lesser of the probabilistic and the deterministic response accelerations, subject to the exception specified in the same section. The probabilistic response spectrum was developed using the computer program OpenSHA (Field et al., 2013), which implements Method 1 as described in Section 21.2.1.1. Fault Models 3.1 and 3.2 from the Third Uniform California Earthquake Rupture Forecast (UCERF3) were used as the earthquake rupture forecast models for the PSHA. In addition to known fault sources, background seismicity was also included in the PSHA. The ground motion Prediction Equations (GMPEs) selected for use in this analysis are those developed for the Pacific Earthquake Engineering Research Center (PEER) Next Generation Attenuation (NGA) West 2 project. Four GMPEs - Abrahamson et al. (2014), Boore et al. (2014), Campbell and Bozorgnia (2014), and Chiou and Youngs (2014) were used to perform the analysis.

In accordance with Section 21.2.2 (Supplement 1), the deterministic spectral response acceleration at each period was calculated as the 84th percentile, 5% damped response acceleration, using NGA-West2 GMPE Worksheet. For this, the information from at least three causative faults with the greatest contribution per deaggregation analysis were used and the larger acceleration spectrum among these was selected as the deterministic response spectrum. The deterministic spectrum was adjusted per requirements in Section 21.2.2 (Supplement 1) where applicable. Both probabilistic and deterministic spectra were subjected to the maximum direction scale factors specified in Section 21.2 to produce the maximum acceleration spectra.

Design response spectrum was developed by subjecting the site-specific MCE_R response spectrum to the provisions outlined in Section 21.3. This process included comparison with 80% code-based design spectrum determined in accordance with Section 11.4.6. The short period and long period site coefficient (Fa and Fv, respectively) were determined per Section 21.3 in conjunction with Table 11.4-1. Site specific design acceleration parameters (S_{MS}, S_{M1}, S_{DS}, and S_{D1}) were calculated according to Section 21.4.

Per Section 11.2 (definitions on Page 79 of ASCE7-16) for evaluation of liquefaction, lateral spreading, seismic settlements, and other soil-related issues, Maximum Considered Earthquake Geometric Mean (MCE_G) peak ground acceleration PGA_M shall be used. The site-specific PGA_M is calculated per Section 21.5.3, as the lesser of the probabilistic PGA_M (Section 21.5.1) and deterministic PGA_M (Section 21.5.2), but no less than 80% site modified peak ground acceleration, PGA_M, obtained from OSHPD seismic hazard tool. From our analyses, we obtain a PGA_M of 0.839g.

4.2 STATIC SETTLEMENT

Analyses were performed to estimate settlement of footings for the anticipated loading conditions and configurations. Loading conditions for the proposed foundations are not known at this time. Based on previous experience, we have assumed the maximum load will not exceed 3 kips/ft. for continuous footing loads and 75 kips per column loads. Using the results of consolidation testing and assumption that existing fill soils will be recompacted, we estimate total static settlement would not exceed 1 inch.

4.3 LIQUEFACTION

Engineering research of soil liquefaction potential (Youd, et al., 2001) indicates that generally three basic factors must exist concurrently in order for liquefaction to occur. These factors include:

- A source of ground shaking, such as an earthquake, capable of generating soil mass distortions.
- A relatively loose silty and/or sandy soil.
- A relatively shallow groundwater table (within approximately 50 feet below ground surface) or completely saturated soil conditions that will allow positive pore pressure generation.

The California Geological Survey for liquefaction hazards has identified the site within a state designated liquefaction hazard zone. Groundwater was encountered at 43 feet below the existing grade during this firm's subsurface exploration. While the site is predominately fine-grained, granular materials were encountered at various depths during our investigation. Therefore, analyses were performed to evaluate liquefaction. Our analyses generally followed the guidelines presented in the CGS Special Publication 117A (2008) and the procedures by Youd, et al. (2001).

Our liquefaction analyses were based on a soil profile from boring B-1. Historical high groundwater was assumed at a depth of 10 feet below the existing ground surface. Fine-grained soils that do not have a Plasticity Index (PI) less than 12 and field moisture contents greater than 85% of liquid limit (LL) or soils with $(N_1)_{60\text{-}CS}$ "corrected blow counts" greater than 30 per foot were assumed to be not susceptible to liquefaction. For the purposes of liquefaction and seismic settlement analysis, fine contents of applicable subsurface materials were estimated based upon Geocon (2018), results of this study and engineering judgement. Based upon our analysis, liquefaction potential of some layers located below the depth of 10 feet have a factor of safety being less than 1.3 and therefore, may undergo liquefaction. Results of our analyses are provided in Appendix C.

Analyses were performed to evaluate the potential magnitude of settlement resulting from seismic shaking of saturated soils with a liquefaction safety factor less than 1.3. The estimated settlement caused by soil liquefaction was evaluated for the site based on the empirical procedures developed by Tokimatsu and Seed (1987) and Ishihara and Yoshimine (1992), which compare the volumetric strain in the soil with the induced cyclic stress ratios/liquefaction safety factors. Taking the average of these two methods, we estimate liquefaction-induced settlements to be up to 2.7 inches. Liquefaction induced-settlement analyses are provided in Appendix C.

Seismic-induced settlement can occur both above and below the groundwater table during a strong seismic event. We have estimated the dry seismic settlement using the Tokumatsu and Seed (1987) Method. Based on our analyses, dry seismic settlement is up to about 0.3 inches. The results of this analysis are provided in Appendix C.

Lateral spreading is a phenomenon that can occur during and shortly after the triggering of liquefaction. A gentle slope in the ground surface or the presence of a slope face nearby can cause the ground to slide or spread on layers of liquefied soil.

The potential for lateral spreading for the site was evaluated using the procedures developed by Youd, et al., (2002). The approach by Youd et al. to evaluate lateral spreading is empirical in nature. The database used to develop the lateral spread displacement regression equations is based on case histories in which the liquefiable layers extended laterally for substantial distances without being impeded by boundary effects. It may be inferred that significant lateral spreading has not been observed at narrow sites that are bounded by denser soils or bedrock, or at sites where liquefiable layers are laterally discontinuous. Youd et al. concluded that significant lateral spreading is expected only if a site is underlain by a laterally continuous, liquefiable layer of sufficient thickness that has a relative density that corresponds to an equivalent **$N1_{60}$ blow count ≤ 15**.

There is a free-face condition present near the site. A drainage channel is located about 22 feet east of the site and is about 12 feet in depth. However, based upon our analysis, the $N1_{60}$ blow count within the liquefiable layers range from ~19 to ~29. Since this range exceeds 15 blows, the potential for significant lateral spreading is low.

5.0 CONCLUSIONS

5.1 FEASIBILITY OF PROPOSED DEVELOPMENT

From a geotechnical point of view, the proposed site development is considered feasible provided the recommendations presented in this report are incorporated into the design and construction of the project. Furthermore, it is also our professional opinion that the proposed development will not adversely impact the stability of adjoining properties if grading and construction is performed in accordance with the recommendations presented in this report. Key issues that could have significant impacts on the geotechnical aspects of the proposed site development are discussed in the following sections of this report.

5.2 GEOLOGIC HAZARDS

5.2.1 Ground Rupture

No known active faults are known to project through the site nor does the site lie within the boundaries of an "Earthquake Fault Zone" as defined by the State of California in the Alquist-Priolo Earthquake Fault Zoning Act. The closest known active fault is the Newport Inglewood Connected alt 2 fault located approximately 1.59 miles from the site.

5.2.2 Ground Shaking

The site is situated in a seismically active area that has historically been affected by generally moderate to occasionally high levels of ground motion. The site lies in relatively close proximity to several seismically active faults; therefore, during the life of the proposed structures, the property will probably experience similar moderate to occasionally high ground shaking from these fault zones, as well as some background shaking from other seismically active areas of the Southern California region. Potential ground accelerations have been estimated for the site and are presented in Section **Error! Reference source not found.** of this report. Design and construction in accordance with the current California Building Code (C.B.C.) requirements are anticipated to adequately address potential ground shaking.

5.2.3 Landsliding

The site is not located within an area identified by the California Geologic Survey (CGS) as having potential for seismic slope instability. Additionally, the site topography is relatively flat. Geologic hazards associated with landsliding are not anticipated at the site.

5.2.4 Liquefaction

We have performed an evaluation of liquefaction potential. Based on our analyses, liquefaction may occur below the site during periods of strong ground motion using historic high groundwater. Our analyses indicate liquefaction could lead to a total seismic settlement (saturated and dry) of the ground surface of up to approximately 3 inches due to seismic consolidation during liquefaction. However, given relatively uniform subsurface conditions, the differential seismically-induced settlement is not expected to exceed 1 inch (over a horizontal distance of 30 feet).

Special Publication 117A, Guidelines for Evaluating and Mitigating Seismic Hazards in California, provides "Youd (1989), citing data from Japan, suggests that structural mitigation may be acceptable where displacements of less than one foot horizontal and less than four to six inches vertical are predicted", both of which are applicable to this site.

Geotechnical hazards related to liquefaction can be mitigated to the extent required to reduce seismic risk to "acceptable levels." The use of well-reinforced foundations, such as a post-tensioned foundation system, is expected to adequately provide basal support for the structure to avoid collapse during comparable liquefaction events.

The current standards for construction provided in the 2022 California Building Code are designed to safeguard against major failures and loss of life, but are not intended to limit damage, maintain functions, or provide for easy repair. Per Structural Engineers Association of California (SEAOC), conformance to these recommendations does not constitute any kind of guarantee or assurance that significant structural damage will not occur in the event of a maximum level of earthquake ground motion. However, it is reasonable to expect that a well-planned and constructed structure will not collapse in a major earthquake and that protection of life is reasonably provided, but not with complete assurance.

Evaluation of liquefaction was performed using widely-spaced SPT sampling. This method is prone to over-estimation of the liquefaction potential and resulting seismic settlement. Consideration can be given to carrying out Cone Penetration Testing (CPT) at this site for the purposes of a more accurate seismic settlement estimates for final design purposes. CPT collects subsurface data relatively continuously, whereas SPT is typically collected every 5 feet, resulting in inevitable conservatism given the interpolation between data points. Therefore, the seismic settlement estimates derived from the CPT method are usually less than those derived only based upon SPT-method.

5.3 STATIC SETTLEMENT

Artificial fills are present onsite and most likely associated with past grading of the general area and improvements for the previous buildings. Artificial fills are anticipated to cause excessive settlement if left in their current conditions. However, this condition can be mitigated by removing and recompacting these soils as part of site grading. Additionally, near surface alluvial materials are compressible and could lead to excessive total and differential settlement. As with the existing fill, this condition can be mitigated by removing and recompacting these soils as part of site grading. Specific recommendations for ground preparation are provided in Section 6 of this report.

5.4 EXCAVATION AND MATERIAL CHARACTERISTICS

Temporary construction slopes and trench excavations can likely be cut vertically up to a height of 5 feet within the onsite materials provided that no surcharging of the excavations is present. Temporary excavations greater than 5 feet in height will likely require side laybacks to 1:1 (H:V) or flatter to mitigate the potential for sloughing.

Prior possible demolition of the existing foundation slabs and pavement could have generated some amount of concrete and asphaltic concrete debris within the upper subsurface. Significant portions of concrete and asphaltic concrete debris, if any during over excavation, can likely be reduced in size to less than 4 inches and incorporated within fill soils during earthwork operations.

Onsite disposal systems, clarifiers, and other underground improvements may be present on site. If encountered during future rough grading, these improvements will require proper abandonment or removal.

Subsurface soils are anticipated to be relatively easy to excavate with conventional heavy earthmoving equipment.

The existing near surface soils is expected to be above optimum moisture content, depending upon construction season. Some of these soils are anticipated to require drying to achieve proper compaction. If any excessively moist soils may be encountered during grading, they will require modification or complete removal if not allowed time to dry.

5.5 SHRINKAGE AND SUBSIDENCE

Volumetric changes in earth quantities will occur when excavated onsite soil materials are replaced as properly compacted fill. We estimate the existing upper earth materials will shrink between 7 and 13 percent. Subsidence of removal bottoms is estimated to be on the order of 0.05 feet. The estimates of shrinkage are intended as an aid for project engineers in determining earthwork quantities. However, these estimates should be used with some caution since they are not absolute values. Contingencies should be made for balancing earthwork quantities based on actual swelling and bulkage that occurs during the grading process.

5.6 SOIL EXPANSION

Based on our laboratory test results and the USCS visual manual classification, the near-surface soils within the site are generally anticipated to possess a **Medium** expansion potential. This condition will impact the design and construction of foundations and flatwork. Specific recommendations are provided in Section 6 of this report. Additional testing for soil expansion may be required subsequent to rough grading and prior to construction of foundations and other concrete work to confirm these conditions and our recommendations.

5.7 PERCOLATION CHARACTERISTICS

Groundwater was encountered at a depth of 43 feet below the ground surface at the time of our investigation. Additionally, site materials have relatively high clay content to a depth of 45 feet below the existing ground surface. Given the presence of relatively impervious materials within the upper 45 feet and groundwater at a depth of 43 feet, infiltration of storm water does not appear to be feasible.

6.0 RECOMMENDATIONS

6.1 EARTHWORK

6.1.1 General Earthwork and Grading Specifications

All earthwork and grading should be performed in accordance with applicable requirements of Cal/OSHA, applicable specifications of the Grading Codes of the City of Compton, California in addition to the recommendations presented herein.

6.1.2 Pre-Grade Meeting and Geotechnical Observation

Prior to commencement of grading, we recommend a meeting be held between the developer, City Inspector, grading contractor, civil engineer, and geotechnical consultant to discuss the proposed grading and construction logistics. We also recommend that a geotechnical consultant be retained to provide soil engineering and engineering geologic services during site grading and foundation construction. This is to observe compliance with the design specifications and recommendations, and to allow design changes in the event that subsurface conditions differ from those anticipated. If conditions are encountered that appear to be different than those indicated in this report, the project geotechnical consultant should be notified immediately. Design and construction revisions may be required.

6.1.3 Site Clearing

All existing site improvements, oversized materials, vegetation and other deleterious materials should be removed from the areas to be developed. Existing underground improvements such as utility lines, septic tanks, seepage pits, etc. are also anticipated at the site. If encountered during site development, these improvements should also be completely removed from the site and seepage pits should be properly abandoned in accordance with the requirements established by the governing agencies as well as recommendations made in the field by the project geotechnical consultant.

In general, seepage pits that are open should be cleared of any fluids and then filled with 2-sack cement slurry up to within 5 feet of proposed grades. Any brick lining that remains in the upper 5 feet should be removed and the remainder of the pit filled with engineered fill in accordance with Section 0. Seepage pits that are presently backfilled with soil should be removed to a depth of 10 feet below pad grade and be capped with 2-sack cement slurry. The slurry cap should be at least 5 feet thick and should extend at least 12 inches outside the perimeter of the seepage pit. The remaining 5 feet should be filled with engineered fill in accordance with Section 0.

The project geotechnical consultant should be notified at the appropriate times to provide observation services during clearing operations to confirm compliance with the above recommendations. Voids created by clearing and excavation should be left open for observation by the geotechnical consultant. Should any unusual soil conditions or subsurface structures be encountered during site clearing or grading that are not described or anticipated herein, these conditions should be brought to the immediate attention of the project geotechnical consultant for corrective recommendations as needed.

6.1.4 Ground Preparation

The existing artificial fill should be removed and replaced as engineered compacted fills. These removals will be required in proposed building pads, retaining and screen walls, pavement, and any other “structural” areas, and replaced as engineered compacted fill. These materials are estimated to extend up to about 6 feet but may extend deeper in localized areas. The actual depth of removal should be determined by the geotechnical consultant during grading. Removal of existing fill soils should extend a horizontal distance equal to the depth of removal (1:1 projection) but not less than 5 feet for the residential structures.

In addition to general removal of fill soils, the existing alluvial soils should be over-excavated such that at least 2 feet of engineered fills are provided below the bottom of footings for the residential buildings and retaining walls more the 3 feet in height. Alluvial soils within pavement areas should be removed to at least 12 inches below the proposed pavement subgrade and replaced with engineered compacted fill. Such removals should extend at least to the outer edges of the pavement.

Where removals are limited by the existing structures, protected trees or property lines, special considerations may be required in the construction of affected improvements. Under such conditions, specific recommendations should be provided by this firm.

All removal excavations should be evaluated by the geotechnical consultant during grading to confirm the exposed conditions are as anticipated and to provide supplemental recommendations if required.

The grading contractor should take appropriate measures when excavating adjacent any existing improvements to remain in-place to avoid disturbing or compromising support of any existing structures, as the case maybe.

6.1.5 Scarification

Following removals, the exposed grade should first be scarified to a depth of 6 inches; moisture conditioned to at least 120 percent of the optimum moisture content, and then compacted to at least 90 percent of the laboratory determined maximum dry density.

6.1.6 Temporary Excavations

Temporary construction slopes in site materials that are not surcharged may be cut vertically up to a height of 5 feet. Temporary excavations greater than 5 feet in height that are not surcharged should be laid back at a maximum gradient of 1:1 (H:V) or properly shored. If temporary cuts will be surcharged, specific recommendations should be provided by the geotechnical consultant.

Excavations should not be left open for prolonged periods of time. The project geotechnical consultant should observe all temporary cuts to confirm anticipated conditions and to provide alternate recommendations if conditions dictate. All excavations should conform to the requirements of Cal/OSHA.

The grading contractor should take appropriate measures when excavating adjacent existing improvements to avoid disturbing or compromising support of existing structures.

6.1.7 Fill Placement

In general, materials excavated from the site may be used as fill provided they are free of deleterious materials, do not contain rocks greater than 6 inches in maximum dimension within 3 feet of finished pad grade and do not contain rocks greater than 12 inches in maximum dimension below 3 feet from finish pad grade. Rocks greater than 12 inches in diameter that cannot be reduced in size should be removed from the site. Asphaltic concrete debris generated by site demolition can be reduced to no more than 4 inches in maximum dimension and incorporated with fill soils during earthwork operations. All fills should be sufficiently well graded to prevent nesting of larger particles. Fill should be placed in lifts no greater than 8 inches in loose thickness, moisture-conditioned to at least 120% of the optimum moisture content, and then compacted in place to at least 90 percent of the maximum dry density determined in accordance with ASTM D 1557. Each lift should be treated in a similar manner. Subsequent lifts should not be placed until the project geotechnical consultants have approved the preceding lift. Required moisture-conditioning of 120% of the optimum moisture content may need to be adjusted in the field by our representative, if required minimum 90 percent relative compaction cannot be achieved.

6.1.8 Import Materials

All imported fill shall be observed, tested and accepted by the Geotechnical Engineer prior to use at the project site. Import soils to be used in the building pad areas should have an expansion index of less than 90 (ASTM D 4829) and corrosive characteristics that are equally or less detrimental than that of the existing onsite soils. Import sources should be indicated to the geotechnical consultant at least 3 days prior to hauling the materials to the site so that appropriate testing and evaluation of the fill materials can be performed in advance.

6.2 SEISMIC DESIGN PARAMETERS

6.2.1 Mapped Seismic Design Parameters

For design of the project in accordance with Chapter 16 of the 2022 CBC, the mapped seismic parameters may be taken as presented in the tables below.

TABLE 6.1
2022 CBC Mapped Seismic Design Parameters

Parameter	Value
Site Class	D
Mapped MCE_R Spectral Response Acceleration, short periods, S_S	1.779
Mapped MCE_R Spectral Response Acceleration, at 1-sec. period, S_1	0.633
Site Coefficient, F_a	1
Site Coefficient, F_v	1.7*
Adjusted MCE_R Spectral Response Acceleration, short periods, S_{MS}	1.779
Adjusted MCE_R Spectral Response Acceleration, at 1-sec. period, S_{M1}	1.614*
Design Spectral Response Acceleration, short periods, S_{DS}	1.186
Design Spectral Response Acceleration, at 1-sec. period, S_{D1}	1.076*
Long-Period Transition Period, T_L (sec.)	8
Risk Categories (I-IV)	II
Seismic Design Category	D

MCE_R = Risk-Targeted Maximum Considered Earthquake

*According to Section 11.4.8 in ASCE 7-16, "a ground motion hazard analysis shall be performed in accordance with Section 21.2 for the following structures on Site Class D and E sites with S_1 greater than or equal to 0.2." However, "A ground motion hazard analysis is not required for structures where: Structures on Site Class D sites with S_1 greater than or equal to 0.2, provided the value of the seismic response coefficient C_s is determined by Eq. (12.8-2) for values of $T \leq 1.5T_s$ and taken as equal to 1.5 times the value computed in accordance with either Eq. (12.8-3) for $T_L \geq T > 1.5T_s$ or Eq. (12.8-4) for $T > T_L$." The F_v value of 1.7 above from Table 11.4-2 assumes that this exception is met and that a ground motion hazard analysis is not required. The value of the parameters S_{M1} and S_{D1} above, are already increased by 50% as required in ASCE7-16 Supplement 3, Section 11.4.8, Item 1 Exception. Should the preceding exceptions not be met, the site-specific seismic design parameters provided in the next section should be used.

6.2.2 Site-Specific Seismic Design Parameters

In addition to the Code Spectra parameters presented in Table 6.1, we have performed a site-specific ground motion hazard analysis in accordance with Chapter 21 of ASCE 7-16 to obtain site-specific seismic design acceleration parameters, the risk-targeted maximum considered earthquake response spectrum, and the design earthquake response spectrum. The site-specific seismic design parameters are presented below.

TABLE 6.2
2022 CBC Site Specific Seismic Design Parameters

Parameter	Value
Site Class	D
Site Coefficient, F_a	1
Site Coefficient, F_v	2.5
Adjusted MCE Spectral Response Acceleration, short periods, S_{MS}	1.982
Adjusted MCE Spectral Response Acceleration, at 1-sec. period, S_{M1}	1.821
Design Spectral Response Acceleration, short periods, S_{DS}	1.321
Design Spectral Response Acceleration, at 1-sec. period, S_{D1}	1.214

MCE = Maximum Considered Earthquake

6.3 FOUNDATION DESIGN

6.3.1 General

The following design parameters are provided to assist the project structural engineer to design foundation systems to support the proposed structures at the site. Recommendations for design of other foundation systems will be provided upon request. These design parameters are based on typical site materials encountered during subsurface exploration and are provided for preliminary design and estimating purposes. Depending on actual materials encountered during site grading and actual foundation loads, the design parameters presented herein may require modification.

6.3.2 Soil Expansion

The recommendations presented herein are based on soils with a **Medium** expansion potential (EI < 90). Following site grading, additional testing of site soils should be performed by the project geotechnical consultant to confirm the basis of these recommendations. If site soils with higher expansion potentials are encountered or imported to the site, the recommendations contained herein may require modification.

6.3.3 Settlement

Under normal static conditions, the foundation system should be designed to tolerate a total static settlement of up to 1 inch and a differential settlement of ½-inch over 30 feet. The foundations should also be designed for total and differential seismic settlement of up to 3 inches and 1-inch over 30 feet, respectively. The PTI parameters provided in Table 6.3 incorporate the estimate seismic settlement. The project structural engineer should design a suitable post-tensioned foundation system which accommodates the estimated seismic settlements.

6.3.4 Allowable Bearing Value

Provided site grading is performed as recommended herein, a bearing value of 2,000 pounds per square foot (psf) may be used for continuous or isolated pad footings. The bearing value is based on beams having a minimum width of 12 inches and founded at a minimum of 12 inches below the lowest adjacent grade. The bearing value for isolated pad footings is based on a minimum width of 24 inches, with a minimum embedment depth of 12 inches. The above value may be increased by 150 psf and 700 psf for each additional foot in width and depth, respectively, up to a maximum value of 3,000 psf. Recommended allowable bearing values include both dead and live loads and may be increased by one-third for wind and seismic forces.

6.3.5 Lateral Resistance

Provided site grading is performed in accordance with the recommendations provided by the project geotechnical consultant, an allowable (i.e., factor of safety of 2) passive earth pressure of 160 pounds per square foot per foot of depth beneath the lowest adjacent soil subgrade, up to a maximum value of 2,000 pounds per square foot may be used. This value may be increased by one-third when designing for wind and seismic forces. A coefficient of friction of 0.32 times the dead load forces may also be used between concrete and the supporting soils to determine lateral sliding resistance. No increase in the coefficient of friction should be used when designing for wind and seismic forces. Where lateral removals cannot be performed, the passive resistance values should be decreased by 50% such as along property line walls.

The above values are based on foundations placed directly against compacted fill. In the case where footing sides are formed, all backfill against the foundations should be compacted to at least 90 percent of the laboratory standard.

6.3.6 Post-Tensioned Slab/Mat on Grade

Due to the expansion potential and potential seismic settlements, the proposed structures should be supported by a post-tension foundation system. Perimeter edge beams for the post-tensioned slabs should have a minimum effective width of 12 inches and be founded at a minimum depth of 18 inches below the lowest adjacent final ground surface. Interior beams may be founded at a minimum depth of 12 inches below the tops of the finish floor slabs. Where a post-tensioned mat is utilized, the exterior edge of the mat should be embedded at least 8 inches below the lowest adjacent grade. The thickness of the floor slab/mat should be determined by the project structural engineer; however, we recommend a minimum slab thickness of 5 inches.

Design of the mat may be based on a modulus of subgrade reaction (Kv1) of 100 pounds per cubic inch (pci). The modulus is based on an effective loading area of 1 foot by 1 foot. The modulus may be adjusted for other effective loading areas using the equation provided below.

$$k_b(pci) = Kv1\left\{\frac{b+1}{2b}\right\}^2$$

where “b” is the effective width of loading (minimum dimension) in feet.

Concrete floor slabs in areas to receive carpet, tile, or other moisture sensitive coverings should be underlain with a minimum of 10-mil moisture vapor retarder conforming to ASTM E 1745, Class A. The membrane should be properly lapped, sealed, and underlain within a layer of sand at least 4 inches thick. One inch of sand may be placed over the membrane to aid in the curing of the concrete. The sand should have a Sand Equivalent (SE) of no less than 30. This vapor retarder system is anticipated to be suitable for most flooring finishes that can accommodate some vapor emissions. However, this system may emit more than 4 pounds of water per 1000 sq. ft. and therefore, may not be suitable for all flooring finishes. Additional steps should be taken if such vapor emission levels are too high for anticipated flooring finishes.

This firm does not practice in areas of moisture damage-mitigation measures, as this is not under the purview of geotechnical engineering. Therefore, a qualified professional should be retained by the project owner and consulted for specific moisture-damage control recommendations.

Prior to placing concrete, subgrade soils below slab-on-grade/mat areas should be thoroughly moistened to provide moisture contents at least 120 percent of the optimum moisture content to a depth of 12 inches.

Based on the guidelines provided in the "Design of Post-Tensioned Slabs-on-Ground" 3rd Edition by Post-Tensioning Institute, the em and ym values are summarized below:

TABLE 6.3
PTI Design Parameters

Parameter	Value
Edge Lift Moisture Variation Distance, e_m	4.2 feet
Edge Lift, y_m	2.1inches
Center Lift Moisture Variation Distance, e_m	7.9 feet
Center Lift, y_m	1.5 inches

6.3.7 Foundation Observations

Foundation excavations should be observed by the project geotechnical consultant to confirm that they have been excavated into competent bearing soils and to the minimum embedment recommended above. These observations should be performed prior to placement of forms or reinforcement. The excavations should be trimmed neat, level, and square. Loose, sloughed or moisture-softened materials and debris should be removed prior to placing concrete.

6.4 RETAINING AND SCREENING WALLS

6.4.1 General

We have provided preliminary recommendations for retaining walls in the event that are required for site development which may be augmented as development plan progresses.

The following preliminary design and construction recommendations are provided for general retaining and screen walls. Final wall designs specific to the site development should be provided to the project geotechnical consultant for review once completed. The structural engineer and architect should provide appropriate recommendations for sealing at all joints and applying moisture-proofing material on the back of the walls.

6.4.2 Allowable Bearing Value and Lateral Resistance

Provided site grading is performed as recommended herein, the values for bearing and lateral resistance provided in Sections 6.3.4 and 6.3.5 may be utilized in design of retaining and screen walls. The coefficient of friction should not be applied to the portions of the footing in front of keyways used for passive resistance. The passive resistance values should be reduced by 50% for walls along property lines.

The recommended values are based on footings placed directly against properly compacted fill. In the case where footing sides are formed, all backfill against the footings should be compacted to at least 90 percent of the laboratory standard.

6.4.3 Earth Pressures

Static and seismic earth pressures for level and 2:1 (H:V) backfill conditions are provided in Table 6.4. Seismic earth pressures provided herein are based on the method provided by Seed & Whitman (1970) using a peak ground acceleration (PGA) of 0.46 g for 10% probability of exceedance in 50 years. As indicated in Section 1803.5.12 of the 2022 CBC, retaining walls supporting 6 feet of backfill or less are not required to be designed for seismic earth pressures. The values provided in the following table do not consider hydrostatic pressure. Retaining walls should also be designed to support adjacent surcharge loads imposed by other nearby footings or traffic loads in addition to the earth pressure.

6.4.4 Drainage and Moisture-Proofing

Retaining walls should be constructed with a perforated pipe and gravel subdrain to prevent entrapment of water in the backfill. The perforated pipe should consist of 4-inch-diameter, ABS SDR-35 or PVC Schedule 40 with the perforations laid down. The pipe should be embedded in ¾- to 1½- inch open-graded gravel wrapped in filter fabric. The gravel should be at least one foot wide and extend at least one foot up the wall above the footing and drainage outlet. Drainage gravel and piping should not be placed below outlets and weepholes. Filter fabric should consist of Mirafi 140N, or equal. Outlet pipes should be directed to positive drainage devices.

The use of weepholes may be considered in locations where aesthetic issues from potential nuisance water are not a concern. Weepholes should be 2 inches in diameter and provided at least every 6 feet on center. Where weepholes are used, perforated pipe may be omitted from the gravel subdrain.

Retaining walls supporting backfill should also be coated with a moisture-proofing compound or covered with such material to inhibit infiltration of moisture through the walls. Moisture-proofing material should cover any portion of the back of wall that will be in contact with soil and should lap over and onto the top of footing. A drainage panel should be provided between the soil backfill and water proofing. The panel should extend from the top of the backdrain gravel up to within 12 inches of finish grade. The top of footing should be finished smoothly with a trowel to inhibit the infiltration of water through the wall. The project structural engineer should provide specific recommendations for moisture-proofing, water stops, and joint details.

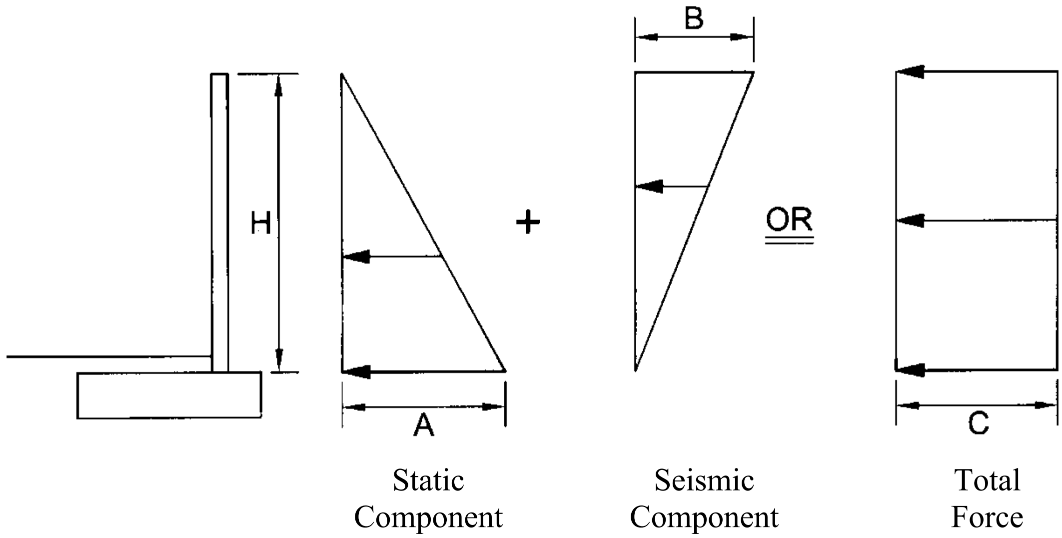
6.4.5 Footing Reinforcement

All continuous footings should be reinforced with a minimum of two No. 4 bars, one top and one bottom. The structural engineer may require different reinforcement and should dictate if greater than the recommendations provided herein.

6.4.6 Wall Jointing

All free-standing, exterior site walls should be provided with cold joints through the masonry block section at horizontal spacing generally not exceeding 10 feet. The joints should not extend through the footing. Retaining walls that are integral to the building should be provided joints based on recommendations by the structural engineer.

TABLE 6.4
SEISMIC EARTH PRESSURES
Pressure Diagram



Earth Pressure Values
Walls Up to 10 Feet in Height

Value	Backfill Condition	
	Level	2H:1V Slope
A	34H	57H
B	14H	14H
C	24H	35.5H

Note: H is in feet and resulting pressure is in psf. Design may utilize either the sum of the static component and the seismic component force diagrams or the total force diagram above. SEAOSC has suggested using a load factor of 1.7 for the static component and 1.0 for the seismic component. The actual load factors should be determined by the structural engineer.

6.4.7 Footing Observations

Footing excavations should be observed by the project geotechnical consultant to confirm that they have been excavated into competent bearing soils and to the minimum embedment recommended herein. These observations should be performed prior to placement of forms or reinforcement. The excavations should be trimmed neat, level, and square. Loose, sloughed or moisture-softened materials and debris should be removed prior to placing concrete.

6.4.8 Wall Backfill

Onsite soils (EI<90) may be used for backfilling behind retaining walls up to 3 feet in height. Walls of greater retained height should utilize backfill soils having an EI no greater than 20. Such select backfill should be placed within a 1:1 plane project up from the base of the wall stem. The project geotechnical consultant should evaluate the backfill used for retaining walls prior to use. Wall backfill should be thoroughly moistened to provide moisture contents slightly over optimum moisture content; placed in lifts no greater than 12 inches in thickness, and then mechanically compacted with appropriate equipment to at least 90 percent of the laboratory standard. Hand-operated compaction equipment should be used to compact the backfill placed immediately adjacent to the wall to avoid damage to the wall.

6.5 EXTERIOR FLATWORK

Site soils are Medium expansive and will tend to cause potentially significant heave in exterior flatwork. To help mitigate adverse effects of expansive soils, we are providing the following minimum recommendations. Even with the implementation of these recommendations, flatwork may tend to move and crack.

Exterior flatwork should be a minimum of 4 inches thick. Cold joints or saw cuts should be provided at least every 5 feet in each direction. Flatwork more than 5 feet in width across the minimum dimension should be reinforced with 6-inch by 6-inch, W4.0 by W4.0 welded wire mesh, or No. 3 bars spaced 18 inches center to center in both directions. Cold joints should be keyed or provided with dowels spaced 18 inches on center. Flatwork that meets the structure at points of entry should be doweled into the footing or grade beam of the structure. Consideration should also be given to doweling flatwork into curbs where they meet. Special jointing detail should be provided in areas of block-outs, notches, or other irregularities to avoid cracking at points of high stress. Subgrade soils below flatwork should be thoroughly moistened to a moisture content of at least 125 percent of the optimum to a depth of 12 inches. Moistening should be accomplished by lightly spraying the area over a period of a few days just prior to pouring concrete.

Drainage from flatwork areas should be directed to local area drains and/or other appropriate collection devices designed to carry runoff water to the street or other approved drainage structures. The concrete flatwork should also be sloped at a minimum gradient of 1.5% away from building foundations and masonry walls.

The geotechnical consultant should observe and confirm the density and moisture content of the subgrade soils prior to pouring concrete to confirm the recommended pre-moistening recommendations have been met.

6.6 CONCRETE MIX DESIGN

Laboratory testing of onsite soil indicates negligible soluble sulfate content. Concrete designed to follow the procedures provided in ACI 318-19, Section 19.3, Table 19.3.1.1 for **S0** sulfate exposure are anticipated to be adequate for mitigation of sulfate attack on concrete. Upon completion of rough grading, an evaluation of as-graded conditions and further laboratory testing will be required for the site to confirm or modify the conclusions provided in this section.

