APPENDIX B

APPENDIX B

LABORATORY TESTS

INTRODUCTION

Representative undisturbed soil samples and bulk samples were carefully packaged in the field and sealed to prevent moisture loss. The samples were then transported to our Cypress office for examination and testing assignments. Laboratory tests were performed on selected representative samples as an aid in classifying the soils and to evaluate the physical properties of the soils affecting foundation design and construction procedures. Detailed descriptions of the laboratory tests are presented below under the appropriate test headings. Test results are presented in the figures that follow.

MOISTURE CONTENT AND DRY DENSITY

Moisture content and dry density were determined from a number of the ring samples. The samples were first trimmed to obtain volume and wet weight and then dried in accordance with ASTM D2216. After drying, the weight of each sample was measured, and moisture content and dry density were calculated. Moisture content and dry density values are presented on the boring logs in Appendix A.

GRAIN SIZE DISTRIBUTION

Selected soil samples were dried, weighed, soaked in water until individual soil particles were separated, and then washed on the No. 200 sieve. That portion of the material retained on the No. 200 sieve was oven-dried and weighed to determine the percentage of the material passing the No. 200 sieve. (ASTM D1140) The percentages passing the No. 200 sieve are tabulated below.

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	PERCENT PASSING No. 200 SIEVE
B-1	11	Sandy Clay (CL)	59
B-2	11	Silty Sand (SM)	32
B-101	0-5	Clay (CL) with Sand	78
B-101	10	Sandy Clay (CL)	51
B-102	5	Sandy Silt (ML)	50
B-102	15.5	Siltstone	50

ATTERBERG LIMITS

Liquid and plastic limits were determined for select samples in accordance with ASTM D4318. The results of the Atterberg Limits tests are presented in Figure B-1.

CONSOLIDATION

One-dimensional consolidation testing was performed on undisturbed samples in accordance with ASTM D 2435. After trimming the ends, the samples were placed in the consolidometer and loaded to 0.25 and 0.4 ksf. Thereafter, the samples were incrementally loaded to a maximum load of 25.6 and 32 ksf. The samples were inundated at 1 and 1.6 ksf. Sample deformation was measured to 0.0001 inch. Rebound behavior was investigated by unloading the samples back to 0.25 and 0.4 ksf. Results of the consolidation tests, in the form of percent consolidation versus log pressure, are presented in Figures B-2 to B-5.

DIRECT SHEAR

Direct shear tests were performed on undisturbed samples in accordance with ASTM D3080. The samples were placed in the shear machine, and a normal load comparable to the in-situ overburden stress was applied. The samples were inundated, allowed to consolidate, and then were sheared to failure. The tests were repeated on additional test specimens under increased normal loads. Shear stress and sample deformation were monitored throughout the test. For samples B-4 @ 20-feet, and B-6 @ 13-feet multiple passes were made on the specimens at a strain rate of 0.025, and 0.04 inches per minute respectively. Shear stress and sample deformation were monitored throughout the tests. The results of the direct shear tests are presented in Figures B-6 to B-13.

COMPACTION TEST

A maximum dry density/optimum moisture test was performed in accordance with ASTM D 1557 on a representative bulk sample of the site soils. The test results are as follows:

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)
B-5	0-5	Sandy Clay (CH)	108	17.0
B-101	0 – 5	Clay (CL) with Sand	108	18

R-VALUE

Suitability of the near-surface soils for pavement support was evaluated by conducting an R-Value test. The test was performed in accordance with ASTM D 2844 by Geologic Associates under subcontract to GPI. The result of the test is as follows:

BORING NO.	DEPTH (ft.)	SOIL DESCRIPTION	R-VALUE BY EXPANSION
B-1	0-5	Sandy Clay (CL)	7

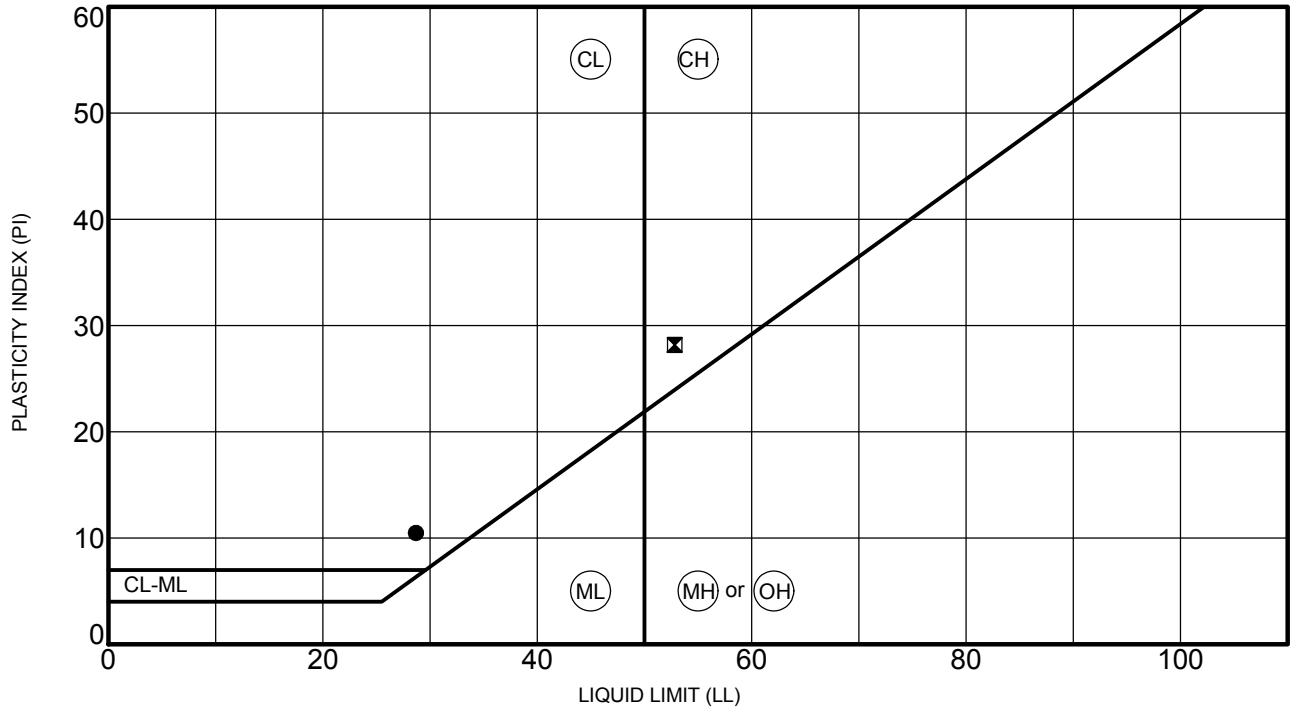
EXPANSION INDEX

An expansion index test was performed on a bulk sample. The test was performed in accordance with ASTM D4829, to assess the expansion potential of on-site soils. The results of the test are summarized below:

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	EXPANSION INDEX
B-1	0-5	Sandy Clay (CL)	7
B-101	0 – 5	Clay (CL) with Sand	65

CORROSIVITY

Soil corrosivity testing was performed by HDR a soil samples provided by GPI. The test results are summarized in Table 1 of this Appendix.



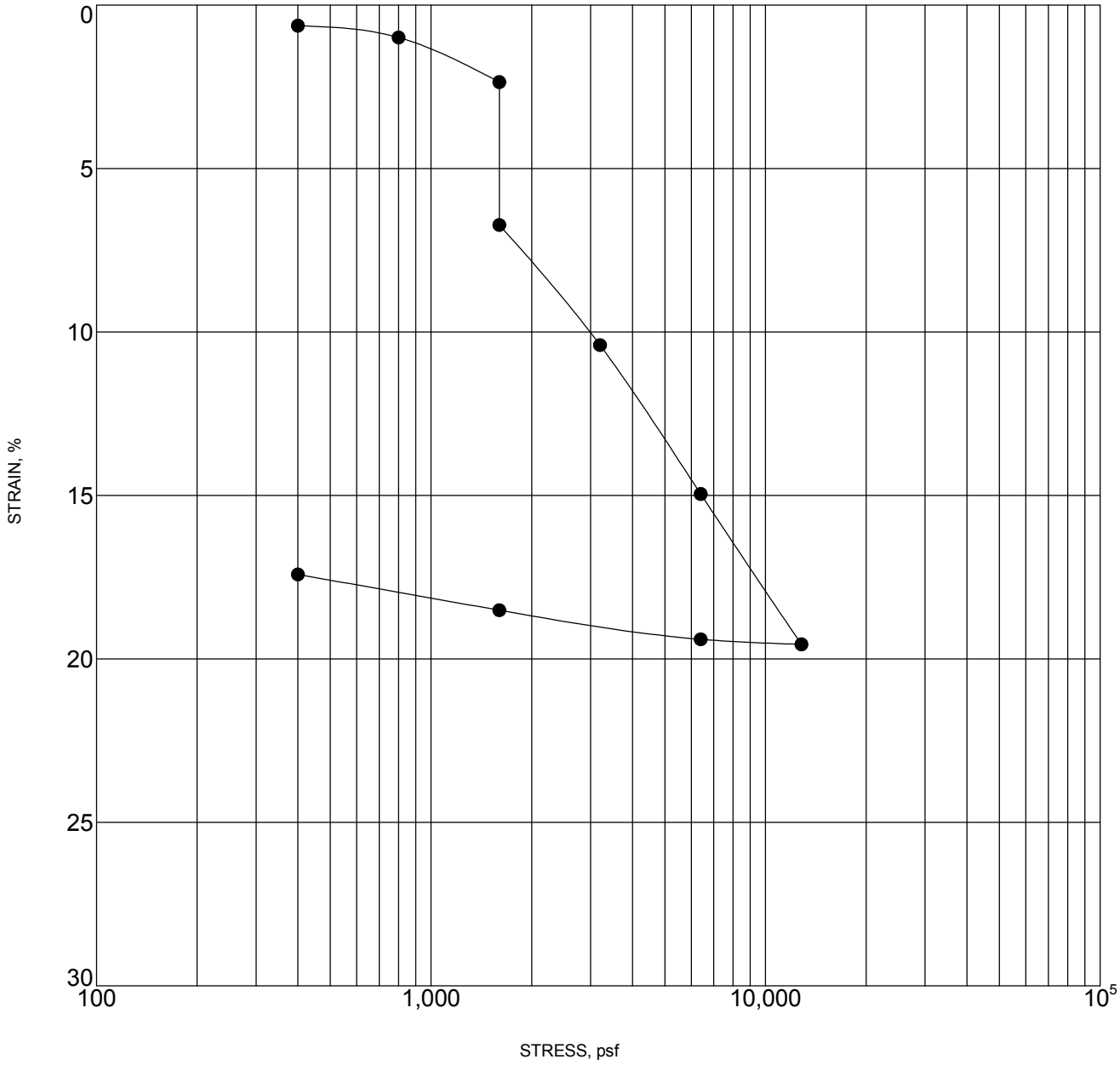
	SAMPLE LOCATION		LL	PL	PI	Fines, %	Classification
●	B-2	0.0	29	18	10		CLAY (CL)
⊠	B-5	0.0	53	25	28		SANDY CLAY (CH)

PROJECT: KIA CALABASAS PROJECT NO. 3162.I

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ATTERBERG LIMITS TEST RESULTS

FIGURE B-1



Sample inundated at 1600 psf

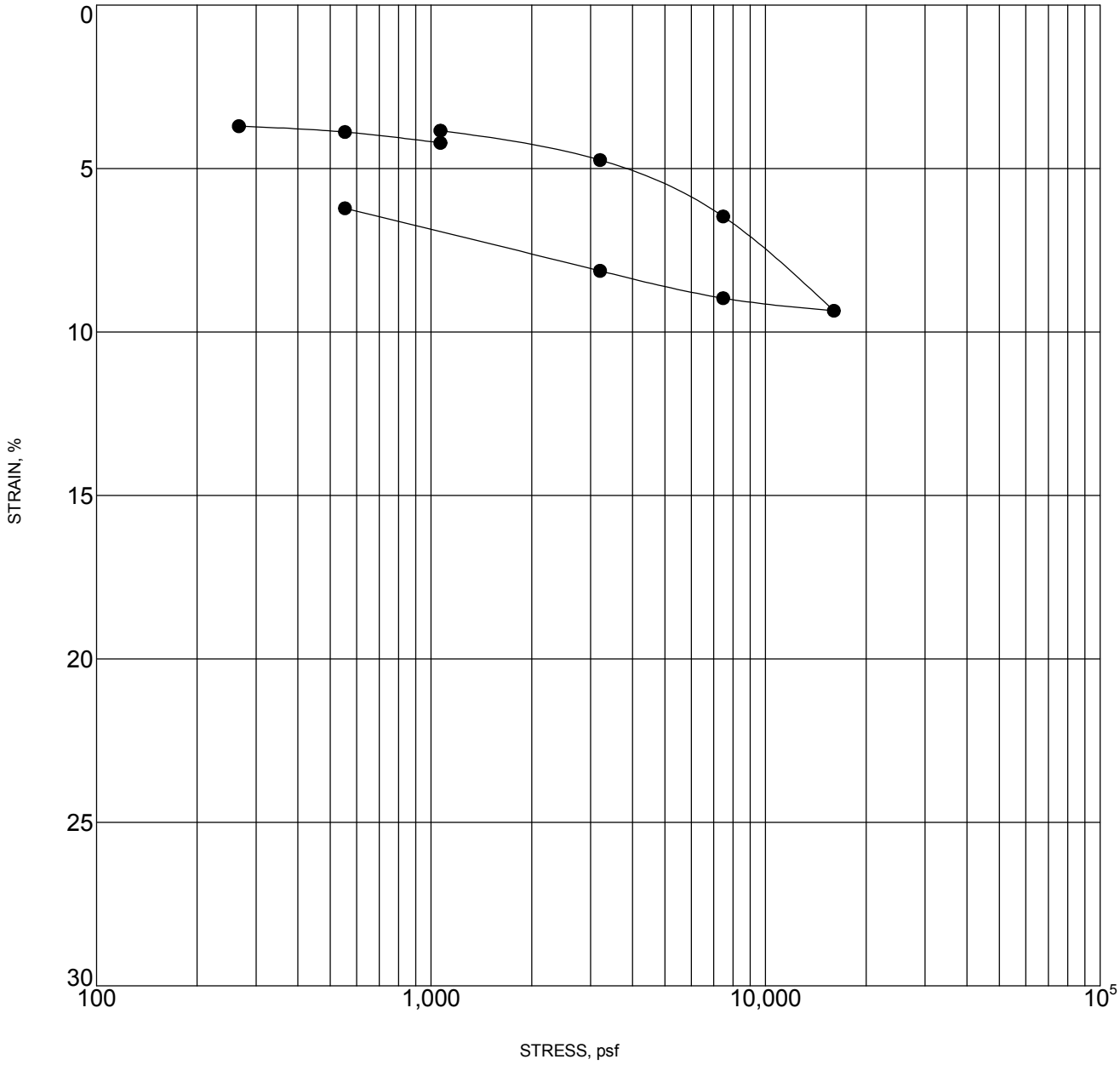
	Sample Location		Classification	DD,pcf	MC,%
●	B-5	5.0	FILL - SANDY CLAY (CH)	67	19.7

PROJECT: KIA CALABASAS PROJECT NO.: 3162.I

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CONSOLIDATION TEST RESULTS

FIGURE B-2



Sample inundated at 1000 psf

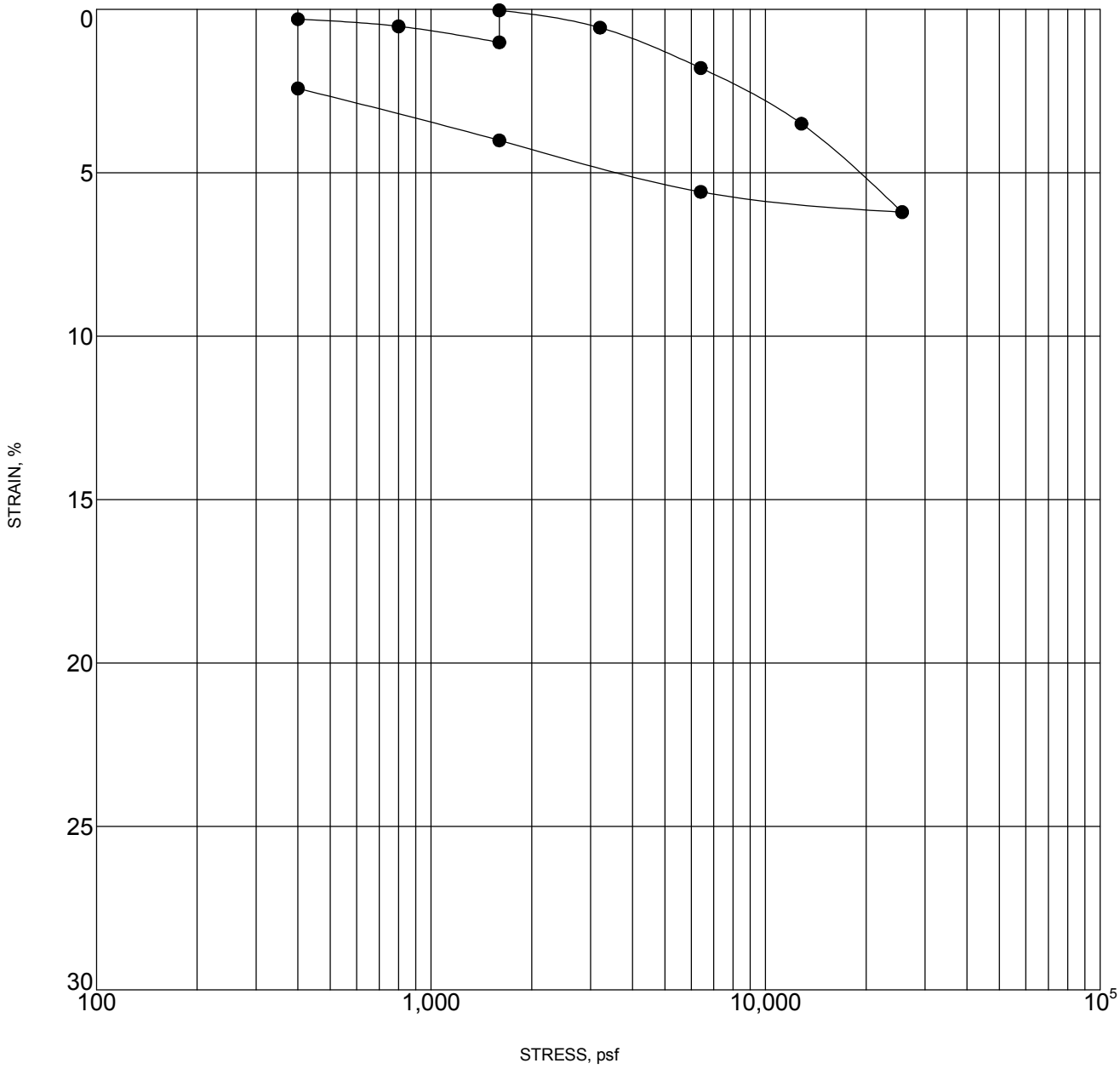
	Sample Location		Classification	DD,pcf	MC,%
●	B-5	13.0	SANDY CLAY (CL)	84	27.7

PROJECT: KIA CALABASAS PROJECT NO.: 3162.I

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CONSOLIDATION TEST RESULTS

FIGURE B-3



Sample inundated at 1600 psf

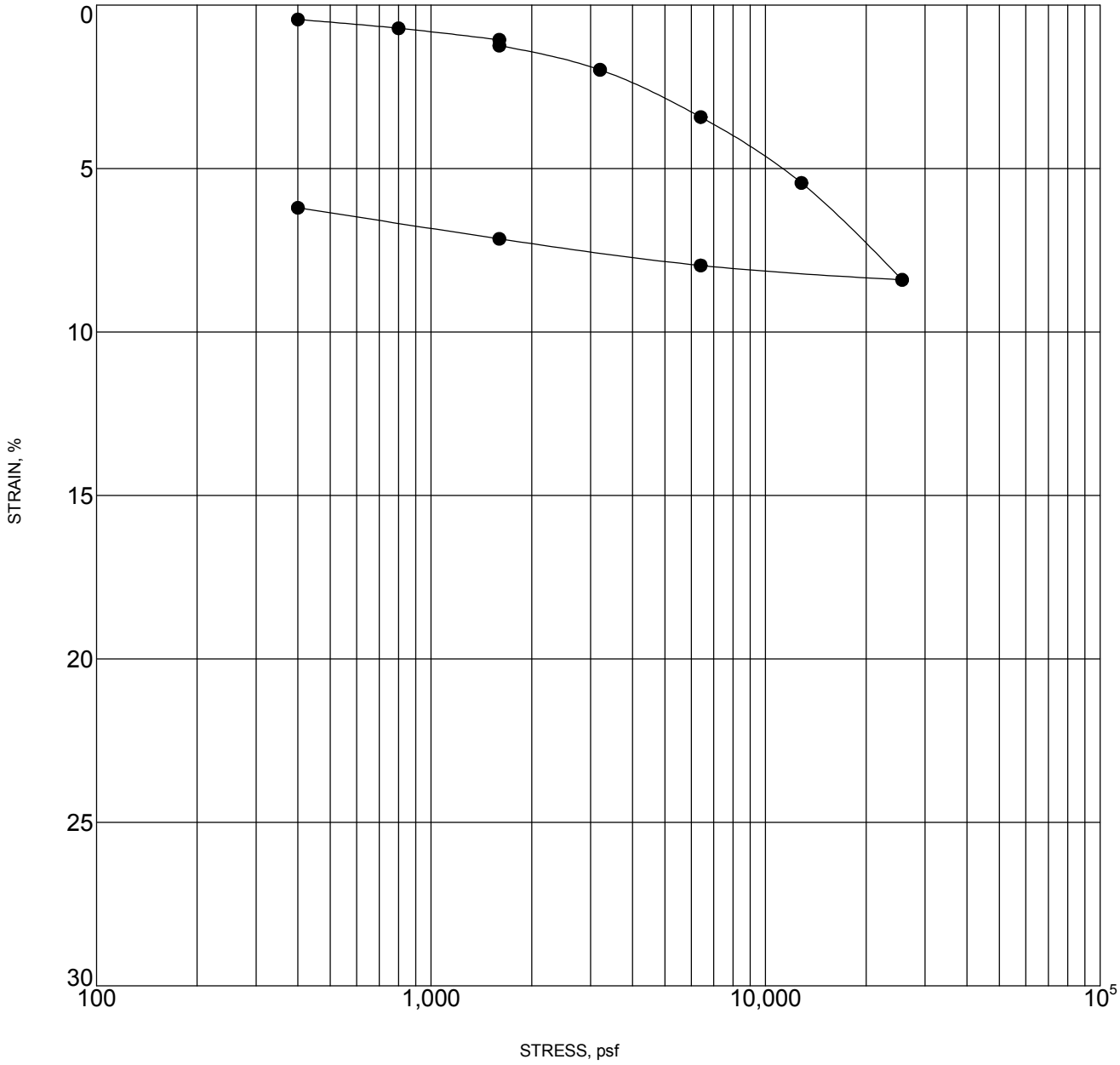
	Sample Location		Classification	DD,pcf	MC,%
●	B-101	5.0	CLAY (CL)	93	18.5

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CONSOLIDATION TEST RESULTS

FIGURE B-4



Sample inundated at 1600 psf

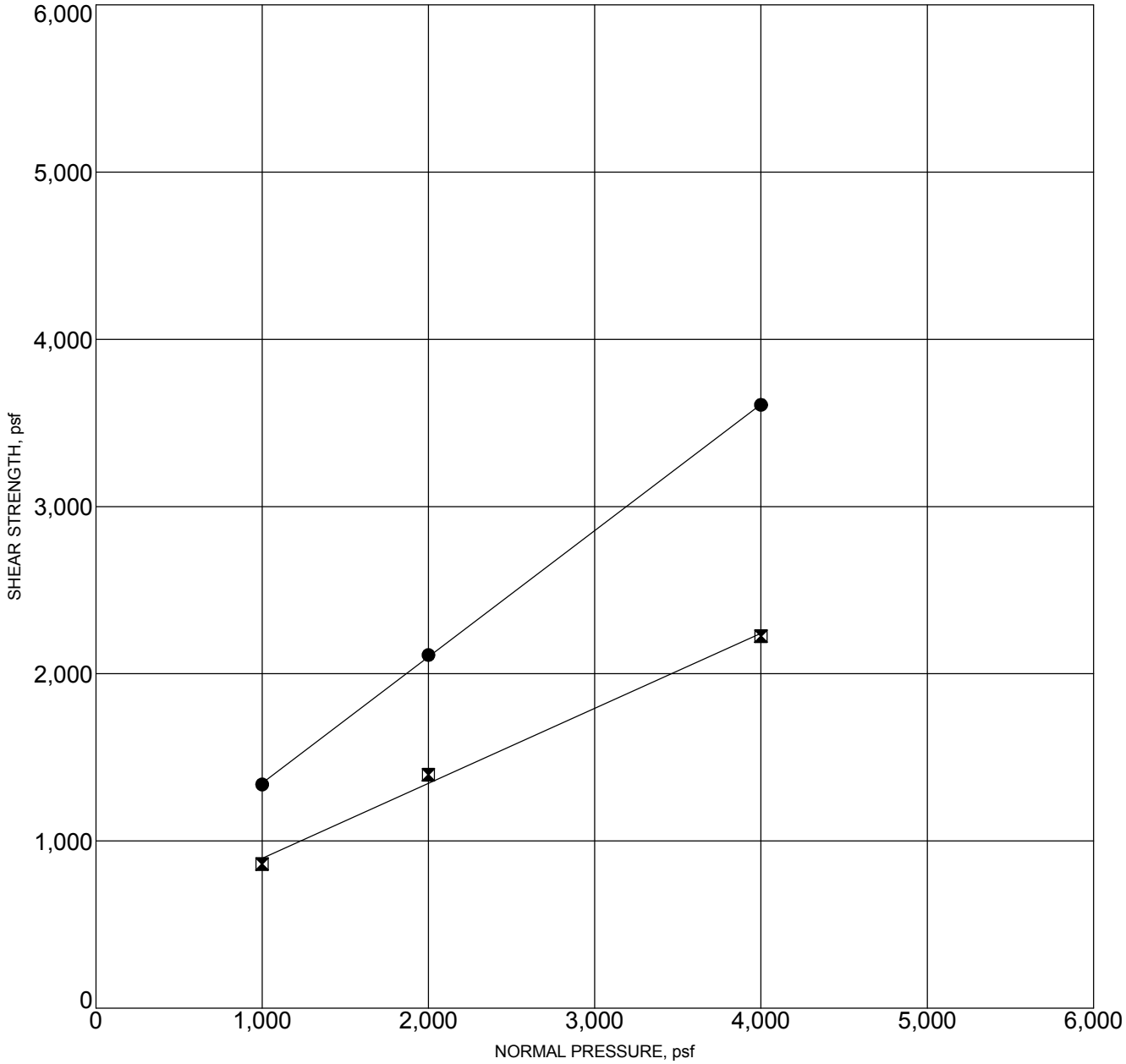
	Sample Location		Classification	DD,pcf	MC,%
●	B-101	10.0	SANDY CLAY (CL)	98	13.6

PROJECT: KIA CALABASAS PROJECT NO.: 3162.I

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CONSOLIDATION TEST RESULTS

FIGURE B-5



● **PEAK STRENGTH**
Friction Angle= 37 degrees
Cohesion= 590 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 24 degrees
Cohesion= 448 psf

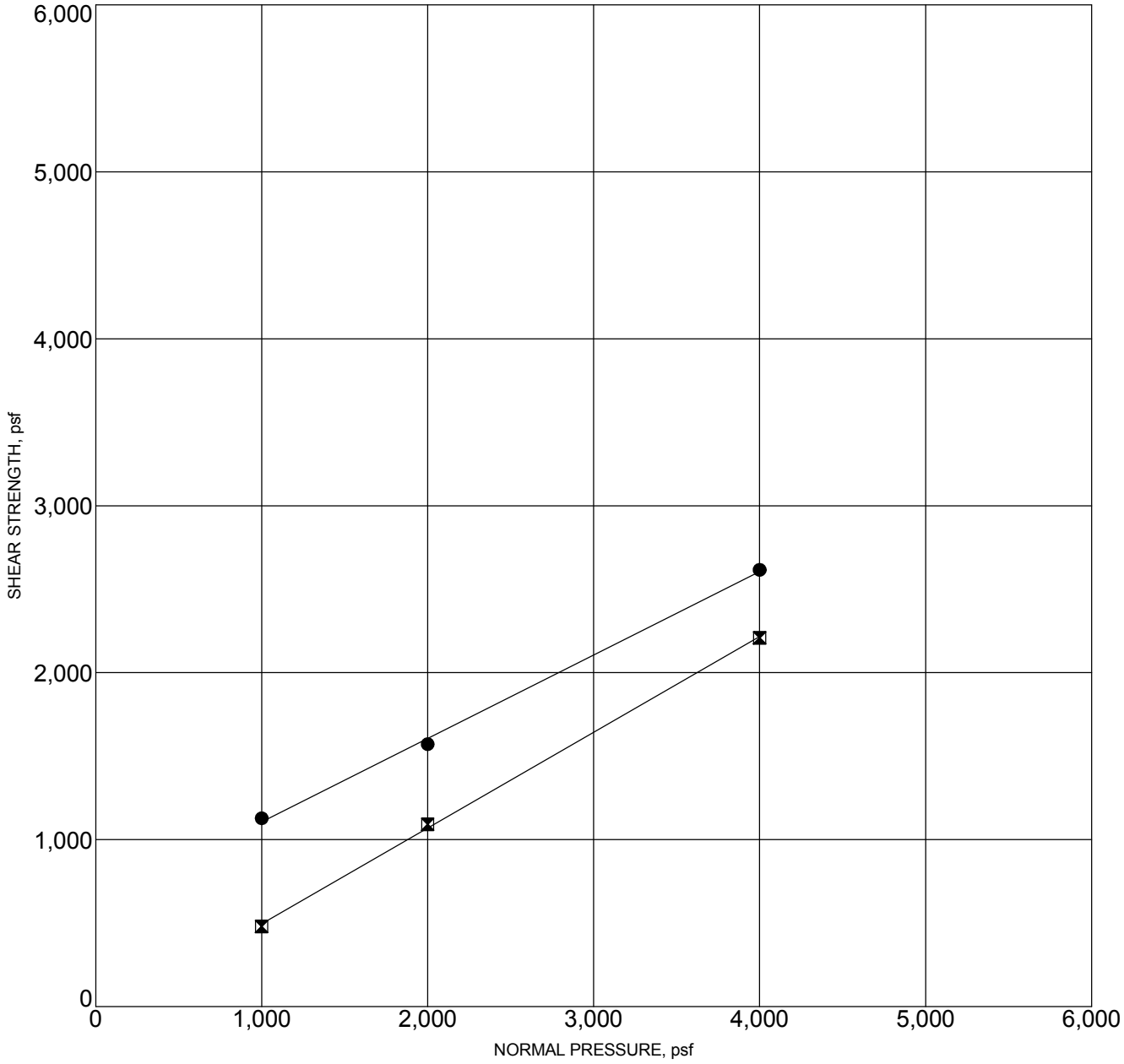
Sample Location		Classification	DD,pcf	MC,%
B-4	13.0	SILTSTONE	109	19.1