6.7 CORROSION POTENTIAL

This firm's laboratory testing of onsite soil indicates a minimum resistivity of 1,900 ohm-cm, chloride content of 42.5ppm, and a pH of 7.45. Based on laboratory test results, site soils are **Highly Corrosive** to metals, which is consistent with Geocon (2018) findings. Structures fabricated from metals should have appropriate corrosion protection if they will be in direct contact with site soils. Under such conditions, a corrosion specialist should provide specific recommendations. Additional testing will be required to further assess this issue.

6.8 POST GRADING CONSIDERATIONS

6.8.1 Site Drainage and Irrigation

Positive drainage devices, such as sloping concrete flatwork, graded swales or area drains, should be provided around the new construction to collect, and direct all surface water to suitable discharge areas. In general, the site should be graded to conform to the requirements of Section 1804.4 of the 2022 California Building Code. No rain or excess water should be directed toward or allowed to pond against structures such as walls, foundations, flatwork, etc.

Excessive irrigation water can be detrimental to the performance of the proposed site development. Water applied in excess of the needs of vegetation will tend to percolate into the ground. Such percolation can lead to nuisance seepage and shallow perched groundwater. Seepage can form on slope faces, on the faces of retaining walls, in streets, or other low-lying areas. These conditions could lead to adverse effects such as the formation of stagnant water that breeds insects, distress or damage of trees, surface erosion, slope instability, discoloration and salt buildup on wall faces, and premature failure of pavement. Excessive watering can also lead to elevated vapor emissions within buildings that can damage flooring finishes or lead to mold growth inside the home.

Key factors that can help mitigate the potential for adverse effects of overwatering include the judicious use of water for irrigation, use of irrigation systems that are appropriate for the type of vegetation and geometric configuration of the planted area, the use of soil amendments to enhance moisture retention, use of low-water demand vegetation, regular use of appropriate fertilizers, and seasonal adjustments of irrigation systems to match the water requirements of vegetation. Specific recommendations should be provided by a landscape architect or other knowledgeable professional.

6.8.2 Utility Trenches

Trench excavations should be constructed in accordance with the recommendations contained in Section 6.1.6 of this report. Trench excavations must also conform to the requirements of Cal/OSHA.

Trench backfill materials and compaction criteria should conform to the requirements of the local municipalities. As a minimum, utility trench backfill should be compacted to at least 90 percent of the laboratory standard. Trench backfills should be brought to moisture content slightly over optimum, placed in lifts no greater than 12 inches in thickness, and then mechanically compacted with appropriate equipment to at least 90 percent of the laboratory standard. The project geotechnical consultant should perform density testing, along with probing, to test compaction. Jetting should not be completed without prior acceptance from the project geotechnical consultant.

Within shallow trenches (less than 18 inches deep) where pipes may be damaged by heavy compaction equipment, imported clean sand having a SE of 30 or greater may be utilized. The sand should be placed in the trench, thoroughly watered, and then compacted with a vibratory compactor. For utility trenches located below a 1:1 (H:V) plane projecting downward from the outside edge of the adjacent footing base or crossing footing trenches, concrete or slurry should be used as trench backfill.

6.9 PRELIMINARY PAVEMENT DESIGN

6.9.1 Preliminary Structural Sections

Based on the soil conditions present at the site and estimated traffic indices, preliminary pavement sections are provided in Table 6.5 below. A preliminary "R-value" of 10 was used for the near-surface soil in this preliminary pavement design. The sections provided below are for planning purposes only and should be re-evaluated after site grading. Final pavement sections should be based on actual R-value testing of in-place soils and analysis of anticipated traffic.

TABLE 6.5
PRELIMINARY PAVEMENT STRUCTURAL SECTIONS
FOR RESIDENTIAL DEVELOPMENT

Location	Traffic Index	AC (inches)	Paver Thickness (mm)	Portland Cement Concrete (inches)	AB (inches)
Access Streets	5.5	3.0 4.0	--	--	12.0 9.0
		--	80	--	13.0
		--	--	7.5	--
Parking Stalls	n/a	3.0	--	---	6.0

6.9.2 Subgrade Preparation

Prior to placement of pavement elements, subgrade soils should be moisture-conditioned to at least 120 percent of the optimum moisture content then compacted to at least 90 percent of the laboratory determined maximum dry density. Areas observed to pump or yield under vehicle traffic should be removed and replaced with firm and unyielding compacted soil or aggregate base materials.

6.9.3 Aggregate Base

The aggregate base should be moisture conditioned to slightly over the optimum moisture content, placed in lifts no greater than 6 inches in thickness, then compacted to at least 95 percent of the laboratory standard (ASTM D 1557). Aggregate base materials should be Class 2 Aggregate Base conforming to Section 26-1 of the latest edition of the Caltrans Standard Specifications, Crushed Aggregate Base conforming to Section 200-2.2 of the latest edition of the Standard Specifications for Public Works Construction (Greenbook) or Crushed Miscellaneous Base conforming to Section 200-2.4 of the Greenbook.

6.9.4 Asphaltic Concrete

Paving asphalt should be PG 64-10. Asphaltic concrete materials should conform to Section 203-6 of the Greenbook, and construction should conform to Section 302 of the Greenbook. Where traffic will traverse over cold joints in asphaltic concrete such as against concrete ribbon gutters and concrete paver sections, the asphaltic concrete section should be thickened by 1 additional inch from the values indicated in the above Table 6.5 within 2 feet of cold joints.

6.9.5 Concrete Pavers

Concrete pavers should conform to the requirements of ASTM C 936. Construction of the pavers, including bedding sand, should follow manufacturer's specifications. Typical thickness of bedding sand is about 1 inch. The gradation of bedding sand should meet the requirement in Table 6.6.

TABLE 6.6
Gradation for Sand Bedding

Sieve Size	Percent Passing
⅜"	100
No. 4	95 - 100
No. 8	80 - 100
No. 16	50 - 85
No. 30	25 - 60
No. 50	5 - 30
No. 100	0 - 10
No. 200	0 - 1

Construction of edge restraints should also follow manufacturer's specifications. As a minimum, restraints should be provided along the perimeter of concrete pavers and where there is a change in the paving materials. The proposed concrete bands should extend to the bottom of the base course underlying the concrete pavers. Portland cement concrete used to construct concrete bands should conform to Section 201 of the Greenbook and should have a minimum compressive strength of 2,500 pounds per square inch (psi) at 28 days. The reinforcement and jointing of concrete pavement sections should be designed according to the minimum recommendations provided by the Portland Cement Association (PCA). For rigid pavement, transverse and longitudinal contraction joints should be provided at a spacing no greater than 15 feet. Score joints may be constructed by saw cutting to a depth of ¼ of the slab thickness. Expansion/cold joints may be used in lieu of score joints. However, cold joints should be provided with dowels or keyways are recommended by PCA.

6.9.6 Portland Cement Concrete (PCC)

Portland cement concrete used to construct concrete paving should conform to Section 201 of the Greenbook and should have a minimum compressive strength of 3,500 pounds per square inch (psi) at 28 days. The reinforcement and jointing of concrete pavement sections should be designed according to the minimum recommendations provided by the Portland Cement Association (PCA). For rigid pavement, transverse and longitudinal contraction joints should be provided at a spacing no greater than 15 feet. Score joints may be constructed by saw cutting to a depth of ¼ of the slab thickness. Expansion/cold joints may be used in lieu of score joints. Such joints should be properly sealed. Where traffic will traverse over cold joints or edges of concrete paving, the edges should be thickened by 20% of the design thickness toward the edge over a horizontal distance of 5 feet.

6.10 PLAN REVIEW AND CONSTRUCTION SERVICES

We recommend ***Albus & Associates, Inc.*** be engaged to review any future development plans, including revisions to the grading plans, foundation plans and proposed structural loads, prior to construction. This is to confirm that the assumptions of this report are valid and that the preliminary conclusions and recommendations contained in this report have been properly interpreted and are incorporated into the project plans and specifications. If we are not provided with the opportunity to review these documents, we take no responsibility for misinterpretation of our preliminary conclusions and recommendations.

We recommend that a geotechnical consultant be retained to provide soil engineering services during construction of the project. These services are to observe compliance with the design, specifications, or recommendations, and to allow design changes if subsurface conditions differ from those anticipated prior to the start of construction.

If the project plans change significantly from the assumed development described herein, the project geotechnical consultant should review our preliminary design recommendations and their applicability to the revised construction. If conditions are encountered during construction that appear to be different than those indicated in this report or subsequent design reports, the project geotechnical consultant should be notified immediately. Design and construction revisions may be required.

7.0 LIMITATIONS

This report is based on the proposed development and geotechnical data as described herein. The materials described herein and in other literature are believed representative of the total project area, and the conclusions contained in this report are presented on that basis. However, soil materials can vary in characteristics between points of exploration, both laterally and vertically, and those variations could affect the conclusions and recommendations contained herein. As such, observation and testing by a geotechnical consultant prior to and during the grading and construction phases of the project are essential to confirming the basis of this report.

This report summarizes several geotechnical topics that should be beneficial for project planning and budgetary evaluations. The information presented herein is intended only for a preliminary feasibility evaluation and is not intended to satisfy the requirements of a site specific and detailed geotechnical investigation required for further planning and permitting.

This report has been prepared consistent with that level of care being provided by other professionals providing similar services at the same locale and time period. The contents of this report are professional opinions and as such, are not to be considered a guaranty or warranty.

This report should be reviewed and updated after a period of one year or if the site ownership or project concept changes from that described herein.

This report has been prepared for the exclusive use of **G3 Urban** to assist the project consultants in determining the feasibility of the proposed development. This report has not been prepared for use by parties or projects other than those named or described herein. This report may not contain sufficient information for other parties or other purposes.

Respectfully submitted,

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Geotechnical Due-Diligence Desktop Review, Proposed Multi-Family Residential Development, 2320 North Parmelee Avenue, Compton, California, prepared by Albus & Associates, Inc., dated August 29, 2023.

Plans

Conceptual Architectural Site Plan, Parmelee, Compton California, Sheet A0.1.1, prepared by Architeyk, dated April 16, 2024.

0 40 80 160

APPROX SCALE : 1" = 80'

EXPLANATION
(Locations Approximate)

- Exploratory Boring (Albus)
- Exploratory Boring (Geocon West 2018)

Base Provided By Architeyk

ALBUS & ASSOCIATES

GEOTECHNICAL MAP

Job No.: 3188.01	Date: 06/13/2024	Plate: 1

APPENDIX A

EXPLORATION LOGS

Field Identification Sheet

Light gray
Gray
Dark gray
Gray Brown
Light brown
Brown
Dark Brown
Olive brown
Olive
Yellow
Yellowish brown
Yellowish red
Red
Reddish Brown
Tan

Description Order:
Description, Color, Moisture, Density, Grain Size, Additional Description

Description	%	Example
	0-5	Sand
trace	5-15	Sand trace Silt
with	15-30	Sand with Silt
	30+	Silty Sand

More Examples
Sand with Silt trace Clay
Sand trace Silt and Clay
Sand with Silt and Clay
Gravelly Sand with Silt trace Clay
Silty Clay with Sand trace Gravel

Moisture

Dry	absence of water
Damp	below optimum
Moist	near optimum
Very Moist	above optimum
Wet	free water visible

Density (Navfac)

Coarse grained soils	SPT	CA
Very Loose	0-3	0-5
Loose	3-8	5-13
Medium Dense	8-14	13-22
Dense	14-25	22-40
Very Dense	25>	40>

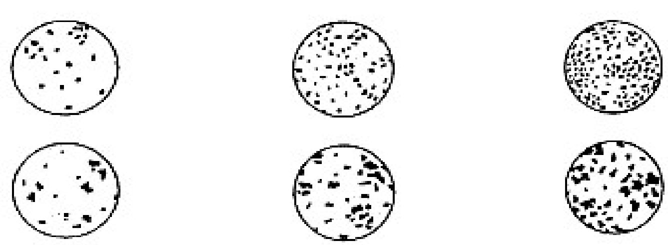
Fine grained soils		
Very Soft	2<	0-3
Soft	2-4	3-6
Medium Stiff	4-8	6-13
Stiff	8-15	13-24
Very Stiff	15-30	24-48
Hard	30>	48>

Grain Size

Description		Sieve Size	Approx. Size
Boulders		>12"	Larger than basketball
Cobbles		3-12"	Fist to basketball
Gravel	coarse	3/4-3"	Thumb to Fist
	fine	#4-3/4"	Pea to Thumb
Sand	coarse	#10-4	Rock Salt to Pea
	medium	#40-10	Sugar to Rock Salt
	fine	#200-40	Flour to Sugar
Fines		Pass #200	Smaller than Flour

Additional Description (ie. roots, pinhole pores, debris, etc.)

Trace 5% Moderate 15% Abundant 30%



EXPLORATION LOG

Project:		Location:
Address:		Elevation:
Job Number:	Client:	Date:
Drill Method:	Driving Weight:	Logged By:

Depth (feet)	Lith- ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		EXPLANATION							
		Solid lines separate geologic units and/or material types.							
5		Dashed lines indicate unknown depth of geologic unit change or material type change.							
		Solid black rectangle in Core column represents California Split Spoon sampler (2.5in ID, 3in OD).							
		Double triangle in core column represents SPT sampler.							
10		**Vertical Lines** in core column represents Shelby sampler.							
		Solid black rectangle in Bulk column respresents large bag sample.							
15		**Other Laboratory Tests:** Max = Maximum Dry Density/Optimum Moisture Content EI = Expansion Index SO4 = Soluble Sulfate Content DSR = Direct Shear, Remolded DS = Direct Shear, Undisturbed SA = Sieve Analysis (1" through #200 sieve) Hydro = Particle Size Analysis (SA with Hydrometer) 200 = Percent Passing #200 Sieve Consol = Consolidation SE = Sand Equivalent Rval = R-Value ATT = Atterberg Limits							
20									

Albus & Associates, Inc.

Plate A-1

ALBUS & ASSOCIATES

EXPLORATION LOG B-1

JOB NO.	CLIENT/PROJECT	DAY	DATE
3188.01	G3 Urban	Thursday	2024-05-02

LOCATION	LATITUDE	LONGITUDE	ELEVATION
2320 North Parmelee Avenue, Compton	33.91452	-118.24998	84.5

LOGGED BY	DRILLER	DRILL METHOD	DRIVING WEIGHT
ddalbus	2R Drilling	Hollow-Stem Auger	140 lbs / 30 in

DEPTH	DESCRIPTION	BLOW COUNT	MC (%)	DD (pcf)	LAB
0	Asphalt 5 inches. No Base				
1–3	**Artificial Fill (Af)** Silty Sand trace Clay (SM): black, moist, stiff, fine grained, trace roots, some carbonate development	15	15.6	106.1	consol
4–5	**Alluvium (Qal)** Silty Sand trace Clay (SM): grayish brown, moist, stiff, fine grained	27	13.5	120.3	consol
6	Clayey Sand (SC): light orangish brown and gray brown, moist, medium dense, fine to medium grained @ 6 ft, slightly sandier	23	14.3	115.9	
10	@ 10 ft, slightly sandier	39	17	114.9	
15	Silty Sand with Clay (SM-SC): light gray, moist, medium dense, fine grained	17	20.6		
20		15	29.1		att
25		18	26.3		

EXPLORATION LOG B-1

JOB NO.	CLIENT/PROJECT	DAY	DATE
3188.01	G3 Urban	Thursday	2024-05-02

LOCATION	LATITUDE	LONGITUDE	ELEVATION
2320 North Parmelee Avenue, Compton	33.91452	-118.24998	84.5

LOGGED BY	DRILLER	DRILL METHOD	DRIVING WEIGHT
ddalbus	2R Drilling	Hollow-Stem Auger	140 lbs / 30 in

DEPTH	LITHO	DESCRIPTION	H2O	COR	BAG	BLOW COUNT	MC (%)	DD (pcf)	LAB
31		Silty Clay / Clayey Silt (CL/ML): grayish brown, moist, very stiff				17	31		
32									
33									
34									
35		@ 35 ft, hard, less clay				19	24.8		att
36		Silty Sand trace Clay (SM): gray, very moist, dense, fine grained, free moisture visible on sampler							
37									
38									
39									
40		Silty Clay / Clayey Silt (CL/ML): gray, moist, very stiff				14	31.3		att
41									
42									
43		@ 43 ft, groundwater							
44									
45		Sand trace Silt (SP): gray, wet, very dense, fine to medium grained				47			
46									
47									
48									
49									
50						36			
51									
52		Total Depth 51.5 feet Groundwater at 43 feet							
53									
54									
55									
56									
57									
58									
59									

EXPLORATION LOG B-2

JOB NO.	CLIENT/PROJECT	DAY	DATE
3188.01	G3 Urban	Thursday	2024-05-02

LOCATION	LATITUDE	LONGITUDE	ELEVATION
2320 North Parmelee Avenue, Compton	33.91384	-118.25032	84.8

LOGGED BY	DRILLER	DRILL METHOD	DRIVING WEIGHT
ddalbus	2R Drilling	Hollow-Stem Auger	140 lbs / 30 in

DEPTH	DESCRIPTION	BLOW COUNT	MC (%)	DD (pcf)	LAB
0	**Alluvium (Qal)** Clayey Sand / Sandy Clay (SC/CL): reddish brown, moist, medium dense / very stiff, fine grained				ei
2	@ 2 ft, becomes sandier	25	11.8	118.5	consol
4		28	11.8	119.6	
6	Silty Clay (CL): grayish brown, moist, very stiff	35	21.3	101.7	
10	Silty Sand (SM): grayish brown, moist, dense, fine grained	47	12.3	110.9	
11.5	Total Depth 11.5 feet No Groundwater				

Depth scale: 1–24 ft. Columns H2O, COR, BAG.

EXPLORATION LOG B-3

JOB NO.	CLIENT/PROJECT	DAY	DATE
3188.01	G3 Urban	Thursday	2024-05-02

LOCATION	LATITUDE	LONGITUDE	ELEVATION
2320 North Parmelee Avenue, Compton	33.91389	-118.24948	83

LOGGED BY	DRILLER	DRILL METHOD	DRIVING WEIGHT
ddalbus	2R Drilling	Hollow-Stem Auger	140 lbs / 30 in

DEPTH	DESCRIPTION	BLOW COUNT	MC (%)	DD (pcf)	LAB
0–5	**Artificial Fill (Af)** Silty Sand trace Clay (SM): dark brown, moist, very stiff, trace pinhole pores				max ei so4 ph resist ch
2	@ 2 ft, black, moist, very stiff, trace pinhole pores, some carbonate development	32	15.6	97.2	
4	@ 4 ft, grayish brown, dry to damp, carbonate development	27	6.6	110.3	consol
5–8	**Alluvium (Qal)** Silty Sand trace Clay (SM-SC): grayish brown, moist, medium dense, fine to medium grained	20	13.7	111.3	
8–11.5	Silty Sand (SM): orange brown and gray brown, moist, medium dense, fine grained	28	13.4	107.2	
11.5	Total Depth 11.5 feet No Groundwater				

PROJECT NO. A9730-06-01

BORING 1

ELEV. (MSL.) -- DATE COMPLETED 2/8/18

EQUIPMENT HOLLOW STEM AUGER BY: JMH

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**AC: 3"**			
					ARTIFICIAL FILL Sandy Silt, firm, slightly moist, dark brown, fine-grained.			
2	B1@2.5'				Sandy Silt, stiff, slightly moist, dark brown, fine-grained.	22	121.9	12.1
4	B1@5'			CL	**ALLUVIUM** Sandy Clay, firm, slightly moist, brown, fine-grained.	10	--	--
8	B1@7.5'			ML	Silt, stiff, slightly moist, brown, oxidation mottling.	27	110.8	22.2
10	B1@10'			SC	Clayey Sand, medium dense, slightly moist, brown, fine-grained.	15	--	--
12	B1@12.5'				- dense, olive brown	60	104.9	9.8
14	B1@15'			CL	Sandy Clay, firm, slightly moist, olive brown, fine-grained.	14	--	--
18	B1@17.5'				- oxidation mottling	15	98.2	30.0
20	B1@20'				- soft, brown, fine-grained, no oxidation mottling	8	--	--
22	B1@22.5'			ML	Silt, hard, slightly moist, olive brown.	46	109.6	18.2
24	B1@25'			CL	Sandy Clay, stiff, slightly moist, olive brown, fine-grained.	16	--	--
28	B1@27.5'				- olive brown to brown	29	102.7	21.7

A9730-06-01 BORING LOGS.GPJ

Figure A1, Log of Boring 1, Page 1 of 2

SAMPLE SYMBOLS
... SAMPLING UNSUCCESSFUL
... STANDARD PENETRATION TEST
... DRIVE SAMPLE (UNDISTURBED)
... DISTURBED OR BAG SAMPLE
... CHUNK SAMPLE
... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

BORING 1

ELEV. (MSL.) **--** DATE COMPLETED **2/8/18**

EQUIPMENT **HOLLOW STEM AUGER** BY: **JMH**

DEPTH IN FEET	SAMPLE NO.	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
30	B1@30'		ML	Sandy Silt, stiff, slightly moist, olive brown, fine-grained.	23	--	--
32				- oxidation mottling			
	B1@32.5'				26	111.5	21.4
34							
	B1@35'		SC	Clayey Sand, medium dense, slightly moist, olive brown, fine-grained, oxdation mottling.	20	--	--
36			SM	Silty Sand, very dense, slightly moist, olive brown, fine- to medium-grained, oxidation mottling.			
38	B1@37.5'				50 (5")	117.7	8.5
40	B1@40'			- dense, saturated, fine-grained	37	--	--
42							
	B1@42.5'	▼	CL	Sandy Clay, stiff, slightly moist, olive brown, fine-grained.	34	111.7	22.5
44	B1@45'			- firm, wet, brown	9	--	--
46							
48	B1@47.5'			- stiff, wet, light gray	29	105.3	26.3
50	B1@50'		SP	Sand, poorly graded, dense, saturated, light gray, fine- to medium-grained.	32	--	--

Total depth of boring: 50.5 feet
Fill to 3 feet.
Groundwater encountered at 43.35 feet.
Backfilled with soil cuttings and tamped.

*Penetration resistance for 140-pound hammer falling 30 inches by auto-hammer.

A9730-06-01 BORING LOGS.GPJ

Figure A1,
Log of Boring 1, Page 2 of 2

SAMPLE SYMBOLS
... SAMPLING UNSUCCESSFUL
... STANDARD PENETRATION TEST
... DRIVE SAMPLE (UNDISTURBED)
... DISTURBED OR BAG SAMPLE
... CHUNK SAMPLE
... WATER TABLE OR SEEPAGE

BORING 2

ELEV. (MSL.) -- DATE COMPLETED 2/9/18

EQUIPMENT HOLLOW STEM AUGER BY: JMH

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**GRASS**			
					ARTIFICIAL FILL Sandy Silt, soft, wet, dark brown, fine-grained.			
2					**ALLUVIUM**			
	B2@2.5'			ML	Sandy Silt, firm, slightly moist, dark gray, fine-grained.	12	88.7	18.7
4					- stiff			
	B2@5'					23	96.5	19.2
6					- oxidation mottling			
8	B2@7.5'					23	81.9	17.1
10					- no oxidation mottling			
	B2@10'					27	104.2	15.5
12								
14				SM	Silty Sand, medium dense, slightly moist, olive brown with oxidation mottles, fine-grained.			
	B2@15'					37	100.6	25.4
16								
18								
20	B2@20'			ML	Silt, firm, slightly moist, olive brown.	16	96.7	28.1
22								
24				ML	Sandy Silt, stiff, slightly moist, olive brown, fine-grained.			
	B2@25'					37	115.1	16.8
26								
28								

A9730-06-01 BORING LOGS.GPJ

Figure A2,
Log of Boring 2, Page 1 of 2

SAMPLE SYMBOLS	... SAMPLING UNSUCCESSFUL	... STANDARD PENETRATION TEST	... DRIVE SAMPLE (UNDISTURBED)
	... DISTURBED OR BAG SAMPLE	... CHUNK SAMPLE	... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. A9730-06-01

BORING 2

ELEV. (MSL.) -- DATE COMPLETED 2/9/18

EQUIPMENT **HOLLOW STEM AUGER** BY: **JMH**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
30	B2@30'			ML	- brown, trace calcium deposits	50	119.1	15.3
32								
34	B2@35'			ML	Silt, stiff, slightly moist, olive brown with oxidation mottling.	31	106.9	22.5

Total depth of boring: 35.5 feet
Fill to 1 foot.
No groundwater encountered.
Backfilled with soil cuttings and tamped.

*Penetration resistance for 140-pound hammer falling 30 inches by auto-hammer.

A9730-06-01 BORING LOGS.GPJ

Figure A2,
Log of Boring 2, Page 2 of 2

SAMPLE SYMBOLS
... SAMPLING UNSUCCESSFUL
... STANDARD PENETRATION TEST
... DRIVE SAMPLE (UNDISTURBED)
... DISTURBED OR BAG SAMPLE
... CHUNK SAMPLE
... WATER TABLE OR SEEPAGE

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PROJECT NO. A9730-06-01

BORING 3

ELEV. (MSL.) -- DATE COMPLETED 2/9/18

EQUIPMENT HOLLOW STEM AUGER BY: JMH

DEPTH IN FEET	SAMPLE NO.	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0			**ASPHALT: 3" BASE: 8"**			
			ARTIFICIAL FILL			
2		SM	Sandy Silt, firm, slightly moist, dark brown, fine-grained.			
	B3@2.5'		**ALLUVIUM** Silty Sand, loose, moist, reddish brown, fine- to medium-grained.	10	100.7	14.8
4		ML	Sandy Silt, soft, moist, dark brown, fine-grained.			
	B3@5'		- firm, slightly moist, brown, fine- to medium-grained, increase in sand content	19	117.0	13.6
8	B3@7.5'		- stiff, olive brown	23	114.8	16.8
10	B3@10'	SM	Silty Sand, medium dense, slightly moist, olive brown, fine- to medium-grained.	25	123.5	12.5
14	B3@15'	SP	Sand, poorly graded, medium dense, slightly moist, light brown, fine- to medium-grained.	32	107.9	7.0
20	B3@20'	SM	Silty Sand, medium dense, slightly moist, olive brown, fine-grained.	27	85.0	15.3
24	B3@25'	ML	Silt, stiff, slightly moist, olive brown with oxidation mottling.	25	97.3	28.7
28			- dark brown, no mottling			

Figure A3,
Log of Boring 3, Page 1 of 2

A9730-06-01 BORING LOGS.GPJ

SAMPLE SYMBOLS
- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

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BORING 3

ELEV. (MSL.) -- DATE COMPLETED 2/9/18

EQUIPMENT HOLLOW STEM AUGER BY: JMH

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
30	B3@30'					26	101.4	26.8
32				ML				
34								
				SM	Silty Sand, medium dense, slightly moist, light gray, fine-grained.			
	B3@35'					45	101.9	22.8

Total depth of boring: 35.5 feet
Fill to 1.5 feet.
No groundwater encountered.
Backfilled with soil cuttings and tamped.

*Penetration resistance for 140-pound hammer falling 30 inches by auto-hammer.

Figure A3,
Log of Boring 3, Page 2 of 2

A9730-06-01 BORING LOGS.GPJ

SAMPLE SYMBOLS			
	... SAMPLING UNSUCCESSFUL	... STANDARD PENETRATION TEST	... DRIVE SAMPLE (UNDISTURBED)
	... DISTURBED OR BAG SAMPLE	... CHUNK SAMPLE	... WATER TABLE OR SEEPAGE

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PROJECT NO. A9730-06-01

BORING 4

ELEV. (MSL.) -- DATE COMPLETED 2/8/18

EQUIPMENT HOLLOW STEM AUGER BY: JMH

DEPTH IN FEET	SAMPLE NO.	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0			**GRASS**			
			ARTIFICIAL FILL Sandy Silt, firm, slightly moist, dark brown, fine-grained.			
2			**ALLUVIUM**			
	B4@2.5'	SM	Silty Sand, dense, slightly moist, reddish brown, fine- to medium-grained.	60	136.1	8.3
4						
	B4@5'		- medium dense	35	121.8	10.6
6						
8	B4@7.5'	ML	Sandy Silt, stiff, slightly moist, brown, fine-grained.	35	114.8	18.0
		SM	Silty Sand, medium dense, slightly moist, olive brown, fine-grained.			
10	B4@10'			50	117.5	14.2
12						
14						
	B4@15'		- oxidation mottling	31	112.0	9.9
16						
18						
20	B4@20'	ML	Sandy Silt, stiff, slightly moist, olive brown, fine-grained.	24	100.5	26.3
22						
24		ML	Silt, firm, slightly moist, light gray.			
	B4@25'			21	101.3	26.7
26						
28						

A9730-06-01 BORING LOGS.GPJ

Figure A4,
Log of Boring 4, Page 1 of 2

SAMPLE SYMBOLS		
☐ ... SAMPLING UNSUCCESSFUL	◧ ... STANDARD PENETRATION TEST	■ ... DRIVE SAMPLE (UNDISTURBED)
⊠ ... DISTURBED OR BAG SAMPLE	◪ ... CHUNK SAMPLE	▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

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BORING 4

ELEV. (MSL.) -- DATE COMPLETED 2/8/18

EQUIPMENT HOLLOW STEM AUGER BY: JMH

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
30	B4@30'			ML	Sandy Silt, stiff, slightly moist, olive brown with gray mottling.	38	111.6	18.3
32								
34								
	B4@35'				- hard, light gray, trace calcium deposits	59	115.7	17.3

Total depth of boring: 35.5 feet
Fill to 1.5 feet.
No groundwater encountered.
Backfilled with soil cuttings and tamped.

*Penetration resistance for 140-pound hammer falling 30 inches by auto-hammer.

Figure A4,
Log of Boring 4, Page 2 of 2

A9730-06-01 BORING LOGS.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL	... STANDARD PENETRATION TEST	... DRIVE SAMPLE (UNDISTURBED)
... DISTURBED OR BAG SAMPLE	... CHUNK SAMPLE	... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

BORING 5

ELEV. (MSL.) -- DATE COMPLETED 2/9/18

EQUIPMENT **HOLLOW STEM AUGER** BY: **JMH**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0–2.5					**GRASS** **ARTIFICIAL FILL** Silt, soft, wet, dark brown.			
2.5–4.5	B5@2.5'			ML	**ALLUVIUM** Silt, firm, moist, blackish brown.	21	102.4	19.0
4.5–6.5	B5@5'			ML	Sandy Silt, stiff, slightly moist, brown, fine-grained.	30	126.5	10.2
6.5–9.5	B5@7.5'			ML	Silt with Sand, hard, slightly moist, light brown, fine- to medium-grained.	46	122.0	15.9
9.5–10.5	B5@10'			ML	Silt, hard, slightly moist, olive brown with oxidation mottling.	76	114.0	16.9
10.5–19				SM	Silty Sand, medium dense, slightly moist, olive brown, fine- to medium-grained.			
	B5@15'				- medium dense, fine-grained	48	110.1	11.3
19–24	B5@20'			ML	Sandy Silt, firm, slightly moist, olive brown with oxidation mottling, fine-grained.	20	93.1	30.9
24–29	B5@25'			ML	Silt, stiff, slightly moist, olive brown with oxidation mottling.	28	90.2	33.4

A9730-06-01 BORING LOGS.GPJ

Figure A5,
Log of Boring 5, Page 1 of 2

SAMPLE SYMBOLS			
	☐ ... SAMPLING UNSUCCESSFUL	◧ ... STANDARD PENETRATION TEST	■ ... DRIVE SAMPLE (UNDISTURBED)
	⊠ ... DISTURBED OR BAG SAMPLE	◪ ... CHUNK SAMPLE	▼ ... WATER TABLE OR SEEPAGE

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DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	BORING 5 ELEV. (MSL.) -- DATE COMPLETED 2/9/18 EQUIPMENT HOLLOW STEM AUGER BY: JMH MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
30	B5@30'				- hard, trace calcium deposits	45	108.5	20.8
32				ML				
34				SM	Silty Sand, medium dense, moist, olive brown with brown mottling, fine- to medium-grained.			
	B5@35'					32	102.4	22.1
					Total depth of boring: 35.5 feet Fill to 2.5 feet. No groundwater encountered. Backfilled with soil cuttings and tamped. *Penetration resistance for 140-pound hammer falling 30 inches by auto-hammer.			

Figure A5,
Log of Boring 5, Page 2 of 2

A9730-06-01 BORING LOGS.GPJ

SAMPLE SYMBOLS			
	... SAMPLING UNSUCCESSFUL	... STANDARD PENETRATION TEST	... DRIVE SAMPLE (UNDISTURBED)
	... DISTURBED OR BAG SAMPLE	... CHUNK SAMPLE	... WATER TABLE OR SEEPAGE

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GEOCON

BORING 6

ELEV. (MSL.) -- DATE COMPLETED 2/8/18

EQUIPMENT HOLLOW STEM AUGER BY: JMH

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ASPHALT: 3.5" BASE: 7"**			
					ARTIFICIAL FILL Silty Sand, loose, moist, brown, fine- to medium-grained.			
2	B6@2.5'			SP-SM	**ALLUVIUM** Sand with Silt, poorly graded, loose, slightly moist, dark brown, fine-grained.	12	112.4	14.3
4	B6@5'			CL	Sandy Clay, firm, slightly moist, dark brown, fine-grained.	9	--	--
6								
8	B6@7.5'			SM	Silty Sand, medium dense, slightly moist, brown, fine- to medium-grained.	34	123.3	10.9
10	B6@10'			CL	Sandy Clay, stiff, slightly moist, olive brown, fine-grained.	17	--	--
12	B6@12.5'			SM	Silty Sand, medium dense, slightly moist, brown, fine- to medium-grained.	30	115.1	14.6
14	B6@15'			CL	Clay with Sand, firm, moist, brown, fine-grained.	14	--	--
16								
18	B6@17.5'				- stiff, olive brown	30	105.4	22.4
20	B6@20'				- firm, slightly moist	12	--	--
22	B6@22.5'					38	108.7	18.6
24	B6@25'				- stiff	18	--	--
26								
28	B6@27.5'			SM	Silty Sand, medium dense, slightly moist, olive brown with oxidation mottling, fine-grained.	31	101.1	13.1

A9730-06-01 BORING LOGS.GPJ

Figure A6,
Log of Boring 6, Page 1 of 2

SAMPLE SYMBOLS			
	... SAMPLING UNSUCCESSFUL	... STANDARD PENETRATION TEST	... DRIVE SAMPLE (UNDISTURBED)
	... DISTURBED OR BAG SAMPLE	... CHUNK SAMPLE	... WATER TABLE OR SEEPAGE

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GEOCON

BORING 6

ELEV. (MSL.) -- DATE COMPLETED 2/8/18

EQUIPMENT **HOLLOW STEM AUGER** BY: **JMH**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
30	B6@30'			CH	Sandy Clay, firm, slightly moist, grayish brown, fine-grained.	10	--	--
32	B6@32.5'					20	93.5	33.5
34	B6@35'				- olive brown	9	--	--
36								
38	B6@37.5'				- stiff, grayish brown with oxidation mottling		94.5	31.3
40	B6@40'			SM	Silty Sand, medium dense, slightly moist, light gray, fine-grained.	29	--	--
42	B6@42.5'		▼		- dense, dark gray	54	115.3	19.7
44	B6@45'			SP-SM	Sand with Silt, poorly graded, medium dense, slightly moist, brown, fine-grained.	18	--	--
46								
48	B6@47.5'			SP	Sand, poorly graded, very dense, saturated, brown, fine- to medium-grained.	50 (5")	99.6	16.3
50	B6@50'				- medium dense	44	--	--

Total depth of boring: 50.5 feet
Fill to 1.5 feet.
Groundwater encountered at 45.75 feet.
Backfilled with soil cuttings and tamped.
Asphalt patched.

*Penetration resistance for 140-pound hammer falling 30 inches by auto-hammer.

A9730-06-01 BORING LOGS.GPJ

Figure A6,
Log of Boring 6, Page 2 of 2

SAMPLE SYMBOLS
- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

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APPENDIX B

LABORATORY TEST PROGRAM

LABORATORY TESTING PROGRAM

In-Situ Moisture Content and Dry Density

Moisture content and dry density of in-place soil materials were determined in representative strata. Test data are presented on the Exploration Logs provided in Appendix A.

Laboratory Maximum Dry Density

Maximum dry density and optimum moisture content of onsite soils were determined for selected samples in general accordance with Method A of ASTM D 1557. Pertinent test values are given on Table B-1.

Expansion Potential

An Expansion Index test was performed on a selected sample in accordance with ASTM D 4829. The test result and expansion potential are presented on Table B-1.

Soluble Sulfate Content

Chemical analysis was performed on selected samples to determine soluble sulfate content. The tests were performed in accordance with California Test Method No. 417. The test results are included on Table B-1.

Atterberg Limits

Atterberg Limits (Liquid Limit, Plastic Limit, and Plasticity Index) were performed in accordance with Test Method ASTM D4318. Pertinent test values are presented within Table B-1.

Consolidation

Consolidation tests were performed by Albus & Associates in general conformance with Test Method ASTM D 2435. Axial loads were applied in several increments to a laterally restrained 1-inch-thick sample. Loads were applied in geometric progression by doubling the previous load, and the resulting deformations were recorded at selected time intervals. The test samples were inundated at a selected surcharge loading in order to evaluate the effects of a sudden increase in moisture content. Results of these tests are graphically presented on Plate B-1 through B-4.

Direct Shear

The Coulomb shear strength parameters, angle of internal friction and cohesion, were determined for a bulk sample obtained from one of our borings. The tests were performed in general conformance with Test Method ASTM D 3080. The sample was remolded to 90 percent of maximum dry density and at the optimum moisture content. Three specimens were prepared for each test, artificially saturated, and then sheared under varied loads at an appropriate constant rate of strain. Results are graphically presented on Plate B-5.

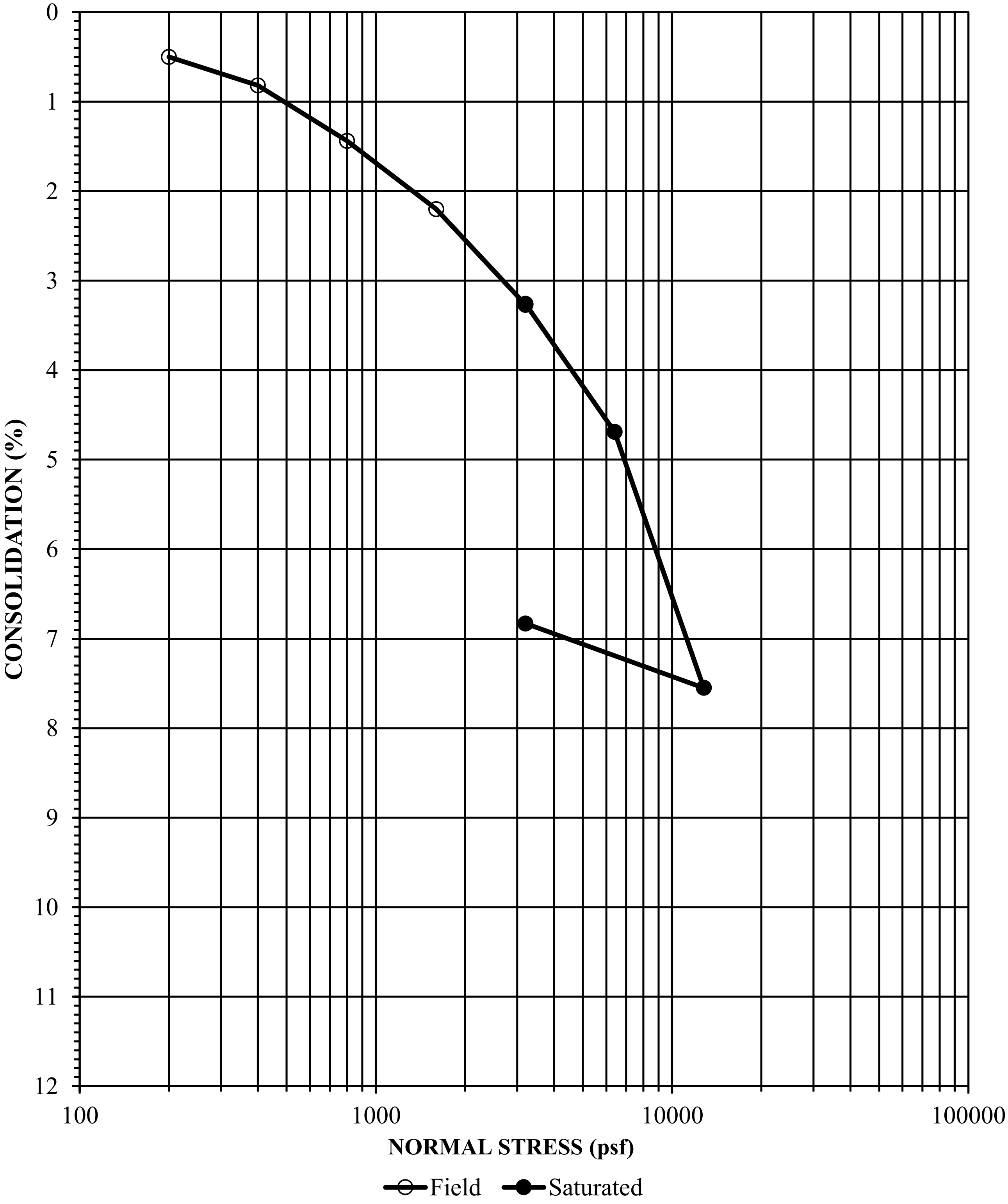
Corrosion

Select samples were tested for minimum resistivity, chloride, and pH in accordance with California Test Method 643. Results of these tests are provided in Table B-1.

TABLE B-1
SUMMARY OF LABORATORY TEST RESULTS

Boring No.	Sample Depth (ft.)	Soil Description	Test Results	
B-1	20	Silty Sand with Clay (SM-SC)	Liquid Limit: Plastic Index:	52 23
B-1	35	Silty Clay / Clayey Silt (CL/ML)	Liquid Limit: Plastic Index:	41 17
B-1	40	Silty Clay (CL)	Liquid Limit: Plastic Index:	49 19
B-2	0-5	Silty Sand trace Clay (SM)	Expansion Index: Expansion Potential:	31 Low
B-3	0-5	Silty Sand with Clay (SM-SC)	Maximum Dry Density (pcf): Optimum Moisture (%): Expansion Index: Expansion Potential: Soluble Sulfate Content (%): Sulfate Exposure: Resistivity (ohm-cm): Chloride (ppm): pH:	121 12.5 76 Medium 0.01 Negligible 1900 42.5 7.45

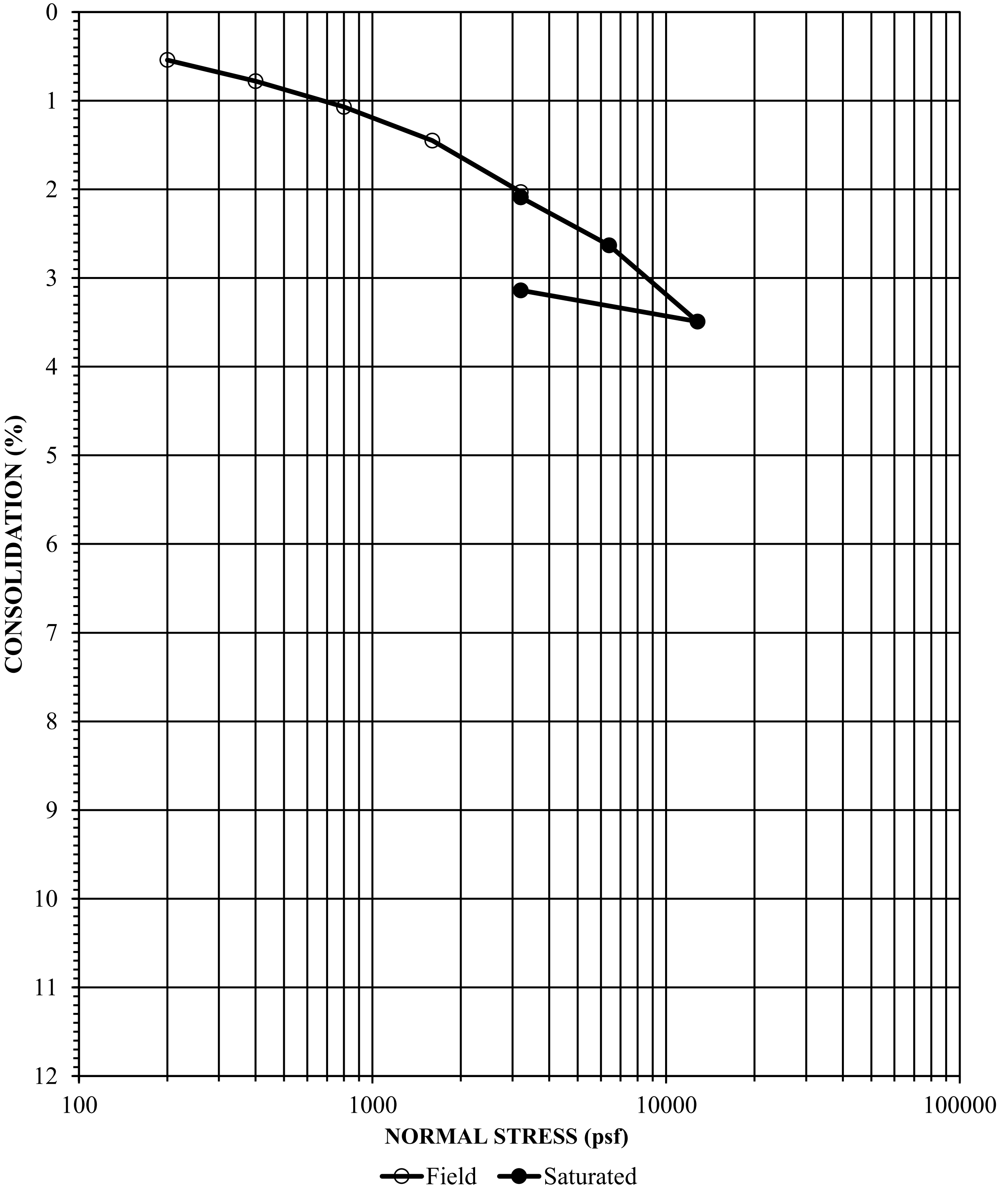
CONSOLIDATION



Job Number	Location	Depth	Description
3188.01	B-1	2	Silty Clay (CL)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
94.2	25.6	25

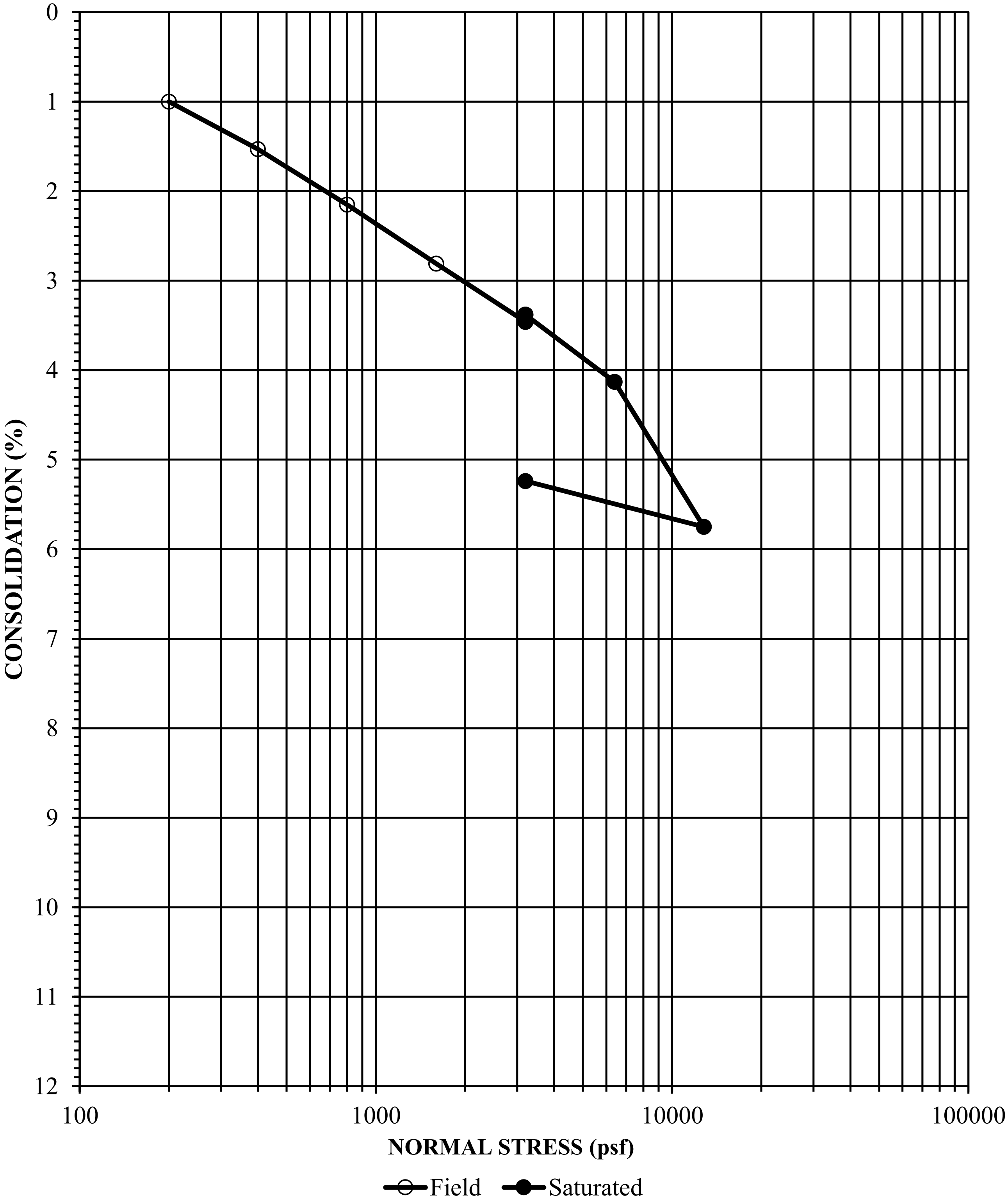
CONSOLIDATION



Job Number	Location	Depth	Description
3188.01	B-1	4	Clayey Sand (SC)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
121.5	13.3	13.3

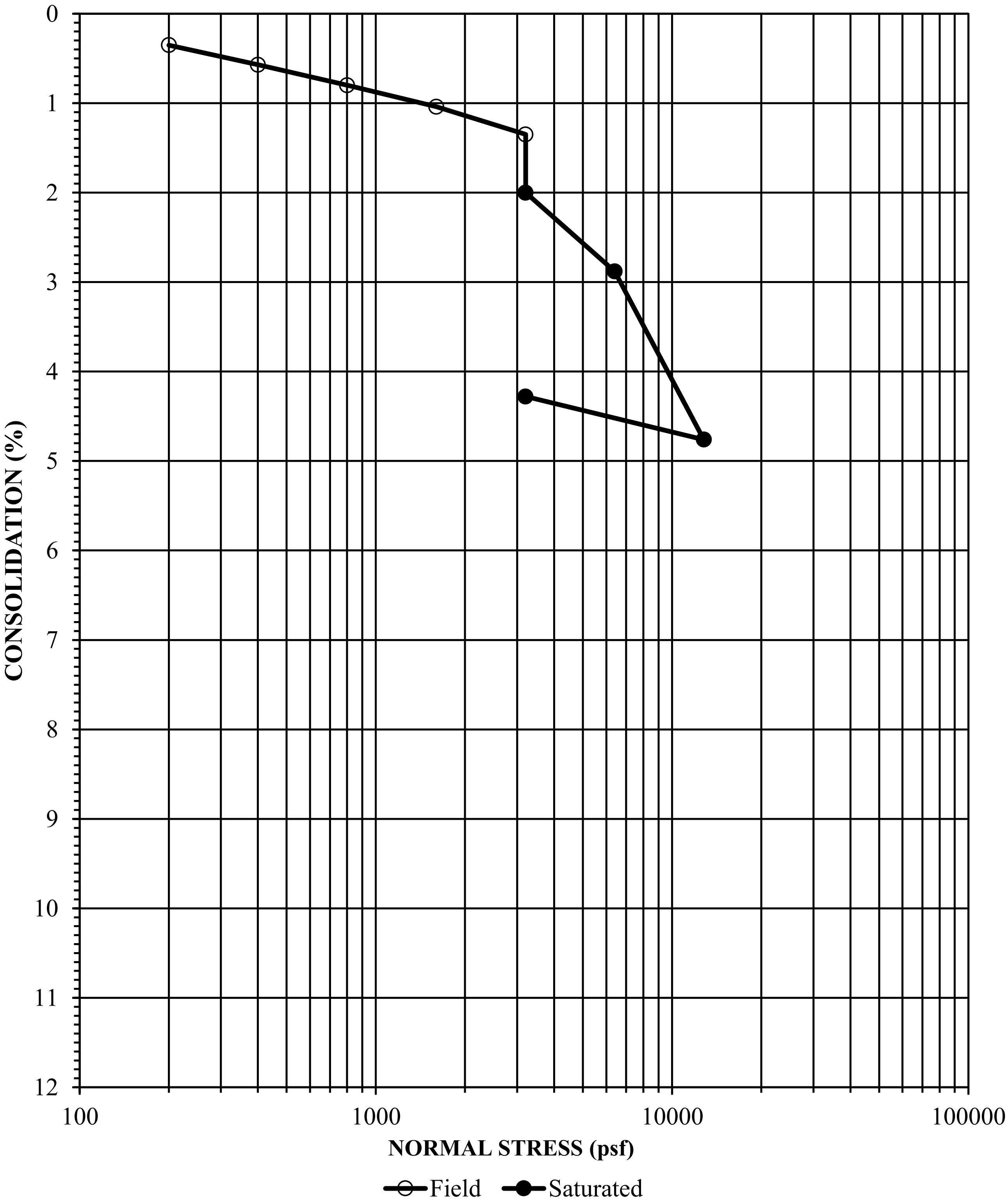
CONSOLIDATION



Job Number	Location	Depth	Description
3188.01	B-2	2	Clayey Sand / Sandy Clay (SC/CL)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
116.7	14.8	14.3

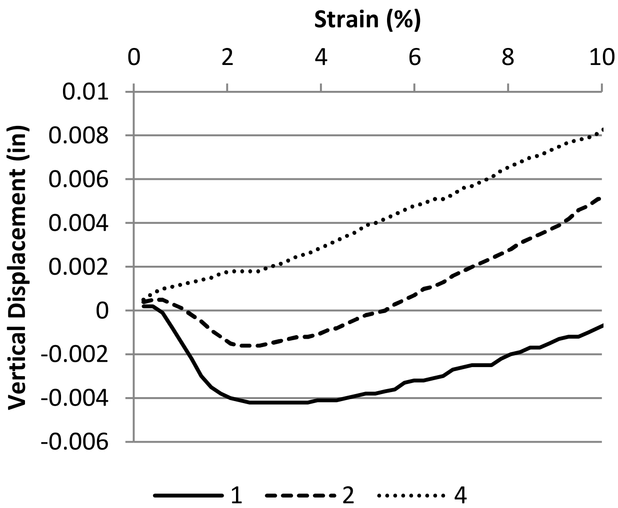
CONSOLIDATION

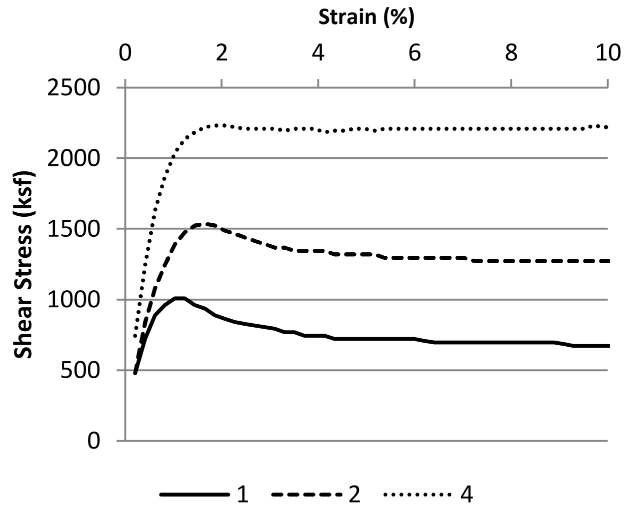


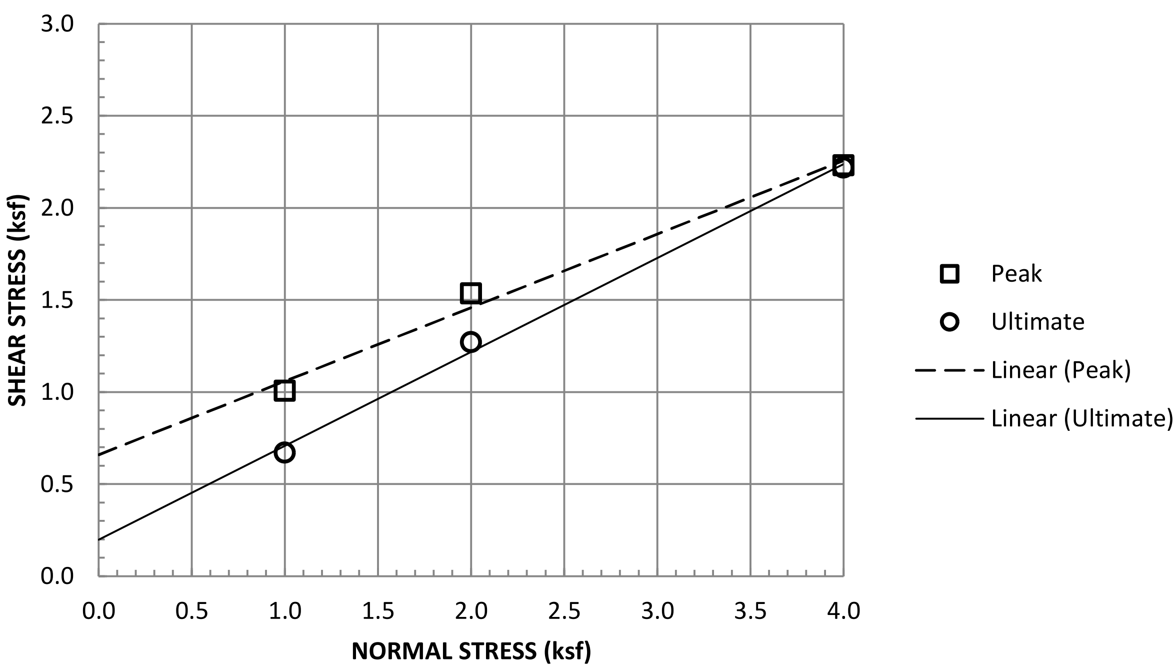
Job Number	Location	Depth	Description
3188.01	B-3	4	Silty Clay (CL)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
115.7	7.3	15.5

DIRECT SHEAR

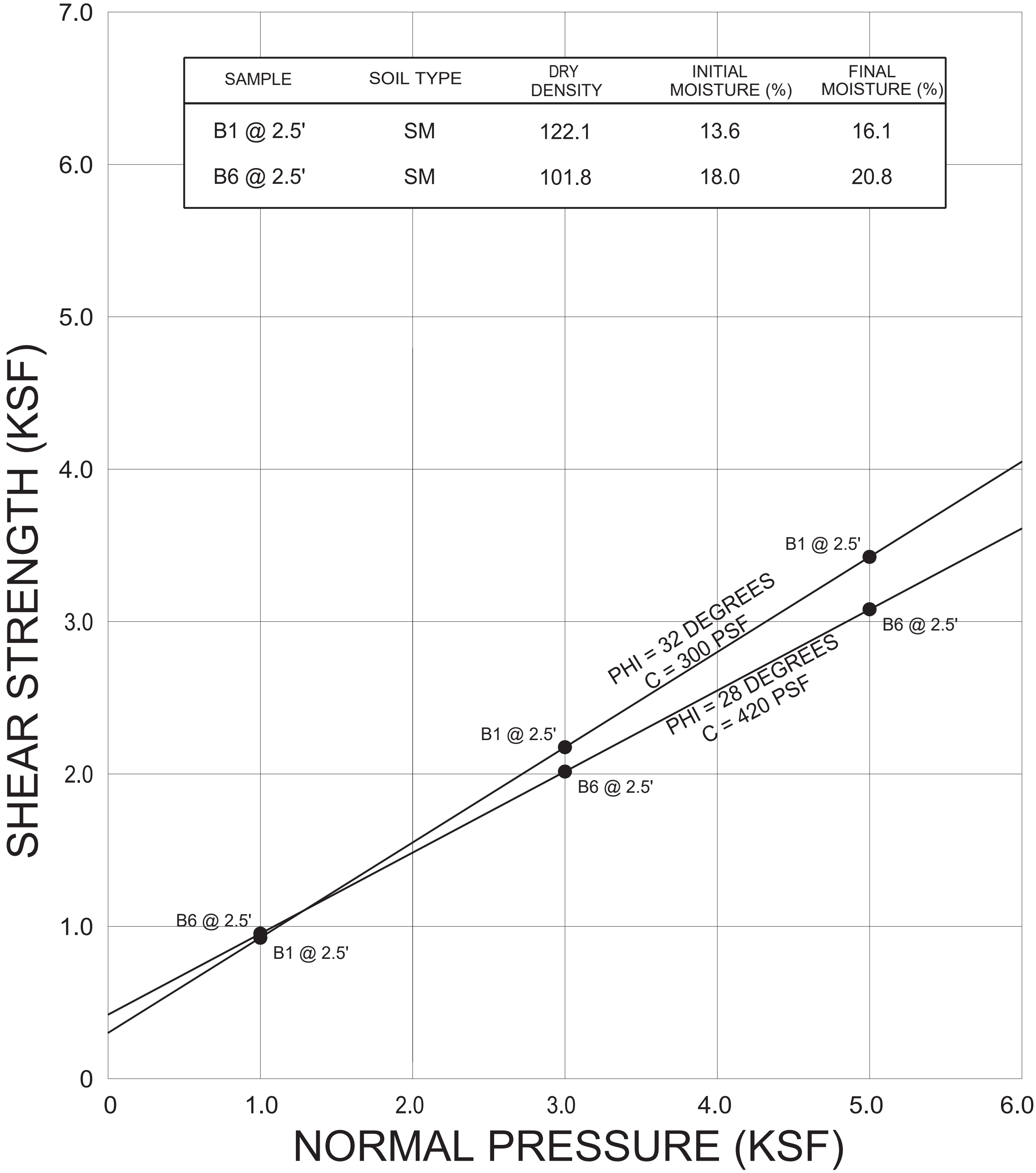






Sample Type:	Remolded, Saturated		
Normal Stress (ksf)	1	2	4
Peak Shear Stress (ksf)	1.008	1.536	2.232
Peak Displacement (in)	0.004	0.005	0.009
Ultimate Shear Stress (ksf)	0.672	1.272	2.22
Ultimate Displacement (in)	0.25	0.25	0.25
Initial Dry Density (pcf)	108.8	108.8	108.8
Initial Moisture Content (%)	12.5	12.5	12.5
Final Moisture Content (%)	18.3	17.8	18
Strain Rate (in/min)	0.005		

Job Number	Location	Depth	Description
3188.01	B-3	0-5	Silty Sand with Clay (SM)



SAMPLE	SOIL TYPE	DRY DENSITY	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B1 @ 2.5'	SM	122.1	13.6	16.1
B6 @ 2.5'	SM	101.8	18.0	20.8

● DIRECT SHEAR, SATURATED

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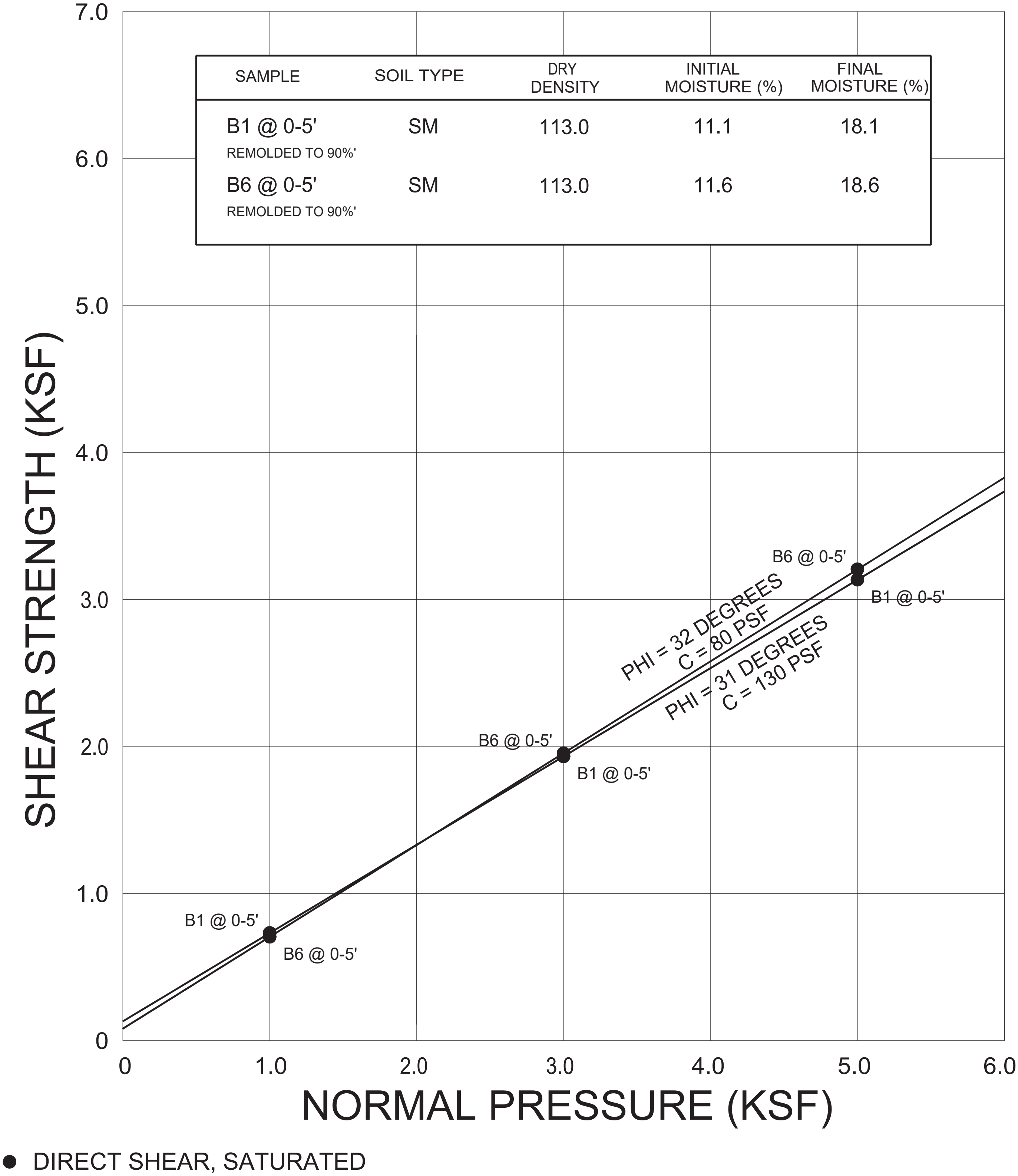
DIRECT SHEAR TEST RESULTS

PROPOSED TOWNHOMES
2320 NORTH PARMELEE AVENUE
COMPTON, CALIFORNIA

MARCH 2018 | PROJECT NO. A9730-06-01 | FIG. B1



SAMPLE	SOIL TYPE	DRY DENSITY	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B1 @ 0-5' REMOLDED TO 90%'	SM	113.0	11.1	18.1
B6 @ 0-5' REMOLDED TO 90%'	SM	113.0	11.6	18.6

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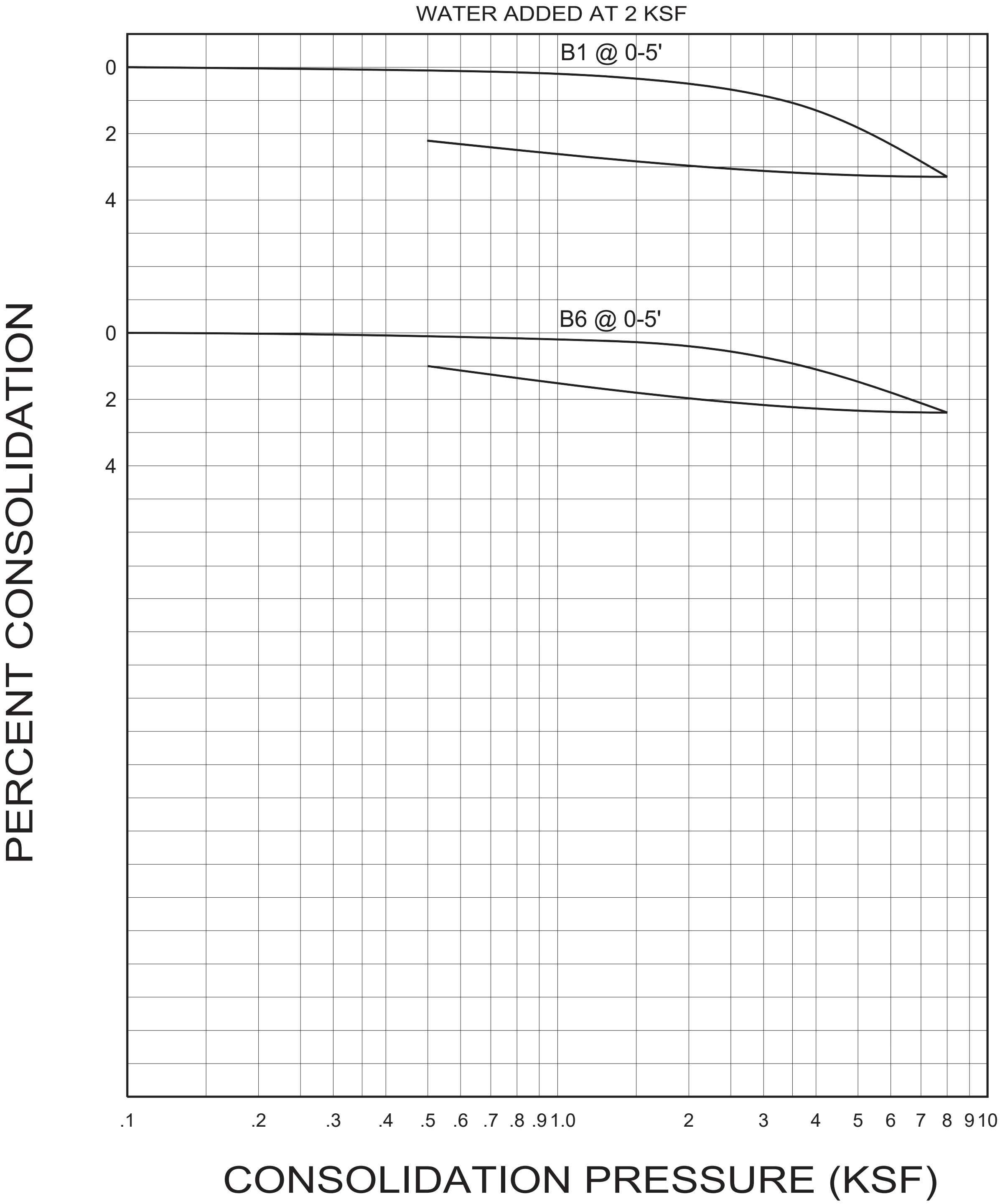
DIRECT SHEAR TEST RESULTS