PROJECT: KIA CALABASAS PROJECT NO.: 3162.I

GPI

DIRECT SHEAR TEST RESULTS

FIGURE B-6



● **PEAK STRENGTH**
Friction Angle= 27 degrees
Cohesion= 606 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 29 degrees
Cohesion= 0 psf

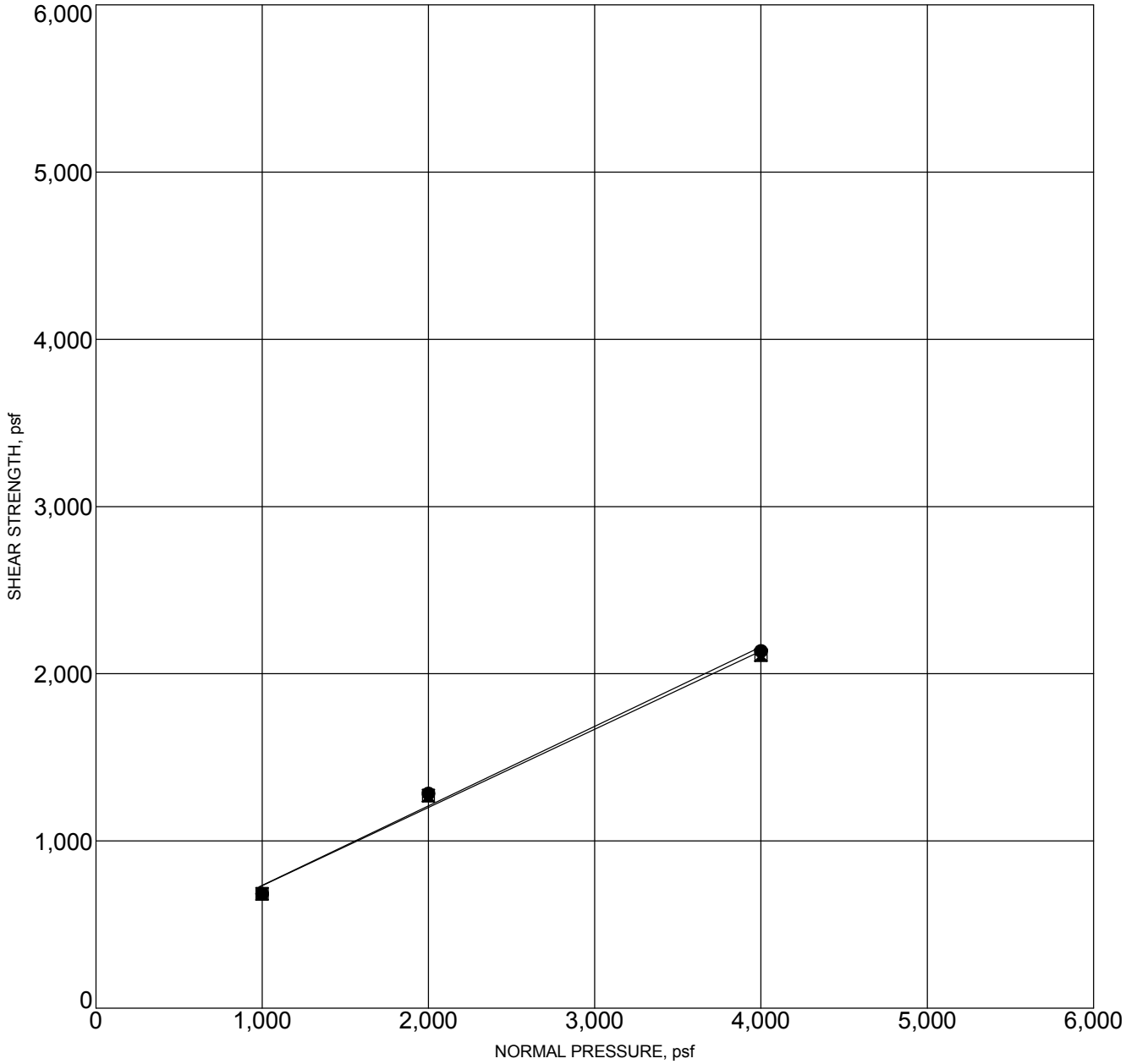
Sample Location		Classification	DD,pcf	MC,%
B-4	20.0	SILTSTONE	109	18.7

PROJECT: KIA CALABASAS PROJECT NO.: 3162.I

GPI

DIRECT SHEAR TEST RESULTS

FIGURE B-7



● **PEAK STRENGTH**
Friction Angle= 25 degrees
Cohesion= 258 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 25 degrees
Cohesion= 264 psf

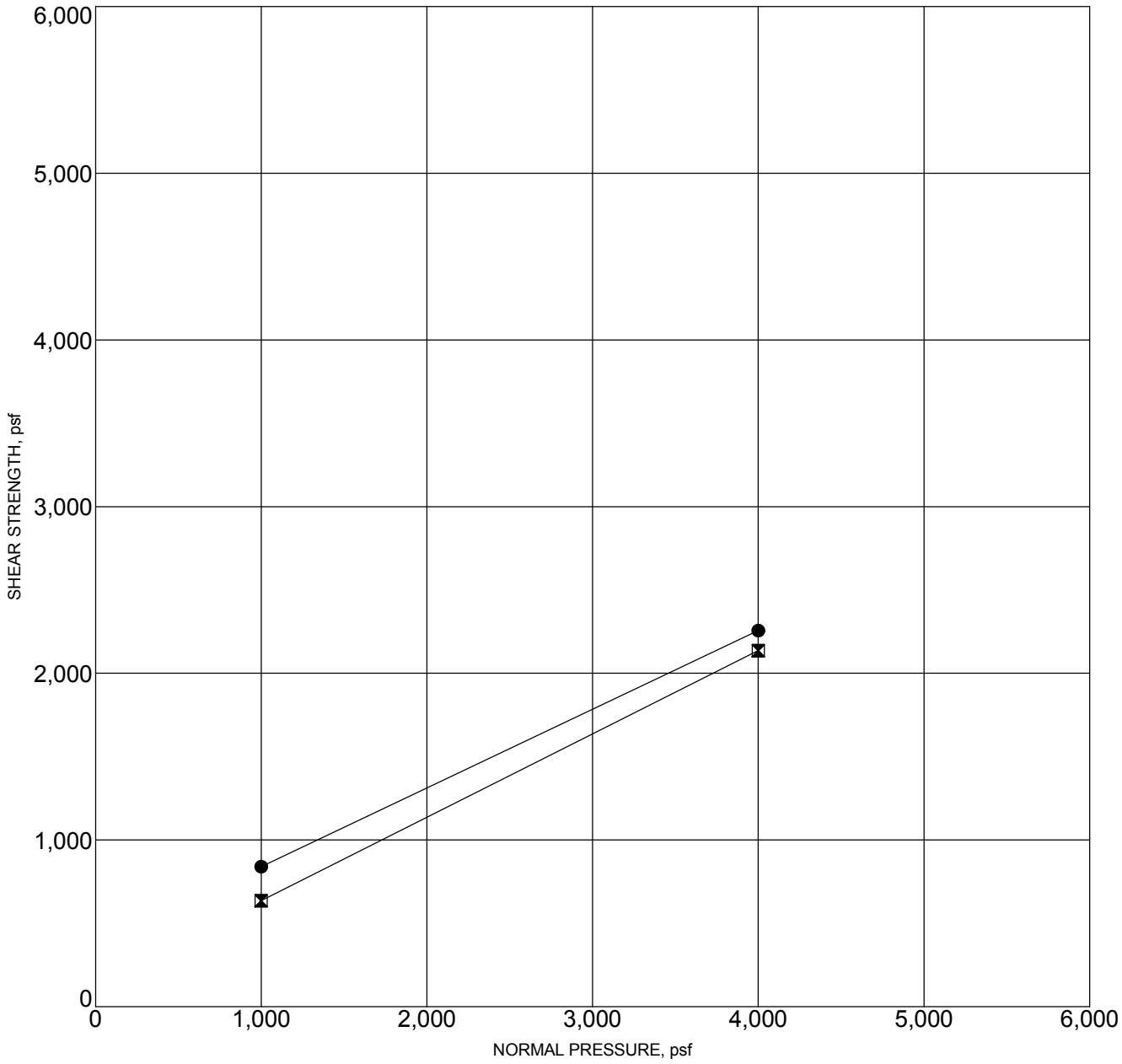
Sample Location		Classification	DD,pcf	MC,%
B-5	7.0	SANDY CLAY (CL)	84	19.5

PROJECT: KIA CALABASAS PROJECT NO.: 3162.I

GPI

DIRECT SHEAR TEST RESULTS

FIGURE B-8



● **PEAK STRENGTH**
Friction Angle= 25 degrees
Cohesion= 368 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 27 degrees
Cohesion= 136 psf

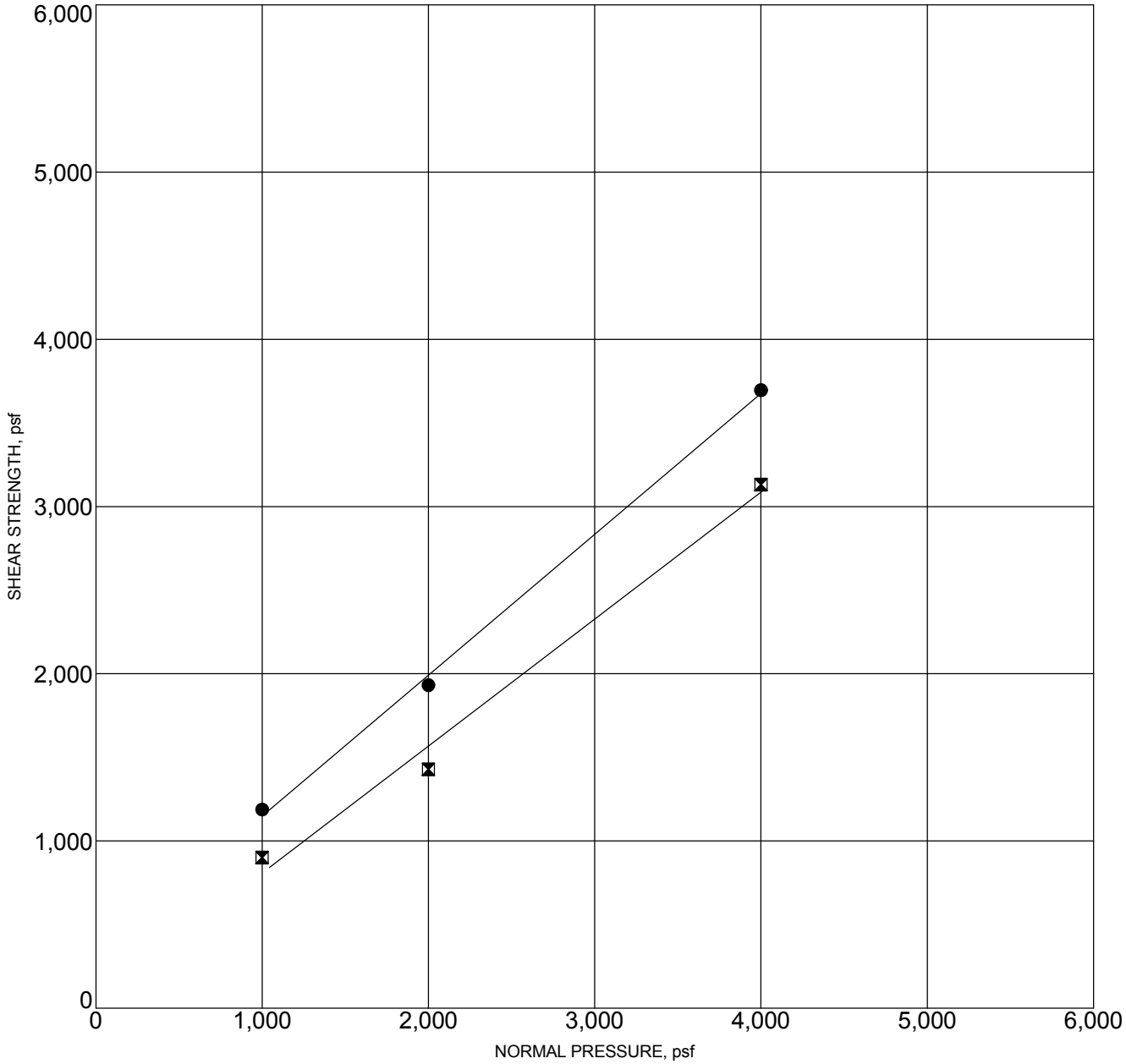
Sample Location		Classification	DD,pcf	MC,%
B-6	13.0	SILTSTONE	104	10.3

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DIRECT SHEAR TEST RESULTS

FIGURE B-9



● **PEAK STRENGTH**
Friction Angle= 40 degrees
Cohesion= 306 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 37 degrees
Cohesion= 48 psf

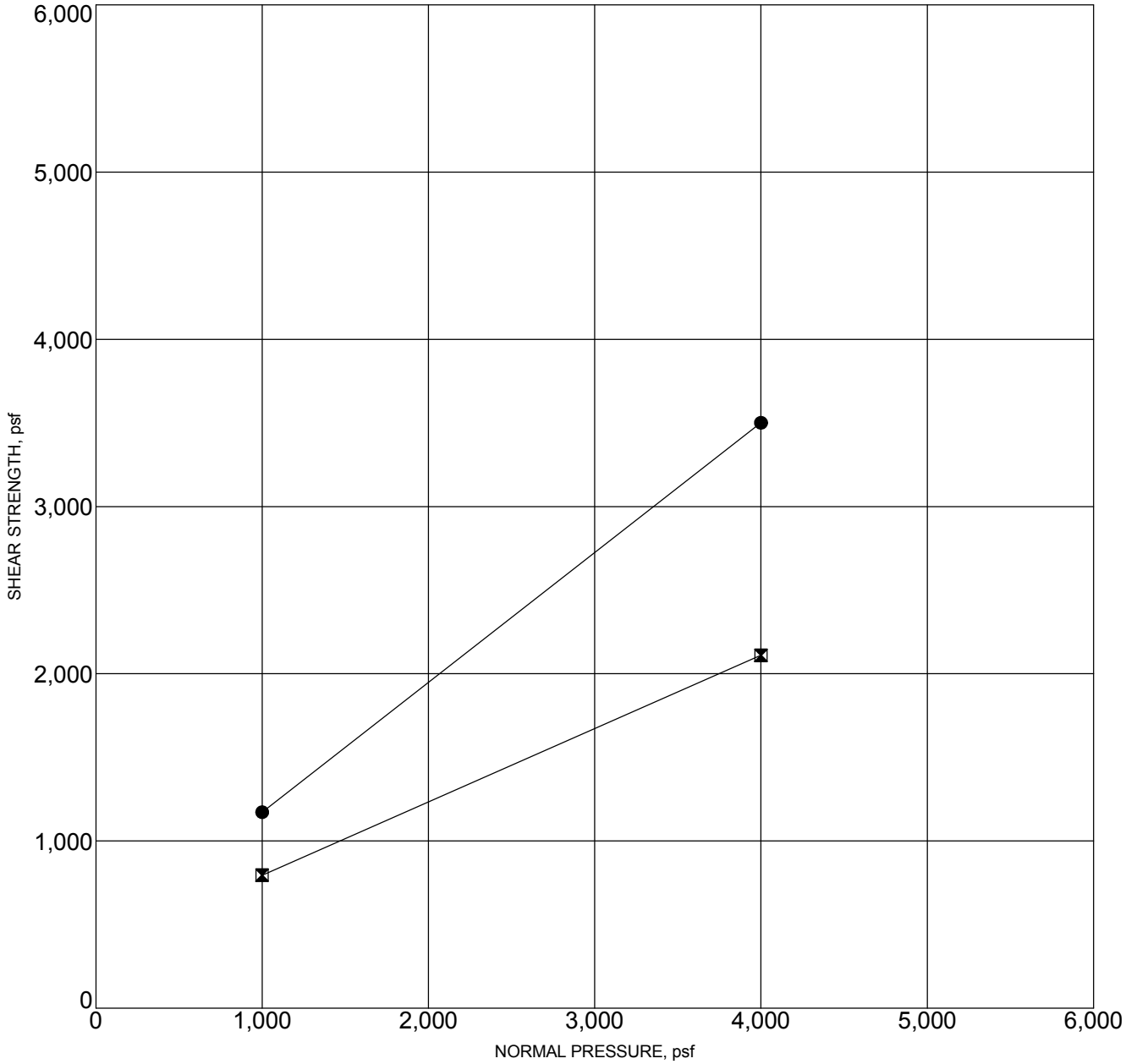
Sample Location		Classification	DD,pcf	MC,%
B-8	10.0	SILTSTONE	98	5.9

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DIRECT SHEAR TEST RESULTS

FIGURE B-10



● **PEAK STRENGTH**
Friction Angle= 38 degrees
Cohesion= 396 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 24 degrees
Cohesion= 357 psf

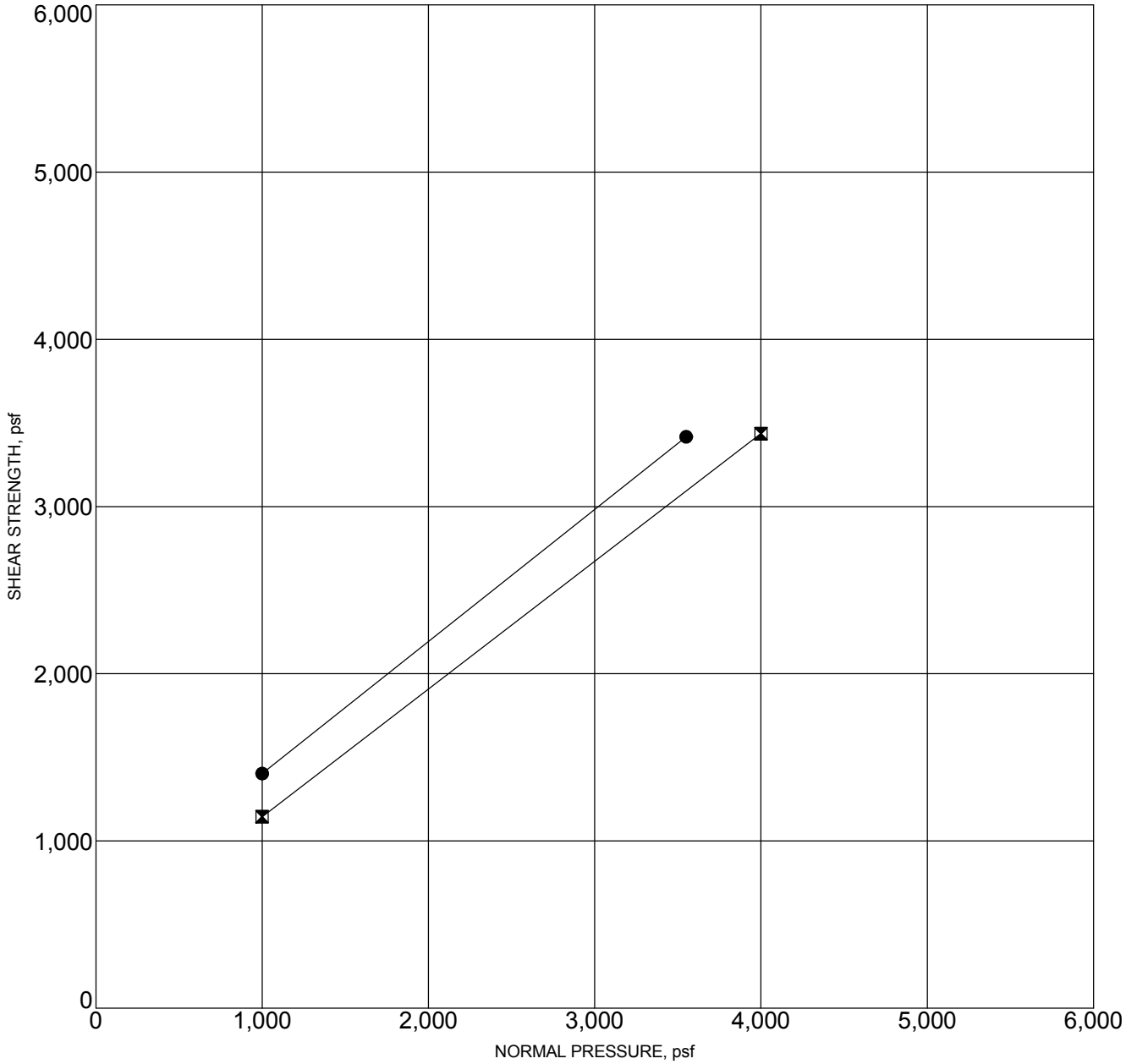
Sample Location		Classification	DD,pcf	MC,%
B-9	7.0	SILTSTONE	100	13.5

PROJECT: KIA CALABASAS PROJECT NO.: 3162.I

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DIRECT SHEAR TEST RESULTS

FIGURE B-11



● **PEAK STRENGTH**
Friction Angle= 38 degrees
Cohesion= 613 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 37 degrees
Cohesion= 381 psf

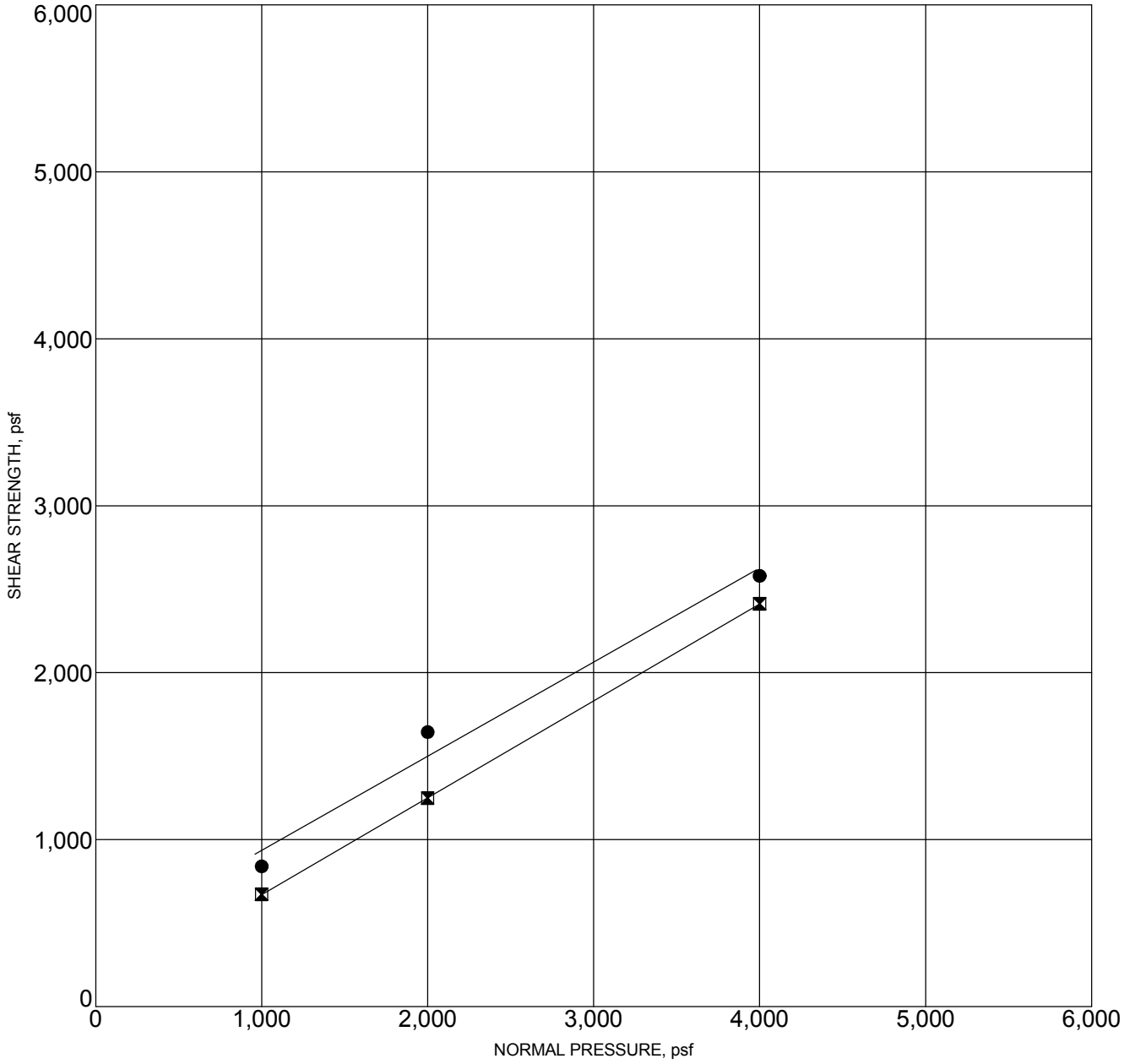
Sample Location		Classification	DD,pcf	MC,%
B-9	13.0	SANDSTONE	99	4.2

PROJECT: KIA CALABASAS PROJECT NO.: 3162.I

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DIRECT SHEAR TEST RESULTS

FIGURE B-12



● **PEAK STRENGTH**
Friction Angle= 29 degrees
Cohesion= 372 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 30 degrees
Cohesion= 90 psf

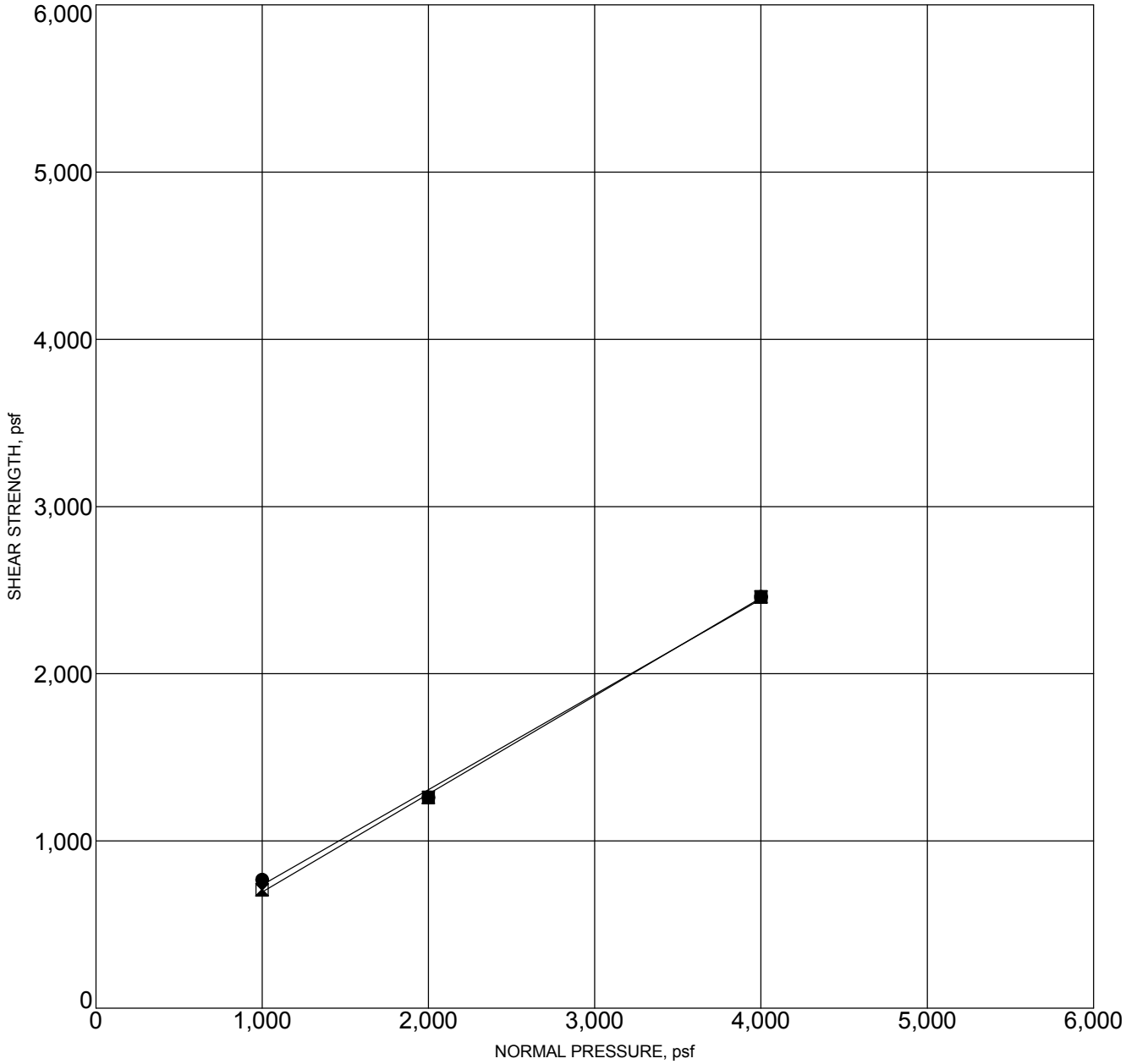
Sample Location		Classification	DD,pcf	MC,%
B-101	7.0	CLAY (CL)	97	20.8

PROJECT: KIA CALABASAS PROJECT NO.: 3162.I

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DIRECT SHEAR TEST RESULTS

FIGURE B-13



● **PEAK STRENGTH**
Friction Angle= 30 degrees
Cohesion= 168 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 30 degrees
Cohesion= 108 psf

Sample Location		Classification	DD,pcf	MC,%
B-102	5.0	SANDY SILT (ML)	102	9.3

PROJECT: KIA CALABASAS PROJECT NO.: 3162.I

GPI

DIRECT SHEAR TEST RESULTS

FIGURE B-14

Table 1 - Laboratory Tests on Soil Samples

Geotechnical Professionals, Inc.
Calabasas
Your #2730.I, HDR Lab #16-0402LAB
31-May-16

Sample ID			B-2 @ 0-5'	B-8 @ 0-5'
Resistivity		**Units**		
as-received		ohm-cm	12,000	52,000
saturated		ohm-cm	440	1,040
pH			6.7	7.0
Electrical Conductivity		mS/cm	1.51	0.29
Chemical Analyses				
Cations				
calcium	Ca^{2+}	mg/kg	780	146
magnesium	Mg^{2+}	mg/kg	107	7.3
sodium	Na^{1+}	mg/kg	323	27
potassium	K^{1+}	mg/kg	150	57
Anions				
carbonate	CO_3^{2-}	mg/kg	ND	ND
bicarbonate	HCO_3^{1-}	mg/kg	174	250
fluoride	F^{1-}	mg/kg	2.0	1.4
chloride	Cl^{1-}	mg/kg	438	14
sulfate	SO_4^{2-}	mg/kg	1,750	65
phosphate	PO_4^{3-}	mg/kg	3.5	ND
Other Tests				
ammonium	NH_4^{1+}	mg/kg	ND	ND
nitrate	NO_3^{1-}	mg/kg	2,240	616
sulfide	S^{2-}	qual	na	na
Redox		mV	na	na

Resistivity per ASTM G187, Cations per ASTM D6919, Anions per ASTM D4327, and Alkalinity per APHA 2320-B.
Electrical conductivity in millisiemens/cm and chemical analyses were made on a 1:5 soil-to-water extract.
mg/kg = milligrams per kilogram (parts per million) of dry soil.
Redox = oxidation-reduction potential in millivolts
ND = not detected
na = not analyzed

431 West Baseline Road · Claremont, CA 91711
Phone: 909.962.5485 · Fax: 909.626.3316

Table 1 - Laboratory Tests on Soil Samples

Geotechnical Professionals, Inc.
KIA Calabasas
Your #3162.I, HDR Lab #22-1094LAB
21-Nov-22

Sample ID			B-101 @ 0-5'
Resistivity		**Units**	
as-received		ohm-cm	4,400
saturated		ohm-cm	1,000
pH			7.9
Electrical Conductivity		mS/cm	0.16
Chemical Analyses			
Cations			
calcium	Ca^{2+}	mg/kg	69
magnesium	Mg^{2+}	mg/kg	ND
sodium	Na^{1+}	mg/kg	65
potassium	K^{1+}	mg/kg	13
ammonium	NH_4^{1+}	mg/kg	ND
Anions			
carbonate	CO_3^{2-}	mg/kg	ND
bicarbonate	HCO_3^{1-}	mg/kg	305
fluoride	F^{1-}	mg/kg	3.1
chloride	Cl^{1-}	mg/kg	11
sulfate	SO_4^{2-}	mg/kg	76
nitrate	NO_3^{1-}	mg/kg	1.3
phosphate	PO_4^{3-}	mg/kg	ND
Other Tests			
sulfide	S^{2-}	qual	na
Redox		mV	na

Resistivity per ASTM G187, pH per ASTM G51, Cations per ASTM D6919, Anions per ASTM D4327, and Alkalinity per APHA 2320-B.