PROPOSED TOWNHOMES
2320 NORTH PARMELEE AVENUE
COMPTON, CALIFORNIA

DRAFTED BY: TL	CHECKED BY: HHD	MARCH 2018	PROJECT NO. A9730-06-01	FIG. B2



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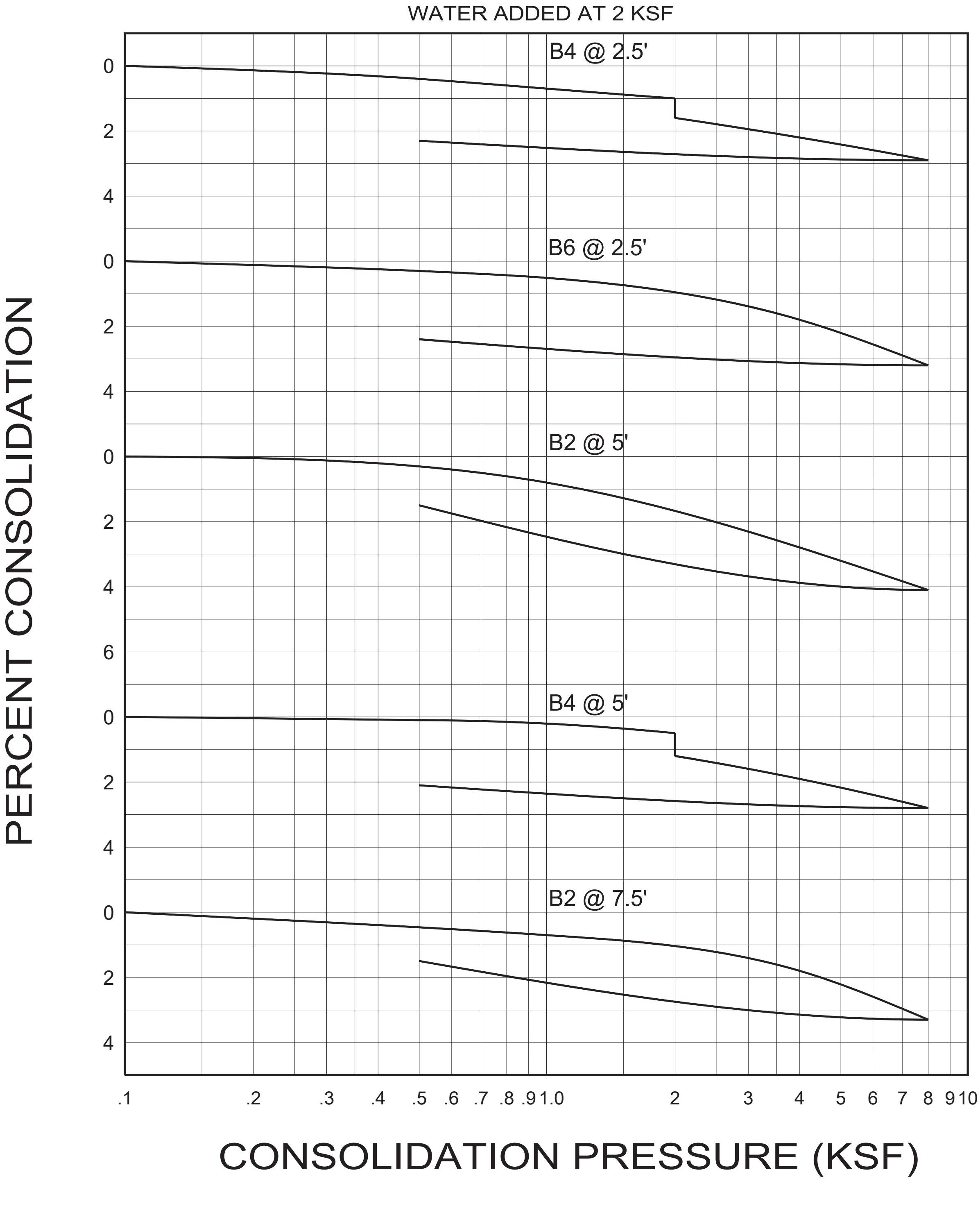
CONSOLIDATION TEST RESULTS

PROPOSED TOWNHOMES
2320 NORTH PARMELEE AVENUE
COMPTON, CALIFORNIA

MARCH 2018 | PROJECT NO. A9730-06-01 | FIG. B3



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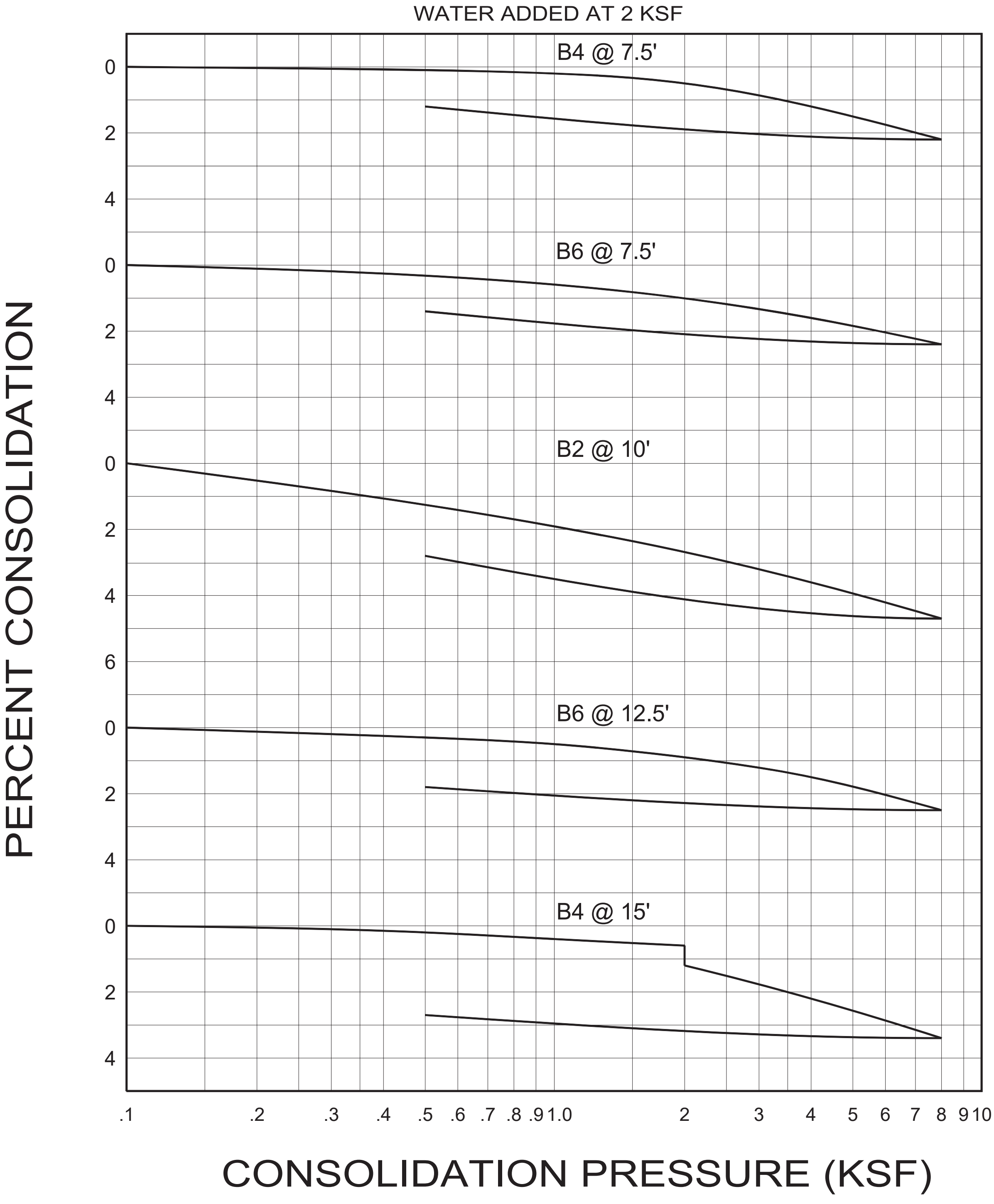
CONSOLIDATION TEST RESULTS

PROPOSED TOWNHOMES
2320 NORTH PARMELEE AVENUE
COMPTON, CALIFORNIA

MARCH 2018 | PROJECT NO. A9730-06-01 | FIG. B4



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CONSOLIDATION TEST RESULTS

PROPOSED TOWNHOMES
2320 NORTH PARMELEE AVENUE
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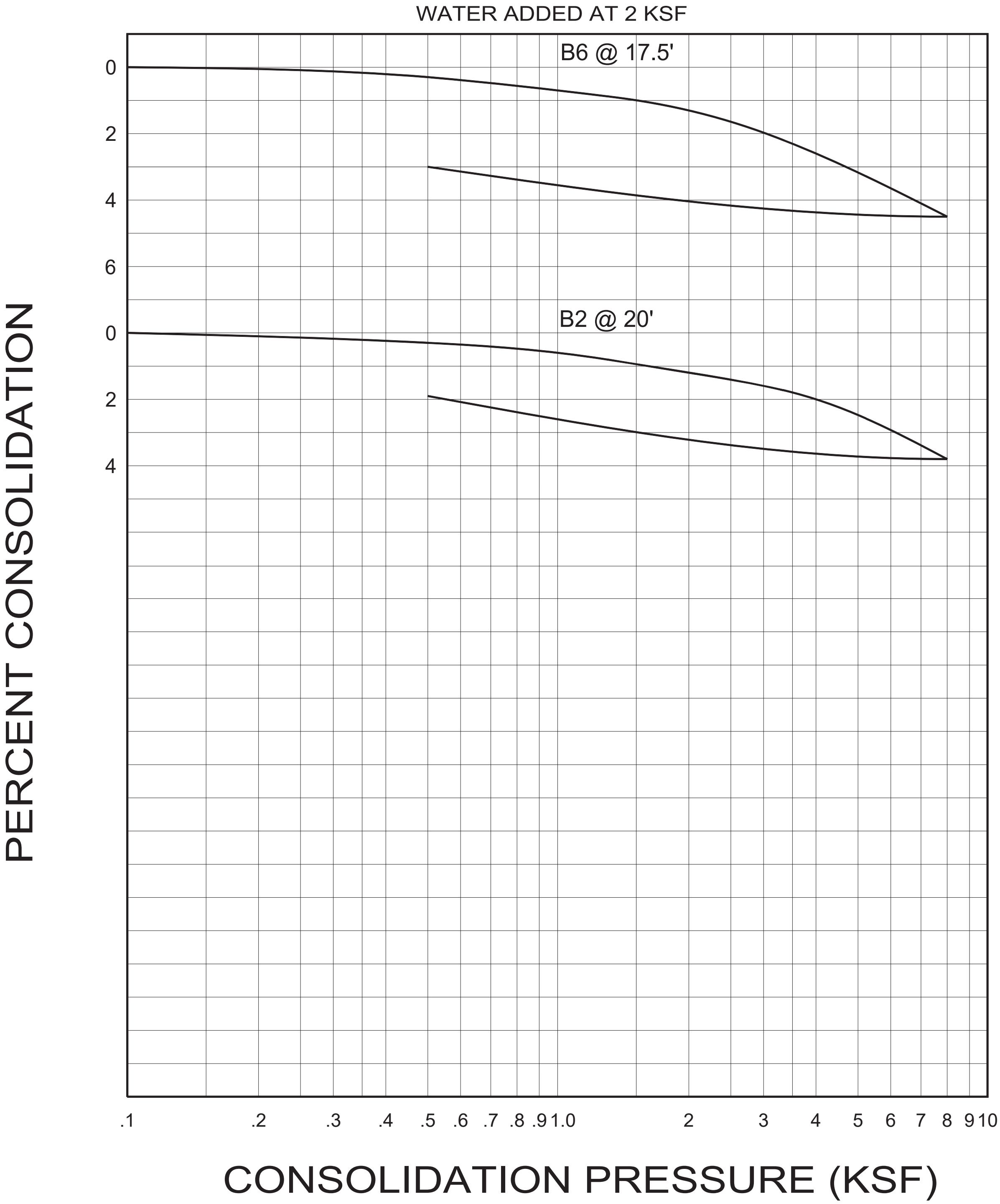
DRAFTED BY: TL	CHECKED BY: HHD	MARCH 2018	PROJECT NO. A9730-06-01	FIG. B5



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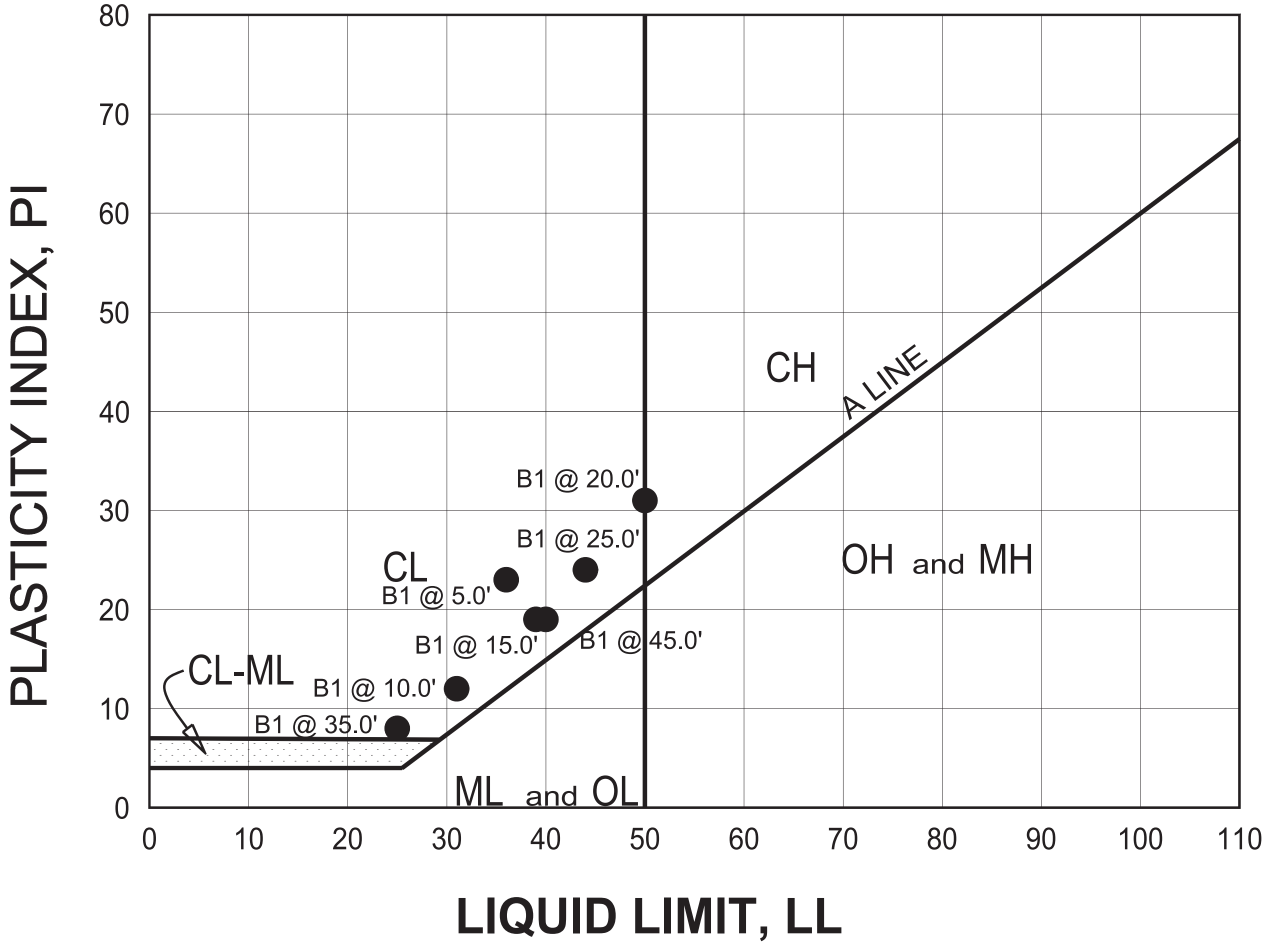
CONSOLIDATION TEST RESULTS

PROPOSED TOWNHOMES
2320 NORTH PARMELEE AVENUE
COMPTON, CALIFORNIA

MARCH 2018	PROJECT NO. A9730-06-01	FIG. B6



BORING NUMBER	DEPTH (FEET)	LL	PL	PI	MOISTURE CONTENT AT SATURATION (%)	SOIL BEHAVIOR
B1	5.0	36.0	13.0	23.0	19.2	CL
B1	10.0	31.0	19.0	12.0	19.2	CL
B1	15.0	39.0	20.0	19.0	22.4	CL
B1	20.0	50.0	19.0	31.0	22.4	CL
B1	25.0	44.0	20.0	24.0	11.6	CL
B1	30.0	N/P	N/P	N/P	N/P	N/P
B1	35.0	25.0	17.0	8.0	- - -	CL
B1	45.0	40.0	21.0	19.0	17.9	CL

*N/P indicates Non-Plastic

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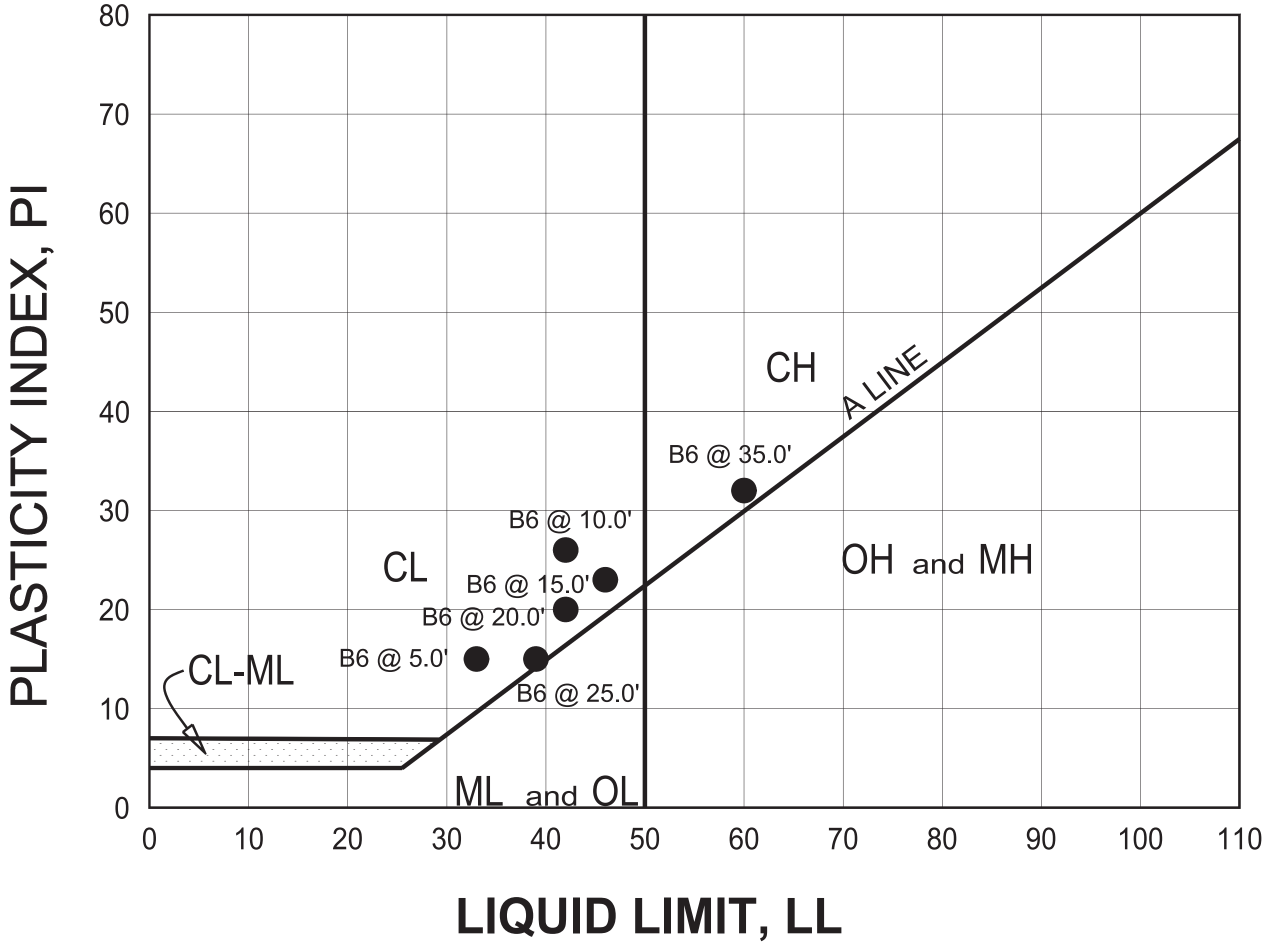
ATTERBERG LIMIT

PROPOSED TOWNHOMES
2320 NORTH PARMELEE AVENUE
COMPTON, CALIFORNIA

MARCH 2018 | PROJECT NO. A9730-06-01 | FIG. B7



BORING NUMBER	DEPTH (FEET)	LL	PL	PI	MOISTURE CONTENT AT SATURATION (%)	SOIL BEHAVIOR
B6	5.0	33.0	18.0	15.0	13.5	CL
B6	10.0	42.0	16.0	26.0	13.5	CL
B6	15.0	46.0	23.0	23.0	19.7	CL
B6	20.0	42.0	22.0	20.0	19.7	CL
B6	25.0	39.0	24.0	15.0	16.6	CL
B6	35.0	60.0	28.0	32.0	23.1	CH
B6	40.0	N/P	N/P	N/P	N/P	N/P

*N/P indicates Non-Plastic

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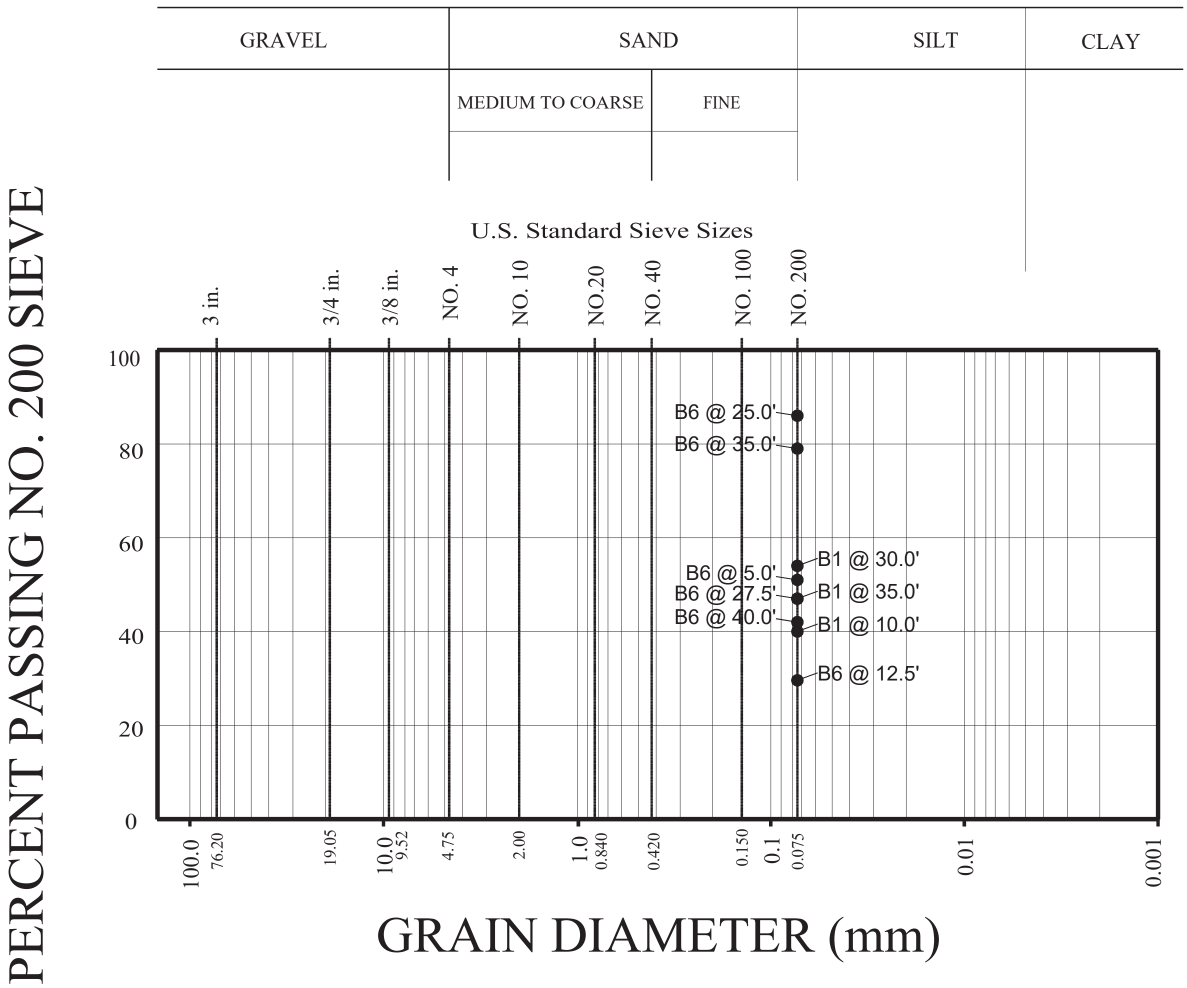
ATTERBERG LIMIT

PROPOSED TOWNHOMES
2320 NORTH PARMELEE AVENUE
COMPTON, CALIFORNIA



SAMPLE	PERCENT PASSING NO. 200 SIEVE
B1 @ 10.0'	40.2
B1 @ 30.0'	53.7
B1 @ 35.0'	47.4
B6 @ 5.0'	50.7
B6 @ 12.5'	29.6
B6 @ 25.0'	86.1
B6 @ 27.5'	47.1
B6 @ 35.0'	78.5
B6 @ 40.0'	41.7

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GRAIN SIZE ANALYSIS

PROPOSED TOWNHOMES
2320 NORTH PARMELEE AVENUE
COMPTON, CALIFORNIA

MARCH 2018 | PROJECT NO. A9730-06-01 | FIG. B9

SUMMARY OF LABORATORY EXPANSION INDEX TEST RESULTS
ASTM D 4829-11

Sample No.	Moisture Content (%)		Dry Density (pcf)	Expansion Index	*UBC Classification	**CBC Classification
	Before	After				
B1 @ 0-5'	9.8	20.5	108.5	44	Low	Expansive
B6 @ 0-5'	9.5	20.2	109.8	57	Moderate	Expansive

* Reference: 1997 Uniform Building Code, Table 18-I-B.

** Reference: 2016 California Building Code, Section 1803.5.3

SUMMARY OF LABORATORY MAXIMUM DENSITY AND AND OPTIMUM MOISTURE CONTENT TEST RESULTS
ASTM D 1557-12

Sample No.	Soil Description	Maximum Dry Density (pcf)	Optimum Moisture (%)
B1 @ 0-5'	Brown Sandy Silt	126.0	11.0
B6 @ 0-5'	Dark Brown Silty Sand	125.5	11.5

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LABORATORY TEST RESULTS

PROPOSED TOWNHOMES
2320 NORTH PARMELEE AVENUE
COMPTON, CALIFORNIA

DRAFTED BY: TL	CHECKED BY: HHD	MARCH 2018	PROJECT NO. A9730-06-01	FIG. B10

SUMMARY OF LABORATORY POTENTIAL OF HYDROGEN (pH) AND RESISTIVITY TEST RESULTS CALIFORNIA TEST NO. 643

Sample No.	pH	Resistivity (Ohm Centimeters)
B1 @ 0-5'	7.8	620 (Severly Corrosive)
B6 @ 0-5'	7.1	2900 (Moderately Corrosive)

SUMMARY OF LABORATORY CHLORIDE CONTENT TEST RESULTS EPA NO. 325.3

Sample No.	Chloride Ion Content (%)
B1 @ 0-5'	0.020
B6 @ 0-5'	0.004

SUMMARY OF LABORATORY WATER SOLUBLE SULFATE TEST RESULTS CALIFORNIA TEST NO. 417

Sample No.	Water Soluble Sulfate (% SO_4)	Sulfate Exposure*
B1 @ 0-5'	0.025	Negligible
B6 @ 0-5'	0.001	Negligible

* Reference: 2016 California Building Code, Section 1904.3 and ACI 318-11 Section 4.3.

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DRAFTED BY: TL	CHECKED BY: HHD

CORROSIVITY TEST RESULTS

PROPOSED TOWNHOMES
2320 NORTH PARMELEE AVENUE
COMPTON, CALIFORNIA

MARCH 2018	PROJECT NO. A9730-06-01	FIG. B11

APPENDIX C

LIQUEFACTION ANALYSIS

TABLE C-1

ANALYSIS OF LIQUEFACTION POTENTIAL
BORING: B-1 (2%PE in 50 yrs; FS=1.3)

Client: G3 Urban
J.N. 3188.01
Site: Compton

Hammer Type (D,S,A)	**A**	[Ce= D 0.75, S 0.95, A Hammer Efficiency]			
Boring Diameter, ID (in)	**4**				
Site Acceleration (g)	**0.839**	PGAm w/o MSF			
for a Magnitude (Mw) of	**6.79**	Corresponding to 2%PE in 50 yrs			
and MSF of	**1.34**			Analysis Type:	General
Depth to High GW	**10.0**	ft.		FS for Liquefaction:	**1.3**
Depth to GW during invest.	**43.0**	ft.		FS for Liqu. Settlement:	**1.3**
Hammer Efficiency	**81.5**	%		PI Threshold for Liquefaction:	**12**
Sublayer Thickness	**1.0**	ft.		Min. Moisture Cnt for Liqu. (%LL)	**85**
Depth of Analysis	**50.0**	ft.		Max FS for Plotting:	**5.0**

Layer Label (Auto)	Depth Interval (ft) Top	Depth Interval (ft) Bottom	Layer Mid-Depth (ft)	Soil Type (USCS)	Fines <#200 Sieve (%)	LL (%)	PI	M (%)	Field Nf (bls/ft)	Sample Type SPT/CA	Soil Wet Density (pcf)
1	0.0	**4.0**	2.0	**CL**	**51**	**40**	**17**	**15**	**15**	**CA**	**123**
2	4.0	**11.0**	7.5	**SC**	**49**				**27**	**CA**	**137**
3	11.0	**15.0**	13.0	**SP**	**5**				**39**	**CA**	**134**
4	15.0	**20.0**	17.5	**SM-SC**	**29**				**17**	**SPT**	**130**
5	20.0	**25.0**	22.5	**SM-SC**	**29**				**15**	**SPT**	**130**
6	25.0	**30.0**	27.5	**SM-SC**	**29**				**18**	**SPT**	**130**
7	30.0	**36.0**	33.0	**CL/ML**	**51**	**41**	**17**	**31**	**17**	**SPT**	**130**
8	36.0	**40.0**	38.0	**SM-SC**	**47**				**19**	**SPT**	**130**
9	40.0	**45.0**	42.5	**CL/ML**	**51**	**49**	**19**	**31.3**	**14**	**SPT**	**130**
10	45.0	**50.0**	47.5	**SP**	**5**				**47**	**SPT**	**130**
11	50.0										
12	50.1										
13	50.2										
14	50.3										
15	50.4										

TABLE C-2
ANALYSIS OF LIQUEFACTION POTENTIAL
BORING: B-1 (2%PE in 50 yrs; FS=1.3)

Client: G3 Urban
J.N. 3188.01
Site: Compton

Hammer Type (D,S,A)	A					
Boring Diameter, ID (in)	4					
Site Acceleration (g)	0.839					
for a Magnitude (Mw) of	6.79					
and MSF of	1.34					
Depth to High GW	10	ft.	FS for Liquefaction:	1.3		
Depth to GW during invest.	43	ft.	FS for Liqu. Settlement:	1.3		
Hammer Efficiency	81.5	%	PI Threshold for Liquefaction:	12		
Sublayer Thickness	1	ft.	Moisture Cnt Threshold for Liqu. (%LL)	85		
Depth of Boring	50	ft.				

Notes: Underlined numbersare estimated values.
(1) Based on current groundwater conditions at the time of investigation.
(2) Based on assumed/proposed high groundwater conditions.
(3) Kα=1.0

(4)
A Layer is located above historically high groundwater
B Factor of Saftey is greater than the specified value of FS=1.3
C The $(N_1)_{60\text{-cs}}$ is greater than 30 blows per foot
D PI > 12 or the in situ moisture content (M%) < 85% LL

Reference: Youd, T.L., et.al., (2001), "Liquefaction Resistance of Soils: Summary Report From The 1996 NCEER and 1998 NCEER/NSF Workshops on Evaluation of Liquefaction Resistance of Soils", ASCE Journal of Geotechnical and Geoenvironmental Engineering, Vol.127, No.10, pp.817-833, October, 2001.