Electrical conductivity in millisiemens/cm and chemical analyses were made on a 1:5 soil-to-water extract.

mg/kg = milligrams per kilogram (parts per million) of dry soil.

Redox = oxidation-reduction potential in millivolts

ND = not detected

na = not analyzed

431 West Baseline Road · Claremont, CA 91711
Phone: 909.962.5485 · Fax: 909.626.3316

CITADEL EHS
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Appendix H
EDR Historical Topo Map Report

24460 Calabasas Road

24460 Calabasas Road

Calabasas, CA 91302

Inquiry Number: 7666271.4

May 29, 2024

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

05/29/24

Site Name:	Client Name:
24460 Calabasas Road	Citadel EHS
24460 Calabasas Road	1725 Victory Boulevard
Calabasas, CA 91302	Glendale, CA 91201
EDR Inquiry # 7666271.4	Contact: Kyle Johnston

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Citadel EHS were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	NA	**Latitude:**	34.148646 34° 8' 55" North
Project:	7109.1095.0	**Longitude:**	-118.659608 -118° 39' 35" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	346998.30
		UTM Y Meters:	3779881.83
		Elevation:	1174.37' above sea level

Maps Provided:

2022	1944
2018	1932
2015	1929
2012	1928
1976, 1981	1925
1967	1903
1951, 1952	
1947	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2022 Source Sheets



Calabasas
2022
7.5-minute, 24000



Malibu Beach
2022
7.5-minute, 24000

2018 Source Sheets



Calabasas
2018
7.5-minute, 24000



Malibu Beach
2018
7.5-minute, 24000

2015 Source Sheets



Calabasas
2015
7.5-minute, 24000



Malibu Beach
2015
7.5-minute, 24000

2012 Source Sheets



Calabasas
2012
7.5-minute, 24000



Malibu Beach
2012
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1976, 1981 Source Sheets



Calabasas
1976
7.5-minute, 24000
Aerial Photo Revised 1976



Malibu Beach
1981
7.5-minute, 24000
Aerial Photo Revised 1978



MALIBU SPRINGS
1981
7.5-minute, 24000
Photo Revised 1981

1967 Source Sheets



Malibu Beach
1967
7.5-minute, 24000
Aerial Photo Revised 1967



Calabasas
1967
7.5-minute, 24000
Aerial Photo Revised 1967



MALIBU SPRINGS
1967
7.5-minute, 24000
Photo Revised 1967

1951, 1952 Source Sheets



Malibu Beach
1951
7.5-minute, 24000
Aerial Photo Revised 1947



MALIBU SPRINGS
1951
7.5-minute, 24000



Calabasas
1952
7.5-minute, 24000
Aerial Photo Revised 1947

1947 Source Sheets



CALABASAS
1947
15-minute, 50000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1944 Source Sheets



Calabasas
1944
15-minute, 62500
Aerial Photo Revised 1938

1932 Source Sheets



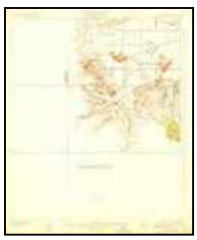
Dry Canyon
1932
7.5-minute, 24000

1929 Source Sheets



Dry Canyon
1929
7.5-minute, 24000

1928 Source Sheets



Dry Canyon
1928
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1925 Source Sheets



Dry Canyon
1925
7.5-minute, 24000

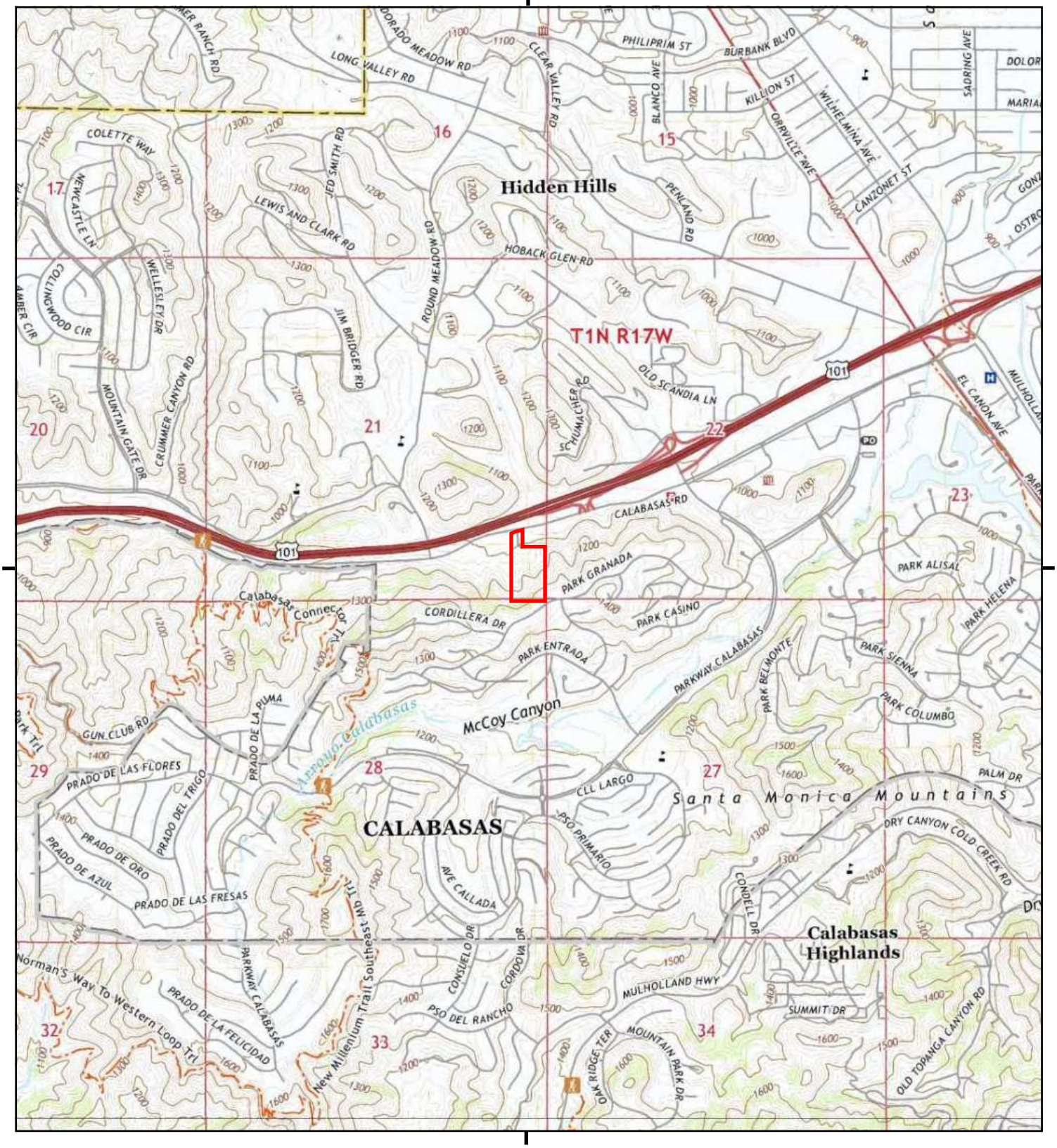
1903 Source Sheets



Calabasas
1903
15-minute, 62500

Historical Topo Map

2022



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

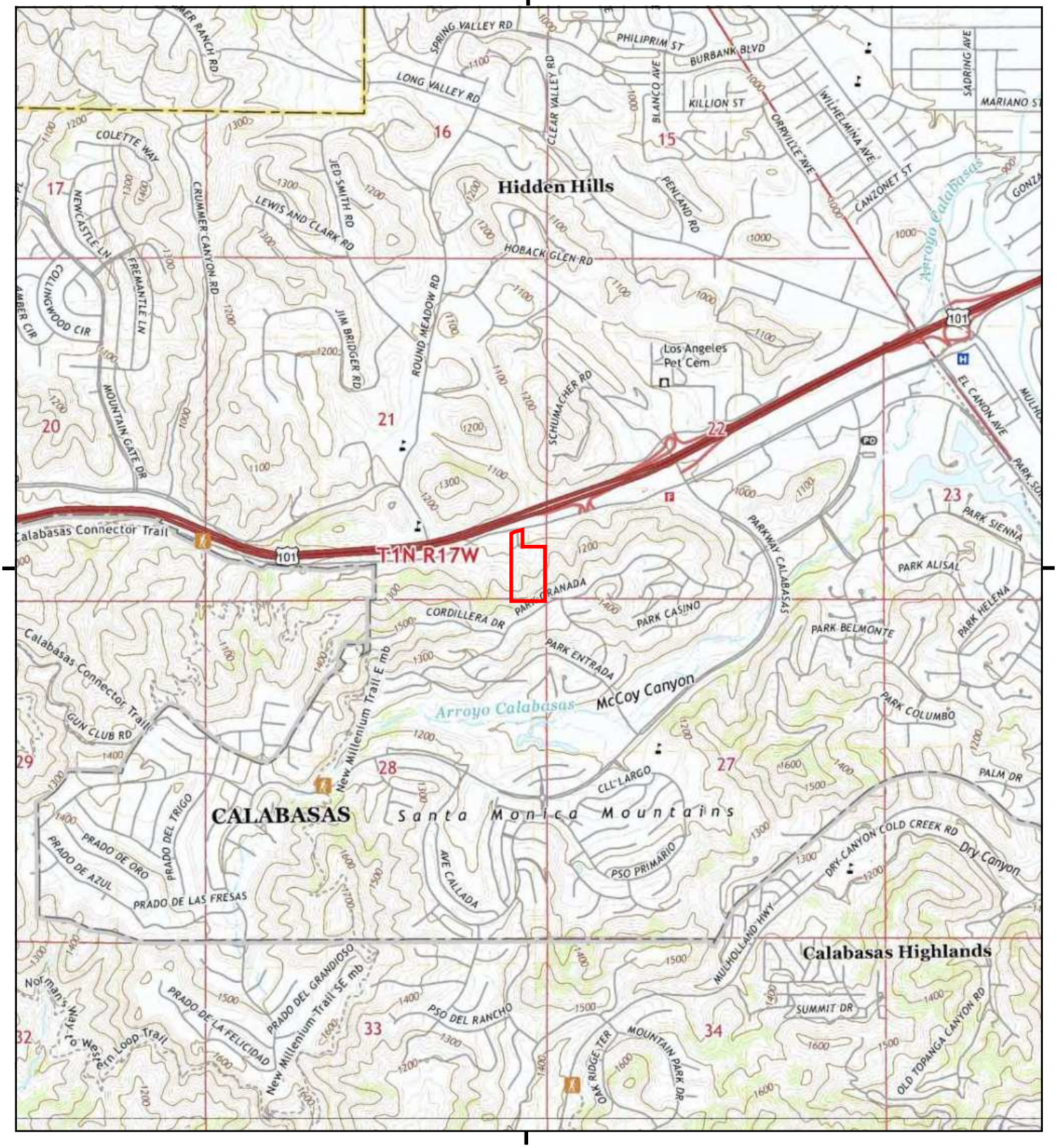
TP, Calabasas, 2022, 7.5-minute
S, Malibu Beach, 2022, 7.5-minute

SITE NAME: 24460 Calabasas Road
ADDRESS: 24460 Calabasas Road
Calabasas, CA 91302
CLIENT: Citadel EHS

N

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Calabasas, 2018, 7.5-minute
S, Malibu Beach, 2018, 7.5-minute

SITE NAME: 24460 Calabasas Road
ADDRESS: 24460 Calabasas Road
Calabasas, CA 91302
CLIENT: Citadel EHS

N

Historical Topo Map

2015



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

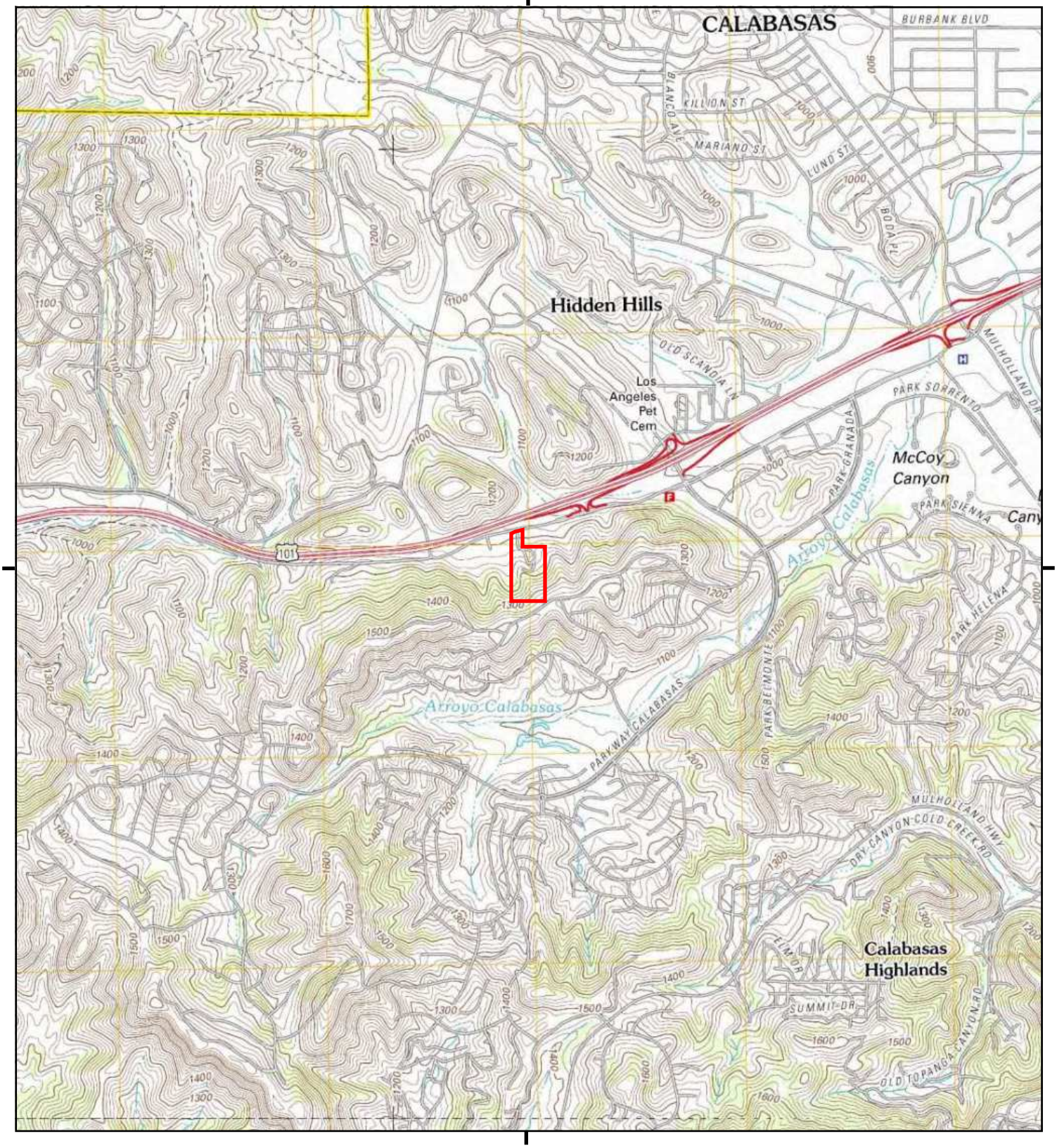
TP, Calabasas, 2015, 7.5-minute
S, Malibu Beach, 2015, 7.5-minute

SITE NAME: 24460 Calabasas Road
ADDRESS: 24460 Calabasas Road
Calabasas, CA 91302
CLIENT: Citadel EHS

N

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Calabasas, 2012, 7.5-minute
S, Malibu Beach, 2012, 7.5-minute

SITE NAME: 24460 Calabasas Road
ADDRESS: 24460 Calabasas Road
Calabasas, CA 91302
CLIENT: Citadel EHS

N

Historical Topo Map

1976, 1981



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

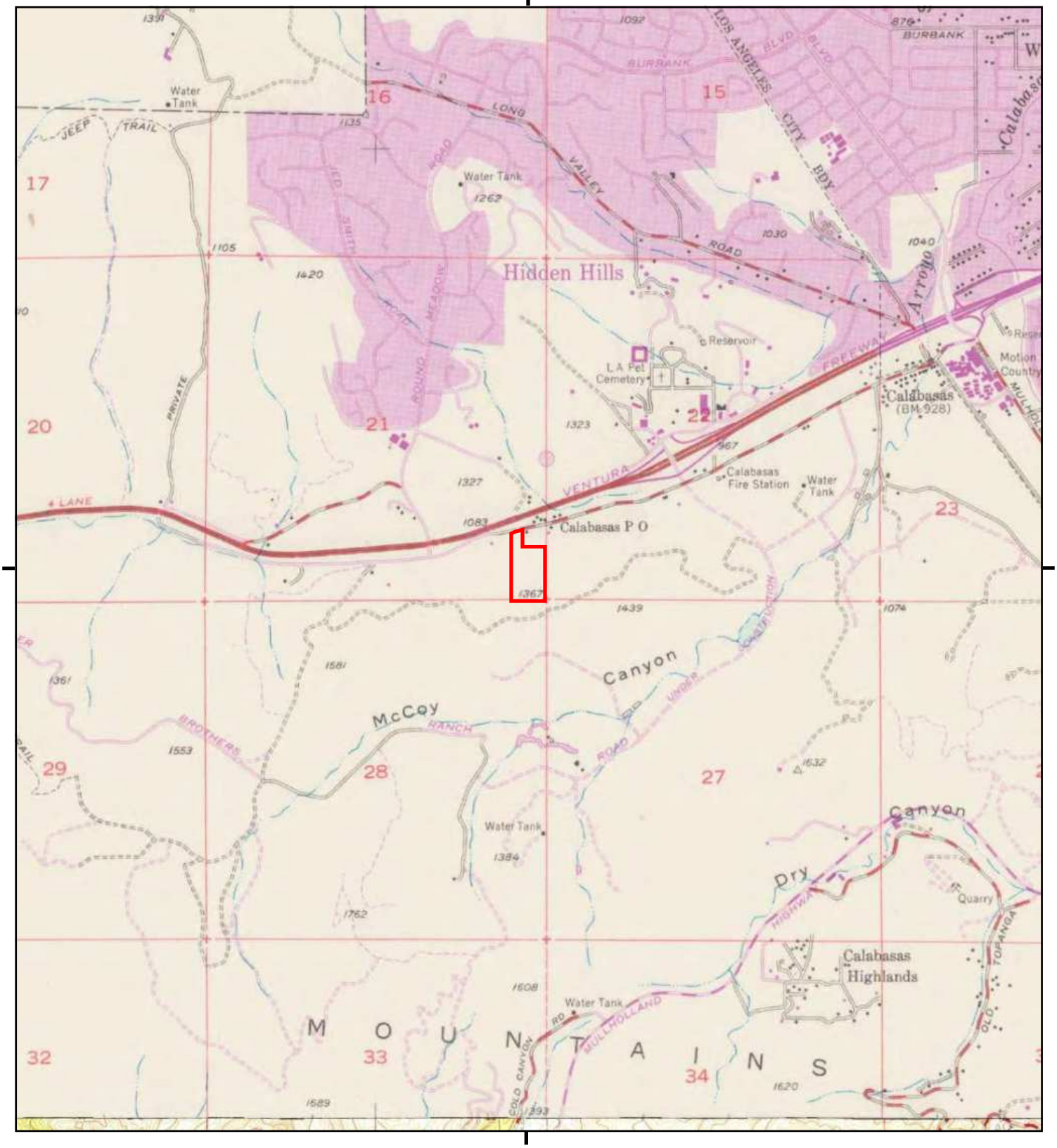
TP, Calabasas, 1976, 7.5-minute
S, Malibu Beach, 1981, 7.5-minute
S, MALIBU SPRINGS, 1981, 7.5-minute

SITE NAME: 24460 Calabasas Road
ADDRESS: 24460 Calabasas Road
Calabasas, CA 91302
CLIENT: Citadel EHS

N

Historical Topo Map

1967



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

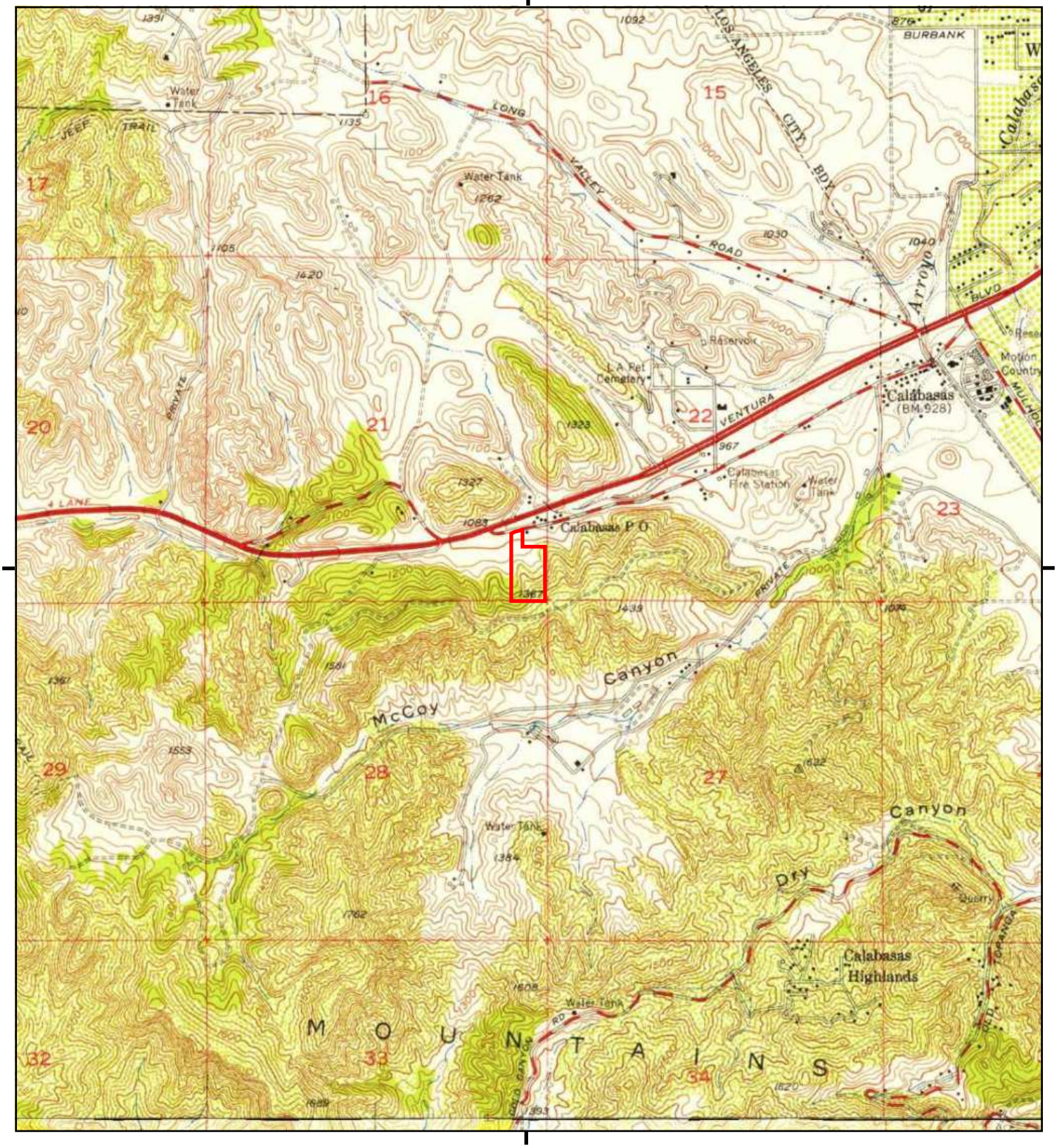
TP, Calabasas, 1967, 7.5-minute
S, Malibu Beach, 1967, 7.5-minute
S, MALIBU SPRINGS, 1967, 7.5-minute

SITE NAME: 24460 Calabasas Road
ADDRESS: 24460 Calabasas Road
Calabasas, CA 91302
CLIENT: Citadel EHS

N

Historical Topo Map

1951, 1952



This report includes information from the following map sheet(s).

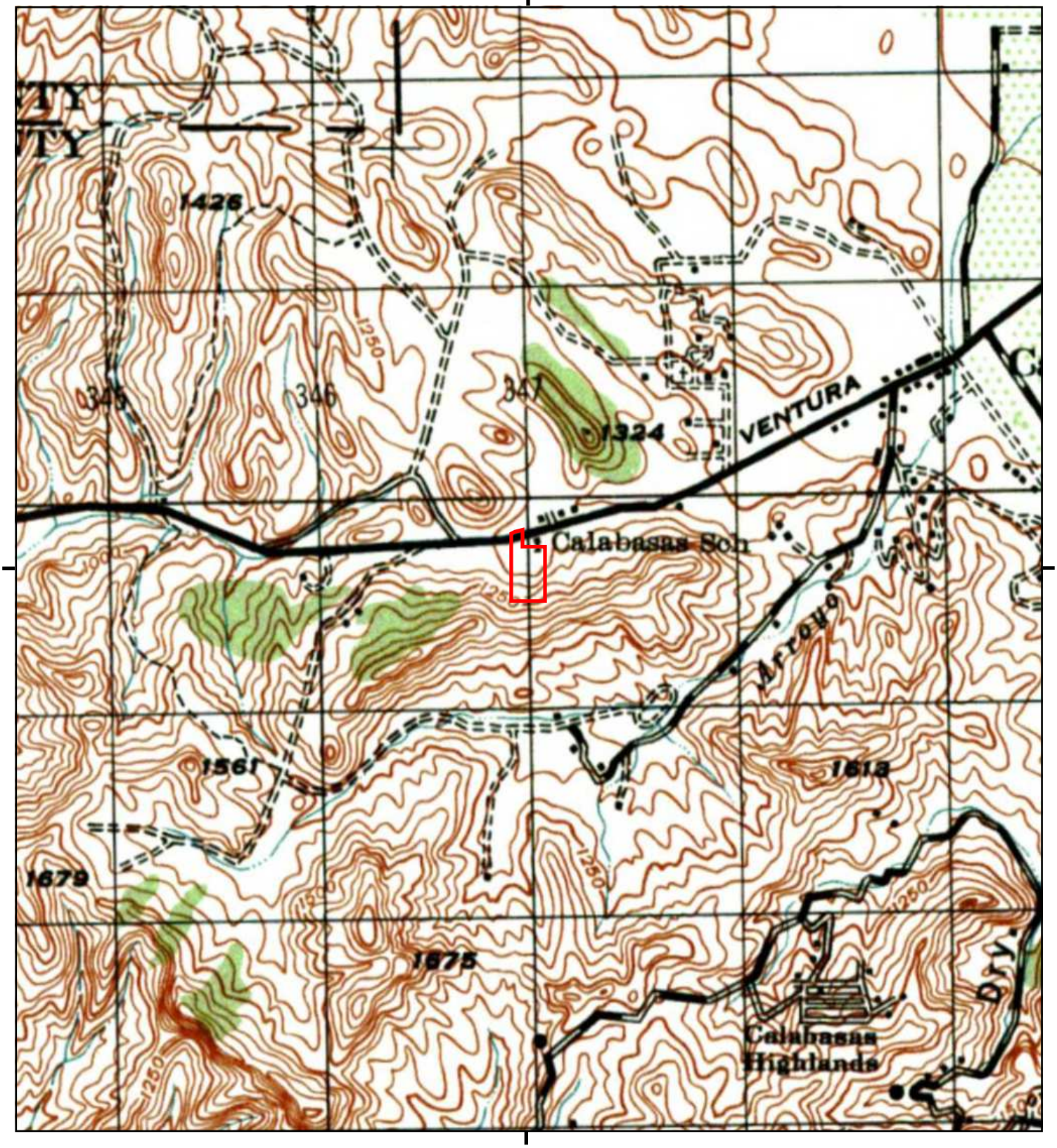
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Calabasas, 1952, 7.5-minute
S, Malibu Beach, 1951, 7.5-minute
S, MALIBU SPRINGS, 1951, 7.5-minute

SITE NAME: 24460 Calabasas Road
ADDRESS: 24460 Calabasas Road
Calabasas, CA 91302
CLIENT: Citadel EHS

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

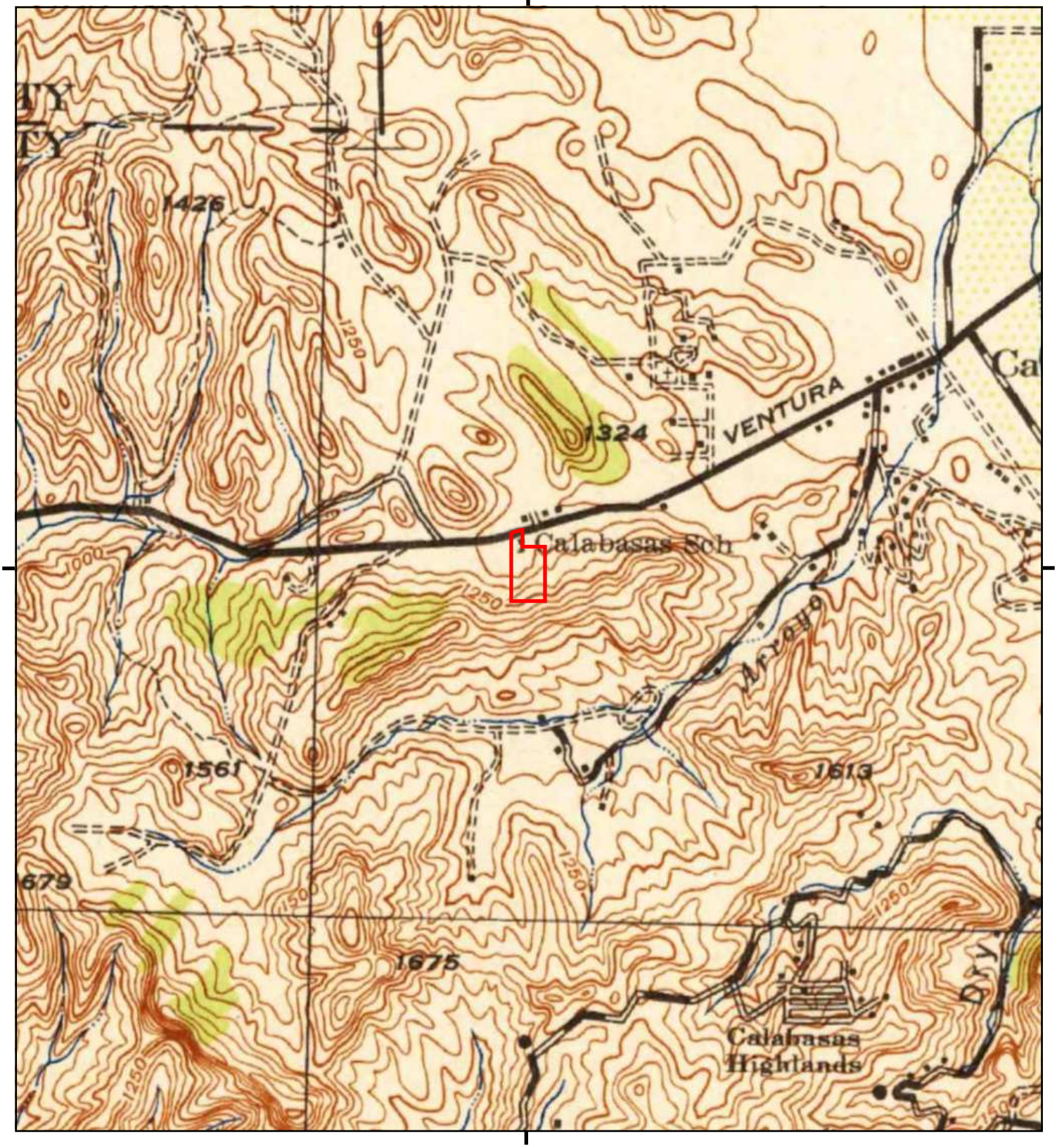
TP, CALABASAS, 1947, 15-minute

SITE NAME: 24460 Calabasas Road
ADDRESS: 24460 Calabasas Road
Calabasas, CA 91302
CLIENT: Citadel EHS

N

Historical Topo Map

1944



This report includes information from the following map sheet(s).

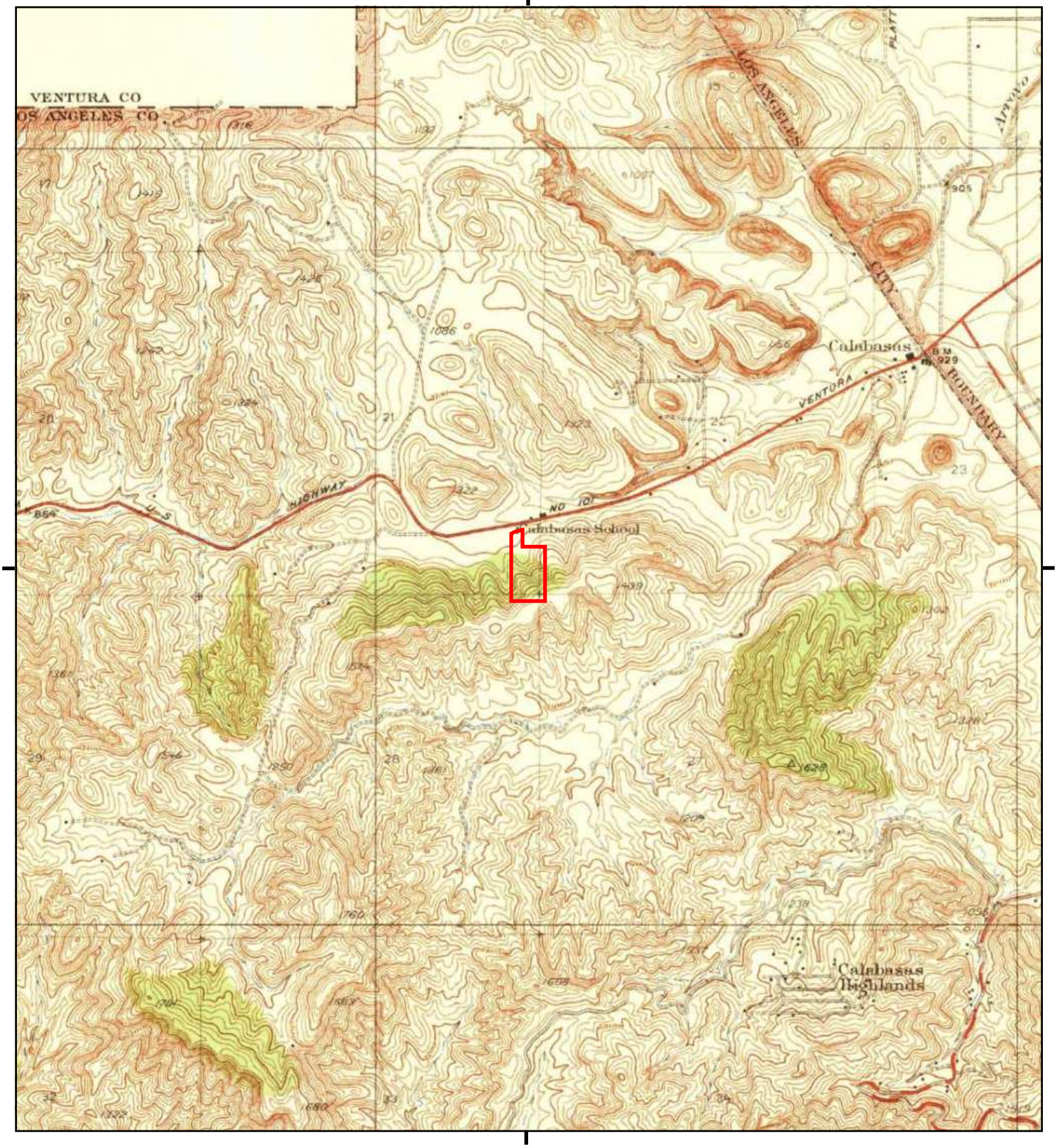
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Calabasas, 1944, 15-minute

SITE NAME: 24460 Calabasas Road
ADDRESS: 24460 Calabasas Road
Calabasas, CA 91302
CLIENT: Citadel EHS

N



This report includes information from the following map sheet(s).

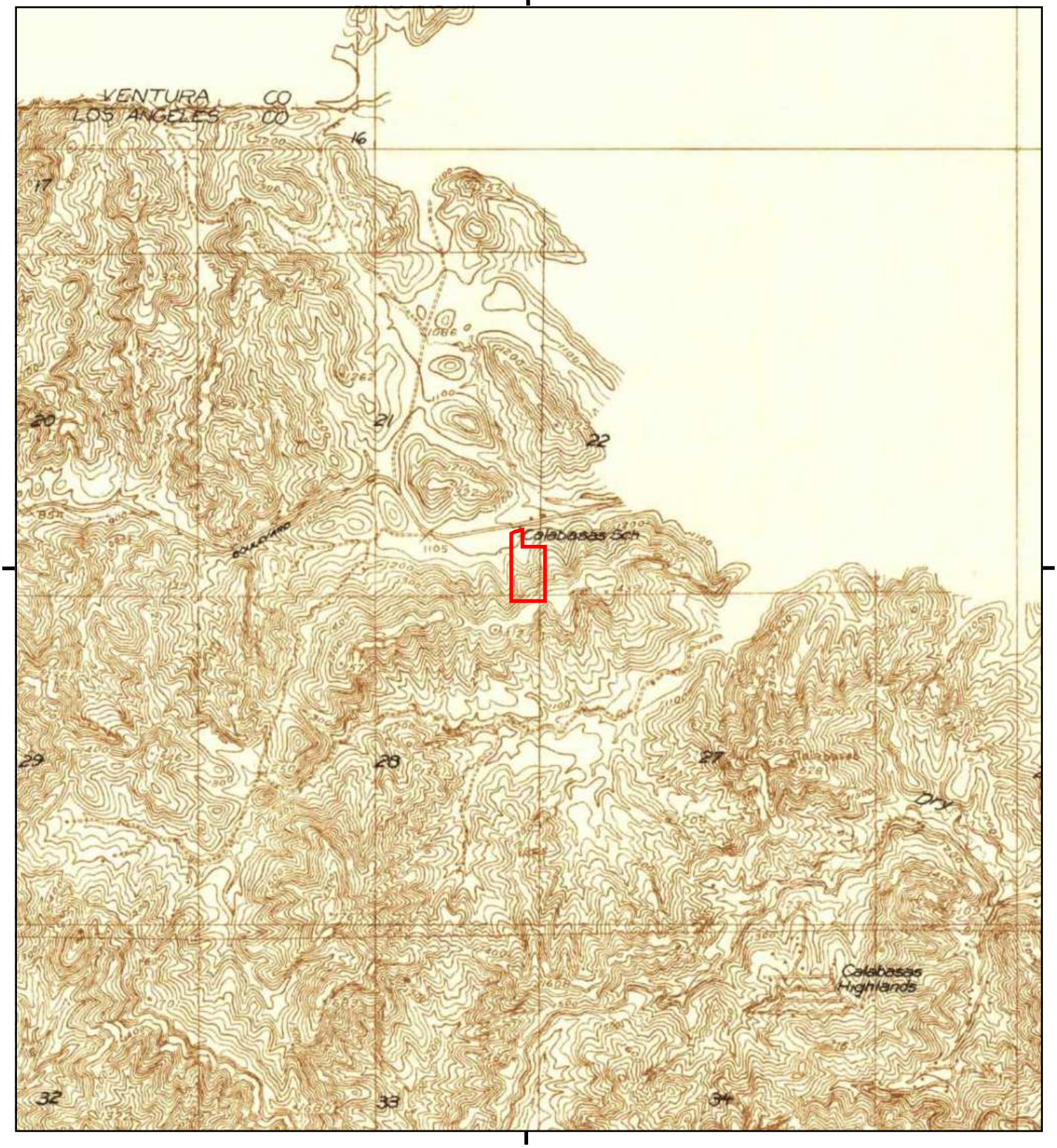
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Dry Canyon, 1932, 7.5-minute

SITE NAME: 24460 Calabasas Road
ADDRESS: 24460 Calabasas Road
Calabasas, CA 91302
CLIENT: Citadel EHS

N



This report includes information from the following map sheet(s).

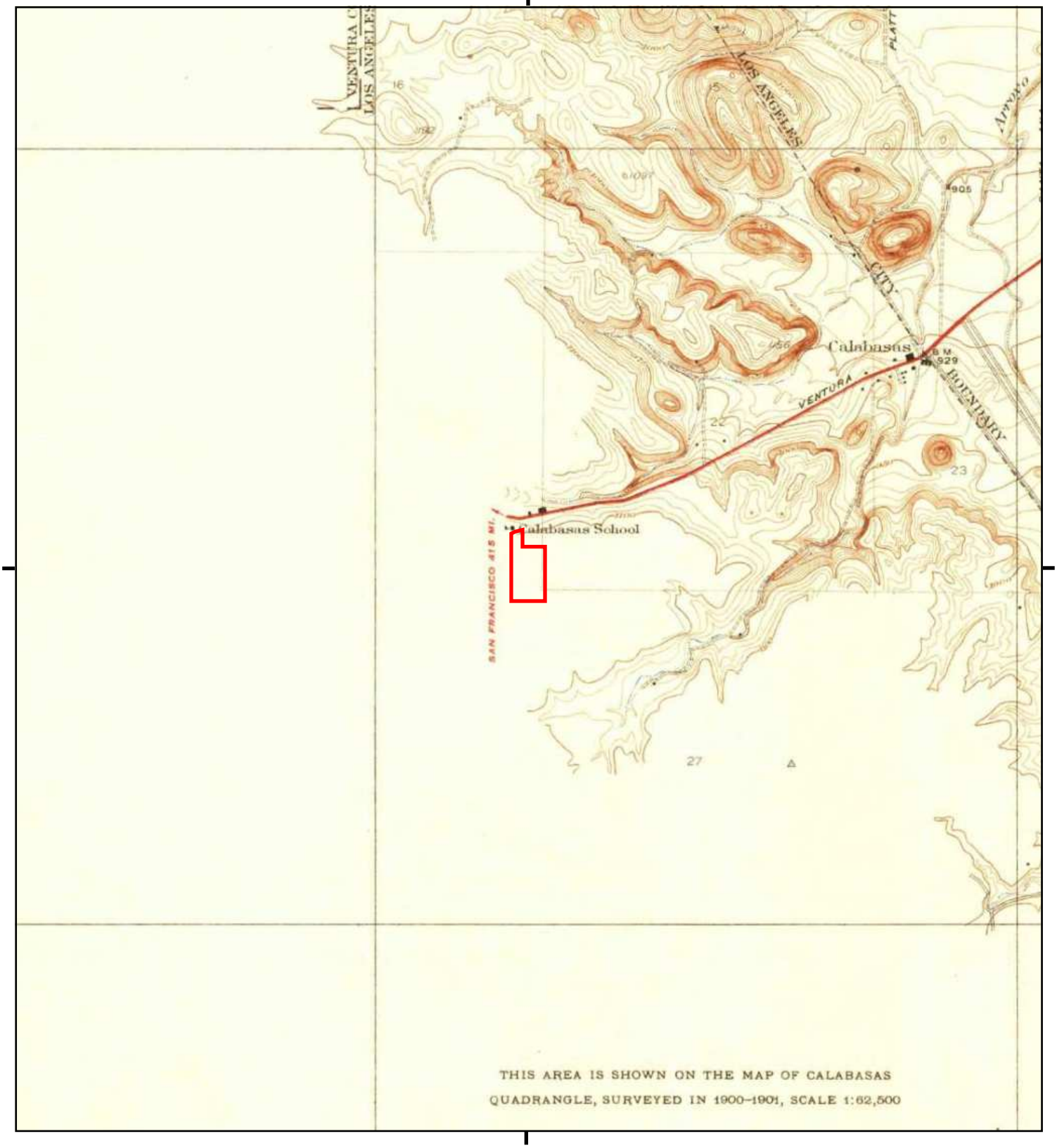
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Dry Canyon, 1929, 7.5-minute

SITE NAME: 24460 Calabasas Road
ADDRESS: 24460 Calabasas Road
Calabasas, CA 91302
CLIENT: Citadel EHS

N



This report includes information from the following map sheet(s).

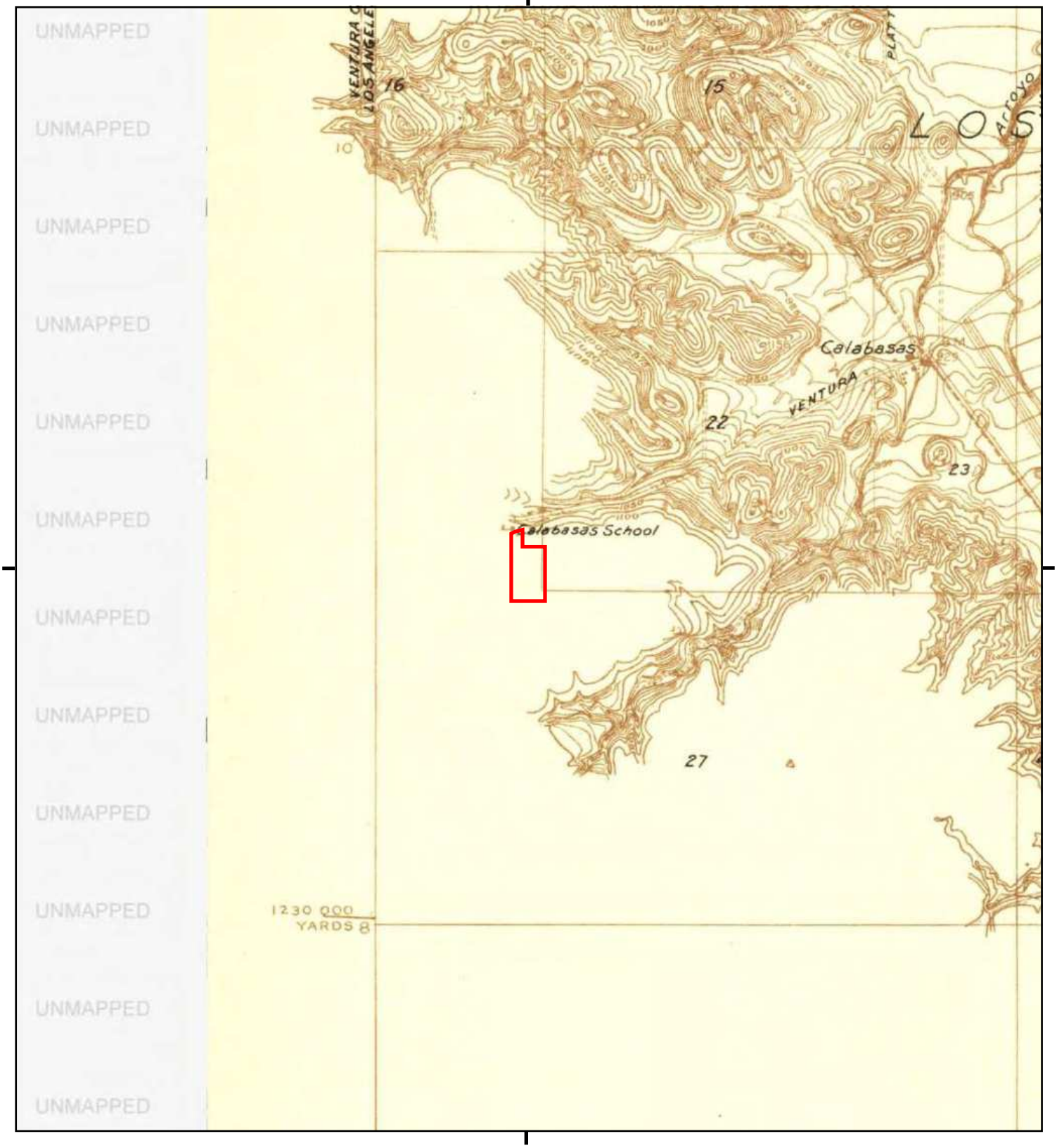
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Dry Canyon, 1928, 7.5-minute

SITE NAME: 24460 Calabasas Road
ADDRESS: 24460 Calabasas Road
Calabasas, CA 91302
CLIENT: Citadel EHS

N



This report includes information from the following map sheet(s).

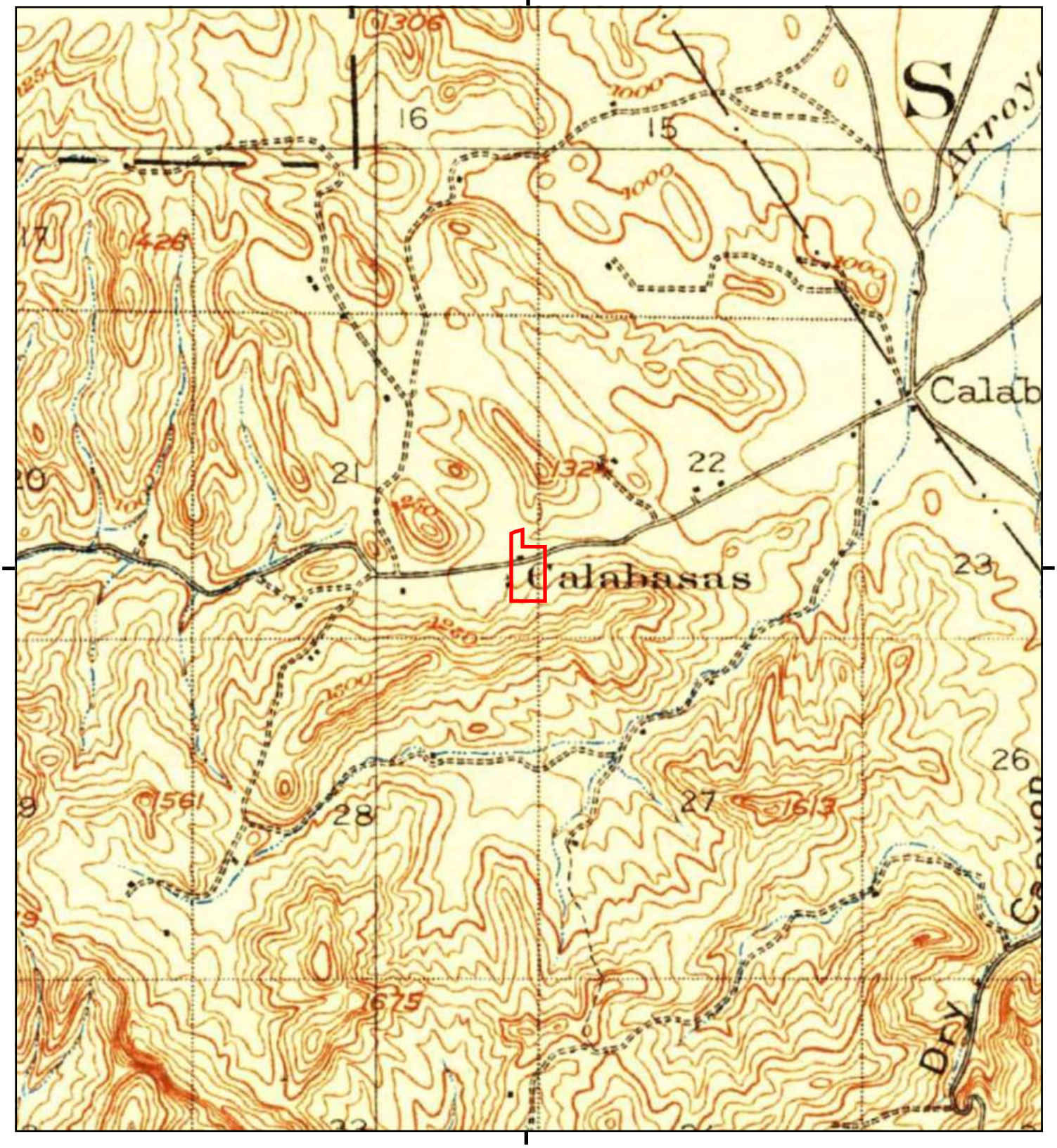
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Dry Canyon, 1925, 7.5-minute

SITE NAME: 24460 Calabasas Road
ADDRESS: 24460 Calabasas Road
Calabasas, CA 91302
CLIENT: Citadel EHS

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Calabasas, 1903, 15-minute

SITE NAME: 24460 Calabasas Road
ADDRESS: 24460 Calabasas Road
Calabasas, CA 91302
CLIENT: Citadel EHS

N

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Appendix I
User Questionnaire

DATE SENT: DATE DUE: _____

HOW SENT (Circle): Fax / Email FAX / EMAIL:

User Questionnaire	
Client	Hello Calabasas RE, LLC / Hello K Calabasas LLC
Contact Name	Chris Morris
Contact Title	VP of Operations
Phone/Fax/Email	(952) 292-5145 / chris.morris@helloautogroup.com
Completed by?	Greg Stolrow
Response Date	6-20-24
Form of Response	Written
Current Use of the Property	Vacant
Reason for Performing Phase I	Auto dealership construction

Please include the name of the Companies who provide your utilities, so we can contact each agency:

Utilities	
Electricity	SCE
Natural Gas	Southern California Gas Company
Sewage	
Sanitary Sewerage	
Solid Waste Removal	
Fuel Oil	N/A
Steam	N/A

Please include the Name and Company of Each of the following individuals:

User	Name	Company
Key Site Manager	**Chris Morris**	**Hello Auto Group**
Current Property Owner		**Hello Calabasas Re, LLC**
Current Property Owner Representative	**Chris Morris**	**Hello Auto Group**
Occupants	**N/A**	
Major Occupants	**N/A**	
Current Operator Name	**N/A**	
Past Property Owner(s)	**William Slevin**	
Past Property Owner Representative(s)	**Not Known**	
Other Past Property Owner(s)	**Not known**	
Past Operator Name(s)	**N/A**	
Past Occupant(s)	**N/A**	
Past Major Occupant(s)	**N/A**	
Broker(s)	**Jodi Meade**	**Avision Young, Los Angeles**
Property Manager	**N/A**	
Building Engineer	**N/A**	
Other		

TITLE & JUDICIAL RECORDS

Per ASTM E 1527-13 Section 6.2, the User is required to provide and/or report to the environmental professional any title and/or judicial records so identified for the subject property.

Please provide any information on title and/or judicial records:

ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

Per ASTM E 1527-13 the User is required to provide and/or report to the environmental professional any environmental liens or AULs so identified for the subject property. The environmental professional per the ASTM practice is not responsible to undertake a review of information to identify environmental liens or AULs.

Please provide any information on environmental liens or activity and use limitations (AULs):
None known

SPECIALIZED OR ACTUAL KNOWLEDGE OF USER

Per the ASTM standard, it is the User's responsibility to communicate to the environmental professional any information that is material to recognized environmental conditions in connection with the subject property based on such specialized knowledge, actual knowledge, experience, or commonly known and reasonably ascertainable information within the local community.

Please provide any information of the following items:

ASTM Scope Item	Property Contact Aware of them (Y/N)	Comment
USTs	N	
ASTs	N	
PCB Electrical Equipment	N	
Hydraulic Equipment	N	
Chemicals, Hazardous Materials, and Raw Materials Storage and Usage	N	
Waste Generation, Storage and Disposal	N	
Wells, Sumps, Pits, and Floor Drains	N	
Stormwater Runoff and Surface Water	N	
Lagoons, Septic Systems, Wastewater Treatment, and Separators	N	
Stressed Vegetation, Staining and Odors	N	
Surficial Disturbances	N	
On-Property Dry Cleaners	N	

NON-ASTM Scope Item	Property Contact Aware of them (Y/N)	Comment
Asbestos Containing Materials	N	
Radon	N	
Lead-Based Paint	N	
Lead in Drinking Water	N	
Potable Well	N	
Potential Wetlands	N	
Air Emissions	N	
Mold/Water Intrusion	N	

Please refer to "Helpful Documents" section below to provide any relevant reports associated with the above items.

VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

(For Property Owner) Per the ASTM standard, in a transaction involving the purchase of a parcel of commercial real estate, the user shall consider the relationship of the purchase price of the property to the fair market value of the property if the property was not affected by hazardous substances or petroleum products. The User should try to identify an explanation for a significantly lower price which does not reasonably reflect fair market value if the property was not contaminated, and make a written record of such explanation. The ASTM standard does not require that a real estate appraisal be obtained in order to ascertain fair market value of the property. **None known**

PROCEEDINGS INVOLVING THE PROPERTY

Per the ASTM standard, prior to the site visit, the User (if different from the property owner), Key site manager (if any is identified), and property owner shall be asked whether they know of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; (2) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

- **Do you know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, or from the property? Y / N**
  If yes, please explain:

- **Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? Y / N**
  If yes, please explain:

HELPFUL DOCUMENTS

Per the ASTM Standard, Prior to the property visit, the Property owner, key site manager (if any is identified), and User (if different from the property owner) shall be asked if they know whether any of the documents below exist and if so, whether copies can and will be provided within reasonable time and cost constraints:

	User		Key Site Manager		Property Owner	
	Exist	Provided	Exist	Provided	Exist	Provided
ESA Reports						
Environmental Compliance Audit Reports						
Environmental Permits UST/AST Registrations						
Underground Injection Permits						
MSDS's						
Community Right-to-know plan						
Safety Plans						
SPCC Plans						
Emergency Preparedness and prevention plans						
Hydrogeologic reports						
Government Agency Correspondence and violations						
Hazardous Waste Generator Notices or reports						
Geotechnical studies						
Risk Assessments						
Recorded AULs						
Environmental Liens						
Other						

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Appendix J
EDR Environmental Lien and AUL Search

24460 Calabasas Road
24460 Calabasas Road
Calabasas, CA 91302

Inquiry Number: 7666271.7
May 30, 2024

EDR Environmental Lien and AUL Search

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations (AULs), such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel number and/or legal description
- search for ownership information
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.
- search for publicly available environmental encumbering instrument(s) filed on or after the recording of the current deed; between the recording of the current deed and the most current publicly available date
- provide a copy of any environmental encumbrance(s)
- provide a copy of the current deed when available

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

24460 Calabasas Road
24460 Calabasas Road
Calabasas, CA 91302

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

RESEARCH SOURCE

Source 1:

LARecorder
Los Angeles, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	deed
Title is vested in:	Hello Calabasas RE LLC
Title received from:	Hello Auto Holdings LLC
Deed Dated	4/19/2023
Deed Recorded:	4/27/2023
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	Hello Calabasas RE LLC
Parcel # / Property Identifier:	2069-009-020
Comments:	See Exhibit

Deed Exhibit 1

This page is part of your document - DO NOT DISCARD

20230272217

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

04/27/23 AT 08:00AM

Pages:
0006

FEES:	46.00
TAXES:	0.00
OTHER:	0.00
SB2:	75.00
PAID:	121.00

LEADSHEET

202304270110023

00023392589

014040881

SEQ:
01

SECURE - 8:00AM

THIS FORM IS NOT TO BE DUPLICATED

E492668

423240144

RECORDING REQUESTED BY
LAWYERS TITLE COMPANY / EPN

RECORDING REQUESTED BY:

Hello Auto Group

WHEN RECORDED MAIL DEED AND TAX STATEMENTS TO:

Hello Auto Group
Attn: Silke Cavalcanti
24111 Creekside Rd
Valencia, CA 91355

(Above Space for Recorder's Use Only)

ASSESSOR'S PARCEL NO(S):
2069-009-020
2069-009-008

GRANT DEED

THE UNDERSIGNED GRANTOR HEREBY DECLARES:

DOCUMENTARY TRANSFER TAX is $0. CITY TRANSFER TAX is $0.

☐computed on the consideration or full value of the property conveyed, or
☐computed on consideration or full value less the value of liens or encumbrances remaining at time of sale
☐Unincorporated ☐City of Calabasas

REASON FOR NO TAX DUE:

THE TRANSFER IS EXEMPT FROM DOCUMENTARY TRANSFER TAX. THE GRANTOR AND THE GRANTEE IN THIS CONVEYANCE ARE COMPRISED OF THE SAME PARTIES WHO CONTINUE TO HOLD THE SAME PROPORTIONATE INTEREST IN THE SUBJECT PROPERTY, CALIFORNIA REVENUE AND TAXATION CODE SECTION 11925(d).

FOR GOOD AND VALUABLE CONSIDERATION, the receipt and sufficiency of which are hereby acknowledged, Hello Auto Holdings, LLC, a Delaware limited liability company ("**Grantor**"), hereby grants to Hello Calabasas RE LLC, a Delaware limited liability company ("**Grantee**"), all of its right, title and interest to that certain real property situated in the City of Calabasas, County of Los Angeles, State of California and more particularly described on Exhibit A attached hereto and by this reference incorporated herein (the "**Property**").

[Signatures on Next Page]

Hello Auto Holdings, LLC, a Delaware limited liability company

By: _____

Name: Kurt Schmidt

Title: President

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Los Angeles } ss

On April 11, 2023 before me, Jackie Carnesperel a Notary Public, personally appeared Kurt _____ who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/their/her authorized capacity, and that by his/her/their signature on the instrument, Hello Auto Holdings, LLC, a Delaware limited liability company, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (SEAL)

See attached

See Attached Notarial Cert.

California All-Purpose Acknowledgment

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Los Angeles

On April 19, 2023 before me, Jackie CaceresPerez Notary Public
Name of Notary Public, Title

personally appeared Karl A. Schmidt

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to be within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under **PENALTY OF PERJURY** under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal.

JACKIE CACERESPEREZ
Notary Public - California
Los Angeles County
Commission # 2427938
My Comm. Expires Dec 19, 2026

Signature of Notary Public

Seal

OPTIONAL INFORMATION

Although the information in this section is not required by law, it could prevent fraudulent removal and reattachment of this acknowledgment on unauthorized document and may prove useful to persons relying on the document.

Description of Attached Document

The preceding Certificate of Acknowledgment is attached to a

Grant deed
Title or description of Document

containing, 2 pages, and dated NA.

By: Karl A. Schmidt

EXHIBIT A

LEGAL DESCRIPTION OF THE PROPERTY

All that certain real property situated in the County of Los Angeles, State of California, described as follows:

PARCEL A:

Parcel 1 of Parcel Map No. 5932, in the City of Calabasas, County of Los Angeles, State of California, as per map recorded in Book 67, Pages 40 and 41 of Parcel Maps, in the Office of the County Recorder of said County.

PARCEL B:

That portion of the Southeast Quarter of Section 21, Township 1 North, Range 17 West, San Bernardino Base and Meridian, in the County of Los Angeles, State of California, according to the Official Plat of said land filed in the District Land Office, September 25, 1896, bounded Easterly and Southerly by the Easterly and Southerly lines of said Southeast Quarter, bounded Northerly by the Southerly line of Calabasas Road, as it now existed of record on March 9, 1965, and bounded Westerly by the following described line:

Beginning at the intersection of the Southerly line of said Southeast Quarter with a line parallel with and 60 feet Westerly measured at right angles, from the Southerly prolongation of the Westerly line of the land described in the deed to the Calabasas School District of Los Angeles recorded February 13, 1930 as Instrument No. 1724, in Book 9719, Page 244, of Official Records, in the Office of the County Recorder of said County, said point of intersection being 528.29 feet Westerly more or less from the Southeast corner of said Southeast Quarter; thence Northerly along said parallel line, to said Southerly line of the land described in said deed recorded in Book 14302, Page 296 of said Official Records.

Except any portion thereof owned by the Calabasas School District of Los Angeles County as set forth in deed recorded February 13, 1930 in Book 9719, Page 244, of Official Records.

Except two-fifths interest in and to all oil, gas and/or other hydrocarbon substances and minerals, in, on or under said land, as reserved in the deed from Viola E. Middagh, recorded in Book 22560, Page 440, Official Records of said County.

By Quitclaim Deed dated September 11, 1975 and recorded September 12, 1975 as Instrument No. 5982, Louis Harson quitclaimed to Carol Schindelheim all his interest in all oil, gas and other hydrocarbon substances, lying in and utilities under a depth of 500 feet below the surface of said land, but without any right of entry upon the surface of said land.

Also except therefrom any portion of said land lying within Parcel Map No. 5932, as per map recorded in Book 67, Pages 40 and 41 of Parcel Maps.

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Appendix K
EDR Radius Map Report

24460 Calabasas Road
24460 Calabasas Road
Calabasas, CA 91302

Inquiry Number: 7666271.2s
May 29, 2024

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	219
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-10
Physical Setting Source Map Findings	A-12
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

24460 CALABASAS ROAD
CALABASAS, CA 91302

COORDINATES

Latitude (North):	34.1486460 - 34° 8' 55.12''
Longitude (West):	118.6596080 - 118° 39' 34.58''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	346994.8
UTM Y (Meters):	3779687.0
Elevation:	1168 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	50005740 CALABASAS, CA
Version Date:	2022

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200515
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
24460 CALABASAS ROAD
CALABASAS, CA 91302

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	BOB SMITH BMW	24500 CALABASAS RD	CERS HAZ WASTE, CERS TANKS, LOS ANGELES CO. HMS,..	Lower	304, 0.058, NW
A2	COMPLETE AUTOMOTIVE	24500 CALABASAS RD	RCRA-VSQG	Lower	304, 0.058, NW
A3	BOB SMITH BMW	24500 CALABASAS RD	RCRA NonGen / NLR	Lower	304, 0.058, NW
B4	LAS VIRGENES MWD	24303 W CALABASAS RD	SWEEPS UST, CHMIRS, LOS ANGELES CO. HMS	Lower	574, 0.109, NNE
B5	1X LAS VIRGENES MUNI	24303 CALABASAS RD	RCRA NonGen / NLR	Lower	574, 0.109, NNE
C6	DCH AUDI CALABASAS	24650 CALABASAS RD	CERS HAZ WASTE, CERS TANKS, LOS ANGELES CO. HMS,..	Lower	621, 0.118, West
C7	FRO ENTERPRISES	24650 CALABASSAS RD	SWEEPS UST	Lower	621, 0.118, West
C8	DCH AUDI CALABASAS	24650 CALABASAS ROAD	RCRA-LQG	Lower	621, 0.118, West
C9	ACURA 101 WEST	24650 CALABASAS RD	RCRA-SQG, FINDS, ECHO, LOS ANGELES CO. HMS	Lower	621, 0.118, West
10	HOVHANNES NAZARYAN	24366 LA MASINA COUR	RCRA NonGen / NLR	Higher	867, 0.164, ESE
D11	BOB SMITH VC CALABAS	24400 CALABASAS RD	RCRA NonGen / NLR	Lower	911, 0.173, NE
D12	COMPLETE AUTOMOTIVE	24400 CALABASAS RD	RCRA NonGen / NLR	Lower	911, 0.173, NE
D13	DYNAMIC AUTO IMAGES/	24400 CALABASAS RD	RCRA NonGen / NLR	Lower	911, 0.173, NE
D14	CALABASAS CADILLAC	24400 CALABASAS RD	RCRA NonGen / NLR	Lower	911, 0.173, NE
D15	BOB SMITH MINI	24400 CALABASAS RD	RCRA NonGen / NLR	Lower	911, 0.173, NE
D16	CADILLAC OF CALABASA	24400 CALABASAS RD	CERS TANKS	Lower	911, 0.173, NE
D17	CADILLAC OF CALABASA	24400 CALABASAS RD	RCRA NonGen / NLR	Lower	911, 0.173, NE
D18	CADILLAC OF CALABASA	24400 CALABASAS RD	CERS HAZ WASTE, CERS	Lower	911, 0.173, NE
E19	CALABASAS GOLF & COU	4515 PARK ENTRADA	LUST, HIST CORTESE, CERS	Higher	911, 0.173, South
E20	CALABASAS GOLF & COU	4515 PARK ENTRADA	UST FINDER RELEASE	Higher	911, 0.173, South
E21	BRIGHTVIEW GOLF MAIN	4515 PARK ENTRADA	RCRA NonGen / NLR	Higher	911, 0.173, South
E22	CALABASAS COUNTRY CL	4515 PARK ENTRADA	CERS HAZ WASTE, CERS TANKS, CERS	Higher	911, 0.173, South
E23	CALABASAS GOLF & COU	4515 PARK ENTRADA	LUST, Cortese	Higher	911, 0.173, South
E24	CALABASAS GOLF & COU	4515 PARK ENTRADA	UST FINDER RELEASE	Higher	911, 0.173, South
E25	CALABASAS GOLF & COU	4515 PARK ENTRADA	UST, SWEEPS UST, Cortese	Higher	911, 0.173, South
F26	LOS ANGELES CO CALAB	26919 W VENTURA BLVD	SEMS-ARCHIVE, RCRA NonGen / NLR, FINDS, ECHO	Higher	1032, 0.195, West
F27	CRIMSON PIPELINE LLC	24707 CALABASAS RD	RCRA-SQG	Lower	1047, 0.198, WNW
F28	CRIMSON PIPELINE, L.	24707 CALABASAS RD	RCRA-SQG	Lower	1047, 0.198, WNW
D29	CALABASAS PUMP STATI	24300 CALABASAS RD	HIST UST	Lower	1174, 0.222, NE
D30	SHELL OIL COMPANY	24300 W CALABASAS RD	SWEEPS UST, HIST UST, LOS ANGELES CO. HMS	Lower	1174, 0.222, NE
31	DANDEE GASOLINE TANK	101 FWY	CPS-SLIC	Lower	1263, 0.239, WNW
32	KAY FAMILY TRUST AND	24422 VOLTARA CT	RCRA NonGen / NLR	Higher	1283, 0.243, SSW
G33	CALABASAS GOLF & COU	4302 PARK ENTRADA	HIST CORTESE	Lower	1836, 0.348, SE
G34	CALABASAS GOLF & COU	4302 PARK ENTRADA	LUST	Lower	1836, 0.348, SE
H35	CALABASAS UNION CORP	24115 CALABASAS RD	UST FINDER RELEASE	Lower	2145, 0.406, ENE
H36	76 PRODUCTS STATION	24115 CALABASAS RD	UST FINDER RELEASE	Lower	2145, 0.406, ENE
H37	UNION OIL 6287	24115 CALABASAS ROAD	HIST UST, Cortese, HWTS, HAZNET, CERS	Lower	2145, 0.406, ENE
H38	76 PRODUCTS STATION	24115 CALABASAS RD	LUST, CERS HAZ WASTE, CERS TANKS, Cortese, HIST...	Lower	2145, 0.406, ENE
I39	ARCO #1918 (FORMER)	24100 CALABASAS RD	UST FINDER RELEASE	Lower	2200, 0.417, ENE

MAPPED SITES SUMMARY

Target Property Address:
24460 CALABASAS ROAD
CALABASAS, CA 91302

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
I40	ARCO #1918 (FORMER)	24100 CALABASAS RD	LUST, Cortese, HIST CORTESE, CERS	Lower	2200, 0.417, ENE
J41	CHEVRON #9-5153	24101 VENTURA	HIST CORTESE	Lower	2338, 0.443, NE
J42	CHEVRON #9-5153	24101 VENTURA BLVD W	UST FINDER RELEASE	Lower	2338, 0.443, NE
J43	CHEVRON #9-5153	24101 VENTURA BLVD W	LUST, Cortese, CERS	Lower	2338, 0.443, NE
J44	CHEVRON #9-4106 (FOR	5000 PARKWAY CALABAS	LUST, Cortese	Lower	2522, 0.478, NE
J45	CHEVRON #9-4106 (FOR	5000 PARKWAY CALABAS	UST FINDER RELEASE	Lower	2522, 0.478, NE
J46	CHEVRON #9-4106 (FOR	5000 CALABASAS	LUST, HIST CORTESE, CERS	Lower	2522, 0.478, NE
K47	EXXON #7-2893	24025 CALABASAS RD W	LUST, Cortese, HIST CORTESE, CERS	Lower	2559, 0.485, ENE
K48	EXXON #7-2893	24025 CALABASAS RD W	UST FINDER RELEASE	Lower	2559, 0.485, ENE
49	RANTEC MICROWAVE & E	24003 VENTURA BOULEV	ENVIROSTOR, CPS-SLIC, EMI, Notify 65, WDS, CIWQS,...	Lower	3221, 0.610, NE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

Federal ERNS list

ERNS ---------- Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ---------- State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ---------- Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST - Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST - Underground Storage Tank Listing
AST - Aboveground Petroleum Storage Tank Facilities
INDIAN UST - Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

VCP - Voluntary Cleanup Program Properties
INDIAN VCP - Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS - Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS - A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT - Waste Management Unit Database
SWRCY - Recycler Database
HAULERS - Registered Waste Tire Haulers Listing
INDIAN ODI - Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 - Torres Martinez Reservation Illegal Dump Site Locations
ODI - Open Dump Inventory
IHS OPEN DUMPS - Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL - Delisted National Clandestine Laboratory Register
AOCONCERN - Key Areas of Concerns in Los Angeles County
HIST Cal-Sites - Historical Calsites Database
SCH - School Property Evaluation Program
CDL - Clandestine Drug Labs
Toxic Pits - Toxic Pits Cleanup Act Sites
US CDL - National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST - Facility Inventory Database

Local Land Records

LIENS - Environmental Liens Listing
LIENS 2 - CERCLA Lien Information

DEED ---------- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
CHMIRS ---------- California Hazardous Material Incident Report System
LDS ---------- Land Disposal Sites Listing
MCS ---------- Military Cleanup Sites Listing
SPILLS 90 ---------- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---------- Formerly Used Defense Sites
DOD ---------- Department of Defense Sites
SCRD DRYCLEANERS ---------- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---------- Financial Assurance Information
EPA WATCH LIST ---------- EPA WATCH LIST
2020 COR ACTION ---------- 2020 Corrective Action Program List
TSCA ---------- Toxic Substances Control Act
TRIS ---------- Toxic Chemical Release Inventory System
SSTS ---------- Section 7 Tracking Systems
ROD ---------- Records Of Decision
RMP ---------- Risk Management Plans
RAATS ---------- RCRA Administrative Action Tracking System
PRP ---------- Potentially Responsible Parties
PADS ---------- PCB Activity Database System
ICIS ---------- Integrated Compliance Information System
FTTS ---------- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---------- Material Licensing Tracking System
COAL ASH DOE ---------- Steam-Electric Plant Operation Data
COAL ASH EPA ---------- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---------- PCB Transformer Registration Database
RADINFO ---------- Radiation Information Database
HIST FTTS ---------- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---------- Incident and Accident Data
CONSENT ---------- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---------- Indian Reservations
FUSRAP ---------- Formerly Utilized Sites Remedial Action Program
UMTRA ---------- Uranium Mill Tailings Sites
LEAD SMELTERS ---------- Lead Smelter Sites
US AIRS ---------- Aerometric Information Retrieval System Facility Subsystem
US MINES ---------- Mines Master Index File
ABANDONED MINES ---------- Abandoned Mines
MINES MRDS ---------- Mineral Resources Data System
FINDS ---------- Facility Index System/Facility Registry System
DOCKET HWC ---------- Hazardous Waste Compliance Docket Listing
ECHO ---------- Enforcement & Compliance History Information
UXO ---------- Unexploded Ordnance Sites
FUELS PROGRAM ---------- EPA Fuels Program Registered Listing
PFAS NPL ---------- Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES ---------- Federal Sites PFAS Information
PFAS TRIS ---------- List of PFAS Added to the TRI
PFAS TSCA ---------- PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST ---------- PFAS Transfers Identified In the RCRA Database Listing

PFAS ATSDR - PFAS Contamination Site Location Listing
PFAS WQP - Ambient Environmental Sampling for PFAS
PFAS NPDES - Clean Water Act Discharge Monitoring Information
PFAS ECHO - Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING - Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT - All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC - Aqueous Foam Related Incidents Listing
BIOSOLIDS - ICIS-NPDES Biosolids Facility Data
PFAS - PFAS Investigation Site Location Listing
AQUEOUS FOAM - Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN - Bond Expenditure Plan
CHROME PLATING - Chrome Plating Facilities Listing
CUPA Listings - CUPA Resources List
DRYCLEANERS - Cleaner Facilities
EMI - Emissions Inventory Data
ENF - Enforcement Action Listing
Financial Assurance - Financial Assurance Information Listing
ICE - Inspection, Compliance and Enforcement
LOS ANGELES CO. HMS - HMS: Street Number List
HWP - EnviroStor Permitted Facilities Listing
HWT - Registered Hazardous Waste Transporter Database
HWTS - Hazardous Waste Tracking System
HAZNET - Facility and Manifest Data
LOS ANGELES CO LF METHANE - Methane Producing Landfills
MINES - Mines Site Location Listing
MWMP - Medical Waste Management Program Listing
NPDES - NPDES Permits Listing
PEST LIC - Pesticide Regulation Licenses Listing
PROC - Certified Processors Database
HAZMAT LA - Active & Inactive Hazardous Materials Inventory
HAZMAT - Hazardous Material Facilities
LA Co. Site Mitigation - Site Mitigation List
UIC - UIC Listing
UIC GEO - UIC GEO (GEOTRACKER)
WASTEWATER PITS - Oil Wastewater Pits Listing
WDS - Waste Discharge System
WIP - Well Investigation Program Case List
MILITARY PRIV SITES - MILITARY PRIV SITES (GEOTRACKER)
PROJECT - PROJECT (GEOTRACKER)
WDR - Waste Discharge Requirements Listing
CIWQS - California Integrated Water Quality System
CERS - CERS
NON-CASE INFO - NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS - OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS - PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT - SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ - Well Stimulation Project (GEOTRACKER)
UST FINDER - UST Finder Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP - EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

EDR Hist Auto---------- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 04/22/2024 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOS ANGELES CO CALAB Site ID: 0902648 EPA Id: CAT000624023	***26919 W VENTURA BLVD***	***W 1/8 - 1/4 (0.195 mi.)***	***F26***	***127***

EXECUTIVE SUMMARY

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/04/2023 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DCH AUDI CALABASAS EPA ID:: CAR000296293	24650 CALABASAS ROAD	W 0 - 1/8 (0.118 mi.)	C8	37

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/04/2023 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ACURA 101 WEST EPA ID:: CAD983603747	***24650 CALABASAS RD***	***W 0 - 1/8 (0.118 mi.)***	***C9***	***76***
CRIMSON PIPELINE LLC EPA ID:: CAP000277384	24707 CALABASAS RD	WNW 1/8 - 1/4 (0.198 mi.)	F27	131
CRIMSON PIPELINE, L. EPA ID:: CAR000322495	24707 CALABASAS RD	WNW 1/8 - 1/4 (0.198 mi.)	F28	133

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 12/04/2023 has revealed that there is 1 RCRA-VSQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
COMPLETE AUTOMOTIVE EPA ID:: CAR000334961	24500 CALABASAS RD	NW 0 - 1/8 (0.058 mi.)	A2	15

EXECUTIVE SUMMARY

Lists of state- and tribal hazardous waste facilities

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/22/2024 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RANTEC MICROWAVE & E	***24003 VENTURA BOULEV***	***NE 1/2 - 1 (0.610 mi.)***	***49***	***210***
Facility Id: 71002145				
Status: Refer: Other Agency				

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 9 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALABASAS GOLF & COU	***4515 PARK ENTRADA***	***S 1/8 - 1/4 (0.173 mi.)***	***E19***	***109***
Database: LUST, Date of Government Version: 03/04/2024				
Status: Completed - Case Closed				
Global Id: T0603702770				
Global Id: T0603789938				
CALABASAS GOLF & COU	***4515 PARK ENTRADA***	***S 1/8 - 1/4 (0.173 mi.)***	***E23***	***123***
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Facility Id: I-01261				
Status: Case Closed				
Global ID: T0603702770				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CALABASAS GOLF & COU	4302 PARK ENTRADA	SE 1/4 - 1/2 (0.348 mi.)	G34	141
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Facility Id: 011088-01				
Status: Pollution Characterization				
Global ID: T0603700048				
76 PRODUCTS STATION	***24115 CALABASAS RD***	***ENE 1/4 - 1/2 (0.406 mi.)***	***H38***	***153***
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 03/04/2024				

Status: Completed - Case Closed
Facility Id: I-01217
Status: Case Closed
Global Id: T10000000533
Global Id: T0603702767
Global ID: T0603702767

ARCO #1918 (FORMER) ***24100 CALABASAS RD*** ***ENE 1/4 - 1/2 (0.417 mi.)*** ***I40*** ***187***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/04/2024
Status: Completed - Case Closed
Facility Id: I-06557
Status: Case Closed
Global Id: T0603703231
Global ID: T0603703231

CHEVRON #9-5153 ***24101 VENTURA BLVD W*** ***NE 1/4 - 1/2 (0.443 mi.)*** ***J43*** ***192***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/04/2024
Status: Completed - Case Closed
Facility Id: R-06083
Status: Case Closed
Global Id: T0603704716
Global ID: T0603704716

CHEVRON #9-4106 (FOR ***5000 PARKWAY CALABAS*** ***NE 1/4 - 1/2 (0.478 mi.)*** ***J44*** ***196***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: I-09088
Status: Case Closed
Global ID: T0603703342

CHEVRON #9-4106 (FOR ***5000 CALABASAS*** ***NE 1/4 - 1/2 (0.478 mi.)*** ***J46*** ***198***
Database: LUST, Date of Government Version: 03/04/2024
Status: Completed - Case Closed
Global Id: T0603703342

EXXON #7-2893 ***24025 CALABASAS RD W*** ***ENE 1/4 - 1/2 (0.485 mi.)*** ***K47*** ***200***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/04/2024
Status: Completed - Case Closed
Facility Id: R-22402
Status: Remedial action (cleanup) Underway
Global Id: T0603705363
Global ID: T0603705363

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there is 1 CPS-SLIC site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DANDEE GASOLINE TANK	101 FWY	WNW 1/8 - 1/4 (0.239 mi.)	31	137

Database: CPS-SLIC, Date of Government Version: 03/04/2024

Facility Status: Open - Inactive
Global Id: SL0611106052

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALABASAS GOLF & COU	***4515 PARK ENTRADA***	***S 1/8 - 1/4 (0.173 mi.)***	***E25***	***125***
Database: UST, Date of Government Version: 12/04/2023				
Facility Id: 1261				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/16/2024 has revealed that there are 4 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALABASAS COUNTRY CL	***4515 PARK ENTRADA***	***S 1/8 - 1/4 (0.173 mi.)***	***E22***	***117***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
BOB SMITH BMW	***24500 CALABASAS RD***	***NW 0 - 1/8 (0.058 mi.)***	***A1***	***9***
DCH AUDI CALABASAS	***24650 CALABASAS RD***	***W 0 - 1/8 (0.118 mi.)***	***C6***	***24***
CADILLAC OF CALABASA	***24400 CALABASAS RD***	***NE 1/8 - 1/4 (0.173 mi.)***	***D18***	***102***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are

4 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALABASAS GOLF & COU	***4515 PARK ENTRADA***	***S 1/8 - 1/4 (0.173 mi.)***	***E25***	***125***
Status: A Tank Status: A Comp Number: 1261				

Lower Elevation	Address	Direction / Distance	Map ID	Page
LAS VIRGENES MWD	***24303 W CALABASAS RD***	***NNE 0 - 1/8 (0.109 mi.)***	***B4***	***20***
Status: A Tank Status: A Comp Number: 10036				
FRO ENTERPRISES	24650 CALABASSAS RD	W 0 - 1/8 (0.118 mi.)	C7	37
Status: A Tank Status: A Comp Number: 12090				
SHELL OIL COMPANY	***24300 W CALABASAS RD***	***NE 1/8 - 1/4 (0.222 mi.)***	***D30***	***136***
Status: A Comp Number: 13163				

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CALABASAS PUMP STATI	24300 CALABASAS RD	NE 1/8 - 1/4 (0.222 mi.)	D29	136
Facility Id: 00000067363				
SHELL OIL COMPANY	***24300 W CALABASAS RD***	***NE 1/8 - 1/4 (0.222 mi.)***	***D30***	***136***

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 01/16/2024 has revealed that there are 4 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALABASAS COUNTRY CL	***4515 PARK ENTRADA***	***S 1/8 - 1/4 (0.173 mi.)***	***E22***	***117***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BOB SMITH BMW	***24500 CALABASAS RD***	***NW 0 - 1/8 (0.058 mi.)***	***A1***	***9***
DCH AUDI CALABASAS	***24650 CALABASAS RD***	***W 0 - 1/8 (0.118 mi.)***	***C6***	***24***
CADILLAC OF CALABASA	24400 CALABASAS RD	NE 1/8 - 1/4 (0.173 mi.)	D16	93

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/04/2023 has revealed that there are 12 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOVHANNES NAZARYAN EPA ID:: CAC003226313	24366 LA MASINA COUR	ESE 1/8 - 1/4 (0.164 mi.)	10	79
BRIGHTVIEW GOLF MAIN EPA ID:: CAL000376960	4515 PARK ENTRADA	S 1/8 - 1/4 (0.173 mi.)	E21	115
LOS ANGELES CO CALAB EPA ID:: CAT000624023	***26919 W VENTURA BLVD***	***W 1/8 - 1/4 (0.195 mi.)***	***F26***	***127***
KAY FAMILY TRUST AND EPA ID:: CAC003145763	24422 VOLTARA CT	SSW 1/8 - 1/4 (0.243 mi.)	32	139

Lower Elevation	Address	Direction / Distance	Map ID	Page
BOB SMITH BMW EPA ID:: CAL000278811	24500 CALABASAS RD	NW 0 - 1/8 (0.058 mi.)	A3	18
1X LAS VIRGENES MUNI EPA ID:: CAC003259961	24303 CALABASAS RD	NNE 0 - 1/8 (0.109 mi.)	B5	22
BOB SMITH VC CALABAS EPA ID:: CAL000443311	24400 CALABASAS RD	NE 1/8 - 1/4 (0.173 mi.)	D11	82
COMPLETE AUTOMOTIVE EPA ID:: CAL000455545	24400 CALABASAS RD	NE 1/8 - 1/4 (0.173 mi.)	D12	84
DYNAMIC AUTO IMAGES/ EPA ID:: CAL000395967	24400 CALABASAS RD	NE 1/8 - 1/4 (0.173 mi.)	D13	87
CALABASAS CADILLAC EPA ID:: CAC003183309	24400 CALABASAS RD	NE 1/8 - 1/4 (0.173 mi.)	D14	89
BOB SMITH MINI EPA ID:: CAL000391401	24400 CALABASAS RD	NE 1/8 - 1/4 (0.173 mi.)	D15	91
CADILLAC OF CALABASA EPA ID:: CAL000473036	24400 CALABASAS RD	NE 1/8 - 1/4 (0.173 mi.)	D17	100

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 12/13/2023 has revealed that there are 8 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALABASAS GOLF & COU	***4515 PARK ENTRADA***	***S 1/8 - 1/4 (0.173 mi.)***	***E23***	***123***

Cleanup Status: COMPLETED - CASE CLOSED

CALABASAS GOLF & COU	***4515 PARK ENTRADA***	***S 1/8 - 1/4 (0.173 mi.)***	***E25***	***125***

Cleanup Status: COMPLETED - CASE CLOSED

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNION OIL 6287	***24115 CALABASAS ROAD***	***ENE 1/4 - 1/2 (0.406 mi.)***	***H37***	***144***