Layer Label	Depth Interval (ft) Top	Bottom	Layer Mid-Depth (ft)	Soil Type (USCS)	Fines <#200 Sieve (%)	LL (%)	PI	M (%)	Field Nf (bls/ft)	Sample Type SPT/CA	Soil Wet Density (pcf)	Total Stress (psf)(1)	Effec. Stress (psf)(1)	C_n	C_e	C_b	C_r	C_L	$(N_1)_{60}$ (lbs/ft)	α	β	$(N_1)_{60\text{-cs}}$ (lbs/ft)	Effec. Stress (psf)(2)	R_d	CRR (M=7.5)	Kσ	CSR	FS (3)	To Liquefy Y/N?	Reason(4) not Liquifiable
																												1.30		
1	0.0	1.0	0.5	CL	51	40	17	15	15	CA	123	61	61	1.7	1.36	1.00	0.75	1.0	19.7	5.0	1.20	28.7	61	1.00	NA	1.00	0.54	NA	N	A
1	1.0	2.0	1.5	CL	51	40	17	15	15	CA	123	184	184	1.7	1.36	1.00	0.75	1.0	19.7	5.0	1.20	28.7	184	1.00	NA	1.00	0.54	NA	N	A
1	2.0	3.0	2.5	CL	51	40	17	15	15	CA	123	307	307	1.6	1.36	1.00	0.75	1.0	19.0	5.0	1.20	27.8	307	0.99	NA	1.00	0.54	NA	N	A
1	3.0	4.0	3.5	CL	51	40	17	15	15	CA	123	429	429	1.6	1.36	1.00	0.75	1.0	18.2	5.0	1.20	26.8	429	0.99	NA	1.00	0.54	NA	N	A
2	4.0	5.0	4.5	SC	49				27	CA	137	559	559	1.5	1.36	1.00	0.75	1.0	23.1	5.0	1.20	32.7	559	0.99	NA	1.00	0.54	NA	N	A
2	5.0	6.0	5.5	SC	49				27	CA	137	696	696	1.4	1.36	1.00	0.75	1.0	22.1	5.0	1.20	31.5	696	0.99	NA	1.00	0.54	NA	N	A
2	6.0	7.0	6.5	SC	49				27	CA	137	832	832	1.4	1.36	1.00	0.80	1.0	22.6	5.0	1.20	32.1	832	0.99	NA	1.00	0.54	NA	N	A
2	7.0	8.0	7.5	SC	49				27	CA	137	969	969	1.3	1.36	1.00	0.80	1.0	21.7	5.0	1.20	31.1	969	0.98	NA	1.00	0.54	NA	N	A
2	8.0	9.0	8.5	SC	49				27	CA	137	1105	1105	1.3	1.36	1.00	0.80	1.0	20.9	5.0	1.20	30.1	1105	0.98	NA	1.00	0.54	NA	N	A
2	9.0	10.0	9.5	SC	49				27	CA	137	1242	1242	1.2	1.36	1.00	0.85	1.0	21.4	5.0	1.20	30.7	1242	0.98	NA	1.00	0.54	NA	N	A
2	10.0	11.0	10.5	SC	49				27	CA	137	1378	1378	1.2	1.36	1.00	0.85	1.0	20.7	5.0	1.20	29.8	1347	0.98	0.45	1.00	0.54	1.12	Y	
3	11.0	12.0	11.5	SP	5				39	CA	134	1514	1514	1.1	1.36	1.00	0.85	1.0	28.8	0.0	1.00	28.8	1420	0.97	0.40	1.00	0.56	0.96	Y	
3	12.0	13.0	12.5	SP	5				39	CA	134	1648	1648	1.1	1.36	1.00	0.85	1.0	27.9	0.0	1.00	27.9	1492	0.97	0.37	1.00	0.58	0.85	Y	
3	13.0	14.0	13.5	SP	5				39	CA	134	1782	1782	1.1	1.36	1.00	0.85	1.0	27.0	0.0	1.00	27.0	1564	0.97	0.34	1.00	0.60	0.76	Y	
3	14.0	15.0	14.5	SP	5				39	CA	134	1917	1917	1.0	1.36	1.00	0.85	1.0	26.2	0.0	1.00	26.2	1636	0.97	0.32	1.00	0.62	0.69	Y	
4	15.0	16.0	15.5	SM-SC	29				17	SPT	130	2049	2049	1.0	1.36	1.00	0.85	1.2	23.8	4.6	1.15	31.9	1706	0.96	NA	1.01	0.64	NA	N	C
4	16.0	17.0	16.5	SM-SC	29				17	SPT	130	2179	2179	1.0	1.36	1.00	0.90	1.2	24.5	4.6	1.15	32.7	1773	0.96	NA	1.00	0.64	NA	N	C
4	17.0	18.0	17.5	SM-SC	29				17	SPT	130	2309	2309	1.0	1.36	1.00	0.90	1.2	23.8	4.6	1.15	31.9	1841	0.96	NA	0.99	0.66	NA	N	C
4	18.0	19.0	18.5	SM-SC	29				17	SPT	130	2439	2439	0.9	1.36	1.00	0.90	1.2	23.2	4.6	1.15	31.2	1909	0.96	NA	0.98	0.66	NA	N	C
4	19.0	20.0	19.5	SM-SC	29				17	SPT	130	2569	2569	0.9	1.36	1.00	0.90	1.2	22.6	4.6	1.15	30.5	1976	0.96	NA	0.97	0.68	NA	N	C
5	20.0	21.0	20.5	SM-SC	29				15	SPT	130	2699	2699	0.9	1.36	1.00	0.90	1.2	19.4	4.6	1.15	26.9	2044	0.95	0.34	0.96	0.68	0.64	Y	
5	21.0	22.0	21.5	SM-SC	29				15	SPT	130	2829	2829	0.9	1.36	1.00	0.90	1.2	19.0	4.6	1.15	26.4	2111	0.95	0.32	0.95	0.70	0.59	Y	
5	22.0	23.0	22.5	SM-SC	29				15	SPT	130	2959	2959	0.8	1.36	1.00	0.95	1.2	19.5	4.6	1.15	27.0	2179	0.95	0.34	0.94	0.70	0.61	Y	
5	23.0	24.0	23.5	SM-SC	29				15	SPT	130	3089	3089	0.8	1.36	1.00	0.95	1.2	19.1	4.6	1.15	26.5	2247	0.95	0.33	0.94	0.70	0.58	Y	
5	24.0	25.0	24.5	SM-SC	29				15	SPT	130	3219	3219	0.8	1.36	1.00	0.95	1.2	18.6	4.6	1.15	26.0	2314	0.94	0.31	0.93	0.72	0.54	Y	
6	25.0	26.0	25.5	SM-SC	29				18	SPT	130	3349	3349	0.8	1.36	1.00	0.95	1.2	21.9	4.6	1.15	29.7	2382	0.94	0.45	0.92	0.72	0.77	Y	
6	26.0	27.0	26.5	SM-SC	29				18	SPT	130	3479	3479	0.8	1.36	1.00	0.95	1.2	21.4	4.6	1.15	29.2	2449	0.94	0.42	0.91	0.72	0.71	Y	
6	27.0	28.0	27.5	SM-SC	29				18	SPT	130	3609	3609	0.8	1.36	1.00	0.95	1.2	20.9	4.6	1.15	28.6	2517	0.94	0.39	0.90	0.74	0.65	Y	
6	28.0	29.0	28.5	SM-SC	29				18	SPT	130	3739	3739	0.7	1.36	1.00	0.95	1.2	20.5	4.6	1.15	28.1	2585	0.93	0.37	0.90	0.74	0.61	Y	
6	29.0	30.0	29.5	SM-SC	29				18	SPT	130	3869	3869	0.7	1.36	1.00	1.00	1.2	21.1	4.6	1.15	28.9	2652	0.93	0.40	0.89	0.74	0.65	Y	
7	30.0	31.0	30.5	CL/ML	51	41	17	31	17	SPT	130	3999	3999	0.7	1.36	1.00	1.00	1.2	19.6	5.0	1.20	28.5	2720	0.93	NA	0.88	0.74	NA	N	D
7	31.0	32.0	31.5	CL/ML	51	41	17	31	17	SPT	130	4129	4129	0.7	1.36	1.00	1.00	1.2	19.2	5.0	1.20	28.0	2787	0.92	NA	0.88	0.74	NA	N	D
7	32.0	33.0	32.5	CL/ML	51	41	17	31	17	SPT	130	4259	4259	0.7	1.36	1.00	1.00	1.2	18.8	5.0	1.20	27.6	2855	0.91	NA	0.87	0.74	NA	N	D
7	33.0	34.0	33.5	CL/ML	51	41	17	31	17	SPT	130	4389	4389	0.7	1.36	1.00	1.00	1.2	18.5	5.0	1.20	27.2	2923	0.90	NA	0.86	0.74	NA	N	D
7	34.0	35.0	34.5	CL/ML	51	41	17	31	17	SPT	130	4519	4519	0.7	1.36	1.00	1.00	1.2	18.1	5.0	1.20	26.7	2990	0.89	NA	0.86	0.74	NA	N	D
7	35.0	36.0	35.5	CL/ML	51	41	17	31	17	SPT	130	4649	4649	0.6	1.36	1.00	1.00	1.2	17.8	5.0	1.20	26.4	3058	0.89	NA	0.85	0.74	NA	N	D
8	36.0	37.0	36.5	SM-SC	47				19	SPT	130	4779	4779	0.6	1.36	1.00	1.00	1.2	19.5	5.0	1.20	28.4	3125	0.88	0.39	0.84	0.74	0.59	Y	
8	37.0	38.0	37.5	SM-SC	47				19	SPT	130	4909	4909	0.6	1.36	1.00	1.00	1.2	19.2	5.0	1.20	28.0	3193	0.87	0.37	0.84	0.72	0.58	Y	
8	38.0	39.0	38.5	SM-SC	47				19	SPT	130	5039	5039	0.6	1.36	1.00	1.00	1.2	18.9	5.0	1.20	27.6	3261	0.86	0.36	0.83	0.72	0.55	Y	
8	39.0	40.0	39.5	SM-SC	47				19	SPT	130	5169	5169	0.6	1.36	1.00	1.00	1.2	18.5	5.0	1.20	27.2	3328	0.85	0.35	0.83	0.72	0.53	Y	
9	40.0	41.0	40.5	CL/ML	51	49	19	31.3	14	SPT	130	5299	5299	0.6	1.36	1.00	1.00	1.2	13.4	5.0	1.20	21.1	3396	0.85	NA	0.82	0.72	NA	N	D
9	41.0	42.0	41.5	CL/ML	51	49	19	31.3	14	SPT	130	5429	5429	0.6	1.36	1.00	1.00	1.2	13.2	5.0	1.20	20.9	3463	0.84	NA	0.82	0.72	NA	N	D
9	42.0	43.0	42.5	CL/ML	51	49	19	31.3	14	SPT	130	5559	5559	0.6	1.36	1.00	1.00	1.2	13.0	5.0	1.20	20.6	3531	0.83	NA	0.81	0.72	NA	N	D
9	43.0	44.0	43.5	CL/ML	51	49	19	31.3	14	SPT	130	5689	5658	0.6	1.36	1.00	1.00	1.2	12.8	5.0	1.20	20.4	3599	0.82	NA	0.81	0.70	NA	N	D
9	44.0	45.0	44.5	CL/ML	51	49	19	31.3	14	SPT	130	5819	5725	0.6	1.36	1.00	1.00	1.2	12.7	5.0	1.20	20.3	3666	0.81	NA	0.80	0.70	NA	N	D
10	45.0	46.0	45.5	SP	5				47	SPT	130	5949	5793	0.6	1.36	1.00	1.00	1.2	42.4	0.0	1.00	42.4	3734	0.81	NA	0.80	0.70	NA	N	C
10	46.0	47.0	46.5	SP	5				47	SPT	130	6079	5861	0.5	1.36	1.00	1.00	1.2	42.1	0.0	1.00	42.1	3801	0.80	NA	0.80	0.70	NA	N	C
10	47.0	48.0	47.5	SP	5				47	SPT	130	6209	5928	0.5	1.36	1.00	1.00	1.2	41.7	0.0	1.00	41.7	3869	0.79	NA	0.80	0.70	NA	N	C
10	48.0	49.0	48.5	SP	5				47	SPT	130	6339	5996	0.5	1.36	1.00	1.00	1.2	41.4	0.0	1.00	41.4	3937	0.78	NA	0.79	0.68	NA	N	C
10	49.0	50.0	49.5	SP	5				47	SPT	130	6469	6063	0.5	1.36	1.00	1.00	1.2	41.1	0.0	1.00	41.1	4004	0.77	NA	0.79	0.68	NA	N	C

TABLE C-3
LIQUEFACTION INDUCED SETTLEMENT
BORING B-1 (2%PE in 50 yrs; FS=1.3)

Client: G3 Urban

J.N. 3188.01

Site: Compton

Notes:

(1) Effective ER=55% normalized standard penetration resistance for clean sands, $(N_1)_{60\text{-}cs}$*1.1 (Seed, 1994).
(2) Volumetric strain (Ishihara and Yoshimine, 1992) using $(N_1)_{55\text{-}cs}$.
(3) Volumetric strain (Tokimatsu and Seed, 1987) using $(N_1)_{60\text{-}cs}$.

Depth Interval (ft)		Soil layer thickness (ft)	Fines <#200 Sieve (%)	$(N_1)_{60\text{-}cs}$	$(N_1)_{55\text{-}cs}$ (1)	FS	IY Percent ε_v (2)	CSR*	TS Percent ε_v (3)	IY δ (in.)	TS δ (in.)	Ave δ (in.)
									Total δ (in.)	2.20	3.10	2.65
Top	Bottom											
0.00	1.00	1.00	51	28.7	31.6	NA	0.00	0.54	NA	NA	NA	0
1.00	2.00	1.00	51	28.7	31.6	NA	0.00	0.54	NA	NA	NA	0
2.00	3.00	1.00	51	27.8	30.5	NA	0.00	0.54	NA	NA	NA	0
3.00	4.00	1.00	51	26.8	29.5	NA	0.00	0.54	NA	NA	NA	0
4.00	5.00	1.00	49	32.7	36.0	NA	0.00	0.54	NA	NA	NA	0
5.00	6.00	1.00	49	31.5	34.7	NA	0.00	0.54	NA	NA	NA	0
6.00	7.00	1.00	49	32.1	35.4	NA	0.00	0.54	NA	NA	NA	0
7.00	8.00	1.00	49	31.1	34.2	NA	0.00	0.54	NA	NA	NA	0
8.00	9.00	1.00	49	30.1	33.1	NA	0.00	0.54	NA	NA	NA	0
9.00	10.00	1.00	49	30.7	33.8	NA	0.00	0.54	NA	NA	NA	0
10.00	11.00	1.00	49	29.8	32.8	1.1	0.27	0.54	1.31	0.03	0.16	0.09
11.00	12.00	1.00	5	28.8	31.7	1.0	0.38	0.56	1.33	0.05	0.16	0.10
12.00	13.00	1.00	5	27.9	30.7	0.8	0.75	0.58	1.36	0.09	0.16	0.13
13.00	14.00	1.00	5	27.0	29.7	0.8	0.82	0.60	1.38	0.10	0.17	0.13
14.00	15.00	1.00	5	26.2	28.8	0.7	1.07	0.62	1.41	0.13	0.17	0.15
15.00	16.00	1.00	29	31.9	35.1	NA	0.00	0.64	NA	NA	NA	0
16.00	17.00	1.00	29	32.7	35.9	NA	0.00	0.64	NA	NA	NA	0
17.00	18.00	1.00	29	31.9	35.1	NA	0.00	0.66	NA	NA	NA	0
18.00	19.00	1.00	29	31.2	34.3	NA	0.00	0.66	NA	NA	NA	0
19.00	20.00	1.00	29	30.5	33.6	NA	0.00	0.68	NA	NA	NA	0
20.00	21.00	1.00	29	26.9	29.6	0.6	1.20	0.68	1.39	0.14	0.17	0.16
21.00	22.00	1.00	29	26.4	29.0	0.6	1.27	0.70	1.40	0.15	0.17	0.16
22.00	23.00	1.00	29	27.0	29.7	0.6	1.18	0.70	1.38	0.14	0.17	0.15
23.00	24.00	1.00	29	26.5	29.1	0.6	1.25	0.70	1.40	0.15	0.17	0.16
24.00	25.00	1.00	29	26.0	28.6	0.5	1.48	0.72	1.42	0.18	0.17	0.17
25.00	26.00	1.00	29	29.7	32.7	0.8	0.61	0.72	1.31	0.07	0.16	0.12
26.00	27.00	1.00	29	29.2	32.1	0.7	0.77	0.72	1.32	0.09	0.16	0.13
27.00	28.00	1.00	29	28.6	31.5	0.6	0.96	0.74	1.34	0.12	0.16	0.14
28.00	29.00	1.00	29	28.1	31.0	0.6	1.03	0.74	1.35	0.12	0.16	0.14
29.00	30.00	1.00	29	28.9	31.8	0.7	0.80	0.74	1.33	0.10	0.16	0.13
30.00	31.00	1.00	51	28.5	31.3	NA	0.00	0.74	NA	NA	NA	0
31.00	32.00	1.00	51	28.0	30.8	NA	0.00	0.74	NA	NA	NA	0
32.00	33.00	1.00	51	27.6	30.3	NA	0.00	0.74	NA	NA	NA	0
33.00	34.00	1.00	51	27.2	29.9	NA	0.00	0.74	NA	NA	NA	0
34.00	35.00	1.00	51	26.7	29.4	NA	0.00	0.74	NA	NA	NA	0
35.00	36.00	1.00	51	26.4	29.0	NA	0.00	0.74	NA	NA	NA	0
36.00	37.00	1.00	47	28.4	31.3	0.6	0.99	0.74	1.34	0.12	0.16	0.14
37.00	38.00	1.00	47	28.0	30.8	0.6	1.05	0.72	1.35	0.13	0.16	0.14
38.00	39.00	1.00	47	27.6	30.4	0.6	1.10	0.72	1.37	0.13	0.16	0.15
39.00	40.00	1.00	47	27.2	30.0	0.5	1.35	0.72	1.38	0.16	0.17	0.16
40.00	41.00	1.00	51	21.1	23.2	NA	0.00	0.72	NA	NA	NA	0
41.00	42.00	1.00	51	20.9	22.9	NA	0.00	0.72	NA	NA	NA	0
42.00	43.00	1.00	51	20.6	22.7	NA	0.00	0.72	NA	NA	NA	0
43.00	44.00	1.00	51	20.4	22.5	NA	0.00	0.70	NA	NA	NA	0
44.00	45.00	1.00	51	20.3	22.3	NA	0.00	0.70	NA	NA	NA	0
45.00	46.00	1.00	5	42.4	46.7	NA	0.00	0.70	NA	NA	NA	0
46.00	47.00	1.00	5	42.1	46.3	NA	0.00	0.70	NA	NA	NA	0
47.00	48.00	1.00	5	41.7	45.9	NA	0.00	0.70	NA	NA	NA	0
48.00	49.00	1.00	5	41.4	45.5	NA	0.00	0.68	NA	NA	NA	0
49.00	50.00	1.00	5	41.1	45.2	NA	0.00	0.68	NA	NA	NA	0

TABLE C-3
ANALYSIS OF DRY SEISMIC SETTLEMENT POTENTIAL
BORING B-1 (2%PE in 50 yrs; FS=1.3)

Client: G3 Urban
J.N. 3188.01
Site: Compton

GW Depth: 10 feet
EQ Magnitude 6.79
MSF 1.34

Total Seismic Settlement of Unsaturated Soil w/ FS=2.0 (in):	**0.30**
Subtotal Seismic Settlement of Unsaturated Soil (in)	0.15
Total Thickness of Unsaturated Soil (ft)	10.0

Layer Mid-Depth (ft.)	Soil Type	Eff. Stress σ'_{vo}(tsf)	Clean Sand $(N_1)_{60}$	CSR	(psf) τ_{avg} Avg. Shear Stress	(tsf) σ_m' Mean Bulk Stress	(tsf) G_{max} Max. Dyn.Shr. Mod.	γ_{eff} (G_{eff}/G_{max})	Eff. Cyclic Shr.Strain γ_{eff} (Fig.11)	Eff. Cyclic Shr.Strain γ_{eff} (%)	Volume Strain (%) (Fig.13)	EQ Mag. Factor	Layer Thickness (ft.)	Estimated Dry Sand Seismic Settlement (in.)
0.5	CL	0.03	28.7	0.54	33.1	0.02	191.2	8.66E-05	1.80E-04	1.80E-02	1.08E-02	1.34	1.0	0.000
1.5	CL	0.09	28.7	0.54	99.4	0.06	331.1	1.50E-04	5.61E-04	5.61E-02	3.36E-02	1.34	1.0	0.000
2.5	CL	0.15	27.8	0.54	165.6	0.10	422.9	1.96E-04	3.33E-03	3.33E-01	2.09E-01	1.34	1.0	0.000
3.5	CL	0.21	26.8	0.54	231.9	0.14	494.6	2.34E-04	7.93E-03	7.93E-01	5.23E-01	1.34	1.0	0.000
4.5	SC	0.28	32.7	0.54	301.9	0.18	602.6	2.50E-04	3.92E-03	3.92E-01	1.86E-01	1.34	1.0	0.017
5.5	SC	0.35	31.5	0.54	375.6	0.23	664.0	2.83E-04	3.03E-03	3.03E-01	1.54E-01	1.34	1.0	0.014
6.5	SC	0.42	32.1	0.54	449.3	0.27	730.9	3.07E-04	4.89E-03	4.89E-01	2.40E-01	1.34	1.0	0.022
7.5	SC	0.48	31.1	0.54	523.0	0.31	779.8	3.35E-04	7.03E-03	7.03E-01	3.68E-01	1.34	1.0	0.033
8.5	SC	0.55	30.1	0.54	596.7	0.36	824.2	3.62E-04	6.76E-03	6.76E-01	3.76E-01	1.34	1.0	0.034
9.5	SC	0.62	30.7	0.54	670.4	0.40	879.3	3.81E-04	6.05E-03	6.05E-01	3.25E-01	1.34	1.0	0.029

ATTACHMENTS

Attachment E: Technical Memorandum and Phase II ESA

Stantec

Technical Memorandum

To:	City of Compton - Building Department 205 South Willowbrook Avenue Compton, California 90221	From:	Alicia Jansen and Kyle Emerson 735 E. Carnegie Drive, Suite 280 San Bernardino, California
Project/File:	185806175	Date:	August 7, 2025

Reference: Uniform Closure Letter, based on closure criteria established by the State Water Resources Control Board for residential use or residential mixed uses, for 2320 North Parmelee Avenue, Compton, California (the "Subject Property")

On behalf of G3 Urban, Stantec Consulting Services Inc. (Stantec) has prepared this Technical Memorandum to address the following comment from the City of Compton (the "City") regarding its review of the CEQA Exemption letter, dated July 9, 2025, for the property located at 2320 North Parmelee Avenue in the City of Compton, County of Los Angeles, California:

*The City completed review [of] the Notice of Statutory CEQA Exemption letter dated July 9, 2025, along with the attached Exhibit 'A' (**Pub. Res. Code § 21080.66 Consistency Matrix for the Compton 60 Project**) and determined the following;*

- *That in order to determine whether the site can qualify for the Public Resources Code Section 21080.66 exemption with respect to the 21080.66 (a)(6) and Government Code Section 65913.4(a)(6)(E) requirements, the City needs either (1) a uniform closure letter issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code based on closure criteria established by the State Water Resources Control Board **for residential use or residential mixed uses**, or (ii) documentation that the State Department of Public Health, State Water Resources Control Board, Department of Toxic Substances Control, or a local agency has made a determination pursuant to subdivision (c) of Section 25296.10 of the Health and Safety Code, that the site is suitable for **residential use or residential mixed uses.***

If the applicant is able to provide that documentation which meets the above-listed criteria (pay particular attention to the underlined sections) then it appears that it would meet the criteria under Pub. Res. Code Sec. 21080.66(a)(6) and Govt. Code Section 65913.4(a)(6)(E) to qualify for the exemption. Staff has no comments on any of the other provisions.

Executive Summary

As set forth in detail below, Stantec has reviewed the Uniform Closure Letter, dated January 7, 2009, issued for the Subject Property by the County of Los Angeles Department of Public Works ("LACDPW"). The Uniform Closure Letter was based on subsurface investigation data submitted to LACDPW that demonstrates that residual contaminant levels in environmental media at the Subject Property meet the closure criteria established by the State Water Resources Control Board for residential use and residential mixed uses.

Reference: 2320 North Parmelee Avenue, Compton, California

Accordingly, Stantec concludes that the Uniform Closure Letter meets the City's requirements that are discussed above.

Background and Subsurface Investigation Data

The Subject Property consists of approximately 4.59 acres of land formerly occupied by the California Air and Army National Guard for use as an armory, a warehouse, for vehicle maintenance, and as a headquarters office with a dining hall. At the time of Stantec's site reconnaissance, only the building foundations remained and everything else had been cleared from the Subject Property. Uses of the adjoining properties, as well as of the nearby area, include residential use, the Centennial High School and, to the east, additional schools. The easternmost 50 feet of the Subject Property consists of a Los Angeles County Flood Control District easement. A Subject Property Location Map is provided as Figure 1. A Subject Property Vicinity Map illustrating the main features of the Subject Property and vicinity is provided as Figure 2.

Based on a review of historical documents, including aerial photographs and regulatory records, the Subject Property was formerly used for light agricultural purposes (*i.e.*, dry land farming, which does not typically implicate the historical use of pesticides or herbicides) until approximately 1950, when it was developed as the California Air National Guard and included the headquarters building, a small warehouse, and a vehicle maintenance building (the Organizational Maintenance Shop); with a dining hall added to the Subject Property in 1955; two equipment storage buildings added in the early 1960s; and a communications security vault structure added in the late 1960s.

The Subject Property was transferred to the California Army National Guard in 1985 for use as an armory and a vehicle maintenance shop; however, there is no indication that any weapons or ammunition were ever stored on the Subject Property. The California Army National Guard ceased its operations at the Subject Property in 2006. The above-ground structures at the Subject Property were demolished in 2013, with only concrete foundations remaining. The hydraulic lifts and clarifier in the former Organizational Maintenance Shop were removed during the building demolition. The Subject Property has remained vacant since 2012.

Historically, three underground storage tanks (USTs) were located on the northeastern portion of the Subject Property and included one 3,000-gallon gasoline UST; one 3,000-gallon diesel fuel UST; and one waste-oil UST. These USTs were removed in the late 1980s. In 2004, the environmental consultant known as AMEC was engaged to collect 36 soil samples from 6 borings to depths of 30 feet below ground surface (bgs) to evaluate the potential for historical releases from the USTs. According to the data generated by AMEC, soil samples from each boring were analyzed for total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs) with select samples from the two former waste oil tank borings also analyzed for metals. AMEC reported TPH in the oil range organics (TPHo) with concentrations ranging from 100 to 850 milligrams per kilogram (mg/kg) in the 5-foot soil samples collected from C-01 and C-02 located at the former waste oil UST. The detected concentrations are below the current residential use or residential mixed uses screening level for TPHo of 1,000 mg/kg. AMEC also reported no additional detections of TPH or VOC in the remaining soil samples analyzed (*i.e.*, the results were "non-detect"), and metals concentrations were reported as relatively low and within the range of naturally-occurring regional background levels for Southern California.

Reference: 2320 North Parmelee Avenue, Compton, California

Based on the analytical data presented in AMEC's Site Investigation report, dated August 31, 2004, the reported TPH, VOC, and metals concentrations near the UST and fuel island are below current soil screening levels for residential use or residential mixed uses.

Two USTs were installed at the Subject Property in the early 1990s and were located in the parking lot northeast of the Organizational Maintenance Shop. The tanks included one 1,000-gallon gasoline UST and a 4,000-gallon diesel fuel UST. According to the Underground Storage Tank Closure Report prepared by American Integrated Services, Inc. ("AIS"), dated September 10, 2007, the USTs were removed on June 13, 2007, and soil samples were collected from depths of approximately 11 to 12 feet below ground surface (bgs) beneath each of the USTs and from approximately 2 feet bgs below the dispensers for the USTs.

The soil samples collected from these locations were analyzed for TPH and VOCs. The laboratory results for the soil samples identified only one minor detection of TPH in the diesel range (TPHd), at 1.2 milligrams per kilogram (mg/kg), which is below the current soil screening levels for residential use or residential mixed uses for TPHd – of 260 mg/kg. The laboratory results for all other soil samples collected from below the UST excavations and from beneath the dispenser islands were "non-detect" for TPH and VOCs. Accordingly, based on its review of the UST closure report, LACDPW issued the Uniform Closure Letter (a copy of which is attached as Appendix A). Based on the analytical data presented in AIS's Underground Storage Tank Closure Report, all reported TPH and VOC concentrations are below current residential use and residential mixed used soil screening level.

Stantec was provided with information and data from the Phase II Site Investigation Report, dated August 27, 2014, that was prepared by Avocet Environmental, Inc (Avocet), which was submitted to LACDPW. According to the provided information and data, Avocet collected and analyzed 40 soil samples from 12 borings drilled to depths of 6 and 15 feet bgs on the Subject Property. All of the collected soil samples were analyzed for TPH and VOCs, and select samples were analyzed for semi-VOCs, polychlorinated biphenyls (PCBs), and/or California Code of Regulations (CCR) Title 22 Metals. In addition, based on the historical agricultural use of the Subject Property, selected shallow soil samples were analyzed for organochlorine pesticides (OCPs). Further, soil vapor samples were also collected from 5 and 15 feet bgs in 3 of the 12 borings and were analyzed for the presence of VOCs. The results are summarized as follows:

- TPH was reported in 8 of the 40 soil samples with maximum concentrations of TPHd reported as 180 mg/kg and TPHo as 550 mg/kg. Seven of the eight TPH detections were localized to the 2-foot interval with only one detection reported at 5-feet bgs, with the rest of the results for that depth being "non-detect". The reported TPHd and TPHo concentrations are below the regulatory guidance standards for residential use or residential mixed uses, which are 1,000 and 10,000 mg/kg, respectively. Therefore, Avocet concluded that no additional investigation or remedial action was warranted.

- VOCs were reported by Avocet in 16 of the 40 soil samples at concentrations that are several orders of magnitude lower than their corresponding regulatory screening levels for residential use or residential mixed uses, such that no further investigation was warranted.

Reference: **2320 North Parmelee Avenue, Compton, California**

- Only one SVOC (pyrene) was reported in a 2-foot sample – at a concentration of 1.1 mg/kg, which is several orders of magnitude lower than its corresponding regulatory screening level for residential use or residential mixed uses, such that no further investigation was warranted.

- Title 22 metals were reported by Avocet in 8 of the soil samples analyzed at concentrations below their corresponding regulatory screening levels for residential use or residential mixed uses, with the exception of a concentration reported in the 2-foot sample from SB-8, near the corroded drain inlet in the northwest corner of the former Organizational Maintenance Shop. At this location, cadmium was detected at a concentration of 6.79 mg/kg and lead was detected at a concentration of 355 m/kg, which exceeded their corresponding residential California Human Health Screening Levels (CHHSLs) of 1.7 and 320 mg/kg, respectively. However, these detections of cadmium and lead were below their residential Regional Screening Levels (RSLs) RSLs of 70 and 400 mg/kg, respectively, and CHHSLs are no longer utilized by the California Environmental Protection Agency as a regulatory or cleanup standard.

- None of the five samples analyzed by Avocet reported any concentrations of PCBs above the laboratory reporting limit (*i.e.*, the results were “non-detect”).

- One of the three soil samples analyzed for OCPs reported a minor detection of 4,4-DDE at 0.370 mg/kg, which Avocet confirmed is well below the regulatory screening level of 1.6 mg/kg.

- Three of the six soil vapor samples showed trace concentrations of VOCs at levels below their CHHSLs, with the exception of the 5- and 15-feet bgs samples from boring SV-8 near the corroded drain inlet in the former battery room inside the Organizational Maintenance Shop. The analytical results for these samples reported ethylbenzene concentrations that were 6.5 and 2.2 micrograms per liter (ug/L) from the 5- and 15-foot interval, which exceeded the residential CHHSL of 0.42 ug/L.

Based on the analytical results, Avocet concluded that the subsurface environmental impacts to the Subject Property appeared to be *de minimis* in nature and extent and that no additional assessment was warranted, with the exception of the exceedances of cadmium and lead in shallow soil around the corroded drain inlet in the northwest corner of the former Organizational Maintenance Shop and the ethylbenzene detection in soil vapor near the corroded drain inlet in the former battery room inside the Organizational Maintenance Shop. Avocet concluded, however, that the small and localized volume of metal-impacted soil is unlikely to pose a health risk to construction workers or to future users of the Subject Property.

Based on the contemplated redevelopment of the Subject Property for residential use or residential mixed uses, however, Stantec conducted additional subsurface investigations of soil and soil vapor at the Subject Property between September 7 and September 11, 2023, in order to more fully define residual contaminant concentrations.

The scope of work completed by Stantec included the advancement of ten (10) soil borings (SB-1 through SB-10) to depths of approximately 15.5 feet bgs and the installation of soil vapor probes in all ten soil borings at 15-feet bgs. Soil samples were collected at depths of 1.0, 5.0, 10.0, and 15.0 feet bgs from each boring for potential laboratory analysis of TPH by EPA Method 8015 and for VOCs by EPA Method 8260. Soil boring SB-10 was advanced near the corroded drain inlet in the northwest corner of the former Organizational

Maintenance Shop. Soil samples were collected at that location from depths of 1.0, 5.0, 10.0, and 15.0 feet bgs and submitted for laboratory analysis for lead and cadmium by EPA Method 6010B.

The laboratory results reported no concentrations of TPH gasoline range organics (GRO) or VOCs at levels above the laboratory reporting limits in any of the soil samples collected (*i.e.*, the results were “non-detect”). Only minor detections of TPH as diesel range organics (DRO) and oil range organics (ORO) were reported, and only in three of the 20 soil samples, at concentrations below their corresponding regulatory screening levels for residential use or residential mixed uses of 260 and 12,000 mg/kg, respectively. Lead was reported in soil boring SB-10, near the corroded drain, at concentrations ranging from 1.2 to 13.0 mg/kg, which levels are far below the residential use or residential mixed uses screening level of 80 mg/kg. Cadmium was detected in soil boring SB-10 at concentrations ranging from 1.4 to 2.6 mg/kg, which are below the residential use or residential mixed uses screening level of 5.2 mg/kg.

The cadmium and lead impacts previously identified by Avocet near the corroded drain inlet in the northwest corner of the former Organizational Maintenance Shop appear to be very limited and localized and are considered *de minimis* in extent. The lead and cadmium impacts to soil in this area can easily be removed from the Subject Property prior to redevelopment activities, for disposal at a licensed off-site disposal facility, on a self-directed basis and without the need for regulatory oversight (given the very limited nature of the excavation).

Tetrachloroethene (PCE) was detected in one of the 10 soil vapor samples (SB-2-5) at a concentration of 20 micrograms per cubic meter (ug/m^3), which only slightly exceeds its the residential screening level of 15.3 ug/m^3 when applying the most conservative attenuation factor (AF) considered by the State of California (0.03), which is neither a regulatory standard nor a cleanup standard but which is sometimes referenced for screening purposes. No PCE was detected in the deeper soil vapor sample from this boring (SB-2-15), or from any other location on the Subject Property, at concentrations above the laboratory detection level of 6.5 ug/m^3 (*i.e.*, the results were “non-detect”), supporting the conclusion that the PCE detection is anomalous, limited and localized, and not indicative of a site-wide concern. Low concentrations of toluene, trichlorotrifluoromethane, and carbon disulfide were detected in five of the 10 soil vapor samples, but at levels significantly below their corresponding residential use or residential mixed uses screenings levels even when applying the most conservative AF of 0.03.

Conclusions

LACDPW is the lead regulatory agency in regard to the environmental condition of the Subject Property, and there is no open regulatory case file for the Subject Property with either the Los Angeles Regional Water Quality Control Board (RWQCB) or the California Department of Toxic Substances Control (DTSC) – nor are there any requirements applicable to the Subject Property from either agency. In its role as the lead regulatory agency, LACDPW issued a Uniform Closure Letter, dated January 7, 2009, for the former USTs. Based on the data provided in AMEC’s Site Investigation report (August 31, 2004) and in AIS’s Underground Storage Tank Closure Report (September 10, 2007), the soil sampling results from the UST investigations completed in 2004 and 2007 show residual contaminant levels that are below current screening levels for residential use and residential mixed uses – such that no additional assessment was required or recommended.

Reference: **2320 North Parmelee Avenue, Compton, California**

In addition, the laboratory results for the soil samples collected in connection with the previous investigations by Avocet in 2014, and by Stantec in 2023, reported no significant detections of TPH, VOCs, or metals at concentrations above the current screening levels for residential use and residential mixed uses, and Stantec concludes that the former subsurface features and historical operations associated with the former armory do not represent an environmental concern to the use of the Subject Property for residential use or residential mixed uses.

Accordingly, Stantec concludes that no soil impacts have been detected by the completed assessments or by the current soil vapor survey that would be a concern with respect to the development of the Subject Property for residential use or residential mixed uses. Therefore, the Uniform Closure Letter issued by LACDPW, based on the environmental condition of the Subject Property, and based on the data submitted to LACDPW for its review and approval, complies with closure criteria established by the State Water Resources Control Board for residential use or residential mixed uses.

As a result, as discussed above, the criteria under Pub. Res. Code Sec. 21080.66(a)(6) and Govt. Code Section 65913.4(a)(6)(E), to qualify for the exemption, have been satisfied.

Should you have any questions regarding this memo, please feel free to contact the undersigned.

Regards,

Stantec Consulting Services Inc.