Cleanup Status: COMPLETED - CASE CLOSED

76 PRODUCTS STATION	***24115 CALABASAS RD***	***ENE 1/4 - 1/2 (0.406 mi.)***	***H38***	***153***

Cleanup Status: COMPLETED - CASE CLOSED

ARCO #1918 (FORMER)	***24100 CALABASAS RD***	***ENE 1/4 - 1/2 (0.417 mi.)***	***I40***	***187***

Cleanup Status: COMPLETED - CASE CLOSED

CHEVRON #9-5153	***24101 VENTURA BLVD W***	***NE 1/4 - 1/2 (0.443 mi.)***	***J43***	***192***

Cleanup Status: COMPLETED - CASE CLOSED

CHEVRON #9-4106 (FOR	***5000 PARKWAY CALABAS***	***NE 1/4 - 1/2 (0.478 mi.)***	***J44***	***196***

Cleanup Status: COMPLETED - CASE CLOSED

EXXON #7-2893	***24025 CALABASAS RD W***	***ENE 1/4 - 1/2 (0.485 mi.)***	***K47***	***200***

Cleanup Status: COMPLETED - CASE CLOSED

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 7 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALABASAS GOLF & COU	***4515 PARK ENTRADA***	***S 1/8 - 1/4 (0.173 mi.)***	***E19***	***109***

Reg Id: I-01261

Lower Elevation	Address	Direction / Distance	Map ID	Page
CALABASAS GOLF & COU	4302 PARK ENTRADA	SE 1/4 - 1/2 (0.348 mi.)	G33	141

Reg Id: 011088-01

76 PRODUCTS STATION	***24115 CALABASAS RD***	***ENE 1/4 - 1/2 (0.406 mi.)***	***H38***	***153***

Reg Id: I-01217

ARCO #1918 (FORMER)	***24100 CALABASAS RD***	***ENE 1/4 - 1/2 (0.417 mi.)***	***I40***	***187***

Reg Id: I-06557

CHEVRON #9-5153	24101 VENTURA	NE 1/4 - 1/2 (0.443 mi.)	J41	191

Reg Id: R-06083

CHEVRON #9-4106 (FOR	***5000 CALABASAS***	***NE 1/4 - 1/2 (0.478 mi.)***	***J46***	***198***

Reg Id: I-09088

EXXON #7-2893	***24025 CALABASAS RD W***	***ENE 1/4 - 1/2 (0.485 mi.)***	***K47***	***200***

Reg Id: R-22402

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 12/06/2023 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RANTEC MICROWAVE & E	***24003 VENTURA BOULEV***	***NE 1/2 - 1 (0.610 mi.)***	***49***	***210***

UST FINDER RELEASE: US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that there are 8 UST FINDER RELEASE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALABASAS GOLF & COU	4515 PARK ENTRADA	S 1/8 - 1/4 (0.173 mi.)	E20	114
CALABASAS GOLF & COU	4515 PARK ENTRADA	S 1/8 - 1/4 (0.173 mi.)	E24	124

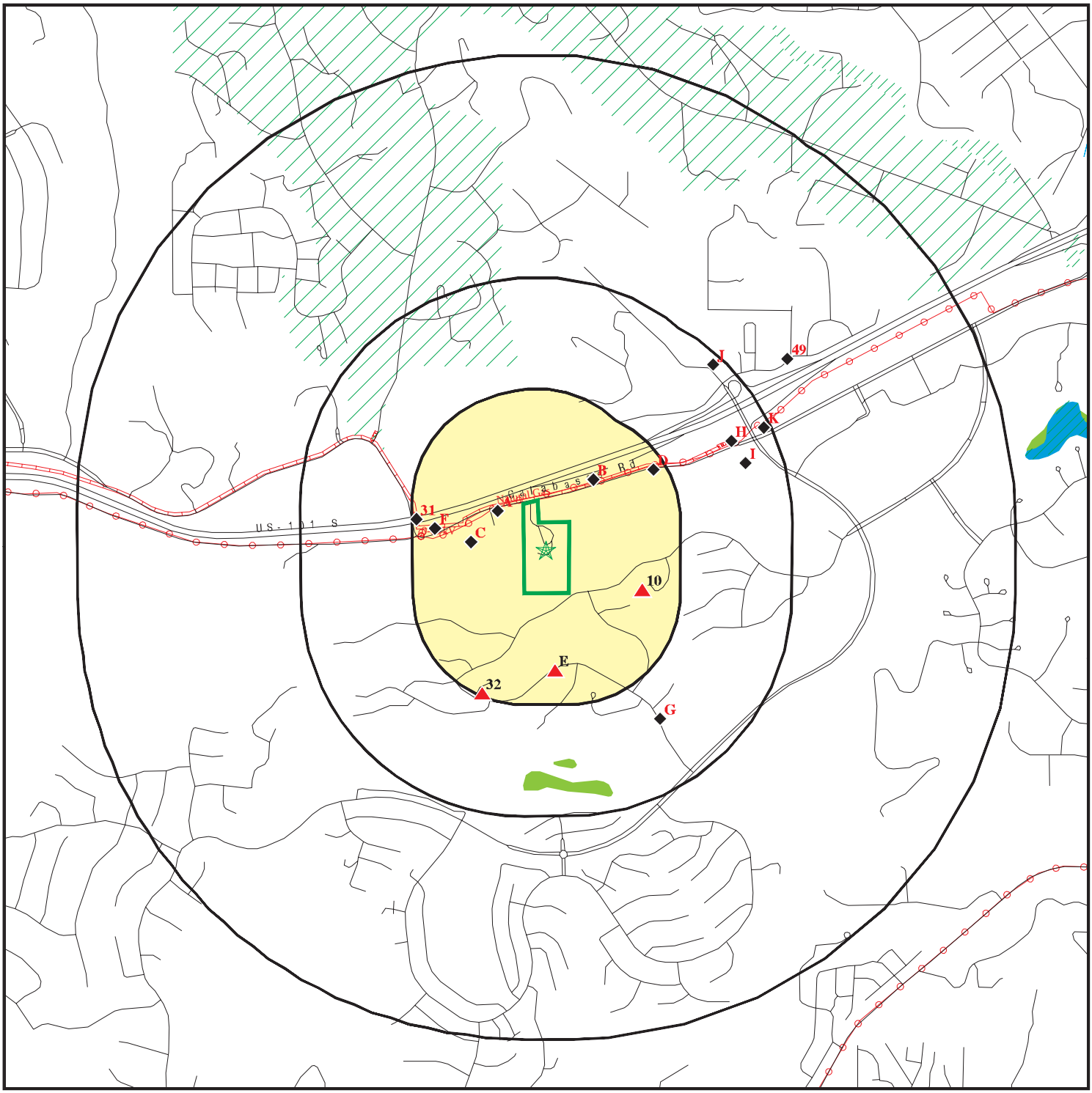
Lower Elevation	Address	Direction / Distance	Map ID	Page
CALABASAS UNION CORP	24115 CALABASAS RD	ENE 1/4 - 1/2 (0.406 mi.)	H35	142
76 PRODUCTS STATION	24115 CALABASAS RD	ENE 1/4 - 1/2 (0.406 mi.)	H36	143
ARCO #1918 (FORMER)	24100 CALABASAS RD	ENE 1/4 - 1/2 (0.417 mi.)	I39	186
CHEVRON #9-5153	24101 VENTURA BLVD W	NE 1/4 - 1/2 (0.443 mi.)	J42	191
CHEVRON #9-4106 (FOR	5000 PARKWAY CALABAS	NE 1/4 - 1/2 (0.478 mi.)	J45	197
EXXON #7-2893	24025 CALABASAS RD W	ENE 1/4 - 1/2 (0.485 mi.)	K48	209

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name	Database(s)
CALABASAS THE OAKS OF CALABASAS	NPDES, CIWQS
MOBIL	LUST

OVERVIEW MAP - 7666271.2S



0 1/4 1/2 1 Miles

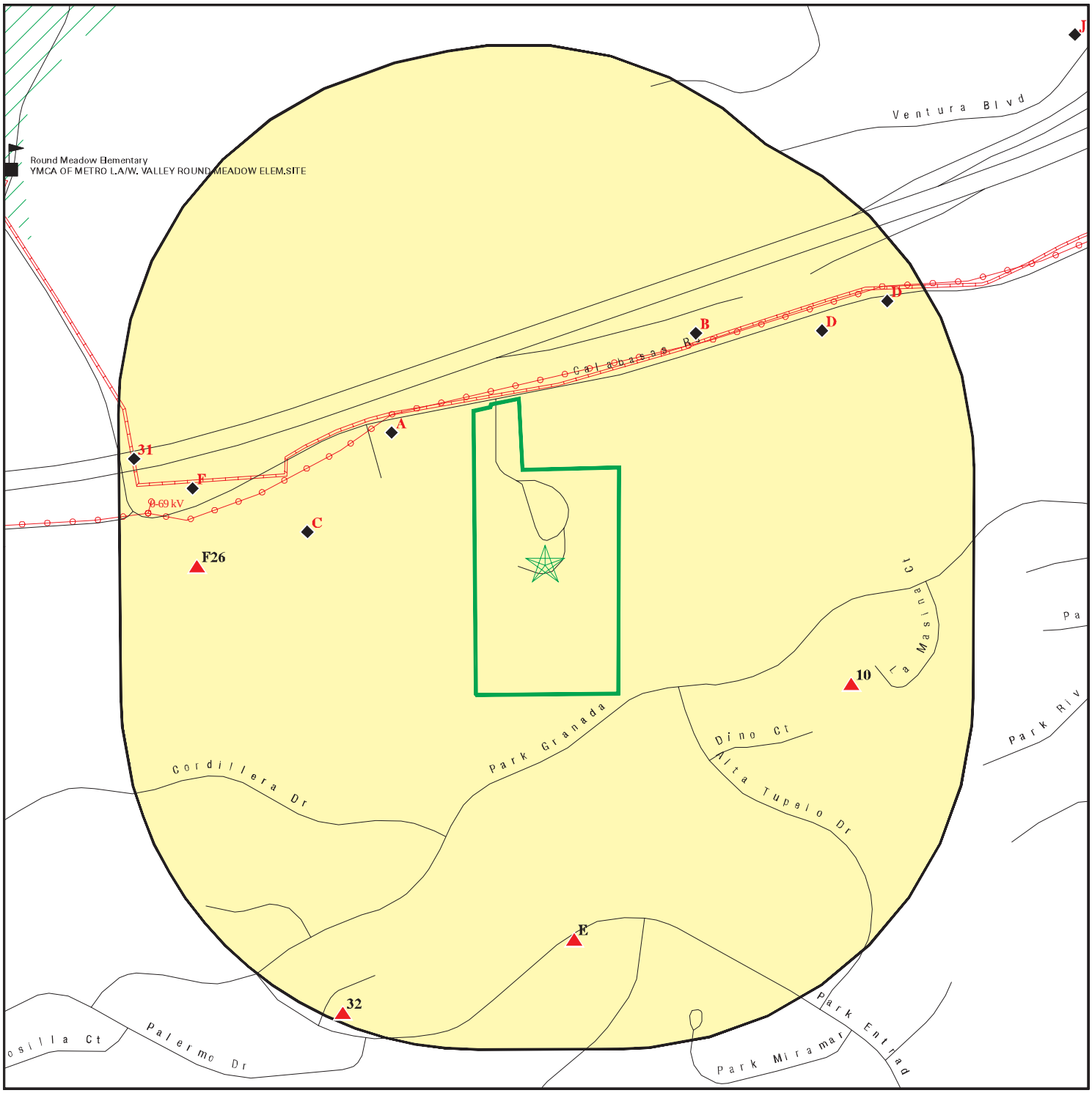
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 24460 Calabasas Road	CLIENT: Citadel EHS
ADDRESS: 24460 Calabasas Road Calabasas CA 91302	CONTACT: Kyle Johnston INQUIRY #: 7666271.2s
LAT/LONG: 34.148646 / 118.659608	DATE: May 29, 2024 5:52 pm

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DETAIL MAP - 7666271.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Power transmission lines

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 24460 Calabasas Road	CLIENT: Citadel EHS
ADDRESS: 24460 Calabasas Road Calabasas CA 91302	CONTACT: Kyle Johnston INQUIRY #: 7666271.2s
LAT/LONG: 34.148646 / 118.659608	DATE: May 29, 2024 5:55 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	1	0	NR	NR	1
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250		1	2	NR	NR	NR	3
RCRA-VSQG	0.250		1	0	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	0	1	NR	1
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	2	7	NR	NR	9
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	1	0	NR	NR	1
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		2	2	NR	NR	NR	4
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		2	2	NR	NR	NR	4
HIST UST	0.250		0	2	NR	NR	NR	2
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		2	2	NR	NR	NR	4

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		2	10	NR	NR	NR	12
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CHROME PLATING	0.500		0	0	0	NR	NR	0
Cortese	0.500		0	2	6	NR	NR	8
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	1	6	NR	NR	7
LOS ANGELES CO. HMS	0.001		0	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWTS	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
LOS ANGELES CO LF METHANE	0.500		0	0	0	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
HAZMAT LA	0.250		0	0	NR	NR	NR	0
HAZMAT	0.250		0	0	NR	NR	NR	0
LA Co. Site Mitigation	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	2	6	NR	NR	8
UST FINDER	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	11	30	25	2	0	68

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
NW
< 1/8
0.058 mi.
304 ft.

BOB SMITH BMW
24500 CALABASAS RD
CALABASAS, CA 91302

Site 1 of 3 in cluster A

CERS HAZ WASTE
CERS TANKS
LOS ANGELES CO. HMS
CERS

S105570348
N/A

Relative:
Lower

Actual:
1092 ft.

CERS HAZ WASTE:
Name: BOB SMITH BMW
Address: 24500 CALABASAS RD
City,State,Zip: CALABASAS, CA 91302
Site ID: 99394
CERS ID: 10292008
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: BOB SMITH BMW
Address: 24500 CALABASAS RD
City,State,Zip: CALABASAS, CA 91302
Site ID: 99394
CERS ID: 10292008
CERS Description: Aboveground Petroleum Storage

LOS ANGELES CO. HMS:
Name: BOB SMITH BMW
Address: 24500 CALABASAS RD
City,State,Zip: CALABASAS, CA 913022509
Region: LA
Permit Category: I
Facility Id: 026888-037527
Facility Type: 04
Facility Status: Permit
Area: 5K
Permit Number: 000352261
Permit Status: Closed

Name: BOB SMITH BMW
Address: 24500 CALABASAS RD
City,State,Zip: CALABASAS, CA 913022509
Region: LA
Permit Category: I
Facility Id: 026888-037527
Facility Type: 01
Facility Status: Permit
Area: 5K
Permit Number: 000352328
Permit Status: Permit

CERS:
Name: BOB SMITH BMW
Address: 24500 CALABASAS RD
City,State,Zip: CALABASAS, CA 91302
Site ID: 99394
CERS ID: 10292008
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 99394
Site Name: BOB SMITH BMW

BOB SMITH BMW (Continued) **S105570348**

Violation Date:	01-22-2016
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 04/13/2016. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	99394
Site Name:	BOB SMITH BMW
Violation Date:	09-27-2017
Citation:	22 CCR 15 66265.192(h) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(h)
Violation Description:	Failure of generator to obtain assessment or reassessment every five (5) years or the remaining service life of the tank system, as stated in the engineer's assessment, whichever is less. This assessment applies to onground or aboveground tank systems containing only non-RCRA hazardous wastes generated onsite, or for a small quantity generator onground or aboveground tank systems containing RCRA hazardous wastes generated onsite.
Violation Notes:	Returned to compliance on 05/06/2019. OBSERVATION: A hazardous waste tank reassessment has not been conducted for the used oil/ used antifreeze tank system within 5 years of the previous tank system assessment or within the remaining service life of the tank system as stated in the engineer's report, whichever is less. CORRECTIVE ACTION: Obtain a written hazardous waste tank system reassessment for the used oil/used antifreeze tank system in accordance with 22 CCR 15 66265.192 and submit a copy to the CUPA.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	99394
Site Name:	BOB SMITH BMW
Violation Date:	01-22-2016
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 04/01/2016. OBSERVATION: All hazardous waste containers shall be marked with the following information: 1) the words Hazardous Waste ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. - Observed 1 x 55 gal contaminated fuel containers unlabeled. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW

BOB SMITH BMW (Continued) **S105570348**

Violation Source: CERS,

Site ID: 99394
Site Name: BOB SMITH BMW
Violation Date: 01-22-2016
Citation: 40 CFR 1 265.201(c)(3) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.201(c)(3)
Violation Description: Failure to conduct daily tank inspection of the discharge systems, monitoring equipment, and tank levels.
Violation Notes: Returned to compliance on 04/01/2016. OBSERVATION: The Generator failed to conduct daily tank inspection of the discharge systems, monitoring equipment, and tank levels. CORRECTIVE ACTION: Immeditaly begin to conduct daily inspections of the discharge systems, monitoring equipment, and tank levels for all tanks containing hazardous waste. Submit verification of these inspections to the CUPA within 30 days.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 99394
Site Name: BOB SMITH BMW
Violation Date: 09-28-2017
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description: Failure to complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.
Violation Notes: Returned to compliance on 05/06/2019. OBSERVATION: Failure to perform and/or document the five-year review of the SPCC plan. CORRECTIVE ACTION: Complete and document the 5 year review of SPCC Plan and submit verification of proper completion.
Violation Division: Los Angeles County Fire Department
Violation Program: APSA
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Tom Cowles, Shop Foreman
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-06-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Natalie Nouskajian, Parts Manager
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2022

BOB SMITH BMW (Continued) **S105570348**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Carlos Rodriguez, service dept
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-07-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Tom Cowles, Shop Foreman
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Catherine Hodac, Service director
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Carlos Rodriguez, service dept
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Carlos Rodriguez, service dept
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-27-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Carlos Rodriguez, facility manager

BOB SMITH BMW (Continued) **S105570348**

Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-27-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Carlos Rodriguez, Facility manager Natalie Nouskajian, Parts manager
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-01-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Catherine Hodac, Service director
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-06-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Natalie Nouskajian, Parts Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-27-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Carlos Rodriguez, Facility manager Natalie Nouskajian, Parts Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

BOB SMITH BMW (Continued) **S105570348**

Coordinates:

Site ID:	99394
Facility Name:	BOB SMITH BMW
Env Int Type Code:	HWG
Program ID:	10292008
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	34.150170
Longitude:	-118.660920

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	CATHERINE HODAC
Entity Title:	Not reported
Affiliation Address:	24500 CALABASAS ROAD
Affiliation City:	CALABASAS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91302
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	ROBERT A, SMITH INC.
Entity Title:	Not reported
Affiliation Address:	24500 CALABASAS ROAD
Affiliation City:	CALABASAS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91302
Affiliation Phone:	(818) 346-3144,

Affiliation Type Desc:	Parent Corporation
Entity Name:	BOB SMITH BMW
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000,

Affiliation Type Desc:	Identification Signer
Entity Name:	CATHERINE HODAC
Entity Title:	PARTS DIRECTOR
Affiliation Address:	Not reported
Affiliation City:	Not reported

BOB SMITH BMW (Continued) **S105570348**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Andrew Smith, Western EHS Service, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	24500 CALABASAS RD
Affiliation City:	CALABASAS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91302
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	BOB SMITH BMW
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(818) 346-3144,

A2 **COMPLETE AUTOMOTIVE RECONDITIONING SPECIALISTS, LL** **RCRA-VSQG** **1027095710**
NW **24500 CALABASAS RD** **CAR000334961**
< 1/8 **CALABASAS, CA 91302**
0.058 mi.
304 ft. **Site 2 of 3 in cluster A**

Relative: **Lower**

Actual: **1092 ft.**

RCRA Listings:

Date Form Received by Agency:	20220224
Handler Name:	Complete Automotive Reconditioning Specialists, Llc
Handler Address:	Calabasas Rd
Handler City,State,Zip:	CALABASAS, CA 91302
EPA ID:	CAR000334961
Contact Name:	CHRISTINA REYNOSO
Contact Address:	HINDRY AVE
Contact City,State,Zip:	INGLEWOOD, CA 90301
Contact Telephone:	424-351-8335 x21
Contact Fax:	818-481-2781
Contact Email:	CHRISTINA@CARSRECON.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator

COMPLETE AUTOMOTIVE RECONDITIONING SPECIALISTS, LLC (Continued) **1027095710**

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	HINDRY AVE
Mailing City,State,Zip:	INGLEWOOD, CA 90301
Owner Name:	Complete Automotive Reconditioning Specialists, Llc
Owner Type:	State
Operator Name:	Complete Automotive Reconditioning Specialists, Llc
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220225
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste

COMPLETE AUTOMOTIVE RECONDITIONING SPECIALISTS, LLC (Continued) **1027095710**

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: COMPLETE AUTOMOTIVE RECONDITIONING SPECIALISTS, LLC
Legal Status: Private
Date Became Current: 20220224
Date Ended Current: Not reported
Owner/Operator Address: 440 HINDRY AVE
Owner/Operator City,State,Zip: INGLEWOOD, CA 90301
Owner/Operator Telephone: 424-351-8335
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: 818-484-2781
Owner/Operator Email: CHRISTINA@CARSRECON.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: COMPLETE AUTOMOTIVE RECONDITIONING SPECIALISTS, LLC
Legal Status: State
Date Became Current: 20220224
Date Ended Current: Not reported
Owner/Operator Address: 440 HINDRY AVE
Owner/Operator City,State,Zip: INGLEWOOD, CA 90301
Owner/Operator Telephone: 424-351-8335
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: 818-484-2781
Owner/Operator Email: CHRISTINA@CARSRECON.COM

Historic Generators:
Receive Date: 20220224
Handler Name: COMPLETE AUTOMOTIVE RECONDITIONING SPECIALISTS, LLC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A3 **BOB SMITH BMW** **RCRA NonGen / NLR** **1024808263**
NW **24500 CALABASAS RD** **CAL000278811**
< 1/8 **CALABASAS, CA 91302**
0.058 mi.
304 ft. **Site 3 of 3 in cluster A**

Relative: **Lower**

Actual: **1092 ft.**

RCRA Listings:

Date Form Received by Agency:	20040203
Handler Name:	Bob Smith Bmw
Handler Address:	24500 Calabasas Rd
Handler City,State,Zip:	CALABASAS, CA 91302
EPA ID:	CAL000278811
Contact Name:	GERARD J. MARRA
Contact Address:	24500 CALABASAS RD
Contact City,State,Zip:	CALABASAS, CA 91302
Contact Telephone:	818-346-3144
Contact Fax:	818-444-1676
Contact Email:	TCALEY@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	24500 CALABASAS RD
Mailing City,State,Zip:	CALABASAS, CA 91302-0000
Owner Name:	Bob Smith Bmw
Owner Type:	Other
Operator Name:	Gerard J. Marra
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

BOB SMITH BMW (Continued) **1024808263**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: GERARD J. MARRA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24500 CALABASAS RD
Owner/Operator City,State,Zip:	CALABASAS, CA 91302
Owner/Operator Telephone:	818-346-3144
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: BOB SMITH BMW	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24500 CALABASAS RD
Owner/Operator City,State,Zip:	CALABASAS, CA 91302-0000
Owner/Operator Telephone:	818-346-3144
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20040203
Handler Name: BOB SMITH BMW	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

BOB SMITH BMW (Continued) **1024808263**

List of NAICS Codes and Descriptions:
NAICS Code: 44111
NAICS Description: NEW CAR DEALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B4 **LAS VIRGENES MWD** **SWEEPS UST** **S104536352**
NNE **24303 W CALABASAS RD** **CHMIRS** **N/A**
< 1/8 **CALABASAS, CA 91302** **LOS ANGELES CO. HMS**
0.109 mi.
574 ft. **Site 1 of 2 in cluster B**

Relative:
Lower

Actual:
1058 ft.

SWEEPS UST:
Name: LAS VIRGENES MWD
Address: 24303 W CALABASAS RD
City: CALABASAS
Status: Active
Comp Number: 10036
Number: 9
Board Of Equalization: 44-008690
Referral Date: 03-14-91
Action Date: 03-14-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010036-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

CHMIRS:
Name: Not reported
Address: 24303 CALABASAS ROAD
City,State,Zip: CALABASAS, CA 91302
OES Incident Number: 16-4357
OES notification: 07/19/2016
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported

LAS VIRGENES MWD (Continued) **S104536352**

Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm Drain
Spill Site:	Utilities/Substation
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	SEWAGE
Measure:	Gal(s)
Other:	Not reported
Date/Time:	340
Year:	2016
Agency:	Las Virgenes Municipal Water District
Incident Date:	07/19/2016
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Storm Drain
E Date:	Not reported
Substance:	Sewage
Quantity Released:	5000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states that the emergency generator failed which caused the wet well to full up. This caused an overflow of 5000 gallons of sewage into a

LAS VIRGENES MWD (Continued) **S104536352**

storm drain. The spill was not contained on site. Clean up is underway, but the spill is not recoverable due to t

LOS ANGELES CO. HMS:

Name:	LAS VIRGENES MWD
Address:	24303 CALABASAS RD
City,State,Zip:	CALABASAS, CA 91302
Region:	LA
Permit Category:	T
Facility Id:	010166-010036
Facility Type:	0
Facility Status:	Removed
Area:	5K
Permit Number:	00001374T
Permit Status:	Removed

B5 **1X LAS VIRGENES MUNICIPLE WATER DISTRICT** **RCRA NonGen / NLR** **1028898305**
NNE **24303 CALABASAS RD** **CAC003259961**
< 1/8 **CALABASAS, CA 91302**
0.109 mi.
574 ft. **Site 2 of 2 in cluster B**

Relative: **Lower**

Actual: **1058 ft.**

RCRA Listings:

Date Form Received by Agency:	20231107
Handler Name:	1x Las Virgenes Municiple Water District
Handler Address:	24303 Calabasas Rd
Handler City,State,Zip:	CALABASAS, CA 91302
EPA ID:	CAC003259961
Contact Name:	SHAWN TRIPLETT
Contact Address:	4232 LAS VIRGENES RD
Contact City,State,Zip:	CALABASAS, CA 91302
Contact Telephone:	818-251-2100
Contact Fax:	Not reported
Contact Email:	STRIPLETT@LVMWD.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	4232 LAS VIRGENES
Mailing City,State,Zip:	CALABASAS, CA 91302
Owner Name:	Las Virgenes Mwd
Owner Type:	Other
Operator Name:	Shawn Triplett
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No

1X LAS VIRGENES MUNICIPLE WATER DISTRICT (Continued) **1028898305**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20231107
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: LAS VIRGENES MWD	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4232 LAS VIRGENES
Owner/Operator City,State,Zip:	CALABASAS, CA 91302
Owner/Operator Telephone:	818-251-2100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: SHAWN TRIPLETT	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4232 LAS VIRGENES RD
Owner/Operator City,State,Zip:	CALABASAS, CA 91302
Owner/Operator Telephone:	818-251-2100

1X LAS VIRGENES MUNICIPLE WATER DISTRICT (Continued) **1028898305**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20231107
Handler Name: 1X LAS VIRGENES MUNICIPLE WATER DISTRICT
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C6 **DCH AUDI CALABASAS** **CERS HAZ WASTE** **S120729452**
West **24650 CALABASAS RD** **CERS TANKS** **N/A**
< 1/8 **CALABASAS, CA 91302** **LOS ANGELES CO. HMS**
0.118 mi. **HWTS**
621 ft. **Site 1 of 4 in cluster C** **CERS**

Relative:
Lower

Actual:
1124 ft.