Alicia Jansen
Senior Scientist
(909) 654-8342
alicia.jansen@stantec.com

Kyle Emerson
Managing Principal Geologist
(951) 315-0534
kyle.emerson@stantec.com

Figures

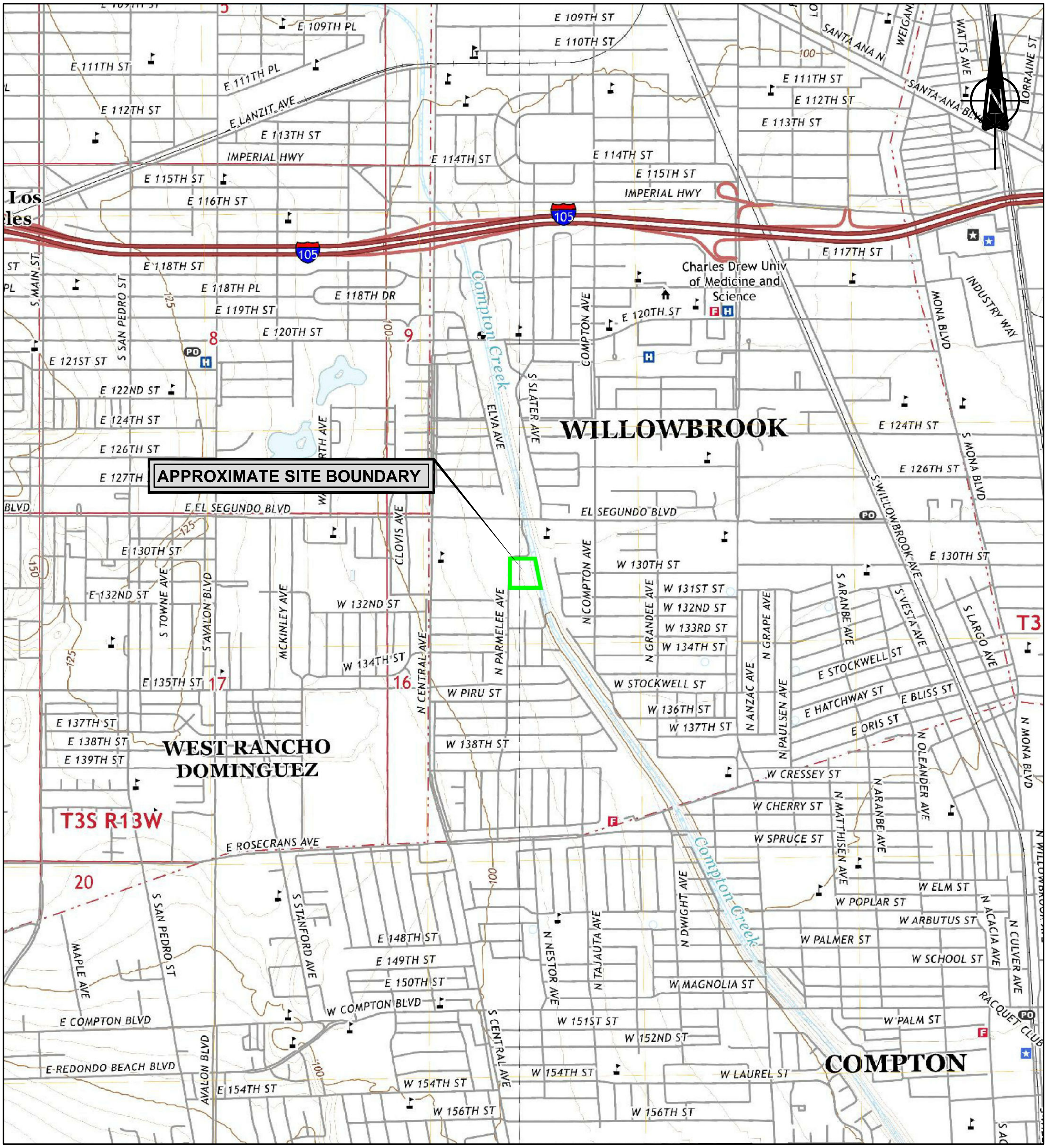
Figure 1 – Subject Property Location Map
Figure 2 – Subject Property Vicinity Map

Appendix

Appendix A – LACDPW's Uniform Closure Letter

Reference: 2320 North Parmelee Avenue, Compton, California

FIGURES



SCALE : AS SHOWN

NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC SERVICES INC. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

SUBJECT PROPERTY LOCATION MAP PHASE I ENVIRONMENTAL SITE ASSESSMENT 2320 NORTH PARMELEE AVENUE, COMPTON, CA 90222	Project No.: 185806175 Scale: AS SHOWN Date: 23/08/11 Dwn. By: CD OK SC2023080005 App'd By: KE	Fig. No.: 1	Stantec
Client: BORSTEIN ENTERPRISES			

NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

SUBJECT PROPERTY DETAILS

PHASE I ENVIRONMENTAL SITE ASSESSMENT

2320 NORTH PARMELEE AVENUE, COMPTON, CA 90222

Client: BORSTEIN ENTERPRISES

Project No.:	185806175
Scale:	AS SHOWN
Date:	23/08/11
Dwn. By:	CD OK SC2023080006
App'd By:	KE

Fig. No.: 2

Stantec

Reference: **2320 North Parmelee Avenue, Compton, California**

APPENDIX A
LACDPW's Uniform Closure Letter

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (626) 458-5100
http://dpw.lacounty.gov

DEAN D. EFSTATHIOU, Acting Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

January 7, 2009

IN REPLY PLEASE REFER TO FILE: EP-1
013322-013656

Captain Koop
California State Military Department
P.O. Box 269101
Sacramento, CA 95826-1711

Dear Captain Koop:

HAZARDOUS MATERIALS UNDERGROUND STORAGE TANK
CLOSURE CERTIFICATION/SITE INVESTIGATION
CLOSURE APPLICATION NO. 238619
FACILITY LOCATED AT 2320 NORTH PARMALEE AVENUE, COMPTON (2P)

This letter confirms the completion of a site investigation and corrective action for the underground storage tank (UST) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former UST are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your UST site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the California Health and Safety Code (CH&SC) and with corrective action regulations adopted pursuant to Section 25299.3 of the CH&SC and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the CH&SC.

If you have any questions, please contact Mr. Phillip Gharibians of this office at (626) 458-5976, Monday through Thursday, 7 a.m. to 5:30 p.m.

Very truly yours,

GAIL FARBER
Director of Public Works

for

TIM SMITH
Senior Civil Engineer
Environmental Programs Division

PGT:kp
P:\SEC\Captain Koop C595383

cc: California Regional Water Quality Control Board, Los Angeles Region (Yue Rong)

Phase II Environmental Site Assessment

2320 North Parmelee Avenue, Compton, California

September 18, 2023

Prepared for:

Borstein Enterprises
11760 Wilshire Boulevard, Suite 820
Los Angeles, California 90025

Prepared by:

Stantec Consulting Services Inc.
735 E. Carnegie Drive, Suite 280
San Bernardino, California 92408

Project No.: 185806175

This document entitled Phase II Environmental Site Assessment, 2320 North Parmelee Avenue, Compton, California was prepared by Stantec Consulting Services Inc. ("Stantec") for the account of Borstein Enterprises (the "Client"). Any reliance on this document by any third party is strictly prohibited. The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by others. Any use which a third party makes of this document is the responsibility of such third party. Such third party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other third party as a result of decisions made or actions taken based on this document.

This Report is intended solely for use by the Client in accordance with the proposal and terms and conditions dated August 17, 2023, and accepted by the Client the same day. While the Report may be provided to applicable authorities having jurisdiction and others for whom the Client is responsible, Stantec does not warrant the services to any third party. The report may not be relied upon by any other party without the express written consent of Stantec, which may be withheld at Stantec's discretion.

Prepared by ______________________________
(signature)

Alicia Jansen
Senior Scientist

Reviewed by ______________________________
(signature)

Jim DeWoody
Principal Scientist

Approved by ______________________________
(signature)

Kyle Emerson, CEG
Managing Principal Geologist

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

1.0 EXECUTIVE SUMMARY

On behalf of Borstein Enterprises, Stantec Consulting Services Inc. (Stantec) has prepared this Phase II Environmental Site Assessment (ESA) report for the property located at 2320 North Parmelee Avenue, City of Compton, County of Los Angeles, California (the "Site" or "Property"; see Figure 1). The work was performed according to Stantec's proposal and terms and conditions dated August 17, 2023, and accepted by the Client the same day. Borstein Enterprises (the "User") has been designated as the User of this report.

The Subject Property consists of approximately 4.59 acres of land formerly occupied by the California Air and Army National Guard for an armory, warehouse, vehicle maintenance, and headquarter office with dining hall. At the time of Stantec's site reconnaissance, only the building foundations remained. Uses of the adjoining properties, as well as the nearby area, include residential use, the Centennial High School and, to the east, additional schools. The easternmost 50 feet of the Subject Property consists of the Los Angeles County Flood Control District easement. A Subject Property Location Map is provided as Figure 1. A Subject Property Vicinity Map illustrating the main features of the Subject Property and vicinity is provided as Figure 2.

Based on a review of historical documents including aerial photographs and regulatory records, the Subject Property was formerly used for light agricultural purposes (*i.e.*, dry land farming, which does not typically implicate the historical use of pesticides or herbicides) until circa 1950, when it was developed as the California Air National Guard and included the headquarters building, a small warehouse, and vehicle maintenance building (Organizational Maintenance Shop); with a dining hall added to the Subject Property in 1955; two equipment storage buildings added in the early 1960s; and a communications security vault structure added in the late 1960s.

The Subject Property was transferred to the California Army National Guard in 1985 for use as an armory and vehicle maintenance shop; however, there is no indication that weapons or ammunition were stored on the Subject Property. The California Army National Guard ceased operations in 2006. The aboveground structures were demolished in 2013, with only concrete foundations remaining. The hydraulic lifts and clarifier in the former Organizational Maintenance Shop were removed during the building demolition. The Subject Property has remained vacant since 2012.

Three underground storage tanks (USTs) were located on the northeastern portion of the Subject Property and included one 3,000-gallon gasoline UST; one 3,000-gallon diesel fuel UST; and one waste-oil UST. These USTs were removed in the late 1980s. Two USTs were installed in the early 1990s and located in the parking lot northeast of the Organizational Maintenance Shop and included one 1,000-gallon gasoline and one 4,000-gallon diesel fuel UST. These USTs were removed in 2007 and the Los Angeles County Department of Public Works (LACDPW) issued a "no further action" letter dated January 7, 2009.

Stantec was provided with an excerpt from a Phase II Site Investigation Report, dated August 27, 2014, prepared by Avocet Environmental, Inc (Avocet). According to this excerpt, Avocet collected and analyzed 40 soil samples from 12 borings drilled to 6 or 15 feet below ground surface (bgs) on the Property. All of the soil samples collected from these borings were analyzed for total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs) and select samples were analyzed for semi-VOCs, polychlorinated biphenyls (PCBs), and/or California Code of Regulations (CCR) Title 22 Metals. Also, based on past agricultural use of the Subject Property, selected shallow soil samples were also analyzed for organochlorine pesticides (OCPs). Soil vapor samples were also collected from 5 and 15 feet bgs in 3 of the 12 borings and analyzed for VOCs. The results are summarized below, which were based on then-present (2014) commercial use screening levels:

- TPH was reported in 8 of the 40 soil samples with maximum concentrations of diesel (TPHd) at 180 milligram per kilogram (mg/kg) and oil (TPHo) at 550 mg/kg. Seven of the eight TPH detections were localized to the 2-foot interval with only one detection collected at 5-feet bgs. These TPHd and TPHo concentrations are below the regulatory guidance standards, which are 1,000 and 10,000 mg/kg, respectively. Therefore, no additional investigation was warranted.

- VOCs were reported in 16 of the 40 soil samples at concentrations several orders of magnitude lower than their corresponding regulatory screening level, such that no further investigation was warranted.

- Only one SVOC (pyrene) was reported in a 2-foot sample at 1.1 mg/kg, which is several orders of magnitude lower than their corresponding regulatory screening level, such that no further investigation was warranted.

- Title 22 metals were detected in 8 of the soil samples analyzed at concentrations below their corresponding regulatory screening levels with the exception of the 2-foot sample from SB-8 near the corroded drain inlet in the northwest corner of the former Organizational Maintenance Shop. From this location, cadmium was detected at 6.79 mg/kg and lead was detected at 355 m/kg which exceed their corresponding CHSSL residential screening levels of 1.7 and 320 mg/kg, respectively. However, these detections of cadmium and lead were below their residential RSLs of 70 and 400 mg/kg, respectively.

- None of the five samples analyzed had any concentrations of PCBs above the laboratory reporting limit (*i.e.*, the results were “non-detect”).

- One of the three soil samples analyzed for organochlorine pesticides had a minor detection of 4,4-DDE at 0.370 mg/kg, which is well below the regulatory screening level of 1.6 mg/kg.

- Three of the six soil vapor samples had trace concentrations of VOCs below their residential CHHSLs with the exception of the 5- and 15-feet bgs samples from boring SV-8 near the corroded drain inlet in the former battery room inside the Organizational Maintenance Shop, The analytical results for these samples reported ethylbenzene concentrations that were 6.5 and 2.2 micrograms per liter (ug/L) from the 5 and 15-foot interval and exceed the residential CHHSL of 0.42 ug/L.

Based on the analytical results, Avocet concluded that the subsurface environmental impacts appeared to be minimal and that no additional assessment appeared to be warranted with the exception of the exceedances of cadmium and lead in shallow soil around the corroded drain inlet in the northwest corner of the former Organizational Maintenance Shop and ethylbenzene soil vapor detections near the corroded drain inlet in the former battery room inside the Organizational Maintenance Shop. Avocet stated that the small and localized volume of metal-impacted soil is unlikely to post a health risk to construction workers or future users of the Subject Property.

The Phase I Environmental Site Assessment prepared by Stantec, dated August 17, 2023, identified the following recognized environmental conditions (RECs), Controlled RECs (CRECs), and/or significant data gaps in connection with the Subject Property:

- The assessment data collected by Avocet was based on continued commercial use of the Subject Property. The cleanup levels noted above do not reflect a residential use condition, which would require significantly lower levels of VOCs and metals to be present to render the property safe for this use. In addition, no laboratory analytical reports, laboratory reporting limits, or details regarding the soil vapor probe construction were provided. Based on a review of the boring locations selected by Avocet, data gaps exist in the assessment locations and with respect to the depths of sample collection. Therefore, Stantec believes further soil and soil vapor data is necessary for adequate characterization of the Subject Property, in light of the contemplated residential use. Accordingly, Stantec recommends performing a comprehensive soil and soil vapor survey on the Subject Property to determine whether residual contaminant concentrations meet applicable regulatory thresholds for residential use.

To address the potential environmental concerns discussed above, Stantec performed a Phase II ESA, which consisted of soil and soil vapor assessment on the Subject Property, between September 7 and 11, 2023. The scope of work performed included the advancement of ten (10) soil borings (SB-1 through SB-10) to approximately 15.5 feet below ground surface (bgs). Soil vapor probes were set in all ten soil borings at 15-feet bgs. All work was conducted under the direct oversight of a State of California professional Geologist.

Soil samples were collected at 1.0, 5.0, 10.0, and 15.0 feet bgs from each boring for potential laboratory analysis of TPH by United Sates Environmental Protection Agency (EPA) Method 8015; VOCs by EPA Method 8260. Soil boring SB-10 was advanced near the corroded drain inlet in the northwest corner of the former Organizational Maintenance Shop. Soil samples were collected at 1.0, 5.0, 10.0, and 15.0 feet bgs from this boring and submitted for lead and cadmium analysis by EPA Method 6010B.

There were no reported concentrations of TPH gasoline range organics (GRO) or VOCs above the laboratory reporting limits (*i.e.*, the results were “non-detect”) in any of the soil samples collected. Minor detections of TPH as diesel range organics (DRO) and oil range organics (ORO) were reported in three of the 20 soil samples below their corresponding regulatory screening levels for residential land use of 260 and 12,000 mg/kg, respectively. Lead was reported in soil boring SB-10, near the corroded drain, at concentrations ranging from 1.2 to 13.0 mg/kg which is below the residential screening level of 80 mg/kg.

Cadmium was detected in soil boring SB-10 at concentrations ranging from 1.4 to 2.6 mg/kg which is below the residential screening level of 5.2 mg/kg.

Tetrachloroethene (PCE) was detected in one of the 10 soil vapor samples (SB-2-5) at 20 micrograms per cubic meter (ug/m^3) which is slightly above the residential screenings level of 15.3 ug/m^3 when applying the most conservative attenuation factor (AF) of 0.003, which is not a regulatory standard or cleanup standard but which is sometimes referenced for screening purposes. PCE was not detected in the deeper soil vapor sample from this boring (SB-2-15), or from any other location on the Property, above the laboratory detection level of 6.5 ug/m^3 (i.e. 'non-detect"). Low concentrations of toluene, trichlorotrifluoromethane, and carbon disulfide were detected in five of the 10 soil vapor samples, but at levels significantly below their corresponding residential screenings levels when applying the most conservative AF of 0.003.

Based on the soil and soil vapor sample results, as discussed in further detail in the body of this report, the former subsurface features and former operations associated with the former armory do not represent a REC to the Subject Property and Stantec recommends no further investigation regarding any of these issues. The cadmium and lead impacts previously identified by Avocet near the corroded drain inlet in the northwest corner of the former Organizational Maintenance Shop appear to be very localized, and are considered *de minimis* in extent. These lead and cadmium impacts to soil in this area should be removed from the Property prior to redevelopment activities, without the need for regulatory oversight (given the limited nature of the excavation).

Based on the information in this report, and on the prior Phase I ESA, Stantec identifies no Recognized Environmental Conditions in connection with the Subject Property, and recommends no further action or investigation regarding the environmental condition of the Property.

2.0 INTRODUCTION

On behalf of Borstein Enterprises, Stantec Consulting Services Inc. (Stantec) has prepared this Phase II Environmental Site Assessment (ESA) report for the property located at 2320 North Parmelee Avenue, City of Compton, County of Los Angeles, California (the Site or Property; Figure 1).

2.1 PROPERTY DESCRIPTION AND LAND USE

The Subject Property consists of approximately 4.59 acres of land formerly occupied by the California Air and Army National Guard for an armory, warehouse, vehicle maintenance, and headquarter office with dining hall. At the time of Stantec's site reconnaissance, only the building foundations remained. Uses of the adjoining properties, as well as the nearby area, include residential use, the Centennial High School and, to the east, additional schools. The easternmost 50 feet of the Subject Property consists of the Los Angeles County Flood Control District easement. A Subject Property Location Map is provided as Figure 1. A Subject Property Vicinity Map illustrating the main features of the Subject Property and vicinity is provided as Figure 2.

2.2 PROPERTY GEOLOGY AND HYDROGEOLOGY

The Subject Property is located in Los Angeles County. According to information obtained from a facility located approximately 2,700 feet to the south, the vicinity of the Subject Property is underlain with Recent Alluvium consisting mainly of gravel, sand, silt, and clay (Geotracker, 2020).

According to the *Geotechnical Investigation* prepared by GeoCon West, Inc., dated March 16, 2018, the Subject Property is underlain by artificial fill (silty, sandy silt, and silty sand) to a maximum depth of 3 feet below ground surface (bgs) beyond which is Holocene age alluvium primarily consisting of sand, silt, and clay.

The closest mapped fault is the Newport-Inglewood Fault Zone located approximately 0.9 mile west of the Subject Property (CGS, 2010). According to official maps of California, the Subject Property is not located within an Alquist-Priolo (AP) Earthquake Fault Zone boundary(CGS, 2019).

The Subject Property is located within the Coastal Plain of Los Angeles Central Groundwater Basin (4-011.04). The "Central Basin" is bounded on the north by a surface divide called the La Brea high; on the northeast and east by emergent less permeable Tertiary rocks of the Elysian, Repetto, Merced, and Puente Hills; and the southwest by the Newport Inglewood fault system and the associated folded rocks of the Newport Inglewood uplift. The southeast boundary roughly follows the Coyote Creek.

According to information obtained from Geotechnical Report, depth to groundwater at the Subject Property was reported between 43 and 46 feet bgs. Groundwater flow direction is assumed to following the regional topography to the east.

3.0 BACKGROUND INFORMATION

The Subject Property consists of approximately 4.59 acres of land formerly occupied by the California Air and Army National Guard for an armory, warehouse, vehicle maintenance, and headquarter office with dining hall. At the time of Stantec's site reconnaissance, only the building foundations remained. Uses of the adjoining properties, as well as the nearby area, include residential use, the Centennial High School and, to the east, additional schools. The easternmost 50 feet of the Subject Property consists of the Los Angeles County Flood Control District easement. A Subject Property Location Map is provided as Figure 1. A Subject Property Vicinity Map illustrating the main features of the Subject Property and vicinity is provided as Figure 2.

Based on a review of historical documents including aerial photographs and regulatory records, the Subject Property was formerly used for light agricultural purposes (*i.e.*, dry land farming, which does not typically implicate the historical use of pesticides or herbicides) until circa 1950, when it was developed as the California Air National Guard and included the headquarters building, a small warehouse, and vehicle maintenance building (Organizational Maintenance Shop); with a dining hall added to the Subject Property in 1955; two equipment storage buildings added in the early 1960s; and a communications security vault structure added in the late 1960s.

The Subject Property was transferred to the California Army National Guard in 1985 for use as an armory and vehicle maintenance shop; however, there is no indication that weapons or ammunition were stored on the Subject Property. The California Army National Guard ceased operations in 2006. The aboveground structures were demolished in 2013, with only concrete foundations remaining. The hydraulic lifts and clarifier in the former Organizational Maintenance Shop were removed during the building demolition. The Subject Property has remained vacant since 2012.

Three underground storage tanks (USTs) were located on the northeastern portion of the Subject Property and included one 3,000-gallon gasoline UST; one 3,000-gallon diesel fuel UST; and one waste-oil UST. These USTs were removed in the late 1980s. Two USTs were installed in the early 1990s and located in the parking lot northeast of the Organizational Maintenance Shop and included one 1,000-gallon gasoline and one 4,000-gallon diesel fuel UST. These USTs were removed in 2007 and the Los Angeles County Department of Public Works (LACDPW) issued a "no further action" letter dated January 7, 2009.

Stantec was provided with an excerpt from a Phase II Site Investigation Report, dated August 27, 2014, prepared by Avocet Environmental, Inc (Avocet). According to this excerpt, Avocet collected and analyzed 40 soil samples from 12 borings drilled to 6 or 15 feet below ground surface (bgs) on the Property. All of the soil samples collected from these borings were analyzed for total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs) and select samples were analyzed for semi-VOCs, polychlorinated biphenyls (PCBs), and/or California Code of Regulations (CCR) Title 22 Metals. Also, based on past agricultural use of the Subject Property, selected shallow soil samples were also analyzed for organochlorine pesticides (OCPs). Soil vapor samples were also collected from 5 and 15 feet bgs in 3 of the 12 borings and analyzed for VOCs. The results are summarized below, which were based on then-present (2014) commercial use screening levels:

- TPH was reported in 8 of the 40 soil samples with maximum concentrations of diesel (TPHd) at 180 milligram per kilogram (mg/kg) and oil (TPHo) at 550 mg/kg. Seven of the eight TPH detections were localized to the 2-foot interval with only one detection collected at 5-feet bgs. These TPHd and TPHo concentrations are below the regulatory guidance standards, which are 1,000 and 10,000 mg/kg, respectively. Therefore, no additional investigation was warranted.

- VOCs were reported in 16 of the 40 soil samples at concentrations several orders of magnitude lower than their corresponding regulatory screening level, such that no further investigation was warranted.

- Only one SVOC (pyrene) was reported in a 2-foot sample at 1.1 mg/kg, which is several orders of magnitude lower than their corresponding regulatory screening level, such that no further investigation was warranted.

- Title 22 metals were detected in 8 of the soil samples analyzed at concentrations below their corresponding regulatory screening levels with the exception of the 2-foot sample from SB-8 near the corroded drain inlet in the northwest corner of the former Organizational Maintenance Shop. From this location, cadmium was detected at 6.79 mg/kg and lead was detected at 355 m/kg which exceed their corresponding CHSSL residential screening levels of 1.7 and 320 mg/kg, respectively. However, these detections of cadmium and lead were below their residential RSLs of 70 and 400 mg/kg, respectively.

- None of the five samples analyzed had any concentrations of PCBs above the laboratory reporting limit (*i.e.*, the results were “non-detect”).

- One of the three soil samples analyzed for organochlorine pesticides had a minor detection of 4,4-DDE at 0.370 mg/kg, which is well below the regulatory screening level of 1.6 mg/kg.

- Three of the six soil vapor samples had trace concentrations of VOCs below their residential CHHSLs with the exception of the 5- and 15-feet bgs samples from boring SV-8 near the corroded drain inlet in the former battery room inside the Organizational Maintenance Shop, The analytical results for these samples reported ethylbenzene concentrations that were 6.5 and 2.2 micrograms per liter (ug/L) from the 5 and 15-foot interval and exceed the residential CHHSL of 0.42 ug/L.

Based on the analytical results, Avocet concluded that the subsurface environmental impacts appeared to be minimal and that no additional assessment appeared to be warranted with the exception of the exceedances of cadmium and lead in shallow soil around the corroded drain inlet in the northwest corner of the former Organizational Maintenance Shop and ethylbenzene soil vapor detections near the corroded drain inlet in the former battery room inside the Organizational Maintenance Shop. Avocet stated that the small and localized volume of metal-impacted soil is unlikely to post a health risk to construction workers or future users of the Subject Property.

The Phase I Environmental Site Assessment prepared by Stantec, dated August 17, 2023, identified the following recognized environmental conditions (RECs), Controlled RECs (CRECs), and/or significant data gaps in connection with the Subject Property:

- The assessment data collected by Avocet was based on continued commercial use of the Subject Property. The cleanup levels noted above do not reflect a residential use condition, which would require significantly lower levels of VOCs and metals to be present to render the property safe for this use. In addition, no laboratory analytical reports, laboratory reporting limits, or details regarding the soil vapor probe construction were provided. Based on a review of the boring locations selected by Avocet, data gaps exist in the assessment locations and with respect to the depths of sample collection. Therefore, Stantec believes further soil and soil vapor data is necessary for adequate characterization of the Subject Property, in light of the contemplated residential use. Accordingly, Stantec recommends performing a comprehensive soil and soil vapor survey on the Subject Property to determine whether residual contaminant concentrations meet applicable regulatory thresholds for residential use.

The completed assessment to address these concerns is presented in the following Sections of this report.

4.0 FIELD INVESTIGATION

Prior to the commencement of fieldwork activities, Stantec made the following preparations.

4.1 PRE-DRILLING ACTIVITIES

- Stantec visited the Property to mark the proposed boring locations. Subsequent to the marking, underground Service Alert (USA) was notified at least 72-hours prior to the commencement of drilling activities; and
- In accordance with federal Occupational Safety and Health Administration (OSHA) regulations (29 CFR, Section 1910.120), Stantec generated a site-specific Health and Safety Plan (HASP) for the Property. All Stantec personnel and subcontractors associated with the project were required to be familiar with and comply with all provisions of the HASP.

4.2 INVESTIGATION

To address the aforementioned potential environmental concerns, Stantec performed a Phase II ESA that consisted of soil and soil vapor assessment on the Subject Property between September 7 and 11, 2023. The scope of work performed included the advancement of ten (10) soil borings (SB-1 through SB-10) to approximately 15.5 feet below ground surface (bgs). Soil vapor probes were set in all ten soil borings at 15-feet bgs. All work was conducted under the direct oversight of a State of California professional.

4.2.1 Soil Boring and Sampling Procedures

All soil samples obtained by advancement of a hand auger and direct push drill rig to the corresponding terminal depths as noted above were submitted to the laboratory under chain of custody. At each soil sample depth the soil sample was collected by discharging the soil in the hand auger cutter head from the specified depth directly into pre-cleaned laboratory-provided eight-ounce glass jars with Teflon®-lined lids. The soils from each of the borings were visually examined by Stantec field personnel who classified the soils in accordance with the Unified Soil Classification System (USCS).

Following classification, the soil samples were carefully packaged for chemical analysis. All sample containers were labeled with the appropriate identification information (boring number, sample depth, sample collection date, and sample collection time).

4.2.2 Soil Vapor Sampling

Subsurface soil vapor sampling was performed in accordance with the July 2015 Department of Toxic Substances Control (DTSC) "Advisory - Active Soil Gas Investigations" (DTSC Advisory).

Following the advancement of each boring, the sample probes were constructed with a 10-inch sampling screen set across the sampling interval. Each of the sampling screens were connected to the ground surface via dedicated Nylaflow ® nylon tubing. The annulus around the exposed probe tip was backfilled with a silica sand filter pack to an elevation of about six inches above the sampling screen. Above the filter pack, a 6 to 12-inch transition zone was constructed using dry bentonite granules. From that point to ground surface, hydrated bentonite granules were utilized to seal the annular space. At the surface, the exposed nylon tubing was capped with tight fitting plastic endcaps and labeled to indicate sampling depth. The soil vapor sample probes were allowed to equilibrate for a minimum of 48 hours prior to leak testing and sample collection.

Prior to vapor sample collection from each probe, a shut-in test was performed that consisted of an above-ground apparatus of valves, line, and fitting located downstream from the top of the probe. The line was evacuated to a measured vacuum and the vacuum was shut in with closed valves on opposite ends of the sampling train. A vacuum gauge connected to the line was observed for any signs of a loss in vacuum.

As specified in the DTSC Advisory a default purge of 3 volumes of the sampling system was performed prior to sample collection. This process included purging the sampling system (tubing, sample screen, and void space of sand pack and dry bentonite) using a flow rate between 100 and 200 milliliters per minute (ml/min) while maintaining a low vacuum of 100 inches of water or less. The soil vapor samples were collected by the onsite mobile laboratory chemist using glass bulbs for chemical analysis with the same flow rate used during purging. One duplicate sample was collected and analyzed. All vapor samples collected were analyzed for VOCs by EPA Method 8260b.

During soil vapor sampling a leak check was performed using isopropanol (IPA) as the tracer compound. The tracer compound was applied to a clean rag and situated around the sampling point and fittings to evaluate seal integrity. Seal integrity was confirmed by the absence of the tracer compound in the collected samples.

4.2.3 Field Equipment Cleaning Procedures

To maintain quality control during drilling operations, the hand auger and soil sampling equipment were decontaminated using a triple bucket rinse. Prior to drilling at a given location or sampling interval, all equipment coming in direct contact with soil samples was scrubbed with an Alconox scrub solution followed by a clean tap water rinse and then a final distilled water rinse.

5.0 LABORATORY TESTING

All soil chemical analysis was performed at State of California Certified Laboratories. Collected soil samples were analyzed at Jones Environmental Laboratory (Jones) located in Santa Fe Springs, California. All samples were managed under strict chain-of-custody. The results are discussed below, and soil results are presented on Table 1. Complete laboratory reports, including QA/QC documentation is included in Appendix A.

Soil samples were collected at 1.0, 5.0, 10.0, and 15.0 feet bgs from each boring for potential laboratory analysis of total petroleum hydrocarbons (TPH) by EPA Method 8015; volatile organic compounds (VOCs) by EPA Method 8260. Additionally, one of the ten borings (SB-10) was advanced near the corroded drain inlet in the northwest corner of the former Organizational Maintenance Shop. Soil samples were collected at 1.0, 5.0, 10.0, and 15.0 feet bgs from this boring and submitted for lead and cadmium analysis by EPA Method 6010B.

Soil vapor samples collected during this investigation were analyzed for VOCs by USEPA Test Method 8260B by an on-site mobile laboratory operated by A&R Laboratories (ARL), based in Ontario, California. Additionally, soil vapor samples were analyzed by oxygen content by ASTM test method 1946D. All samples collected during this investigation were transported under chain-of-custody protocols and analyzed by certified for hazardous waste testing by the California State Water Resources Control Board Environmental Laboratory Accreditation Program (ELAP). Complete laboratory reports, including QA/QC documentation is included in Appendix A.

6.0 INVESTIGATION RESULTS

6.1 FIELD OBSERVATIONS

On September 7, 2023, Stantec personnel performed the advancement of ten soil borings at the Property. Soils encountered during this round of assessment consisted of brown, dark brown, olive brown, and greyish brown sand with some sand and silt. No staining or odor was observed in any of the borings advanced during this assessment. All boring locations are depicted on **Figure 2**.

6.2 ANALYTICAL RESULTS

Laboratory analytical test results from this assessment are attached as **Appendix A**. A summary of the analytical data from this assessment is provided in **Tables 1 and 2**. All soil concentrations are reported and discussed in units of milligrams per kilogram (mg/kg). The laboratory test results from this investigation are discussed below and were compared to the most conservation between the United States Environmental Protection Agency (USEPA) Regional Screening Level (RSL) and Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Note 3 residential screening levels.

Soil vapor data from this phase of investigation were compared to the more conservative value between the DTSC HERO Note 3 and USEPA (RSLs) for residential sites, using both the official attenuation factor (AF) of 0.001 and the screening-level/guidance AF of 0.03. All soil vapor probe locations from this assessment are presented on Figure 2.

Laboratory analytical test results from this assessment are attached as Appendix A.

6.2.1 Soil Analytical Results

There were no reported concentrations of TPH gasoline range organics (GRO) or VOCs above the laboratory reporting limits (i.e. “non-detect”) in any of the soil samples collected. Minor detections of TPH as diesel range organics (DRO) and oil range organics (ORO) were reported in three of the 20 soil samples below their corresponding regulatory screening levels for residential land use of 260 and 12,000 mg/kg, respectively. Lead was reported in soil boring SB-10, near the corroded drain, at concentrations ranging from 1.2 to 13.0 mg/kg which is below the residential screening level of 80 mg/kg. Cadmium was detected in soil boring SB-10 at concentrations ranging from 1.4 to 2.6 mg/kg which is below the residential screening level of 5.2 mg/kg.

6.2.2 Soil Vapor Analytical Results

Laboratory analytical test results from this assessment are attached as Appendix A. The laboratory test results from this phase of investigation were compared to the more conservative value between the Department of Toxic Substance Control (DTSC) HERO Note 3 screening level for residential sites (DTSC, 2022), and the United States Environmental Protection Agency (USEPA) Regional Screening Levels

(RSLs) for residential sites (USEPA, 2021), using both the official attenuation factor (AF) of 0.001 and the screening-level/guidance AF of 0.03. All soil vapor probe locations from this assessment are presented on Figure 2.

Tetrachloroethene (PCE) was detected in one of the 10 soil vapor samples (SB-2-5) at 20 micrograms per cubic meter (ug/m^3) which is slightly above the residential screenings level of 15.3 ug/m^3 when applying the most conservative attenuation factor (AF) of 0.003. PCE was not detected in the deeper soil vapor sample from this boring (SB-2-15), or any other location on the Property, above the laboratory detection level of 6.5 ug/m^3 (i.e. 'non-detect"). Low concentrations of toluene, trichlorotrifluoromethane, and carbon disulfide were detected in five of the 10 soil vapor samples, but at levels significantly below their corresponding residential screenings levels when applying the most conservative AF of 0.003.

Based on these results, the PCE detection in the shallow soil vapor probe in SB-2 is considered an isolated area and a *de minimis* condition.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the soil and soil vapor sample results, the former subsurface features and former operations associated with the former armory do not represent a REC to the Subject Property and warrant no further assessment. Accordingly, Stantec identifies no RECs in connection with the Property.

The cadmium and lead impacts previously identified by Avocet near the corroded drain inlet in the northwest corner of the former Organizational Maintenance Shop appear to be very localized, and are considered *de minimis* in extent. These lead and cadmium impacts to soil in this area should be removed from the Property prior to redevelopment activities.

8.0 LIMITATIONS

The conclusions presented in this report are professional opinions based on data described in this report. The opinions of this report have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location and are subject to the following inherent limitations. Stantec makes no other warranty, either expressed or implied, concerning the conclusions and professional advice that is contained within the body of this report.

Inherent in most projects performed in a heterogeneous subsurface environment, continuing excavation and assessments may reveal findings that are different than those presented herein. This facet of the environmental profession should be considered when formulating professional opinions on the limited data collected on these projects.

This report has been issued with the clear understanding that it is the responsibility of the owner, or their representative, to make appropriate notifications to regulatory agencies. It is specifically not the responsibility of Stantec to conduct appropriate notifications as specified by current County and State regulations.

The information presented in this report is valid as of the date our exploration was performed. Site conditions may degrade with time; consequently, the findings presented herein are subject to change. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the Master Services Agreement between Stantec and the client (the “MSA”), the MSA shall control.

9.0 REFERENCES

Department of Toxic Substances and Control, Human and Ecological Risk Office (HERO), Human Health Risk Assessment (HHRA) Note Number: 3, DTSC-modified Screening Levels (DTSC-SLs), dated June 2020.

Environmental Data Resources, Inc. (EDR), 2020, EDR Radius Map with Geocheck, Inquiry Number 7407026.2s, dated August 3, 2023.

_____, Certified Sanborn Map Report, Inquiry Number 7407026.3, dated August 2, 2023.

_____, Historical Topographic Map Report, Inquiry Number 7407026.4, dated August 2, 2023

_____, Aerial Photo Decade Package, Inquiry Number 7407026.8, dated August 3, 2023.

_____, City Directory Abstract, Inquiry Number 7407026.5, dated August 3, 2023.

Stantec Consulting Services Inc., 2023, Phase I Environmental Site Assessment, dated August 17.

State Water Resource Control Board’s Geotracker, 2023, website https://geotracker.waterboards.ca.gov/

United Stated Environmental Protection Agency, 2022, Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1), dated May.

TABLES

Table 1
Summary of Soil Analytical Results - Total Petroleum Hydrocarbons and Volatile Organic Compounds
2320 North Parmelee Avenue
Compton, California

Stantec Project Number: 185806175

Sample ID	Sample Depth (feet)	Sample Date	Petroleum Hydrocarbons by 8015			VOC by 8260				
			GRO	DRO	ORO	Benzene	Ethylbenzene	PCE	TCE	Other VOCs
Residential Screening Levels [(1) (2)]			*430*	*260*	*12,000*	*0.33*	*5.8*	*0.59*	*0.94*	*Various*
Protection of Groundwater [(3)]			*1,100*	*1,100*	*--*	*0.025*	*0.43*	*0.080*	*0.085*	*varies*
SB-1-5	5	9/7/2023	<0.20	<1.0	<1.0	<0.001	<0.001	<0.001	<1.0	<varies
SB-1-15	15	9/7/2023	<0.20	<1.0	<1.0	<0.001	<0.001	<0.001	<1.0	<varies
SB-2-5	5	9/7/2023	<0.20	**86.1**	**2,150**	<0.001	<0.001	<0.001	<1.0	<varies
SB-2-15	15	9/7/2023	<0.20	<1.0	<1.0	<0.001	<0.001	<0.001	<1.0	<varies
SB-3-5	5	9/7/2023	<0.20	<1.0	<1.0	<0.001	<0.001	<0.001	<1.0	<varies
SB-3-15	15	9/7/2023	<0.20	<1.0	<1.0	<0.001	<0.001	<0.001	<1.0	<varies
SB-4-5	5	9/7/2023	<0.20	**29.7**	**342**	<0.001	<0.001	<0.001	<1.0	<varies
SB-4-15	15	9/7/2023	<0.20	<1.0	<1.0	<0.001	<0.001	<0.001	<1.0	<varies
SB-5-5	5	9/7/2023	<0.20	<1.0	<1.0	<0.001	<0.001	<0.001	<1.0	<varies
SB-5-10	10	9/7/2023	<0.20	<1.0	<1.0	<0.001	<0.001	<0.001	<1.0	<varies
SB-6-5	5	9/7/2023	<0.20	**24.0**	**338**	<0.001	<0.001	<0.001	<1.0	<varies
SB-6-15	15	9/7/2023	<0.20	<1.0	<1.0	<0.001	<0.001	<0.001	<1.0	<varies
SB-7-5	5	9/7/2023	<0.20	<1.0	<1.0	<0.001	<0.001	<0.001	<1.0	<varies
SB-7-10	10	9/7/2023	<0.20	<1.0	<1.0	<0.001	<0.001	<0.001	<1.0	<varies
SB-8-5	5	9/7/2023	<0.20	<1.0	<1.0	<0.001	<0.001	<0.001	<1.0	<varies
SB-8-15	15	9/7/2023	<0.20	<1.0	<1.0	<0.001	<0.001	<0.001	<1.0	<varies
SB-9-5	5	9/7/2023	<0.20	<1.0	<1.0	<0.001	<0.001	<0.001	<1.0	<varies
SB-9-10	10	9/7/2023	<0.20	<1.0	<1.0	<0.001	<0.001	<0.001	<1.0	<varies

Notes:

All concentrations reported in milligrams per kilogram (mg/kg).

(1) - More conservative screening level between USEPA Region 9 RSL (2023) and DTSC HERO Note 3 (2022)

(2) - SFBRWQCB ESL used for TPH screening levels (2019, Rev. 2)

(3) - SFBRWQCB ESLs, Leaching to Groundwater Levels (Table S-3).

BOLD Denotes analyte was detected above the laboratory reporting limit

< - Denotes analyte was not detected above the laboratory reporting limit

Green shading indicates value above groundwater protection criteria.

Abbreviations:

DRO - Diesel Range Organic
DTSC - Department of Toxic Substance Control
ESL - Environmental Screening Levels
HERO HHRA - Human and Ecological Risk Office Human Health Risk Assessment
GRO - Gasoline Range Organic
MTBE - methyl-tertiary butyl ether
NA - Not Analyzed
NE - Not Established
ORO - Oil Range Organic
PAH - Poly Aromatic Hydrocarbons
RSL - Regional Screening Level
SFBRWQCB - San Francisco Bay Regional Water Quality Control Board
USEPA - United States Environmental Protection Agency
VOC - Volatile Organic Compounds

Table 2
Summary of Soil Analytical Results - Lead and Cadmium
2320 North Parmelee Avenue
Compton, California

Sample ID	Sample Depth [1]	Sample Date	Metals [2]	
			Cadmium	Lead
Residential Land Use Screening Levels [3]			***5.2***	***80***
California Background Levels Range [4]			***0.05-1.70***	***12.4-97.1***
SB-10-1	1	9/7/2023	**1.9**	**13.0**
SB-10-5	5	9/7/2023	**2.0**	**2.7**
SB-10-10	10	9/7/2023	**1.4**	**1.2**
SB-10-15	15	9/7/2023	**2.6**	**3.8**

All concentrations reported in milligram per kilogram (mg/kg)

(1) Depth reported in feet below ground surface

(2) Analyses performed by USEPA test method 6010B.

(3) More conservative screening level between USEPA Region 9 RSL (2023) and DTSC HERO Note 3 (2022).

(4) Bradford et al., UCR and DTSC, Background Concentrations of Trace and Major Elements in California Soils, March 1996.

< - Denotes the analyte was not detected above the laboratory PQL

BOLD - Denotes the analyte was detected above the laboratory reporting limit.

Abbreviations:

DTSC - Department of Toxic Substances Control

HERO - Human and Ecologic Risk Office

RSL - Regional Screening Level

UCR - University California, Riverside

USEPA - United States Environmental Protection Agency

Table 3
Summary of Soil Vapor Analytical Results - Volatile Organic Compounds
2320 North Parmelee Avenue
Compton, California

Stantec Project Number: 185806175

Sample ID	Sample Depth (1)	Sample Date	TPH-GRO	Benzene	Carbon disulfide	Chloroform	Ethylbenzene	PCE	1,1-DCE	TCE	Toluene	m,p-Xylene	o-Xylene	Other VOCs
Residential Screening Level (0.03 AF)			***20,000 (3)***	***3.23***	***24,333***	***4.0***	***37***	***15.3***	***60***	***16.0***	***10,333***	***3,333***	***3,333***	***Varies***
Residential Risk Level (0.001 AF) (2)			***600,000 (3)***	***97***	***730,000***	***120***	***1,100***	***460***	***1,800***	***480***	***310,000***	***100,000***	***100,000***	***Varies***
SB-1-5	5	9/11/2023	NA	<3.1	<65.0	<1.0	<6.5	<6.5	<6.5	<6.5	**10**	<13.0	<6.5	<varies
SB-1-15	5	9/11/2023	NA	<3.1	<3.1	<1.0	<6.5	<6.5	<6.5	<6.5	**10**	<13.0	<6.5	<varies
SB-2-5	5	9/11/2023	NA	<3.1	<3.1	<1.0	<6.5	**20**	<6.5	<6.5	<6.5	<13.0	<6.5	**Trichlorotriflouromethane: 10**
SB-2-15	5	9/11/2023	NA	<3.1	<3.1	<1.0	<6.5	<6.5	<6.5	<6.5	<6.5	<13.0	<6.5	**Trichlorotriflouromethane: 30**
SB-3-5	5	9/11/2023	NA	<3.1	<65	<1.0	<6.5	<6.5	<6.5	<6.5	**10**	<13.0	<6.5	<varies
SB-3-15	15	9/11/2023	NA	<3.1	<65	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<13	<6.5	<varies
SB-4-5	5	9/11/2023	NA	<3.1	<65	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<13	<6.5	<varies
SB-4-15	15	9/11/2023	NA	<3.1	<65	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<13	<6.5	**Trichlorotriflouromethane: 20**
SB-5-5	5	9/11/2023	NA	<3.1	<65	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<13	<6.5	<varies
SB-5-15	15	9/11/2023	NA	<3.1	<65	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<13	<6.5	<varies
SB-6-5	5	9/11/2023	NA	<3.1	<65	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<13	<6.5	<varies
SB-6-15	15	9/11/2023	NA	<3.1	<65	<6.5	<6.5	<6.5	<6.5	<6.5	**10**	<13	<6.5	<varies
SB-7-5	5	9/11/2023	NA	<3.1	<65	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<13	<6.5	<varies
SB-7-15	15	9/11/2023	NA	<3.1	<65	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<13	<6.5	<varies
SB-7-15 DUP	15	9/11/2023	NA	<3.1	<65	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<13	<6.5	<varies
SB-8-5	5	9/11/2023	NA	<3.1	<65	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<13	<6.5	<varies
SB-8-15	15	9/11/2023	NA	<3.1	**70**	<6.5	<6.5	<6.5	<6.5	<6.5	**10**	<13	<6.5	<varies
SB-9-5	5	9/11/2023	NA	<3.1	<65	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<13	<6.5	<varies
SB-9-15	15	9/11/2023	NA	<3.1	<65	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<13	<6.5	<varies
SB-10-5	5	9/11/2023	NA	<3.1	<65	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<13	<6.5	<varies
SB-10-15	15	9/11/2023	NA	<3.1	<65	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<13	<6.5	<varies

Notes:

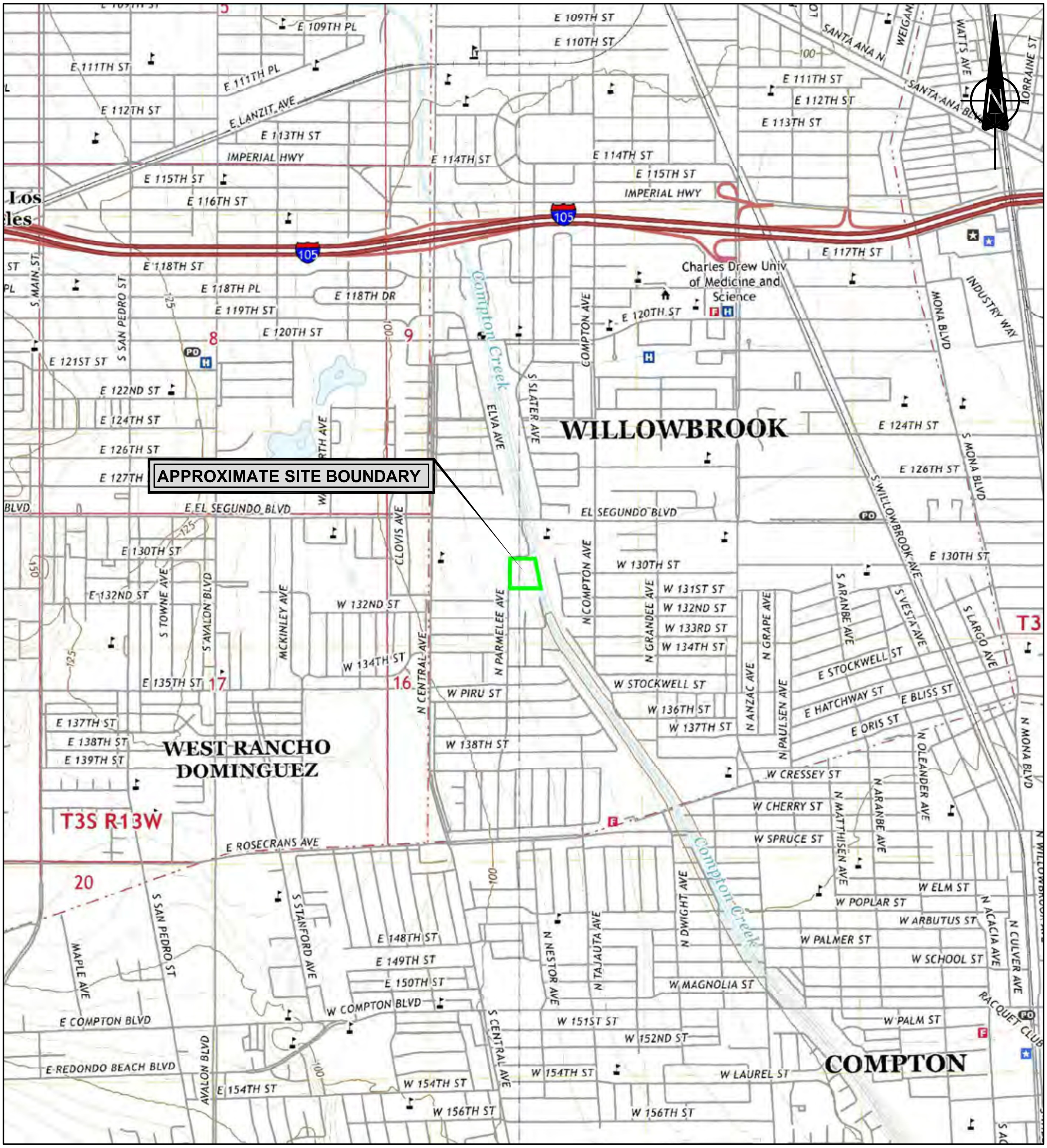
All concentrations reprted in microgramper cubic meter (µg/m^3)

J-flag concentrations are smmarized only for compounds where the MDL exceeds residential screening level. For full list of J-flag results, refer to laboratory analytical report.

(1) - Reported as feet below original grade.
(2) - More conservative screening level between USEPA Region 9 RSL (Nov, 2021) and DTSC HERO Note 3 (June 2020)
(3) - SFBRWQCB ESL used for TPH screening levels (2019, Rev. 2)
"<" - Results reported below Laboratory Reporting Limit.
AF - Attenuation Factor
CA EPA - California Environmental Protection Agency
DTSC - Department of Toxic Substance Control
EPA - United States Environmental Protection Agency
HERO - Human and Ecological Risk Office
"J" - Anayte detected above method detection limit, but below laoratory reporting limit
BOLD - Analyte detected above laboratory reportlining limit

NA - Not Analyzed
NE - Not Established
PCE - Tetrachloroethene
1,2,4-TMB - 1,2,4-Trimethylbenzene
1,3,5-TMB - 1,3,5-Trimethylbenzene
VOCs - Volatile Organic Compounds
(green) Indicates value above the residential screening level (0.03 AF)
(orange) Indicates value above the residential risk level (0.001)

FIGURES



0	2500	5000	7500 ft

SCALE : AS SHOWN

NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC SERVICES INC. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

SUBJECT PROPERTY LOCATION MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT

2320 NORTH PARMELEE AVENUE, COMPTON, CA 90222

Client: BORSTEIN ENTERPRISES

Project No.:	185806175
Scale:	AS SHOWN
Date:	23/08/11
Dwn. By:	CD OK SC2023080005
App'd By:	KE

Fig. No.: 1

Stantec

LEGEND

SUBJECT PROPERTY

0 100 200 300 400FT

SCALE : AS SHOWN

NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

SUBJECT PROPERTY DETAILS

PHASE I ENVIRONMENTAL SITE ASSESSMENT

2320 NORTH PARMELEE AVENUE, COMPTON, CA 90222

Client: BORSTEIN ENTERPRISES

Project No.:	185806175
Scale:	AS SHOWN
Date:	23/08/11
Dwn. By:	CD OK SC2023080006
App'd By:	KE

Fig. No.: 2

Stantec

APPENDIX A

Laboratory Analytical Report

A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
ONTARIO, CA 91761
909-781-6335
www.arlaboratories.com office@arlaboratories.com

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
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CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	Ken Zheng, President 09/12/2023 16:29:50
Laboratory Job No. (Certificate of Analysis No.)	2309-00041
Project Name / No.	2320 N. Parmelee Ave., Compton, CA 90222
Dates Sampled (from/to)	09/11/23 To 09/11/23
Dates Received (from/to)	09/11/23 To 09/11/23
Dates Reported (from/to)	09/12/23 To 9/12/2023
Chains of Custody Received	Yes

Comments:

Subcontracting

Organic Analyses

No analyses sub-contracted

Other Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

A & R Laboratories, Inc.

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 001 **SB-1-5** Date & Time Sampled: 09/11/23 @ 8:01
Sample Matrix: **Air**
Purge Volume Sampled: **3**

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
[Fixed Gases]													
Oxygen	**16.8**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 001 **SB-1-5** Date & Time Sampled: 09/11/23 @ 8:01
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	***0.010***	0.0065	0.013	µg/L	***10***	6.5	13	µg/m3	J	0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 001 **SB-1-5** Sample Matrix: **Air** Purge Volume Sampled: **3**											Date & Time Sampled: 09/11/23 @ 8:01		
.....continued													
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	112		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	113		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	90		70-130	%REC							EPA 8260B	09/11/23	IG
Sample: 002 **SB-1-15** Sample Matrix: **Air** Purge Volume Sampled: **3**											Date & Time Sampled: 09/11/23 @ 8:26		
[Fixed Gases]													
Oxygen	**17.0**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG

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Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 002 **SB-1-15** Date & Time Sampled: 09/11/23 @ 8:26
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 002 **SB-1-15** Date & Time Sampled: 09/11/23 @ 8:26
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	***0.010***	0.0065	0.013	µg/L	***10***	6.5	13	µg/m3	J	0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 002 **SB-1-15**											Date & Time Sampled:	09/11/23 @	8:26
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
[VOC Surrogates]													
Dibromofluoromethane	110		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	111		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	91		70-130	%REC							EPA 8260B	09/11/23	IG
Sample: 003 **SB-2-5**											Date & Time Sampled:	09/11/23 @	8:50
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[Fixed Gases]													
Oxygen	**13.5**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 003 **SB-2-5** Date & Time Sampled: 09/11/23 @ 8:50
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 003 **SB-2-5**											Date & Time Sampled:	09/11/23 @	8:50
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	**0.020**	0.0065	0.013	µg/L	**20**	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	***0.010***	0.0065	0.013	µg/L	***10***	6.5	13	µg/m3	J	0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	108		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	110		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	84		70-130	%REC							EPA 8260B	09/11/23	IG
Sample: 004 **SB-2-15**											Date & Time Sampled:	09/11/23 @	9:15
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[Fixed Gases]													
Oxygen	**15.4**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 004 **SB-2-15** Date & Time Sampled: 09/11/23 @ 9:15
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/12/23
Date Received 09/11/23
Invoice No. 99192
Cust # 1003
Permit Number
Customer P.O.

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 004 **SB-2-15** Date & Time Sampled: 09/11/23 @ 9:15
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

ARL

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 004 **SB-2-15**													
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
Date & Time Sampled: 09/11/23 @ 9:15													
.....continued													
Trichlorotrifluoroethane	**0.030**	0.0065	0.013	µg/L	**30**	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	111		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	110		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	85		70-130	%REC							EPA 8260B	09/11/23	IG
Sample: 005 **SB-3-5**													
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
Date & Time Sampled: 09/11/23 @ 9:39													
[Fixed Gases]													
Oxygen	**15.1**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 005 **SB-3-5** Date & Time Sampled: 09/11/23 @ 9:39
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 005 **SB-3-5** Date & Time Sampled: 09/11/23 @ 9:39
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	***0.010***	0.0065	0.013	µg/L	***10***	6.5	13	µg/m3	J	0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	112		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	110		70-130	%REC							EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 005 **SB-3-5** Sample Matrix: **Air** Purge Volume Sampled: **3** .....continued											Date & Time Sampled: 09/11/23 @ 9:39		
Bromofluorobenzene	89		70-130	%REC							EPA 8260B	09/11/23	IG
Sample: 006 **SB-3-15** Sample Matrix: **Air** Purge Volume Sampled: **3**											Date & Time Sampled: 09/11/23 @ 10:02		
[Fixed Gases]													
Oxygen	**16.1**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/12/23
Date Received 09/11/23
Invoice No. 99192
Cust # 1003
Permit Number
Customer P.O.

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 006 **SB-3-15** — Date & Time Sampled: 09/11/23 @ 10:02
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
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Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 006 **SB-3-15**													
Sample Matrix: **Air**								Date & Time Sampled: 09/11/23 @ 10:02					
Purge Volume Sampled: **3**													
.....continued													
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	111		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	109		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	85		70-130	%REC							EPA 8260B	09/11/23	IG
Sample: 007 **SB-4-5**													
Sample Matrix: **Air**								Date & Time Sampled: 09/11/23 @ 10:26					
Purge Volume Sampled: **3**													
[Fixed Gases]													
Oxygen	**17.2**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 007 **SB-4-5** Date & Time Sampled: 09/11/23 @ 10:26
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 007 **SB-4-5** Date & Time Sampled: 09/11/23 @ 10:26
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 007 **SB-4-5** Date & Time Sampled: 09/11/23 @ 10:26													
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	113		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	110		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	89		70-130	%REC							EPA 8260B	09/11/23	IG
Sample: 008 **SB-4-15** Date & Time Sampled: 09/11/23 @ 10:49													
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[Fixed Gases]													
Oxygen	**15.4**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 008 **SB-4-15** Date & Time Sampled: 09/11/23 @ 10:49
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/12/23
Date Received 09/11/23
Invoice No. 99192
Cust # 1003
Permit Number
Customer P.O.

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 008 **SB-4-15** Date & Time Sampled: 09/11/23 @ 10:49
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	**0.020**	0.0065	0.013	µg/L	**20**	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	111		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	110		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	88		70-130	%REC							EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 009 **SB-5-5**											Date & Time Sampled:	09/11/23 @ 11:12	
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[Fixed Gases]													
Oxygen	**12.9**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 009 **SB-5-5** Date & Time Sampled: 09/11/23 @ 11:12
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
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SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 009 **SB-5-5**											Date & Time Sampled:	09/11/23 @ 11:12	
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	111		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	110		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	86		70-130	%REC							EPA 8260B	09/11/23	IG
Sample: 010 **SB-5-15**											Date & Time Sampled:	09/11/23 @ 11:37	
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[Fixed Gases]													
Oxygen	**14.0**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/12/23
Date Received 09/11/23
Invoice No. 99192
Cust # 1003
Permit Number
Customer P.O.

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 010 **SB-5-15** Date & Time Sampled: 09/11/23 @ 11:37
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 010 **SB-5-15** Date & Time Sampled: 09/11/23 @ 11:37
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 010 **SB-5-15** Date & Time Sampled: 09/11/23 @ 11:37
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
[VOC Surrogates]													
Dibromofluoromethane	110		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	109		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	87		70-130	%REC							EPA 8260B	09/11/23	IG

Sample: 011 **SB-6-5** Date & Time Sampled: 09/11/23 @ 12:02
Sample Matrix: **Air**
Purge Volume Sampled: **3**

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
[Fixed Gases]													
Oxygen	**14.6**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/12/23
Date Received 09/11/23
Invoice No. 99192
Cust # 1003
Permit Number
Customer P.O.

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 011 **SB-6-5**
Sample Matrix: **Air**
Purge Volume Sampled: **3**
Date & Time Sampled: 09/11/23 @ 12:02

.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/12/23
Date Received 09/11/23
Invoice No. 99192
Cust # 1003
Permit Number
Customer P.O.

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 011 **SB-6-5**											Date & Time Sampled:	09/11/23 @	12:02
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	114		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	111		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	90		70-130	%REC							EPA 8260B	09/11/23	IG
Sample: 012 **SB-6-15**											Date & Time Sampled:	09/11/23 @	12:28
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[Fixed Gases]													
Oxygen	**10.7**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/12/23
Date Received 09/11/23
Invoice No. 99192
Cust # 1003
Permit Number
Customer P.O.

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 012 **SB-6-15**
Date & Time Sampled: 09/11/23 @ 12:28
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 012 **SB-6-15** Date & Time Sampled: 09/11/23 @ 12:28
Sample Matrix: **Air**

Purge Volume Sampled: **3**

.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	***0.010***	0.0065	0.013	µg/L	***10***	6.5	13	µg/m3	J	0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

ARL

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
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SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 012 **SB-6-15**											Date & Time Sampled:	09/11/23 @ 12:28	
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	110		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	110		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	88		70-130	%REC							EPA 8260B	09/11/23	IG
Sample: 013 **SB-7-5**											Date & Time Sampled:	09/11/23 @ 12:51	
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[Fixed Gases]													
Oxygen	**13.3**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 013 **SB-7-5** Date & Time Sampled: 09/11/23 @ 12:51
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 013 **SB-7-5** Date & Time Sampled: 09/11/23 @ 12:51
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	111		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	110		70-130	%REC							EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 013 **SB-7-5** Sample Matrix: **Air** Purge Volume Sampled: **3**												Date & Time Sampled: 09/11/23 @ 12:51	
.....continued													
Bromofluorobenzene	87		70-130	%REC							EPA 8260B	09/11/23	IG
Sample: 014 **SB-7-15** Sample Matrix: **Air** Purge Volume Sampled: **3**												Date & Time Sampled: 09/11/23 @ 13:14	
[Fixed Gases]													
Oxygen	**16.2**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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Date Reported	09/12/23
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Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 014 **SB-7-15** Date & Time Sampled: 09/11/23 @ 13:14
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 014 **SB-7-15**											Date & Time Sampled:	09/11/23 @ 13:14	
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	110		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	110		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	86		70-130	%REC							EPA 8260B	09/11/23	IG
Sample: 015 **SB-7-15-DUP**											Date & Time Sampled:	09/11/23 @ 13:14	
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[Fixed Gases]													
Oxygen	**16.1**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/12/23
Date Received 09/11/23
Invoice No. 99192
Cust # 1003
Permit Number
Customer P.O.

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 015 **SB-7-15-DUP** Date & Time Sampled: 09/11/23 @ 13:14
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/12/23
Date Received 09/11/23
Invoice No. 99192
Cust # 1003
Permit Number
Customer P.O.

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 015 **SB-7-15-DUP** Date & Time Sampled: 09/11/23 @ 13:14
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

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Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 015 **SB-7-15-DUP** Date & Time Sampled: 09/11/23 @ 13:14
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	109		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	109		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	85		70-130	%REC							EPA 8260B	09/11/23	IG

Sample: 016 **SB-8-5** Date & Time Sampled: 09/11/23 @ 14:07
Sample Matrix: **Air**
Purge Volume Sampled: **3**

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
[Fixed Gases]													
Oxygen	**13.6**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 016 **SB-8-5** Date & Time Sampled: 09/11/23 @ 14:07
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 016 **SB-8-5** Date & Time Sampled: 09/11/23 @ 14:07
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	108		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	110		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	90		70-130	%REC							EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 017 **SB-8-15** Date & Time Sampled: 09/11/23 @ 14:37
Sample Matrix: **Air**
Purge Volume Sampled: **3**

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
[Fixed Gases]													
Oxygen	**14.2**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	***0.070***	0.065	0.13	µg/L	***70***	65.0	130	µg/m3	J	0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 017 **SB-8-15** Date & Time Sampled: 09/11/23 @ 14:37
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	***0.010***	0.0065	0.013	µg/L	***10***	6.5	13	µg/m3	J	0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/12/23
Date Received 09/11/23
Invoice No. 99192
Cust # 1003
Permit Number
Customer P.O.

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 017 **SB-8-15** Sample Matrix: **Air** Purge Volume Sampled: **3**											Date & Time Sampled: 09/11/23 @ 14:37		
.....continued													
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	111		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	111		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	87		70-130	%REC							EPA 8260B	09/11/23	IG
Sample: 018 **SB-9-5** Sample Matrix: **Air** Purge Volume Sampled: **3**											Date & Time Sampled: 09/11/23 @ 15:03		
[Fixed Gases]													
Oxygen	**10.5**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 018 **SB-9-5** Date & Time Sampled: 09/11/23 @ 15:03
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/12/23
Date Received 09/11/23
Invoice No. 99192
Cust # 1003
Permit Number
Customer P.O.

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 018 **SB-9-5** — Date & Time Sampled: 09/11/23 @ 15:03
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
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Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 018 **SB-9-5** Sample Matrix: **Air** Purge Volume Sampled: **3**											Date & Time Sampled:	09/11/23	@ 15:03
.....continued													
[VOC Surrogates]													
Dibromofluoromethane	108		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	111		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	90		70-130	%REC							EPA 8260B	09/11/23	IG
Sample: 019 **SB-9-15** Sample Matrix: **Air** Purge Volume Sampled: **3**											Date & Time Sampled:	09/11/23	@ 15:33
[Fixed Gases]													
Oxygen	**10.0**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/12/23
Date Received 09/11/23
Invoice No. 99192
Cust # 1003
Permit Number
Customer P.O.

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 019 **SB-9-15** Date & Time Sampled: 09/11/23 @ 15:33
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

A & R Laboratories, Inc.

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 019 **SB-9-15** Sample Matrix: **Air** Purge Volume Sampled: **3**											Date & Time Sampled: 09/11/23 @ 15:33		
.....continued													
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	88		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	111		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	96		70-130	%REC							EPA 8260B	09/11/23	IG
Sample: 020 **SB-10-5** Sample Matrix: **Air** Purge Volume Sampled: **3**											Date & Time Sampled: 09/11/23 @ 15:55		
[Fixed Gases]													
Oxygen	**13.9**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													

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Date Received 09/11/23
Invoice No. 99192
Cust # 1003
Permit Number
Customer P.O.

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 020 **SB-10-5** Date & Time Sampled: 09/11/23 @ 15:55
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 020 **SB-10-5** Date & Time Sampled: 09/11/23 @ 15:55
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/12/23
Date Received 09/11/23
Invoice No. 99192
Cust # 1003
Permit Number
Customer P.O.

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 020 **SB-10-5** Sample Matrix: **Air** Purge Volume Sampled: **3**												Date & Time Sampled: 09/11/23 @ 15:55	
.....continued													
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	108		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	109		70-130	%REC							EPA 8260B	09/11/23	IG
Bromofluorobenzene	79		70-130	%REC							EPA 8260B	09/11/23	IG
Sample: 021 **SB-10-15** Sample Matrix: **Air** Purge Volume Sampled: **3**												Date & Time Sampled: 09/11/23 @ 16:17	
[Fixed Gases]													
Oxygen	**12.3**	0.25	0.50	%							ASTM D-1946	09/11/23	KZ
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromodichloromethane	<0.0052	0.0052	0.010	µg/L	<5.2	5.2	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 021 **SB-10-15** Date & Time Sampled: 09/11/23 @ 16:17
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloroform	<0.0026	0.0026	0.0052	µg/L	<2.6	2.6	5	µg/m3		0.13	EPA 8260B	09/11/23	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromoethane (EDB)	<0.0016	0.001625	0.013	µg/L	<1.6	1.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dibromo-3-	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG

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CERTIFICATE OF ANALYSIS

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/12/23
Date Received 09/11/23
Invoice No. 99192
Cust # 1003
Permit Number
Customer P.O.

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 021 **SB-10-15**
Date & Time Sampled: 09/11/23 @ 16:17
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	09/11/23	IG
4-Methyl-2-Pentanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Naphthalene	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
Vinyl Chloride	<0.0003	0.000312	0.0065	µg/L	<0.3	0.3	7	µg/m3		0.13	EPA 8260B	09/11/23	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	09/11/23	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Vapor Sampling													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	09/11/23	IG
[VOC Surrogates]													
Dibromofluoromethane	111		70-130	%REC							EPA 8260B	09/11/23	IG
Toluene-D8	109		70-130	%REC							EPA 8260B	09/11/23	IG

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Date Reported	09/12/23
Date Received	09/11/23
Invoice No.	99192
Cust #	1003
Permit Number	
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Sample: 021 **SB-10-15** Date & Time Sampled: 09/11/23 @ 16:17
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Bromofluorobenzene	84		70-130	%REC							EPA 8260B	09/11/23	IG

Respectfully Submitted:

Ken Zheng - President

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL
B1= BOD blank is over specifications . The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution
E = Estimated value
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference
J = Analyte concentration detected between RL and MDL

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit
MDL = Method Detection Limit
Qual = Qualifier
Tech = Technician

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QUALITY CONTROL DATA REPORT

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	**09/12/2023**
Date Received	**09/11/2023**
Date Sampled	**09/11/2023**
Invoice No.	**99192**
Customer #	**1003**
Customer P.O.	

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Method # **EPA 8260B**

QC Reference # 111557 **Date Analyzed:** 9/11/2023 **Technician:** IG

Samples 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016 017 018 019 020 021

Results	LCS %REC	LCS %DUP	LCS %RPD	BLKSRR% REC	Control Ranges: LCS %REC	LCS %RPD	BLKSRR%REC
1,1-Dichloroethene	112	118	5.1		70 - 130	0 - 25	
Benzene	107	124	14.4		70 - 130	0 - 25	
Bromofluorobenzene				83			50 - 150
Chlorobenzene	88	109	21.7		70 - 130	0 - 25	
Dibromofluorometħan				118			50 - 150
Toluene	122	123	0.9		70 - 130	0 - 25	
Toluene-D8				113			50 - 150
Trichloroethene	113	97	14.6		70 - 130	0 - 25	

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QUALITY CONTROL DATA REPORT

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN

Date Reported	**09/12/2023**
Date Received	**09/11/2023**
Date Sampled	**09/11/2023**

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL
111557	Acetone	<0.0650		µg/L	0.0650
	Benzene	<0.0031		µg/L	0.0031
	Bromobenzene	<0.0065		µg/L	0.0065
	Bromochloromethane	<0.0065		µg/L	0.0065
	Bromodichloromethane	<0.0052		µg/L	0.0052
	Bromoform	<0.0065		µg/L	0.0065
	Bromomethane	<0.0065		µg/L	0.0065
	2-Butanone (MEK)	<0.0650		µg/L	0.0650
	n-Butylbenzene	<0.0065		µg/L	0.0065
	sec-Butylbenzene	<0.0065		µg/L	0.0065
	tert-Butylbenzene	<0.0065		µg/L	0.0065
	Carbon Disulfide	<0.0650		µg/L	0.0650
	Carbon Tetrachloride	<0.0033		µg/L	0.0033
	Chlorobenzene	<0.0065		µg/L	0.0065
	Chloroethane	<0.0065		µg/L	0.0065
	Chloroform	<0.0026		µg/L	0.0026
	Chloromethane	<0.0065		µg/L	0.0065
	2-Chlorotoluene	<0.0065		µg/L	0.0065
	4-Chlorotoluene	<0.0065		µg/L	0.0065
	Dibromochloromethane	<0.0065		µg/L	0.0065
	1,2-Dibromoethane (EDB)	<0.0016		µg/L	0.0016
	1,2-Dibromo-3-Chloropropane	<0.0065		µg/L	0.0065
	Dibromomethane	<0.0065		µg/L	0.0065
	1,2-Dichlorobenzene	<0.0065		µg/L	0.0065
	1,3-Dichlorobenzene	<0.0065		µg/L	0.0065
	1,4-Dichlorobenzene	<0.0065		µg/L	0.0065
	Dichlorodifluoromethane	<0.0065		µg/L	0.0065
	1,1-Dichloroethane	<0.0065		µg/L	0.0065
	1,2-Dichloroethane	<0.0065		µg/L	0.0065
	1,1-Dichloroethene	<0.0065		µg/L	0.0065
	cis-1,2-Dichloroethene	<0.0065		µg/L	0.0065
	trans-1,2-Dichloroethene	<0.0065		µg/L	0.0065
	1,2-Dichloropropane	<0.0065		µg/L	0.0065
	1,3-Dichloropropane	<0.0065		µg/L	0.0065
	2,2-Dichloropropane	<0.0065		µg/L	0.0065
	1,1-Dichloropropene	<0.0065		µg/L	0.0065
	cis-1,3-Dichloropropene	<0.0065		µg/L	0.0065
	trans-1,3-Dichloropropene	<0.0065		µg/L	0.0065
	Ethylbenzene	<0.0065		µg/L	0.0065
	Hexachlorobutadiene	<0.0065		µg/L	0.0065
	2-Hexanone	<0.0650		µg/L	0.0650
	Isopropylbenzene	<0.0065		µg/L	0.0065
	4-Isopropyltoluene	<0.0065		µg/L	0.0065
	Methylene Chloride	<0.0065		µg/L	0.0065
	4-Methyl-2-Pentanone (MIBK)	<0.0650		µg/L	0.0650

Ref	Test Name	Result	Qualif	Units	MDL
	Methyl-t-butyl Ether (MtBE)	<0.0065		µg/L	0.0065
	Naphthalene	<0.0033		µg/L	0.0033
	n-Propylbenzene	<0.0065		µg/L	0.0065
	Styrene	<0.0065		µg/L	0.0065
	1,1,1,2-Tetrachloroethane	<0.0065		µg/L	0.0065
	1,1,2,2-Tetrachloroethane	<0.0065		µg/L	0.0065
	Tetrachloroethene	<0.0065		µg/L	0.0065
	Toluene	<0.0065		µg/L	0.0065
	1,2,3-Trichlorobenzene	<0.0065		µg/L	0.0065
	1,2,4-Trichlorobenzene	<0.0065		µg/L	0.0065
	1,1,1-Trichloroethane	<0.0065		µg/L	0.0065
	1,1,2-Trichloroethane	<0.0065		µg/L	0.0065
	Trichloroethene	<0.0065		µg/L	0.0065
	1,2,3-Trichloropropane	<0.0026		µg/L	0.0026
	Trichlorofluoromethane	<0.0065		µg/L	0.0065
	Trichlorotrifluoroethane	<0.0065		µg/L	0.0065
	1,2,4-Trimethylbenzene	<0.0065		µg/L	0.0065
	1,3,5-Trimethylbenzene	<0.0065		µg/L	0.0065
	Vinyl Chloride	<0.0003		µg/L	0.0003
	o-Xylene	<0.0065		µg/L	0.0065
	Isopropanol (IPA)	<0.0650		µg/L	0.0650

A & R Laboratories, Inc.