CERS HAZ WASTE:
Name: DCH AUDI CALABASAS
Address: 24650 CALABASAS RD
City,State,Zip: CALABASAS, CA 91302
Site ID: 89669
CERS ID: 10298482
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: DCH AUDI CALABASAS
Address: 24650 CALABASAS RD
City,State,Zip: CALABASAS, CA 91302
Site ID: 89669
CERS ID: 10298482
CERS Description: Aboveground Petroleum Storage

LOS ANGELES CO. HMS:
Name: DCH AUDI CALABASAS
Address: 24650 CALABASAS RD
City,State,Zip: CALABASAS, CA 913021425

DCH AUDI CALABASAS (Continued) **S120729452**

Region: LA
Permit Category: I
Facility Id: 008464-063019
Facility Type: 01
Facility Status: Permit
Area: 5K
Permit Number: 000878892
Permit Status: Permit

HWTS:

Name:	DCH CALABASAS-A LLC DBA AUDI CALABASAS
Address:	24650 CALABASAS RD
Address 2:	Not reported
City,State,Zip:	CALABASAS, CA 91302
EPA ID:	CAL000421257
Inactive Date:	06/30/2017
Create Date:	10/17/2016
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	24650 CALABASAS RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALABASAS, CA 91302
Owner Name:	DCH CALABASAS-A LLC DBA AUDI CALABA
Owner Address:	24650 CALABASAS RD
Owner Address 2:	Not reported
Owner City,State,Zip:	CALABASAS, CA 91302
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	RON RHODES
Contact Address:	24650 CALABASAS RD
Contact Address 2:	Not reported
City,State,Zip:	CALABASAS, CA 91302
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.149186
Longitude:	-118.6624845

NAICS:

EPA ID:	CAL000421257
Create Date:	2016-10-17 14:39:37.837
NAICS Code:	44111
NAICS Description:	New Car Dealers
Issued EPA ID Date:	2016-10-17 14:39:37.67700
Inactive Date:	2017-06-30 00:00:00
Facility Name:	DCH CALABASAS-A LLC DBA AUDI CALABASAS
Facility Address:	24650 CALABASAS RD
Facility Address 2:	Not reported
Facility City:	CALABASAS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	91302

Name: DCH AUDI CALABASAS

DCH AUDI CALABASAS (Continued) **S120729452**

Address:	24650 CALABASAS RD
Address 2:	Not reported
City,State,Zip:	CALABASAS, CA 91302
EPA ID:	CAR000296293
Inactive Date:	Not reported
Create Date:	06/07/2019
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	24650 CALABASAS RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALABASAS, CA 91302
Owner Name:	DCH AUDI CALABASAS
Owner Address:	24650 CALABASAS RD
Owner Address 2:	Not reported
Owner City,State,Zip:	CALABASAS, CA 91302
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	KEN FRAKES
Contact Address:	24650 CALABASAS RD
Contact Address 2:	Not reported
City,State,Zip:	CALABASAS, CA 91302
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Active
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	34.149186
Longitude:	-118.6624845

NAICS:

EPA ID:	CAR000296293
Create Date:	2019-06-07 10:04:14.940
NAICS Code:	441110
NAICS Description:	New Car Dealers
Issued EPA ID Date:	2019-06-07 10:04:14.92300
Inactive Date:	Not reported
Facility Name:	DCH AUDI CALABASAS
Facility Address:	24650 CALABASAS RD
Facility Address 2:	Not reported
Facility City:	CALABASAS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	91302

CERS:

Name:	DCH AUDI CALABASAS
Address:	24650 CALABASAS RD
City,State,Zip:	CALABASAS, CA 91302
Site ID:	89669
CERS ID:	10298482
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	89669
Site Name:	DCH Audi Calabasas
Violation Date:	08-23-2022
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter

DCH AUDI CALABASAS (Continued) **S120729452**

	6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to implement SPCC Plan amendments within 6 months.
Violation Notes:	Returned to compliance on 09/09/2022. OBSERVATION: Failure to implement SPCC within 6 months of amendment. CORRECTIVE ACTION: Implement amended SPCC for your newly installed two tanks.
Violation Division:	Los Angeles County Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	89669
Site Name:	DCH Audi Calabasas
Violation Date:	01-22-2016
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes:	Returned to compliance on 04/01/2016. OBSERVATION: Copies of hazardous waste disposal records and bill of lading documentation for waste coolant, used oil filters, spent batteries, clarifier, and rags contaminated with oil were not found on site. Hazardous waste generators shall retain copies of all manifests signed off by the disposal facility and all receipts used in a consolidated manifesting procedure on site for three years and have them readily available for review. CORRECTIVE ACTION: Immediately locate a copy of all manifests and receipts for the last three years, maintain them on site, and submit copies to the CUPA.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	89669
Site Name:	DCH Audi Calabasas
Violation Date:	08-28-2017
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 07/25/2019. OBSERVATION: Four 55-gal drums of used oil and fuel filters located in the storage area were observed WITHOUT AN ACCUMULATION START DATE, physical description, physical properties, and facility name and address. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the used oil and fuel filters drums have the required information on the labels.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	89669
Site Name:	DCH Audi Calabasas
Violation Date:	02-27-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 04/01/2020. OBSERVATION: The business failed to electronically submit and certify that the business plan is

DCH AUDI CALABASAS (Continued) **S120729452**

complete, accurate, and in compliance with EPCRA on or before the annual due date. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date.

Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 89669
Site Name: DCH Audi Calabasas
Violation Date: 08-28-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 02/18/2019. OBSERVATION: The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. CORRECTIVE ACTION: Complete and electronically submit a site map with all required content.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 89669
Site Name: DCH Audi Calabasas
Violation Date: 08-28-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 02/18/2019. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 89669
Site Name: DCH Audi Calabasas
Violation Date: 01-22-2016
Citation: HSC 6.5 25250.19(c) - California Health and Safety Code, Chapter 6.5, Section(s) 25250.19(c)
Violation Description: Failure to retain paperwork documenting disposal of used oil for three years.
Violation Notes: Returned to compliance on 04/01/2016. OBSERVATION: The Owner/Operator failed to retain paperwork documenting disposal of used oil for 3

DCH AUDI CALABASAS (Continued) **S120729452**

years. CORRECTIVE ACTION: The Owner/Operator shall maintain copies documenting disposal of used oil for aminimum of 3 years.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 89669
Site Name: DCH Audi Calabasas
Violation Date: 08-28-2017
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 02/18/2019. OBSERVATION: Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. CORRECTIVE ACTION: Establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 89669
Site Name: DCH Audi Calabasas
Violation Date: 08-28-2017
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 07/25/2019. OBSERVATION: The business did not provide one or more of the following: initial employee training, adequate employee training, annual employee training and/or maintain records of employee training. CORRECTIVE ACTION: Provide all employees with required training that includes: safe handling hazardous materials, emergency response procedures, and proper use of response quipment. Maintain records of training available for 3 years.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 89669
Site Name: DCH Audi Calabasas
Violation Date: 08-28-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 02/18/2019. OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a

DCH AUDI CALABASAS (Continued) **S120729452**

hazardous material. CORRECTIVE ACTION: Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days.

Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 89669
Site Name: DCH Audi Calabasas
Violation Date: 08-23-2022
Citation: 22 CCR 15 66265.192(h) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(h)
Violation Description: Failure of generator to obtain assessment or reassessment every five (5) years or the remaining service life of the tank system, as stated in the engineer's assessment, whichever is less. This assessment applies to onground or aboveground tank systems containing only non-RCRA hazardous wastes generated onsite, or for a small quantity generator onground or aboveground tank systems containing RCRA hazardous wastes generated onsite.
Violation Notes: Returned to compliance on 09/09/2022. OBSERVATION: A hazardous waste tank reassessment has not been conducted for the newly installed used oil tank system within 5 years of the previous tank system assessment or within the remaining service life of the tank system as stated in the engineer's report, whichever is less. CORRECTIVE ACTION: Obtain a written hazardous waste tank system reassessment for the newly installed used oil tank system in accordance with 22 CCR 15 66265.192 and submit a copy to the CUPA.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 89669
Site Name: DCH Audi Calabasas
Violation Date: 08-28-2017
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes: Returned to compliance on 07/25/2019. OBSERVATION: A written hazardous waste tank assessment has not been obtained for the used motor oil tank system prior to placing system into service. CORRECTIVE ACTION: Obtain a written hazardous waste tank system assessment for the used motor oil tank system in accordance with 22 CCR 15 66265.192 and submit a copy to the CUPA. Violation was reclassified to a class II due to facility change of ownershiop and tank being installed under the new owner.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 89669

DCH AUDI CALABASAS (Continued) **S120729452**

Site Name: DCH Audi Calabasas
Violation Date: 08-28-2017
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Description: Failure to provide employees with hazardous waste training within the first six months after the date of their employment or assignment to a facility, or to a new position at a facility and annually thereafter. Training records on current personnel shall be kept until closure of the facility and for former employees the record shall be kept for at least three years from the date the employee last worked at the facility.
Violation Notes: Returned to compliance on 02/18/2019. OBSERVATION: Documented training of personnel was not available at the time of inspection. CORRECTIVE ACTION: Locate training documentation or conduct training with applicable personnel and document it. Submit a copy of the training documentation to the CUPA.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 89669
Site Name: DCH Audi Calabasas
Violation Date: 01-22-2016
Citation: 40 CFR 1 265.201(f) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.201(f)
Violation Description: Failure to remove all hazardous waste from tanks, discharge control equipment, and discharge confinement structures upon closure.
Violation Notes: Returned to compliance on 04/01/2016. OBSERVATION: Generator failed to remove all hazardous waste from tanks, discharge control equipment, and discharge confinement structures upon closure. - Observed approximately 1 inch of oil inside storage tanks CORRECTIVE ACTION: Generator shall immediately remove all hazardous waste from tanks, discharge control equipment, and/or discharge confinement structures upon closure. Provide verification of compliance to the CUPA.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 89669
Site Name: DCH Audi Calabasas
Violation Date: 08-28-2017
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 02/18/2019. OBSERVATION: The business failed to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page. CORRECTIVE ACTION: Complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 89669
Site Name: DCH Audi Calabasas
Violation Date: 08-28-2017

DCH AUDI CALABASAS (Continued) **S120729452**

Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 02/18/2019. OBSERVATION: The generator has not obtained an active EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an active EPA ID number. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that you have obtained an EPA ID number.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 89669
Site Name: DCH Audi Calabasas
Violation Date: 08-28-2017
Citation: 22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)
Violation Description: Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.
Violation Notes: Returned to compliance on 07/25/2019. OBSERVATION: Daily inspections of the used motor oil tank system have not been conducted and documented. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that the used motor oil tank system is being properly inspected and documented.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Roger Ullen, Service Director. Facility no longer in business.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-06-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: John Eshelman, Service Director
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-23-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Eddie Sales, parts manager
Eval Division: Los Angeles County Fire Department

DCH AUDI CALABASAS (Continued) **S120729452**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-28-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Tina Carpenter, Service Director
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-25-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Ken Frakes, Service Director
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-25-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Ken Frakes, service director
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-25-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Ken Frakes, Service Director
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-23-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Eddie Sales, parts manager
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-09-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

DCH AUDI CALABASAS (Continued) **S120729452**

Eval General Type: Other/Unknown
Eval Date: 04-01-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-01-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-06-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: John Eshelman, Service Director
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-29-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-28-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Tina Carpenter, Service Director
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Roger Ullen, Service Director.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-01-2019
Violations Found: No

DCH AUDI CALABASAS (Continued) **S120729452**

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-23-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Eddie Sales, parts manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 89669
Facility Name: DCH Audi Calabasas
Env Int Type Code: HWG
Program ID: 10298482
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.148940
Longitude: -118.662540

Affiliation:
Affiliation Type Desc: Parent Corporation
Entity Name: DCH Audi Calabasas
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 24650 CALABASAS RD
Affiliation City: CALABASAS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91302
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000,

DCH AUDI CALABASAS (Continued) **S120729452**

Affiliation Type Desc:	Document Preparer
Entity Name:	Mikhail Levinson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Pano Argyropoulos
Entity Title:	Not reported
Affiliation Address:	24650 CALABASAS RD
Affiliation City:	CALABASAS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91302
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Lithia Motors Inc. dba DCH Audi Calabasas
Entity Title:	Not reported
Affiliation Address:	24650 CALABASAS RD
Affiliation City:	CALABASAS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91302
Affiliation Phone:	(818) 574-3211,

Affiliation Type Desc:	Identification Signer
Entity Name:	Mikhail Levinson
Entity Title:	KPA Consultant
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	DCH Audi Calabasas
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(818) 877-1900,

C7
West
< 1/8
0.118 mi.
621 ft.

FRO ENTERPRISES
24650 CALABASSAS RD
CALABASAS, CA 91302

Site 2 of 4 in cluster C

SWEEPS UST | **S106926485** / **N/A**

Relative:
Lower

Actual:
1124 ft.

SWEEPS UST:

Name:	FRO ENTERPRISES
Address:	24650 CALABASSAS RD
City:	CALABASAS
Status:	Active
Comp Number:	12090
Number:	9
Board Of Equalization:	Not reported
Referral Date:	03-14-91
Action Date:	03-14-91
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-012090-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	1

C8
West
< 1/8
0.118 mi.
621 ft.

DCH AUDI CALABASAS
24650 CALABASAS ROAD
CALABASAS, CA 91302

Site 3 of 4 in cluster C

RCRA-LQG | **1025502183** / **CAR000296293**

Relative:
Lower

Actual:
1124 ft.

RCRA Listings:

Date Form Received by Agency:	20210119
Handler Name:	Dch Audi Calabasas
Handler Address:	Calabasas Road
Handler City,State,Zip:	CALABASAS, CA 91302
EPA ID:	CAR000296293
Contact Name:	KEN FRAKES
Contact Address:	CALABASAS ROAD
Contact City,State,Zip:	CALABASAS, CA 91302
Contact Telephone:	818-877-1900
Contact Fax:	Not reported
Contact Email:	KENNETHFRAKES@DCHAUDICALABASAS.COM
Contact Title:	SERVICE DIRECTOR
EPA Region:	09
Land Type:	State
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	CALABASAS ROAD
Mailing City,State,Zip:	CALABASAS, CA 91302
Owner Name:	Lithia Motors
Owner Type:	State
Operator Name:	Dch Audi Calabasas

DCH AUDI CALABASAS (Continued) **1025502183**

Operator Type:	State
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210122
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D002
Waste Description:	Corrosive Waste
Waste Code:	D003
Waste Description:	Reactive Waste
Waste Code:	D004
Waste Description:	Arsenic
Waste Code:	D005

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Description:	Barium
Waste Code:	D006
Waste Description:	Cadmium
Waste Code:	D007
Waste Description:	Chromium
Waste Code:	D008
Waste Description:	Lead
Waste Code:	D009
Waste Description:	Mercury
Waste Code:	D010
Waste Description:	Selenium
Waste Code:	D011
Waste Description:	Silver
Waste Code:	D012
Waste Description:	Endrin (1,2,3,4,10,10-Hexachloro-1,7-Epoxy-1,4,4a,5,6,7,8,8a-Octahydro-1,4-En do, Endo-5,8-Dimeth-Ano-Naphthalene)
Waste Code:	D013
Waste Description:	Lindane (1,2,3,4,5,6-Hexa-Chlorocyclohexane, Gamma Isomer)
Waste Code:	D014
Waste Description:	Methoxychlor (1,1,1-Trichloro-2,2-Bis [P-Methoxyphenyl] Ethane)
Waste Code:	D015
Waste Description:	Toxaphene (C10 H10 Cl8, Technical Chlorinated Camphene, 67-69 Percent Chlorine)
Waste Code:	D016
Waste Description:	2,4-D (2,4-Dichlorophenoxyacetic Acid)
Waste Code:	D017
Waste Description:	2,4,5-Tp Silvex (2,4,5-Trichlorophenoxypropionic Acid)
Waste Code:	D018
Waste Description:	Benzene
Waste Code:	D019
Waste Description:	Carbon Tetrachloride
Waste Code:	D020
Waste Description:	Chlordane
Waste Code:	D021
Waste Description:	Chlorobenzene
Waste Code:	D022
Waste Description:	Chloroform
Waste Code:	D023

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Description: O-Cresol

Waste Code: D024
Waste Description: M-Cresol

Waste Code: D025
Waste Description: P-Cresol

Waste Code: D026
Waste Description: Cresol

Waste Code: D027
Waste Description: 1,4-Dichlorobenzene

Waste Code: D028
Waste Description: 1,2-Dichloroethane

Waste Code: D029
Waste Description: 1,1-Dichloroethylene

Waste Code: D030
Waste Description: 2,4-Dinitrotoluene

Waste Code: D031
Waste Description: Heptachlor (And Its Epoxide)

Waste Code: D032
Waste Description: Hexachlorobenzene

Waste Code: D033
Waste Description: Hexachlorobutadiene

Waste Code: D034
Waste Description: Hexachloroethane

Waste Code: D035
Waste Description: Methyl Ethyl Ketone

Waste Code: D036
Waste Description: Nitrobenzene

Waste Code: D037
Waste Description: Pentachlorophenol

Waste Code: D038
Waste Description: Pyridine

Waste Code: D039
Waste Description: Tetrachloroethylene

Waste Code: D040
Waste Description: Trichlorethylene

Waste Code: D041
Waste Description: 2,4,5-Trichlorophenol

Waste Code: D042

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Description: 2,4,6-Trichlorophenol

Waste Code: D043
Waste Description: Vinyl Chloride

Waste Code: F001
Waste Description: The Following Spent Halogenated Solvents Used In Degreasing: Tetrachloroethylene, Trichlorethylene, Methylene Chloride, 1,1,1-Trichloroethane, Carbon Tetrachloride And Chlorinated Fluorocarbons; All Spent Solvent Mixtures/Blends Used In Degreasing Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F002
Waste Description: The Following Spent Halogenated Solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1-Trichloroethane, Chlorobenzene, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Ortho-Dichlorobenzene, Trichlorofluoromethane, And 1,1,2, Trichloroethane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F001, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F003
Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F004
Waste Description: The Following Spent Nonhalogenated Solvents: Cresols, Cresylic Acid, And Nitrobenzene; And The Still Bottoms From The Recovery Of These Solvents; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F005
Waste Description: The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F006

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Description: Wastewater Treatment Sludges From Electroplating Operations, Except From The Following Processes: (1) Sulfuric Acid Anodizing Of Aluminum; (2) Tin Plating On Carbon Steel; (3) Zinc Plating (Segregated Basis) On Carbon Steel; (4) Aluminum Or Zinc-Aluminum Plating On Carbon Steel; (5) Cleaning/Stripping Associated With Tin, Zinc, And Aluminum Plating On Carbon Steel; And (6) Chemical Etching And Milling Of Aluminum.

Waste Code: F007
Waste Description: Spent Cyanide Plating Bath Solutions From Electroplating Operations.

Waste Code: F008
Waste Description: Plating Bath Residues From The Bottom Of Plating Baths From Electroplating Operations In Which Cyanides Are Used In The Process.

Waste Code: F009
Waste Description: Spent Stripping And Cleaning Bath Solutions From Electroplating Operations In Which Cyanides Are Used In The Process.

Waste Code: F010
Waste Description: Quenching Bath Residues From Oil Baths From Metal Heat Treating Operations In Which Cyanides Are Used In The Process.

Waste Code: F011
Waste Description: Spent Cyanide Solutions From Slat Bath Pot Cleaning From Metal Heat Treating Operations.

Waste Code: F012
Waste Description: Quenching Wastewater Treatment Sludges From Metal Heat Treating Operations In Which Cyanides Are Used In The Process.

Waste Code: F019
Waste Description: Wastewater Treatment Sludges From The Chemical Conversion Coating Of Aluminum, Except From Zirconium Phosphating In Aluminum Can Washing When Such Phosphating Is An Exclusive Conversion Coating Process.

Waste Code: F020
Waste Description: Wastes (Except Wastewater And Spent Carbon From Hydrogen Chloride Purification) From The Production Or Manufacturing Use (As A Reactant, Chemical Intermediate, Or Component In A Formulating Process) Of Tri- Or Tetrachlorophenol Or Of Intermediates Used To Produce Their Pesticide Derivatives. (This Listing Does Not Include Wastes From The Production Of Hexachlorophene From Highly Purified 2,4,5-Trichlorophenol.)

Waste Code: F021
Waste Description: Wastes (Except Wastewater And Spent Carbon From Hydrogen Chloride Purification) From The Production Or Manufacturing Use (As A Reactant, Chemical Intermediate, Or Component In A Formulating Process) Of Pentachlorophenol, Or Of Intermediates Used To Produce Derivatives.

Waste Code: F022
Waste Description: Wastes (Except Wastewater And Spent Carbon From Hydrogen Chloride Purification) From The Manufacturing Use (As A Reactant, Chemical Intermediate, Or Component In A Formulating Process) Of Tetra-, Penta-, Or Hexachlorobenzenes Under Alkaline Conditions.

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Code: F023
Waste Description: Wastes (Except Wastewater And Spent Carbon From Hydrogen Chloride Purification) From The Production Of Materials On Equipment Previously Used For The Production Or Manufacturing Use (As A Reactant, Chemical Intermediate, Or Component In A Formulating Process) Of Tri- And Tetrachlorophenols. (This Listing Does Not Include Wastes From Equipment Used Only For The Production Or Use Of Hexachlorophene From Highly Purified 2,4,5-Trichlorophenol.)

Waste Code: F024
Waste Description: Process Wastes Including, But Not Limited To, Distillation Residues, Heavy Ends, Tars, And Reactor Clean-Out Wastes From The Production Of Certain Chlorinated Aliphatic Hydrocarbons By Free Radical Catalyzed Processes. These Chlorinated Aliphatic Hydrocarbons Are Those Having Carbon Chain Lengths Ranging From One To, And Including Five, With Varying Amounts And Positions Of Chlorine Substitution. (This Listing Does Not Include Wastewaters, Wastewater Treatment Sludge, Spent Catalysts, And Wastes Listed In Sections 261.31. Or 261.32)

Waste Code: F025
Waste Description: Condensed Light Ends, Spent Filters And Filter Aids, And Spent Desiccant Wastes From The Production Of Certain Chlorinated Aliphatic Hydrocarbons By Free Radical Catalyzed Processes. These Chlorinated Aliphatic Hydrocarbons Are Those Having Carbon Chain Lengths Ranging From One To, And Including Five, With Varying Amounts And Positions Of Chlorine Substitution.

Waste Code: F026
Waste Description: Wastes (Except Wastewater And Spent Carbon From Hydrogen Chloride Purification) From The Production Of Materials On Equipment Previously Used For The Manufacturing Use (As A Reactant, Chemical Intermediate, Or Component In A Formulating Process) Of Tetra-, Penta-, Or Hexachlorobenzene Under Alkaline Conditions.

Waste Code: F027
Waste Description: Discarded Unused Formulations Containing Tri-, Tetra-, Or Pentachlorophenol Or Discarded Unused Formulations Containing Compounds Derived From These Chlorophenols. (This Listing Does Not Include Formulations Containing Hexachlorophene Synthesized From Prepurified 2,4,5-Trichlorophenol As The Sole Component.)

Waste Code: F028
Waste Description: Residues Resulting From The Incineration Or Thermal Treatment Of Soil Contaminated With Epa Hazardous Waste Nos. F020, F021, F022, F023, F026, And F027.

Waste Code: F032
Waste Description: Wastewaters, Process Residuals, Preservative Drippage, And Spent Formulations From Wood Preserving Processes Generated At Plants That Currently Use, Or Have Previously Used, Chlorophenolic Formulations [Except Potentially Cross-Contaminated Wastes That Have Had The F032 Waste Code Deleted In Accordance With Section 261.35 (I.E., The Newly Promulgated Equipment Cleaning Or Replacement Standards), And Where The Generator Does Not Resume Or Initiate Use Of Chlorophenolic Formulations]. (This Listing Does Not Include K001 Bottom Sediment Sludge From The Treatment Of Wastewater From Wood Preserving Processes That Use Creosote And/Or Pentachlorophenol.)

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Code: F034
Waste Description: Wastewaters, Process Residuals, Preservative Drippage, And Spent Formulations From Wood Preserving Processes Generated At Plants That Use Creosote Formulations. This Listing Does Not Include K001 Bottom Sediment Sludge From The Treatment Of Wastewater From Wood Preserving Processes That Use Creosote And/Or Pentachlorophenol.

Waste Code: F035
Waste Description: Wastewaters, Process Residuals, Preservative Drippage, And Spent Formulations From Wood Preserving Processes Generated At Plants That Use Inorganic Preservatives Containing Arsenic Or Chromium. This Listing Does Not Include K001 Bottom Sediment Sludge From The Treatment Of Wastewater From Wood Preserving Processes That Use Creosote And/Or Pentachlorophenol.

Waste Code: F037
Waste Description: Petroleum Refinery Primary Oil/Water/Solids Separation Sludge - Any Sludge Generated From The Gravitational Separation Of Oil/Water/Solids During The Storage Or Treatment Of Process Wastewaters And Oily Cooling Wastewaters From Petroleum Refineries. Such Sludges Include, But Are Not Limited To, Those Generated In Oil/Water/Solids Separators; Tanks And Impoundments; Ditches And Other Conveyances; Sumps; And Storm Water Units Receiving Dry Weather Flow. Sludges Generated In Storm Water Units That Do Not Receive Dry Weather Flow, Sludges Generated In Aggressive Biological Treatment Units As Defined In Section 261.31(B)(2) (Including Sludges Generated In One Or More Additional Units After Wastewaters Have Been Treated In Aggressive Biological Treatment Units), And K051 Wastes Are Exempted From This Listing.

Waste Code: F038
Waste Description: Petroleum Refinery Secondary (Emulsified) Oil/Water/Solids Separation Sludge - Any Sludge And/Or Float Generated From The Physical And/Or Chemical Separation Of Oil/Water/Solids In Process Wastewaters And Oily Cooling Wastewaters From Petroleum Refineries. Such Wastes Include, But Are Not Limited To, All Sludges And Floats Generated In Induced Air Flotation (Iaf) Units, Tanks And Impoundments, And All Sludges Generated In Daf Units. Sludges Generated In Stormwater Units That Do Not Receive Dry Weather Flow, Sludges Generated In Aggressive Biological Treatment Units As Defined In Section 261.31(B)(2) (Including Sludges Generated In One Or More Additional Units After Wastewaters Have Been Treated In Aggressive Biological Treatment Units), And F037, K048, And K051 Wastes Are Exempted From This Listing.

Waste Code: F039
Waste Description: Leachate Resulting From The Treatment, Storage, Or Disposal Of Wastes Classified By More Than One Waste Code Under Subpart D, Or From A Mixture Of Wastes Classified Under Subparts C And D Of This Part. (Leachate Resulting From The Management Of One Or More Of The Following Epa Hazardous Wastes And No Other Hazardous Wastes Retains Its Hazardous Waste Code(S): F020, F021, F022, F023, F026, F027, And/Or F028.)

Waste Code: K001
Waste Description: Bottom Sediment Sludge From The Treatment Of Wastewaters From Wood Preserving Processes That Use Creosote And/Or Pentachlorophenol.

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Code: K002
Waste Description: Wastewater Treatment Sludge From The Production Of Chrome Yellow And Orange Pigments.

Waste Code: K003
Waste Description: Wastewater Treatment Sludge From The Production Of Molybdate Orange Pigments.

Waste Code: K004
Waste Description: Wastewater Treatment Sludge From The Production Of Zinc Yellow Pigments.

Waste Code: K005
Waste Description: Wastewater Treatment Sludge From The Production Of Chrome Green Pigments.

Waste Code: K006
Waste Description: Wastewater Treatment Sludge From The Production Of Chrome Oxide Green Pigments (Anhydrous And Hydrated).

Waste Code: K007
Waste Description: Wastewater Treatment Sludge From The Production Of Iron Blue Pigments.

Waste Code: K008
Waste Description: Oven Residue From The Production Of Chrome Oxide Green Pigments.

Waste Code: K009
Waste Description: Distillation Bottoms From The Production Of Acetaldehyde From Ethylene.

Waste Code: K010
Waste Description: Distillation Side Cuts From The Production Of Acetaldehyde From Ethylene.

Waste Code: K011
Waste Description: Bottom Stream From The Wastewater Stripper In The Production Of Acrylonitrile.

Waste Code: K013
Waste Description: Bottom Stream From The Acetonitrile Column In The Production Of Acrylonitrile.

Waste Code: K014
Waste Description: Bottoms From The Acetonitrile Purification Column In The Production Of Acrylonitrile.

Waste Code: K015
Waste Description: Still Bottoms From The Distillation Of Benzyl Chloride.

Waste Code: K016
Waste Description: Heavy Ends Or Distillation Residues From The Production Of Carbon Tetrachloride.

Waste Code: K017
Waste Description: Heavy Ends (Still Bottoms) From The Purification Column In The Production Of Epichlorohydrin.

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Waste Code: K018
Waste Description: Heavy Ends From The Fractionation Column In Ethyl Chloride Production.

Waste Code: K019
Waste Description: Heavy Ends From The Distillation Of Ethylene Dichloride In Ethylene Dichloride Production.

Waste Code: K020
Waste Description: Heavy Ends From The Distillation Of Vinyl Chloride In Vinyl Chloride Monomer Production.

Waste Code: K021
Waste Description: Aqueous Spent Antimony Catalyst Waste From Fluoromethane Production.

Waste Code: K022
Waste Description: Distillation Bottom Tars From The Production Of Phenol/Acetone From Cumene.

Waste Code: K023
Waste Description: Distillation Light Ends From The Production Of Phthalic Anhydride From Naphthalene.

Waste Code: K024
Waste Description: Distillation Bottoms From The Production Of Phthalic Anhydride From Naphthalene.

Waste Code: K025
Waste Description: Distillation Bottoms From The Production Of Nitrobenzene By The Nitration Of Benzene.

Waste Code: K026
Waste Description: Stripping Still Tails From The Production Of Methyl Ethyl Pyridines.

Waste Code: K027
Waste Description: Centrifuge And Distillation Residues From Toluene Diisocyanate Production.

Waste Code: K028
Waste Description: Spent Catalyst From The Hydrochlorinator Reactor In The Production Of 1,1,1-Trichloroethane.

Waste Code: K029
Waste Description: Waste From The Product Steam Stripper In The Production Of 1,1,1-Trichloroethane.

Waste Code: K030
Waste Description: Column Bottoms Or Heavy Ends From The Combined Production Of Trichloroethylene And Perchloroethylene.

Waste Code: K031
Waste Description: By-Product Salts Generated In The Production Of Msma And Cacodylic Acid.

Waste Code: K032
Waste Description: Wastewater Treatment Sludge From The Production Of Chlordane.

Waste Code: K033

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Waste Description: Wastewater And Scrub Water From The Chlorination Of Cyclopentadiene In The Production Of Chlordane.

Waste Code: K034
Waste Description: Filter Solids From The Filtration Of Hexachlorocyclopentadiene In The Production Of Chlordane.

Waste Code: K035
Waste Description: Wastewater Treatment Sludges Generated In The Production Of Creosote.

Waste Code: K036
Waste Description: Still Bottoms From Toluene Reclamation Distillation In The Production Of Disulfoton.

Waste Code: K037
Waste Description: Wastewater Treatment Sludges From The Production Of Disulfoton.

Waste Code: K038
Waste Description: Wastewater From The Washing And Stripping Of Phorate Production.

Waste Code: K039
Waste Description: Filter Cake From The Filtration Of Diethylphosphorodithioic Acid In The Production Of Phorate.

Waste Code: K040
Waste Description: Wastewater Treatment Sludge From The Production Of Phorate.

Waste Code: K041
Waste Description: Wastewater Treatment Sludge From The Production Of Toxaphene.

Waste Code: K042
Waste Description: Heavy Ends Or Distillation Residues From The Distillation Of Tetrachlorobenzene In The Production Of 2,4,5-T.

Waste Code: K043
Waste Description: 2,6-Dichlorophenol Waste From The Production Of 2,4-D.

Waste Code: K044
Waste Description: Wastewater Treatment Sludges From The Manufacturing And Processing Of Explosives.

Waste Code: K045
Waste Description: Spent Carbon From The Treatment Of Wastewater Containing Explosives.

Waste Code: K046
Waste Description: Wastewater Treatment Sludges From The Manufacturing, Formulation, And Loading Of Lead-Based Initiating Compounds.

Waste Code: K047
Waste Description: Pink/Red Water From Tnt Operations.

Waste Code: K048
Waste Description: Dissolved Air Flotation (Daf) Float From The Petroleum Refining Industry.

Waste Code: K049
Waste Description: Slop Oil Emulsion Solids From The Petroleum Refining Industry.

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Code: K050
Waste Description: Heat Exchanger Bundle Cleaning Sludge From The Petroleum Refining Industry.

Waste Code: K051
Waste Description: Api Separator Sludge From The Petroleum Refining Industry.