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QUALITY CONTROL DATA REPORT

2309-00041

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN

Date Reported	**09/12/2023**
Date Received	**09/11/2023**
Date Sampled	**09/11/2023**

Project: 2320 N. Parmelee Ave., Compton, CA 90222

Respectfully Submitted: Ken Zheng

Ken Zheng - President

ARL

A & R Laboratories
1650 S. Grove Ave., Ste C, Ontario, CA 91761
Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344
E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

185806175

A & R Work Order #: 2309-41

Client Name	Stantec
E-mail	alicia.jansen@stantec.com
Address	735 E. Carnegie Dr., Ste. 280, SnBdno, CA 92408
Report Attention	Alicia J.
Phone #	(909) 654-8342
Fax: #	
Sampled By	IG
Project No./ Name	
Project Site	2320 N. Parmelee Ave., Compton, CA 90222

☐ Chilled ☒ Intact ☐ Seal

Turn Around Time Requested: ☐ Rush 8 12 24 48 Hours ☐ Normal — mobile

Analyses Requested

Lab # (Lab use)	Client Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	8260B / 8015 (Gasoline)	8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	oxygen	Remarks
1	SB-1-5	9/11/23	8:01	AIR		250mL G+T	X									X	3X purge
2	SB-1-15		8:26														volume
3	SB-2-5		8:50														
4	SB-2-15		9:15														report in
5	SB-3-5		9:39														ug/m3
6	SB-3-15		10:02														
7	SB-4-5		10:26														
8	SB-4-15		10:49														
9	SB-5-5		11:12														
10	SB-5-15		11:37														
11	SB-6-5		12:02														
12	SB-6-15		12:28														
13	SB-7-5		12:51														
14	SB-7-15		13:14														
15	SB-7-15-DUP		13:14														

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Stantec	9-11-23	1645	Isabella [signature]	A&R	9/11/23	16:45
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SD=Solid Waste, SL=Sludge, SS=Soil/Sediment, AR=Air, PP=Pure Product

Preservative Code: IC=Ice, HC=HCl, HN=HNO_3, SH=NaOH, ST=$Na_2S_2O_3$, HS=H_2SO_4

* Sample Container Types: T=Tedlar Air Bag, G=Glass Container, ST= Steel Tube, B= Brass Tube, P=Plastic Bottle, V=VOA Vial, E= EnCore

ARL
A & R Laboratories
1650 S. Grove Ave., Ste C, Ontario, CA 91761
Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344
E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

A & R Work Order #: 2309-41

Client Name: Stantec
E-mail: alicia.jansen@stantec.com
Address: 735 E. Carnegie Dr., Ste. 280, SnBdno, CA 92408
Report Attention: Alicia J.
Phone #: (909)654-8342
Fax #:
Sampled By: IG

☐ Chilled
☒ Intact
☐ Seal

Project No./ Name:
Project Site: 2320 N. Parmelee Ave., Compton, CA 90222

Turn Around Time Requested: ☐ Rush 8 12 24 48 Hours ☐ Normal — mobile

Analyses Requested

Lab # (Lab use)	Client Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	8260B / 8015 (Gasoline)	8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	oxygen						Remarks
16	SB-8-5	9/11/23	14:07	AIR		250mL G + T	X									X						3X purge
17	SB-8-15	↓	14:37	↓		↓	↓									↓						volume
18	SB-9-5	↓	15:03	↓		↓	↓									↓						
19	SB-9-15	↓	15:33	↓		↓	↓									↓						report in
20	SB-10-5	↓	15:55	↓		↓	↓									↓						ug/m3
21	SB-10-15	↓	16:17	↓		↓	↓									↓						

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Stantec	9-11-23	1645	[signature]	A&R	9/11/23	16:45

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SD=Solid Waste, SL=Sludge, SS=Soil/Sediment, AR=Air, PP=Pure Product

Preservative Code: IC=Ice, HC=HCl, HN=HNO_3, SH=NaOH, ST=$Na_2S_2O_3$, HS=H_2SO_4

* Sample Container Types: T=Tedlar Air Bag, G=Glass Container, ST= Steel Tube, B= Brass Tube, P=Plastic Bottle, V=VOA Vial, E= EnCore

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11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

18 September 2023

Alex Sobolew
Stantec Consulting
735 EastCarnegie Drive, Suite 280
San Bernardino, CA 92408

Re: 185806175

Enclosed are the results of analyses for samples received by the laboratory on 09/07/23. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Colby Wakeman
Lab Director

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Stantec Consulting 735 EastCarnegie Drive, Suite 280 San Bernardino, CA 92408	Project: 185806175 Project Number: 185806175 Project Manager: Alex Sobolew	Reported 09/18/23 09:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1-5	J232594-002	Soil	09/07/2023 08:17	09/07/2023 16:38
SB-1-15	J232594-004	Soil	09/07/2023 08:25	09/07/2023 16:38
SB-2-5	J232594-006	Soil	09/07/2023 08:52	09/07/2023 16:38
SB-2-15	J232594-008	Soil	09/07/2023 08:58	09/07/2023 16:38
SB-3-5	J232594-010	Soil	09/07/2023 09:25	09/07/2023 16:38
SB-3-15	J232594-012	Soil	09/07/2023 09:33	09/07/2023 16:38
SB-4-5	J232594-014	Soil	09/07/2023 10:48	09/07/2023 16:38
SB-4-15	J232594-016	Soil	09/07/2023 10:55	09/07/2023 16:38
SB-5-5	J232594-018	Soil	09/07/2023 10:18	09/07/2023 16:38
SB-5-10	J232594-019	Soil	09/07/2023 10:20	09/07/2023 16:38
SB-6-5	J232594-022	Soil	09/07/2023 13:30	09/07/2023 16:38
SB-6-15	J232594-024	Soil	09/07/2023 13:35	09/07/2023 16:38
SB-7-5	J232594-026	Soil	09/07/2023 12:10	09/07/2023 16:38
SB-7-10	J232594-027	Soil	09/07/2023 12:15	09/07/2023 16:38
SB-8-5	J232594-030	Soil	09/07/2023 13:02	09/07/2023 16:38
SB-8-15	J232594-032	Soil	09/07/2023 13:08	09/07/2023 16:38
SB-9-5	J232594-034	Soil	09/07/2023 14:02	09/07/2023 16:38
SB-9-10	J232594-035	Soil	09/07/2023 14:05	09/07/2023 16:38
SB-10-1	J232594-037	Soil	09/07/2023 14:28	09/07/2023 16:38
SB-10-5	J232594-038	Soil	09/07/2023 14:30	09/07/2023 16:38
SB-10-10	J232594-039	Soil	09/07/2023 14:32	09/07/2023 16:38
SB-10-15	J232594-040	Soil	09/07/2023 14:35	09/07/2023 16:38

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Stantec Consulting 735 EastCarnegie Drive, Suite 280 San Bernardino, CA 92408	Project: 185806175 Project Number: 185806175 Project Manager: Alex Sobolew	Reported 09/18/23 09:24

DETECTIONS SUMMARY

Sample ID: SB-1-5 **Laboratory ID:** J232594-002

No Results Detected

Sample ID: SB-1-15 **Laboratory ID:** J232594-004

No Results Detected

Sample ID: SB-2-5 **Laboratory ID:** J232594-006

Analyte	Result	Reporting Limit	Units	Method	Notes
C13 - C22	86.1	10.0	mg/kg	EPA 8015	
C23 - C40	2150	10.0	mg/kg	EPA 8015	

Sample ID: SB-2-15 **Laboratory ID:** J232594-008

No Results Detected

Sample ID: SB-3-5 **Laboratory ID:** J232594-010

No Results Detected

Sample ID: SB-3-15 **Laboratory ID:** J232594-012

No Results Detected

Sample ID: SB-4-5 **Laboratory ID:** J232594-014

Analyte	Result	Reporting Limit	Units	Method	Notes
C13 - C22	29.7	10.0	mg/kg	EPA 8015	
C23 - C40	342	10.0	mg/kg	EPA 8015	

Jones Environmental, Inc.

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

Colby Wakeman
Lab Director

JONES ENVIRONMENTAL, INC.
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Stantec Consulting 735 EastCarnegie Drive, Suite 280 San Bernardino, CA 92408	Project: 185806175 Project Number: 185806175 Project Manager: Alex Sobolew	Reported 09/18/23 09:24

DETECTIONS SUMMARY

Sample ID: SB-4-15 **Laboratory ID:** J232594-016

No Results Detected

Sample ID: SB-5-5 **Laboratory ID:** J232594-018

No Results Detected

Sample ID: SB-5-10 **Laboratory ID:** J232594-019

No Results Detected

Sample ID: SB-6-5 **Laboratory ID:** J232594-022

Analyte	Result	Reporting Limit	Units	Method	Notes
C13 - C22	24.0	10.0	mg/kg	EPA 8015	
C23 - C40	338	10.0	mg/kg	EPA 8015	

Sample ID: SB-6-15 **Laboratory ID:** J232594-024

No Results Detected

Sample ID: SB-7-5 **Laboratory ID:** J232594-026

No Results Detected

Sample ID: SB-7-10 **Laboratory ID:** J232594-027

No Results Detected

Jones Environmental, Inc.

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Stantec Consulting 735 EastCarnegie Drive, Suite 280 San Bernardino, CA 92408	Project: 185806175 Project Number: 185806175 Project Manager: Alex Sobolew	Reported 09/18/23 09:24

DETECTIONS SUMMARY

Sample ID: SB-8-5 **Laboratory ID:** J232594-030

No Results Detected

Sample ID: SB-8-15 **Laboratory ID:** J232594-032

No Results Detected

Sample ID: SB-9-5 **Laboratory ID:** J232594-034

No Results Detected

Sample ID: SB-9-10 **Laboratory ID:** J232594-035

No Results Detected

Sample ID: SB-10-1 **Laboratory ID:** J232594-037

Analyte	Result	Reporting Limit	Units	Method	Notes
Cadmium, Cd	1.9	0.5	mg/kg	EPA 6010	
Lead, Pb	13.0	0.5	mg/kg	EPA 6010	

Sample ID: SB-10-5 **Laboratory ID:** J232594-038

Analyte	Result	Reporting Limit	Units	Method	Notes
Cadmium, Cd	2.0	0.5	mg/kg	EPA 6010	
Lead, Pb	2.7	0.5	mg/kg	EPA 6010	

Sample ID: SB-10-10 **Laboratory ID:** J232594-039

Analyte	Result	Reporting Limit	Units	Method	Notes
Cadmium, Cd	1.4	0.5	mg/kg	EPA 6010	

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Stantec Consulting 735 EastCarnegie Drive, Suite 280 San Bernardino, CA 92408	Project: 185806175 Project Number: 185806175 Project Manager: Alex Sobolew	Reported 09/18/23 09:24

DETECTIONS SUMMARY

Sample ID: SB-10-10 **Laboratory ID:** J232594-039

Analyte	Result	Reporting Limit	Units	Method	Notes
Lead, Pb	1.2	0.5	mg/kg	EPA 6010	

Sample ID: SB-10-15 **Laboratory ID:** J232594-040

Analyte	Result	Reporting Limit	Units	Method	Notes
Cadmium, Cd	2.6	0.5	mg/kg	EPA 6010	
Lead, Pb	3.8	0.5	mg/kg	EPA 6010	

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Stantec Consulting 735 EastCarnegie Drive, Suite 280 San Bernardino, CA 92408	Project: 185806175 Project Number: 185806175 Project Manager: Alex Sobolew	Reported 09/18/23 09:24

SB-1-5
J232594-002(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	ND	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	ND	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*139.21 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*91.35 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*120.91 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*83.56 %*	*60 - 140*							

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Stantec Consulting 735 EastCarnegie Drive, Suite 280 San Bernardino, CA 92408	Project: 185806175 Project Number: 185806175 Project Manager: Alex Sobolew	Reported 09/18/23 09:24

SB-1-15
J232594-004(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	ND	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	ND	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*139.05 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*93.19 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*122.00 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*84.89 %*	*60 - 140*							

Jones Environmental, Inc.

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Colby Wakeman
Lab Director

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Stantec Consulting 735 EastCarnegie Drive, Suite 280 San Bernardino, CA 92408	Project: 185806175 Project Number: 185806175 Project Manager: Alex Sobolew	Reported 09/18/23 09:24

SB-2-5
J232594-006(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	86.1	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	2150	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*139.79 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*92.46 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*123.46 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*78.53 %*	*60 - 140*							

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Stantec Consulting 735 EastCarnegie Drive, Suite 280 San Bernardino, CA 92408	Project: 185806175 Project Number: 185806175 Project Manager: Alex Sobolew	Reported 09/18/23 09:24

SB-2-15
J232594-008(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	ND	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	ND	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*139.41 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*90.23 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*122.30 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*81.48 %*	*60 - 140*							

Jones Environmental, Inc.

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Colby Wakeman
Lab Director

JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Stantec Consulting 735 EastCarnegie Drive, Suite 280 San Bernardino, CA 92408	Project: 185806175 Project Number: 185806175 Project Manager: Alex Sobolew	Reported 09/18/23 09:24

SB-3-5
J232594-010(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	ND	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	ND	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*135.45 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*90.19 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*124.38 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*84.19 %*	*60 - 140*							

JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Stantec Consulting 735 EastCarnegie Drive, Suite 280 San Bernardino, CA 92408	Project: 185806175 Project Number: 185806175 Project Manager: Alex Sobolew	Reported 09/18/23 09:24

SB-3-15
J232594-012(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	ND	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	ND	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*122.13 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*89.93 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*126.75 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*83.86 %*	*60 - 140*							

Jones Environmental, Inc.

Colby Wakeman
Lab Director

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JONES ENVIRONMENTAL, INC.
11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
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562-646-1611 FAX

Stantec Consulting 735 EastCarnegie Drive, Suite 280 San Bernardino, CA 92408	Project: 185806175 Project Number: 185806175 Project Manager: Alex Sobolew	Reported 09/18/23 09:24

SB-4-5
J232594-014(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	29.7	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	342	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*139.43 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*89.88 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*125.29 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*82.02 %*	*60 - 140*							

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SB-4-15
J232594-016(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	ND	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	ND	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*122.00 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*88.75 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*125.87 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*81.55 %*	*60 - 140*							

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SB-5-5
J232594-018(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	ND	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	ND	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*131.64 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*87.07 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*126.96 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*80.23 %*	*60 - 140*							

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SB-5-10
J232594-019(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	ND	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	ND	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*134.74 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*88.19 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*122.39 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*81.35 %*	*60 - 140*							

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SB-6-5
J232594-022(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	24.0	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	338	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*139.50 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*88.77 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*125.41 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*81.49 %*	*60 - 140*							

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SB-6-15
J232594-024(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	ND	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	ND	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*139.71 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*89.67 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*126.38 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*81.76 %*	*60 - 140*							

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SB-7-5
J232594-026(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	ND	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	ND	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*111.09 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*88.62 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*126.26 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*81.43 %*	*60 - 140*							

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SB-7-10
J232594-027(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	ND	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	ND	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*129.27 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*88.76 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*128.89 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*82.37 %*	*60 - 140*							

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SB-8-5
J232594-030(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	ND	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	ND	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*129.98 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*88.58 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*126.90 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*82.53 %*	*60 - 140*							

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SB-8-15
J232594-032(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	ND	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	ND	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*123.30 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*88.11 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*125.78 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*82.75 %*	*60 - 140*							

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SB-9-5
J232594-034(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	ND	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	ND	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*136.66 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*88.49 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*125.28 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*81.14 %*	*60 - 140*							

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SB-9-10
J232594-035(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015									
C13 - C22	ND	10.0	mg/kg	1	QC2309168		09/13/23	EPA 8015	
C23 - C40	ND	10.0	mg/kg	"	"		"	"	
Surrogate: Hexacosane	*138.49 %*	*50 - 140*							
Volatile Organic Compounds by EPA 8260									
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg	1	QC2309103		09/11/23	EPA 8260	
Surrogate: Toluene-d8	*87.30 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*125.50 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*81.64 %*	*60 - 140*							

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SB-10-1
J232594-037(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium, Cd by EPA 6010									
Cadmium, Cd	1.9	0.5	mg/kg	1	QC2309163		09/11/23	EPA 6010	
Lead, Pb by EPA 6010									
Lead, Pb	13.0	0.5	mg/kg	1	QC2309164		09/11/23	EPA 6010	

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SB-10-5
J232594-038(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium, Cd by EPA 6010									
Cadmium, Cd	2.0	0.5	mg/kg	1	QC2309163		09/11/23	EPA 6010	
Lead, Pb by EPA 6010									
Lead, Pb	2.7	0.5	mg/kg	1	QC2309164		09/11/23	EPA 6010	

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SB-10-10
J232594-039(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium, Cd by EPA 6010									
Cadmium, Cd	1.4	0.5	mg/kg	1	QC2309163		09/11/23	EPA 6010	
Lead, Pb by EPA 6010									
Lead, Pb	1.2	0.5	mg/kg	1	QC2309164		09/11/23	EPA 6010	

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SB-10-15
J232594-040(Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium, Cd by EPA 6010									
Cadmium, Cd	2.6	0.5	mg/kg	1	QC2309163		09/11/23	EPA 6010	
Lead, Pb by EPA 6010									
Lead, Pb	3.8	0.5	mg/kg	1	QC2309164		09/11/23	EPA 6010	

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Cadmium, Cd by EPA 6010 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2309163 - EPA 6010										
CCV 1										
Cadmium, Cd	1.0	0.5	%	1		96	90 - 110		110	
LCS 1										
Cadmium, Cd	4.89	0.5	%	5		98	80 - 120			
LCSD 1										
Cadmium, Cd	4.76	0.5	%	5		95	0 - 20	2.59	20	
Method Blank 1										
Cadmium, Cd	ND	0.5	mg/kg							

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Cadmium, Cd by EPA 6010 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2309164 - EPA 6010										
CCV 1										
Lead, Pb	1.0	0.5	%	1		98	90 - 110		110	
LCS 1										
Lead, Pb	49.3	0.5	%	50		99	80 - 120			
LCSD 1										
Lead, Pb	48.0	0.5	%	50		96	80 - 120	2.67	120	
Method Blank 1										
Lead, Pb	ND	0.5	mg/kg							

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EPA 8015M - Total Petroleum Hydrocarbons by EPA 8015 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2309168 - EPA 8015										
CCV 1										
Diesel (C10 - C28)	883	10.0	%	1000		88	80 - 120		120	
LCS 1										
Diesel (C10 - C28)	401	10.0	%	500		80	60 - 140			
Surrogate: Hexacosane		*139.08 %*	*50 - 140*							
LCSD 1										
Diesel (C10 - C28)	399	10.0	%	500		80	60 - 140	0.61	140	
Surrogate: Hexacosane		*134.27 %*	*50 - 140*							
Method Blank 1										
C13 - C22	ND	10.0	mg/kg							
C23 - C40	ND	10.0	mg/kg							
Surrogate: Hexacosane		*139.03 %*	*50 - 140*							

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Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2309103 - EPA 8260										
CCV 1										
Chlorobenzene	253	1.0	%	250		101	80 - 120		120	
1,1-Dichloroethene	246	1.0	%	250		99	80 - 120		120	
cis-1,2-Dichloroethene	284	1.0	%	250		114	80 - 120		120	
Ethylbenzene	242	1.0	%	250		97	80 - 120		120	
Tetrachloroethene	240	1.0	%	250		96	80 - 120		120	
Toluene	246	1.0	%	250		98	80 - 120		120	
1,1,1-Trichloroethane	258	1.0	%	250		103	80 - 120		120	
Trichloroethene	235	1.0	%	250		94	80 - 120		120	
1,2,4-Trimethylbenzene	246	1.0	%	250		98	80 - 120		120	
Vinyl chloride	261	1.0	%	250		104	80 - 120		120	
Benzene	259	1.0	%	250		104	80 - 120		120	
LCS 1										
Chlorobenzene	49.6	1.0	%	50		99	70 - 130			
1,1-Dichloroethene	57.3	1.0	%	50		115	60 - 140			
cis-1,2-Dichloroethene	53.0	1.0	%	50		106	70 - 130			
Ethylbenzene	39.7	1.0	%	50		79	70 - 130			
Tetrachloroethene	48.3	1.0	%	50		97	70 - 130			
Toluene	47.2	1.0	%	50		94	70 - 130			
1,1,1-Trichloroethane	52.6	1.0	%	50		105	70 - 130			
Trichloroethene	51.1	1.0	%	50		102	70 - 130			
1,2,4-Trimethylbenzene	35.8	1.0	%	50		72	70 - 130			
Vinyl chloride	49.4	1.0	%	50		99	60 - 140			
Benzene	50.8	1.0	%	50		102	70 - 130			
Surrogate: Toluene-d8		*95.25 %*	*60 - 140*							
Surrogate: Dibromofluoromethane		*114.27 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene		*109.74 %*	*60 - 140*							
LCSD 1										
Chlorobenzene	49.5	1.0	%	50		99	70 - 130	0.17	130	
1,1-Dichloroethene	58.3	1.0	%	50		117	60 - 140	1.68	140	
cis-1,2-Dichloroethene	51.6	1.0	%	50		103	70 - 130	2.63	130	

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Stantec Consulting 735 EastCarnegie Drive, Suite 280 San Bernardino, CA 92408	Project: 185806175 Project Number: 185806175 Project Manager: Alex Sobolew	Reported 09/18/23 09:24

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2309103 - EPA 8260										
LCSD 1										
Ethylbenzene	39.9	1.0	%	50		80	70 - 130	0.57	130	
Tetrachloroethene	48.8	1.0	%	50		98	70 - 130	1.02	130	
Toluene	46.5	1.0	%	50		93	70 - 130	1.42	130	
1,1,1-Trichloroethane	53.0	1.0	%	50		106	70 - 130	0.92	130	
Trichloroethene	51.1	1.0	%	50		102	70 - 130	0.08	130	
1,2,4-Trimethylbenzene	36.0	1.0	%	50		72	70 - 130	0.79	130	
Vinyl chloride	49.4	1.0	%	50		99	60 - 140	0.07	140	
Benzene	51.9	1.0	%	50		104	70 - 130	2.18	130	
Surrogate: Toluene-d8		*92.37 %*	*60 - 140*							
Surrogate: Dibromofluoromethane		*114.42 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene		*104.63 %*	*60 - 140*							
Method Blank 1										
Bromobenzene	ND	1.0	µg/kg							
Bromodichloromethane	ND	1.0	µg/kg							
Bromoform	ND	1.0	µg/kg							
n-Butylbenzene	ND	1.0	µg/kg							
sec-Butylbenzene	ND	1.0	µg/kg							
tert-Butylbenzene	ND	1.0	µg/kg							
Carbon tetrachloride	ND	1.0	µg/kg							
Chlorobenzene	ND	1.0	µg/kg							
Chloroform	ND	1.0	µg/kg							
2-Chlorotoluene	ND	1.0	µg/kg							
4-Chlorotoluene	ND	1.0	µg/kg							
Dibromochloromethane	ND	1.0	µg/kg							
1,2-Dibromo-3-chloropropane	ND	1.0	µg/kg							
1,2-Dibromoethane (EDB)	ND	1.0	µg/kg							
Dibromomethane	ND	1.0	µg/kg							
1,2- Dichlorobenzene	ND	1.0	µg/kg							
1,3-Dichlorobenzene	ND	1.0	µg/kg							
1,4-Dichlorobenzene	ND	1.0	µg/kg							
1,1-Dichloroethane	ND	1.0	µg/kg							
1,2-Dichloroethane	ND	1.0	µg/kg							
1,1-Dichloroethene	ND	1.0	µg/kg							
cis-1,2-Dichloroethene	ND	1.0	µg/kg							
trans-1,2-Dichloroethene	ND	1.0	µg/kg							

Jones Environmental, Inc.

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

Colby Wakeman
Lab Director

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
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Stantec Consulting	Project: 185806175	
735 EastCarnegie Drive, Suite 280	Project Number: 185806175	Reported
San Bernardino, CA 92408	Project Manager: Alex Sobolew	09/18/23 09:24

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2309103 - EPA 8260										
Method Blank 1										
1,2-Dichloropropane	ND	1.0	µg/kg							
1,3-Dichloropropane	ND	1.0	µg/kg							
2,2-Dichloropropane	ND	1.0	µg/kg							
1,1-Dichloropropene	ND	1.0	µg/kg							
cis-1,3-Dichloropropene	ND	1.0	µg/kg							
trans-1,3-Dichloropropene	ND	1.0	µg/kg							
Ethylbenzene	ND	1.0	µg/kg							
Freon 11	ND	5.0	µg/kg							
Freon 12	ND	5.0	µg/kg							
Freon 113	ND	5.0	µg/kg							
Hexachlorobutadiene	ND	1.0	µg/kg							
Isopropylbenzene	ND	1.0	µg/kg							
4-Isopropyltoluene	ND	1.0	µg/kg							
Methylene chloride	ND	1.0	µg/kg							
Naphthalene	ND	5.0	µg/kg							
n-Propylbenzene	ND	1.0	µg/kg							
Styrene	ND	1.0	µg/kg							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/kg							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/kg							
Tetrachloroethene	ND	1.0	µg/kg							
Toluene	ND	1.0	µg/kg							
1,2,3-Trichlorobenzene	ND	3.0	µg/kg							
1,2,4-Trichlorobenzene	ND	3.0	µg/kg							
1,1,1-Trichloroethane	ND	1.0	µg/kg							
1,1,2-Trichloroethane	ND	1.0	µg/kg							
Trichloroethene	ND	1.0	µg/kg							
1,2,3-Trichloropropane	ND	1.0	µg/kg							
1,2,4-Trimethylbenzene	ND	1.0	µg/kg							
1,3,5-Trimethylbenzene	ND	1.0	µg/kg							
Vinyl chloride	ND	1.0	µg/kg							
m+p-Xylene	ND	2.0	µg/kg							
o-Xylene	ND	1.0	µg/kg							
Methyl-tert-butylether	ND	5.0	µg/kg							
Ethyl-tert-butylether	ND	5.0	µg/kg							
Di-isopropylether	ND	5.0	µg/kg							
tert-amylmethylether	ND	5.0	µg/kg							
tert-Butylalcohol	ND	50.0	µg/kg							

Jones Environmental, Inc.

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Colby Wakeman
Lab Director

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
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562-646-1611 FAX

Stantec Consulting 735 EastCarnegie Drive, Suite 280 San Bernardino, CA 92408	Project: 185806175 Project Number: 185806175 Project Manager: Alex Sobolew	Reported 09/18/23 09:24

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2309103 - EPA 8260										
Method Blank 1										
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg							
Ethanol (TIC)	ND	50.0	µg/kg							
4-Methyl-2-pentanone (MIBK) (TIC)	ND	50.0	µg/kg							
Benzene	ND	1.0	µg/kg							
2-Butanone (MEK) (TIC)	ND	50.0	µg/kg							
2-Hexanone (MBK)	ND	50.0	µg/kg							
n-Heptane	ND	50.0	µg/kg							
n-Hexane	ND	50.0	µg/kg							
n-Pentane	ND	50.0	µg/kg							
Methanol (TIC)	ND	50.0	µg/kg							
Surrogate: Toluene-d8		*91.44 %*	*60 - 140*							
Surrogate: Dibromofluoromethane		*120.60 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene		*87.63 %*	*60 - 140*							

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Stantec Consulting 735 EastCarnegie Drive, Suite 280 San Bernardino, CA 92408	Project: 185806175 Project Number: 185806175 Project Manager: Alex Sobolew	Reported 09/18/23 09:24

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
E	Estimated Concentration; concentration exceeds calibration range.
LCC	Leak Check Compound
1	Recovery outside of acceptable limits. LCS/LCSD recoveries and %RSD were within QC limits, therefore data was accepted.
SMSR	Sample matrix prevented adequate surrogate recovery.
J	Value less than PQL but greater than MDL
HHSR	High hydrocarbon concentration in this sample prevented adequate surrogate recovery.

Stantec

CHAIN OF CUSTODY

Laboratory Project Number: J232594

Page 1 of 3

Client Name/Address:	Project Manager:
Stantec Consulting Services Inc. 735 E. Carnegie Drive, Suite 280 San Bernardino, CA 92408 909-335-6116	Alicia Jansen E-Mail Address: Alicia.Jansen@stantec.com alex.sobolew@stantec.com
Laboratory: Jones Environmental	Sampler Name: Alex Sobolew
	Stantec Project Number: 185806175
	Project Name: 2320 N Parmelee Ave, Compton

Turn Around Time: Normal X; 72 Hour: ; 48 Hour: ; 24 Hour: ; Same Day: ; Other: ; Sample Temp °C:

Sample Description/Identification	Sample Matrix	Preservative (see below)	# of Cont.	Sample Date	Sample Time	Filtered Sample	VOCs 8260B	TPH 8015	Lead/cadmium 6010							Special Instructions
SB-1-1	Soil	1	1	9-7-23	815											J232594-001
SB-1-5	↓	↓	1	↓	817		X	X								J232594-002
SB-1-10			1		821											J232594-003
SB-1-15			1		825		X	X								J232594-004
SB-2-1			1		850											J232594-005
SB-2-5			1		852		X	X								J232594-006
SB-2-10			1		855											J232594-007
SB-2-15			1		858		X	X								J232594-008
SB-3-1			1		922											J232594-009
SB-3-5			1		925		X	X								J232594-010
SB-3-10			1		930											J232594-011
SB-3-15			1		933		X	X								J232594-012
SB-4-1			1		1045											J232594-013
SB-4-5			1		1048		X	X								J232594-014
SB-4-10	↓	↓	1	↓	1050											J232594-015

Sample Preservative: 1=ICE - 2=HCl - 3=H_2SO_4 - 4=HNO_3 - 5=NaOH - 6=Other: 5035

Special Instruction:

Relinquished By:	Date	Time	Received By + Company Name:	Date	Time
[signature]	9-7-23	1638	[signature] Jones	9-7-23	1638
Relinquished By + Company Name:	Date	Time	Received By + Company Name:	Date	Time
Relinquished By + Company Name:	Date	Time	Received By + Company Name:	Date	Time

Stantec

CHAIN OF CUSTODY

Laboratory Project Number: J232594

Client Name/Address: **Stantec Consulting Services Inc.** **735 E. Carnegie Drive, Suite 280** **San Bernardino, CA 92408** **909-335-6116**	Project Manager: Alicia Jansen
Laboratory: Jones Environmental	E-Mail Address: **alex.sobolew@stantec.com**
	Sampler Name: **Alex Sobolew**
	Stantec Project Number: 185806175
	Project Name: 2320 N Parmacke Ave

Turn Around Time: Normal X; 72 Hour: ; 48 Hour ; 24 Hour ; Same Day: ; Other:

Sample Temp °C:

Sample Description/Identification	Sample Matrix	Preservative (see below)	# of Cont.	Sample Date	Sample Time	Filtered Sample	VOCs 8260B	TPH 8015	Lead/cadmium 6010	Special Instructions
SB-4-15	Soil	1	1	9-7-23	1055		X	X		J232594-016
SB-5-1					1015					J232594-017
SB-5-5					1018		X	X		J232594-018
SB-5-10					1020		X	X		J232594-019
SB-5-15					1028					J232594-020
SB-6-1					1328					J232594-021
SB-6-5					1330		X	X		J232594-022
SB-6-10					1333					J232594-023
SB-6-15					1335		X	X		J232594-024
SB-7-1					1208					J232594-025
SB-7-5					1210		X	X		J232594-026
SB-7-10					1215		X	X		J232594-027
SB-7-15					1217					J232594-028
SB-8-1					1300					J232594-029
SB-8-5					1302		X	X		J232594-030

Sample Preservative: 1=ICE - 2=HCl - 3=H_2SO_4 - 4=HNO_3 - 5=NaOH - 6=Other: 5035

Special Instruction:

Relinquished By:	Date	Time	Received By + Company Name:	Date	Time
[signature]	9-7-23	1638	[signature]	9-7-23	1638
Relinquished By + Company Name:	Date	Time	Received By + Company Name:	Date	Time
Relinquished By + Company Name:	Date	Time	Received By + Company Name:	Date	Time

Stantec

CHAIN OF CUSTODY

Laboratory Project Number: J232594

Client Name/Address:
Stantec Consulting Services Inc.
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408
909-335-6116

Laboratory: Jones Environmental

Project Manager: Alicia Jansen
E-Mail Address: Alicia.Jansen@stantec.com
alex.sobolew@stantec.com
Sampler Name: **Alex Sobolew**
Stantec Project Number: 185806175
Project Name: 2325 N Parmlee Ave

Turn Around Time:
Normal X
72 Hour:
48 Hour
24 Hour
Same Day:
Other:

Sample Temp °C:

Sample Description/Identification	Sample Matrix	Preservative (see below)	# of Cont.	Sample Date	Sample Time	Filtered Sample	VOCs 8260B	TPH 8015	Lead/cadmium 6010								Special Instructions
SB-8-10	soil	1	1	9-7-23	1305												J232594-031
SB-8-15	↓	↓	↓	↓	1308		X	X									J232594-032
SB-9-1	↓	↓	↓	↓	1400												J232594-033
SB-9-5	↓	↓	↓	↓	1402		X	X									J232594-034
SB-9-10	↓	↓	↓	↓	1405		X	X									J232594-035
SB-9-15	↓	↓	↓	↓	1410												J232594-036
SB-10-1	↓	↓	↓	↓	1428				X								J232594-037
SB-10-5	↓	↓	↓	↓	1430				X								J232594-038
SB-10-10	↓	↓	↓	↓	1432				X								J232594-039
SB-10-15	↓	↓	↓	↓	1435				X								J232594-040

Sample Preservative: 1=ICE - 2=HCl - 3=H_2SO_4 - 4=HNO_3 - 5=NaOH - 6=Other: 5035

Special Instruction:

Relinquished By:	Date	Time	Received By + Company Name:	Date	Time
[signature]	9-7-23	1638	[signature] Jones	9-7-23	1638
Relinquished By + Company Name:	Date	Time	Received By + Company Name:	Date	Time
Relinquished By + Company Name:	Date	Time	Received By + Company Name:	Date	Time