Waste Code: K052
Waste Description: Tank Bottoms (Leaded) From The Petroleum Refining Industry.

Waste Code: K060
Waste Description: Ammonia Still Lime Sludge From Coking Operations.

Waste Code: K061
Waste Description: Emission Control Dust/Sludge From The Primary Production Of Steel In Electric Furnaces.

Waste Code: K062
Waste Description: Spent Pickle Liquor From Steel Finishing Operations Of Plants That Produce Iron Or Steel.

Waste Code: K069
Waste Description: Emission Control Dust/Sludge From Secondary Lead Smelting.

Waste Code: K071
Waste Description: Brine Purification Muds From The Mercury Cell Process In Chlorine Production, In Which Separately Prepurified Brine Is Not Used.

Waste Code: K073
Waste Description: Chlorinated Hydrocarbon Waste From The Purification Step Of The Diaphragm Cell Process Using Graphite Anodes In Chlorine Production.

Waste Code: K083
Waste Description: Distillation Bottoms From Aniline Production.

Waste Code: K084
Waste Description: Wastewater Treatment Sludges Generated During The Production Of Veterinary Pharmaceuticals From Arsenic Or Organo-Arsenic Compounds.

Waste Code: K085
Waste Description: Distillation Or Fractionation Column Bottoms From The Production Of Chlorobenzenes.

Waste Code: K086
Waste Description: Solvent Washes And Sludges, Caustic Washes And Sludges, Or Water Washes And Sludges From Cleaning Tubs And Equipment Used In The Formulation Of Ink From Pigments, Driers, Soaps, And Stabilizers Containing Chromium And Lead.

Waste Code: K087
Waste Description: Decanter Tank Tar Sludge From Coking Operations.

Waste Code: K088
Waste Description: Spent Potliners From Primary Aluminum Reduction.

Waste Code: K093
Waste Description: Distillation Light Ends From The Production Of Phthalic Anhydride From

DCH AUDI CALABASAS (Continued) **1025502183**

Ortho-Xylene.

Waste Code: K094
Waste Description: Distillation Bottoms From The Production Of Phthalic Anhydride From Ortho-Xylene.

Waste Code: K095
Waste Description: Distillation Bottoms From The Production Of 1,1,1-Trichloroethane.

Waste Code: K096
Waste Description: Heavy Ends From The Heavy Ends Column From The Production Of 1,1,1-Trichloroethane.

Waste Code: K097
Waste Description: Vacuum Stripper Discharge From The Chlordane Chlorinator In The Production Of Chlordane.

Waste Code: K098
Waste Description: Untreated Process Wastewater From The Production Of Toxaphene.

Waste Code: K099
Waste Description: Untreated Wastewater From The Production Of 2,4-D.

Waste Code: K100
Waste Description: Waste Leaching Solution From Acid Leaching Of Emission Control Dust/Sludge From Secondary Lead Smelting.

Waste Code: K101
Waste Description: Distillation Tar Residues From The Distillation Of Aniline-Based Compounds In The Production Of Veterinary Pharmaceuticals From Arsenic Or Organo-Arsenic Compounds.

Waste Code: K102
Waste Description: Residue From The Use Of Activated Carbon For Decolorization In The Production Of Veterinary Pharmaceuticals From Arsenic Or Organo-Arsenic Compounds.

Waste Code: K103
Waste Description: Process Residues From Aniline Extraction From The Production Of Aniline.

Waste Code: K104
Waste Description: Combined Wastewaters Generated From Nitrobenzene/Aniline Production.

Waste Code: K105
Waste Description: Separated Aqueous Stream From The Reactor Product Washing Step In The Production Of Chlorobenzenes.

Waste Code: K106
Waste Description: Wastewater Treatment Sludge From The Mercury Cell Process In Chlorine Production.

Waste Code: K107
Waste Description: Column Bottoms From Product Separation From The Production Of 1,1-Dimethylhydrazine (Udmh) From Carboxylic Acid Hydrazides.

Waste Code: K108

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Description: Condensed Column Overheads From Product Separation And Condensed Reactor Vent Gases From The Production Of 1,1-Dimethylhydrazine From Carboxylic Acid Hydrazides.

Waste Code: K109
Waste Description: Spent Filter Cartridges From Product Purification From The Product Of 1,1-Dimethylhydrazine From Carboxylic Acid Hydrazides.

Waste Code: K110
Waste Description: Condensed Column Overheads From Intermediate Separation From The Production Of 1,1-Dimethylhydrazine From Carboxylic Acid Hydrazides.

Waste Code: K111
Waste Description: Product Washwaters From The Production Of Dinitrotoluene Via Nitration Of Toluene.

Waste Code: K112
Waste Description: Reaction By-Product Water From The Drying Column In The Production Of Toluenediamine Via Hydrogenation Of Dinitrotoluene.

Waste Code: K113
Waste Description: Condensed Liquid Light Ends From Purification Of Toluenediamine In Production Of Toluenediamine Via Hydrogenation Of Dinitrotoluene.

Waste Code: K114
Waste Description: Vicinals From The Purification Of Toluenediamine In Production Of Toluenediamine Via Hydrogenation Of Dinitrotoluene.

Waste Code: K115
Waste Description: Heavy Ends From Purification Of Toluenediamine In The Production Of Toluenediamine Via Hydrogenation Of Dinitrotoluene.

Waste Code: K116
Waste Description: Organic Condensate From The Solvent Recovery Column In The Production Of Toluene Diisocyanate Via Phosgenation Of Toluenediamine.

Waste Code: K117
Waste Description: Wastewater From The Reactor Vent Gas Scrubber In The Production Of Ethylene Dibromide Via Bromination Of Ethene.

Waste Code: K118
Waste Description: Spent Adsorbent Solids From Purification Of Ethylene Dibromide In The Production Of Ethylene Dibromide Via Bromination Of Ethene.

Waste Code: K123
Waste Description: Process Wastewater (Including Supernates, Filtrates, And Washwaters) From The Production Of Ethylenebisdithiocarbamic Acid And Its Salts.

Waste Code: K124
Waste Description: Reactor Vent Scrubber Water From The Production Of Ethylenebisdithiocarbamic Acid And Its Salts.

Waste Code: K125
Waste Description: Filtration, Evaporation, And Centrifugation Solids From The Production Of Ethylenebisdithiocarbamic Acid And Its Salts.

Waste Code: K126

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Description:	Baghouse Dust And Floor Sweepings In Milling And Packaging Operations From Production Or Formulation Of Ethylenebisdithiocarbamic Acid And Its Salts.
Waste Code:	K131
Waste Description:	Wastewater From The Reactor And Spent Sulfuric Acid From The Acid Dryer From The Production Of Methyl Bromide.
Waste Code:	K132
Waste Description:	Spent Absorbent And Wastewater Separator Solids From The Production Of Methyl Bromide.
Waste Code:	K136
Waste Description:	Still Bottoms From The Purification Of Ethylene Dibromide In The Production Of Ethylene Dibromide Via Bromination Of Ethene.
Waste Code:	K141
Waste Description:	Process Residues From The Recovery Of Coal Tar, Including, But Not Limited To, Tar Collecting Sump Residues From The Production Of Coke From Coal Or The Recovery Of Coke By-Products Produced From Coal. This Listing Does Not Include K087 (Decanter Tank Sludge From Coking Operations).
Waste Code:	K142
Waste Description:	Tank Storage Residues From The Production Of Coke From Coal Or From The Recovery Of Coke By-Products From Coal.
Waste Code:	K143
Waste Description:	Process Residues From The Recovery Of Light Oil, Including, But Not Limited To, Those Generated In Stills, Decanters, And Wash Oil Recovery Units From The Recovery Of Coke By-Products Produced From Coal.
Waste Code:	K144
Waste Description:	Wastewater Sump Residues From Light Oil Refining, Including, But Not Limited To, Intercepting Or Contamination Sump Sludges From The Recovery Of Coke By-Products Produced From Coal.
Waste Code:	K145
Waste Description:	Residues From Naphthalene Collection And Recovery Operations From The Recovery Of Coke By-Products Produced From Coal.
Waste Code:	K147
Waste Description:	Tar Storage Residues From Coal Tar Refining.
Waste Code:	K148
Waste Description:	Residues From Coal Tar Distillation, Including, But Not Limited To, Still Bottoms.
Waste Code:	K149
Waste Description:	Distillation Bottoms From The Production Of Alpha (Or Methyl-) Chlorinated Tolunes, Ring-Chlorinated Tolunes, Benzoyl Chlorides, And Compounds With Mixtures Of These Functional Groups. [This Waste Does Not Include Still Bottoms From The Distillation Of Benzoyl Chloride]
Waste Code:	K150
Waste Description:	Organic Residules Excluding Spent Carbon Adsorbent, From The Spent

DCH AUDI CALABASAS (Continued) **1025502183**

Chlorine Gas And Hydrochloric Acid Recovery Processes Associated With The Production Of Alpha (Or Methyl-) Chlorinated Tolunes, Benzoyl Chlorides, And Compounds With Mixtures Of These Functional Groups.

Waste Code: K151
Waste Description: Wastewater Treatment Sludges, Excluding Neutralization And Biological Sludges, Generated During The Treatment Of Wastewaters From The Production Of Alpha (Or Methyl-) Chlorinated Tolunes, Benzoyl Chlorides, And Compounds With Mixtures Of These Functional Groups.

Waste Code: K156
Waste Description: Organic Waste (Including Heavy Ends, Still Bottoms, Light Ends, Spent Solvents, Filtrates, And Decantates) From The Production Of Carbamates And Carbamoyl Oximes.

Waste Code: K157
Waste Description: Wastewaters (Including Scrubber Waters, Condenser Waters, Washwaters, And Separation Waters) From The Production Of Carbamates And Carbamoyl Oximes.

Waste Code: K158
Waste Description: Bag House Dusts And Filter/Separation Solids From The Production Of Carbamates And Carbamoyl Oximes.

Waste Code: K159
Waste Description: Organics From The Treatment Of Thiocarbamate Wastes.

Waste Code: K161
Waste Description: Purification Solids (Including Filtration, Evaporation, And Centrifugation Solids), Bag House Dust And Floor Sweepings From The Production Of Dithiocarbamate Acids And Their Salts. (This Listing Does Not Include K125 Or K126).

Waste Code: K169
Waste Description: K169

Waste Code: K170
Waste Description: K170

Waste Code: K171
Waste Description: K171

Waste Code: K172
Waste Description: K172

Waste Code: K174
Waste Description: Wastewater Treatment Sludges From The Production Of Ethlyene Dichloride Or Vinyl Chloride

Waste Code: K175
Waste Description: Wastewater Treatment Sludge From The Production Of Vinyl Chloride Monomer..

Waste Code: K176
Waste Description: Baghouse Filters From The Production Of Antimony Oxide, Including Filters From The Production Of Intermediates (E.G.,Antimony Metal Or Crude Antimony Oxide)

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Code: K177
Waste Description: Slag From The Production Of Antimony Oxide That Is Speculatively Accumulated Or Disposed,Including Slag From The Production Of Intermediates (E.G.,Antimony Metal Or Crude Antimony Oxide)

Waste Code: K178
Waste Description: Residues From Manufacturing And Manufacturing-Site Storage Of Ferric Chloride From Acids Formed During The Production Of Titanium Dioxide Using The Chloride-Ilmenite Process.

Waste Code: K181
Waste Description: Nonwastewaters From The Production Of Dyes And/Or Pigments.

Waste Code: LABP
Waste Description: Labp

Waste Code: P001
Waste Description: 2h-1-Benzopyran-2-One, 4-Hydroxy-3-(3-Oxo-1-Phenylbutyl)-, & Salts, When Present At Concentrations Greater Than 0.3% (Or) Warfarin, & Salts, When Present At Concentrations Greater Than 0.3%

Waste Code: P002
Waste Description: 1-Acetyl-2-Thiourea (Or) Acetamide, N-(Aminothioxomethyl)-

Waste Code: P003
Waste Description: 2-Propenal (Or) Acrolein

Waste Code: P004
Waste Description: 1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-Hexa-Chloro-1,4,4a,5,8,8a,-Hexahydro-, (1alpha, 4alpha, 4abeta, 5alpha, 8alpha, 8abeta)- (Or) Aldrin

Waste Code: P005
Waste Description: 2-Propen-1-Ol (Or) Allyl Alcohol

Waste Code: P006
Waste Description: Aluminum Phosphide (R,T)

Waste Code: P007
Waste Description: 3(2h)-Isoxazolone, 5-(Aminomethyl)- (Or) 5-(Aminomethyl)-3-Isoxazolol

Waste Code: P008
Waste Description: 4-Aminopyridine (Or) 4-Pyridinamine

Waste Code: P009
Waste Description: Ammonium Picrate (R) (Or) Phenol, 2,4,6-Trinitro-, Ammonium Salt (R)

Waste Code: P010
Waste Description: Arsenic Acid H3aso4

Waste Code: P011
Waste Description: Arsenic Oxide As2o5 (Or) Arsenic Pentoxide

Waste Code: P012
Waste Description: Arsenic Oxide As2o3 (Or) Arsenic Trioxide

Waste Code: P013

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Description: Barium Cyanide

Waste Code: P014
Waste Description: Benzenethiol (Or) Thiophenol

Waste Code: P015
Waste Description: Beryllium

Waste Code: P016
Waste Description: Dichloromethyl Ether (Or) Methane, Oxybis[Chloro-

Waste Code: P017
Waste Description: 2-Propanone, 1-Bromo- (Or) Bromoacetone

Waste Code: P018
Waste Description: Brucine (Or) Strychnidin-10-One, 2,3-Dimethoxy-

Waste Code: P020
Waste Description: Dinoseb (Or) Phenol, 2-(1-Methylpropyl)-4,6-Dinitro-

Waste Code: P021
Waste Description: Calcium Cyanide (Or) Calcium Cyanide Ca(Cn)2

Waste Code: P022
Waste Description: Carbon Disulfide

Waste Code: P023
Waste Description: Acetaldehyde, Chloro- (Or) Chloroacetaldehyde

Waste Code: P024
Waste Description: Benzenamine, 4-Chloro- (Or) P-Chloraniline

Waste Code: P026
Waste Description: 1-(O-Chlorophenyl)Thiourea (Or) Thiourea, (2-Chlorophenyl)-

Waste Code: P027
Waste Description: 3-Chloropropionitrile (Or) Propanenitrile, 3-Chloro-

Waste Code: P028
Waste Description: Benzene, (Chloromethyl)- (Or) Benzyl Chloride

Waste Code: P029
Waste Description: Copper Cyanide (Or) Copper Cyanide Cu(Cn)

Waste Code: P030
Waste Description: Cyanides (Soluble Cyanide Salts), Not Otherwise Specified

Waste Code: P031
Waste Description: Cyanogen (Or) Ethanedinitrile

Waste Code: P033
Waste Description: Cyanogen Chloride (Or) Cyanogen Chloride (Cn)Cl

Waste Code: P034
Waste Description: 2-Cyclohexyl-4,6-Dinitrophenol (Or) Phenol, 2-Cyclohexyl-4,6-Dinitro-

Waste Code: P036

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Description:	Arsonous Dichloride, Phenyl- (Or) Dichlorophenylarsine
Waste Code:	P037
Waste Description:	2,7:3,6-Dimethanonaphth[2,3-B]Oxirene, 3,4,5,6,9,9-Hexachloro-1a,2,2a,3,6,6a,7,7a-Octahydro-, (1aalpha, 2beta, 2aalpha, 3beta, 6beta, 6aalpha, 7beta, 7aalpha)- (Or) Dieldrin
Waste Code:	P038
Waste Description:	Arsine, Diethyl- (Or) Diethylarsine
Waste Code:	P039
Waste Description:	Disulfoton (Or) Phosphorodithioic Acid, O,O-Diethyl S-[2-(Ethylthio)Ethyl] Ester
Waste Code:	P040
Waste Description:	O,O-Diethyl O-Pyrazinyl Phosphorothioate (Or) Phosphorothioic Acid, O,O-Diethyl O-Pyrazinyl Ester
Waste Code:	P041
Waste Description:	Diethyl-P-Nitrophenyl Phosphate (Or) Phosphoric Acid, Diethyl 4-Nitrophenyl Ester
Waste Code:	P042
Waste Description:	1,2-Benzenediol, 4-[1-Hydroxy-2-(Methylamino)Ethyl]-, (R)- (Or) Epinephrine
Waste Code:	P043
Waste Description:	Diisopropylfluorophosphate (Dfp) (Or) Phosphorofluoridic Acid, Bis(1-Methylethyl) Ester
Waste Code:	P044
Waste Description:	Dimethoate (Or) Phosphorodithioic Acid, O,O-Dimethyl S-[2-(Methylamino)-2-Oxoethyl] Ester
Waste Code:	P045
Waste Description:	2-Butanone, 3,3-Dimethyl-1-(Methylthio)-, O-[Methylamino)Carbonyl] Oxime (Or) Thiofanox
Waste Code:	P046
Waste Description:	Alpha,Alpha-Dimethylphenethylamine (Or) Benzeneethanamine, Alpha, Alpha-Dimethyl-
Waste Code:	P047
Waste Description:	4,6-Dinitro-O-Cresol, & Salts (Or) Phenol, 2-Methyl-4,6-Dinitro-, & Salts
Waste Code:	P048
Waste Description:	2,4-Dinitrophenol (Or) Phenol, 2,4-Dinitro-
Waste Code:	P049
Waste Description:	Dithiobiuret (Or) Thioimidodicarbonic Diamide [(H2n)C(S)]2nh
Waste Code:	P050
Waste Description:	6,9-Methano-2,4,3-Benzodioxathiepin,6,7,8,9,10,10-Hexachloro-1,5,5a,6, 9,9a-Hexahydro-,3-Oxide (Or) Endosulfan
Waste Code:	P051

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Waste Description: 2,7:3,6-Dimethanonaphth[2,3-B]Oxirene, 3,4,5,6,9,9-Hexachloro-1a,2,2a,3,6,6a,7,7a-Octahydro-, (1aalpha, 2beta, 2abeta, 3alpha, 6alpha, 6abeta, 7beta, 7aalpha)- & Metabolites (Or) Endrin (Or) Endrin, & Metabolites

Waste Code: P054
Waste Description: Aziridine (Or) Ethyleneimine

Waste Code: P056
Waste Description: Fluorine

Waste Code: P057
Waste Description: Acetamide, 2-Fluoro- (Or) Fluoroacetamide

Waste Code: P058
Waste Description: Acetic Acid, Fluoro-, Sodium Salt (Or) Fluoroacetic Acid, Sodium Salt

Waste Code: P059
Waste Description: 4,7-Methano-1h-Indene, 1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-Tetrahydro- (Or) Heptachlor

Waste Code: P060
Waste Description: 1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-Hexa-Chloro-1,4,4a,5,8,8a,-Hexahydro-, (1alpha, 4alpha, 4abeta, 5beta, 8beta, 8abeta)- (Or) Isodrin

Waste Code: P062
Waste Description: Hexaethyl Tetraphosphate (Or) Tetraphosphoric Acid, Hexaethyl Ester

Waste Code: P063
Waste Description: Hydrocyanic Acid (Or) Hydrogen Cyanide

Waste Code: P064
Waste Description: Methane, Isocyanato- (Or) Methyl Isocyanate

Waste Code: P065
Waste Description: Fulminic Acid, Mercury(2+) Salt (R,T) (Or) Mercury Fulminate (R,T)

Waste Code: P066
Waste Description: Ethanimidothioic Acid, N-[[(Methylamino)Carbonyl]Oxy]-, Methyl Ester (Or) Methomyl

Waste Code: P067
Waste Description: 1,2-Propylenimine (Or) Aziridine, 2-Methyl-

Waste Code: P068
Waste Description: Hydrazine, Methyl- (Or) Methyl Hydrazine

Waste Code: P069
Waste Description: 2-Methyllactonitrile (Or) Propanenitrile, 2-Hydroxy-2-Methyl-

Waste Code: P070
Waste Description: Aldicarb (Or) Propanal, 2-Methyl-2-(Methylthio)-, O-[(Methylamino)Carbonyl]Oxime

Waste Code: P071
Waste Description: Methyl Parathion (Or) Phosphorothioic Acid, O,O,-Dimethyl

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O-(4-Nitrophenyl) Ester

Waste Code: P072
Waste Description: Alpha-Naphthylthiourea (Or) Thiourea, 1-Naphthalenyl-

Waste Code: P073
Waste Description: Nickel Carbonyl (Or) Nickel Carbonyl Ni(Co)4, (T-4)-

Waste Code: P074
Waste Description: Nickel Cyanide (Or) Nickel Cyanide Ni(Cn)2

Waste Code: P075
Waste Description: Nicotine, & Salts (Or) Pyridine, 3-(1-Methyl-2-Pyrrolidinyl)-,(S)-, & Salts

Waste Code: P076
Waste Description: Nitric Oxide (Or) Nitrogen Oxide No

Waste Code: P077
Waste Description: Benzenamine, 4-Nitro- (Or) P-Nitroaniline

Waste Code: P078
Waste Description: Nitrogen Dioxide (Or) Nitrogen Oxide No2

Waste Code: P081
Waste Description: 1,2,3-Propanetriol, Trinitrate (R) (Or) Nitroglycerine (R)

Waste Code: P082
Waste Description: Methanimine, N-Methyl-N-Nitroso- (Or) N-Nitrosodimethylamine

Waste Code: P084
Waste Description: N-Nitrosomethylvinylamine (Or) Vinylamine, N-Methyl-N-Nitroso-

Waste Code: P085
Waste Description: Diphosphoramide, Octamethyl- (Or) Octamethylpyrophosphoramide

Waste Code: P087
Waste Description: Osmium Oxide Oso4, (T-4)- (Or) Osmium Tetroxide

Waste Code: P088
Waste Description: 7-Oxabicyclo[2.2.1]Heptane-2,3-Dicarboxylic Acid (Or) Endothall

Waste Code: P089
Waste Description: Parathion (Or) Phosphorothioic Acid, O,O-Diethyl-O-(4-Nitrophenyl) Ester

Waste Code: P092
Waste Description: Mercury, (Acetato-O)Phenyl- (Or) Phenylmercury Acetate

Waste Code: P093
Waste Description: Phenylthiourea (Or) Thiourea, Phenyl-

Waste Code: P094
Waste Description: Phorate (Or) Phosphorodithioic Acid, O,O-Diethyl S-[(Ethylthio)Methyl] Ester

Waste Code: P095

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Description: Carbonic Dichloride (Or) Phosgene

Waste Code: P096
Waste Description: Hydrogen Phosphide (Or) Phosphine

Waste Code: P097
Waste Description: Famphur (Or) Phosphorothioic Acid O-[4-[(Dimethylamino)Sulfonyl]Phenyl] O,O-Dimethyl Ester

Waste Code: P098
Waste Description: Potassium Cyanide (Or) Potassium Cyanide K(Cn)

Waste Code: P099
Waste Description: Argentate (1-), Bis(Cyano-C)-, Potassium (Or) Potassium Silver Cyanide

Waste Code: P101
Waste Description: Ethyl Cyanide (Or) Propanenitrile

Waste Code: P102
Waste Description: 2-Propyn-1-Ol (Or) Propargyl Alcohol

Waste Code: P103
Waste Description: Selenourea

Waste Code: P104
Waste Description: Silver Cyanide (Or) Silver Cyanide Ag(Cn)

Waste Code: P105
Waste Description: Sodium Azide

Waste Code: P106
Waste Description: Sodium Cyanide (Or) Sodium Cyanide Na(Cn)

Waste Code: P108
Waste Description: Strychnidin-10-One, & Salts (Or) Strychnine, & Salts

Waste Code: P109
Waste Description: Tetraethyldithiopyrophosphate (Or) Thiodiphosphoric Acid, Tetraethyl Ester

Waste Code: P110
Waste Description: Plumbane, Tetraethyl- (Or) Tetraethyl Lead

Waste Code: P111
Waste Description: Diphosphoric Acid, Tetraethyl Ester (Or) Tetraethyl Pyrophosphate

Waste Code: P112
Waste Description: Methane, Tetranitro- (R) (Or) Tetranitromethane (R)

Waste Code: P113
Waste Description: Thallic Oxide (Or) Thallium Oxide Tl2o3

Waste Code: P114
Waste Description: Selenious Acid, Dithallium (1+) Salt (Or) Thallium(I) Selenite

Waste Code: P115
Waste Description: Sulfuric Acid, Dithallium (1+) Salt (Or) Thallium(I) Sulfate

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Waste Code: P116
Waste Description: Hydrazinecarbothioamide (Or) Thiosemicarbazide

Waste Code: P118
Waste Description: Methanethiol, Trichloro- (Or) Trichloromethanethiol

Waste Code: P119
Waste Description: Ammonium Vanadate (Or) Vanadic Acid, Ammonium Salt

Waste Code: P120
Waste Description: Vanadium Oxide V2o5 (Or) Vanadium Pentoxide

Waste Code: P121
Waste Description: Zinc Cyanide (Or) Zinc Cyanide Zn(Cn)2

Waste Code: P122
Waste Description: Zinc Phosphide Zn3p2, When Present At Concentrations Greater Than 10% (R,T)

Waste Code: P123
Waste Description: Toxaphene

Waste Code: P124
Waste Description: Actinomycin D

Waste Code: P127
Waste Description: P127

Waste Code: P128
Waste Description: P128

Waste Code: P185
Waste Description: 1,3-Dithiolane-2-Carboxaldehyde, 2,4-Dimethyl-, O-[(Methylamino)-Carbonyl]Oxime (Or) Tirpate

Waste Code: P188
Waste Description: Benzoic Acid, 2-Hydroxy-, Compd. With (3as-Cis)-1,2,3,3a,8,8a-Hexahydro-1,3a,8-Trimethylpyrrolo[2,3-B]Indol-5-Yl Methylcarbamate Ester (1:1) (Or) Physostigmine Salicylate

Waste Code: P189
Waste Description: Carbamic Acid, [(Dibutylamino)-Thio]Methyl-, 2,3-Dihydro-2,2-Dimethyl -7-Benzofuranyl Ester (Or) Carbosulfan

Waste Code: P190
Waste Description: Carbamic Acid, Methyl-, 3-Methylphenyl Ester (Or) Metolcarb

Waste Code: P191
Waste Description: Carbamic Acid, Dimethyl-, 1-[(Dimethyl-Amino)Carbonyl]- 5-Methyl-1h-Pyrazol-3-Yl Ester (Or) Dimetilan

Waste Code: P192
Waste Description: Isolan (Or) Carbamic Acid, Dimethyl-, 3-Methy-L-(1-Methylethyl)-1h-Pyrazol-5-Yl Ester

Waste Code: P194
Waste Description: Ethanimidothioc Acid, 2-(Dimethylamino)-N-[[(Methylamino)

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Carbonyl]Oxy]-2-Oxo-, Methyl Ester (Or) Oxamyl

Waste Code: P196
Waste Description: Manganese Dimethyldithiocarbamate (Or) Manganese, Bis(Dimethylcarbamodithioato-S,S')-,

Waste Code: P197
Waste Description: Formparanate (Or) Methanimidamide, N,N-Dimethyl-N'-[2-Methyl-4-[[(Methylamino)Carbonyl]Oxy]Phenyl]

Waste Code: P198
Waste Description: Methanimidamide, N,N-Dimethyl-N'-[3-[[(Methylamino)-Carbonyl]Oxy]Phenyl]-, Monohydrochloride (Or) Formetanate Hydrochloride

Waste Code: P199
Waste Description: P199

Waste Code: P201
Waste Description: Phenol, 3-Methyl-5-(1-Methylethyl)-, Methyl Carbamate (Or) Promecarb

Waste Code: P202
Waste Description: M-Cumenyl Methylcarbamate (Or) 3-Isopropylphenyl N-Methylcarbamate (Or) Phenol, 3-(1-Methylethyl)-, Methyl Carbamate

Waste Code: P203
Waste Description: Aldicarb Sulfone (Or) Propanal, 2-Methyl-2-(Methyl-Sulfonyl)-, O-[(Methylamino)Carbonyl] Oxime

Waste Code: P204
Waste Description: Physostigmine (Or) Pyrrolo[2,3-B]Indol-5-Ol, 1,2,3,3a,8,8a-Hexahydro-1,3a,8-Trimethyl-Methylcarbamate (Ester), (3as-Cis)-

Waste Code: P205
Waste Description: Zinc, Bis(Dimethylcarbamodithioato-S,S')-, (Or) Ziram

Waste Code: U001
Waste Description: Acetaldehyde (I) (Or) Ethanal (I)

Waste Code: U002
Waste Description: 2-Propanone (I) (Or) Acetone (I)

Waste Code: U003
Waste Description: Acetonitrile (I,T)

Waste Code: U004
Waste Description: Acetophenone (Or) Ethanone, 1-Phenyl-

Waste Code: U005
Waste Description: 2-Acetylaminofluorene (Or) Acetamide, N-9h-Fluoren-2-Yl

Waste Code: U006
Waste Description: Acetyl Chloride (C,R,T)

Waste Code: U007
Waste Description: 2-Propenamide (Or) Acrylamide

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Waste Code:	U008
Waste Description:	2-Propenoic Acid (I) (Or) Acrylic Acid (I)
Waste Code:	U009
Waste Description:	2-Propenenitrile (Or) Acrylonitrile
Waste Code:	U010
Waste Description:	Azirino [2',3':3,4]Pyrrolo[1,2-A]Indole-4,7-Dione, 6-Amino-8-[[(Aminocarbonyl)Oxy]Methyl]-1,1a,2,8,8a,8b-Hexahydro-8a-Methoxy-5-Methyl-, [1as-(1aalpha, 8beta, 8aalpha, 8balpha)]- (Or) Mitomycin C
Waste Code:	U011
Waste Description:	1h-1,2,4-Triazol-3-Amine (Or) Amitrole
Waste Code:	U012
Waste Description:	Aniline (I,T) (Or) Benzenamine (I,T)
Waste Code:	U014
Waste Description:	Auramine (Or) Benzenamine, 4,4'-Carbonimidoylbis[N,N-Dimethyl-
Waste Code:	U015
Waste Description:	Azaserine (Or) L-Serine, Diazoacetate (Ester)
Waste Code:	U016
Waste Description:	Benz[C]Acridine
Waste Code:	U017
Waste Description:	Benzal Chloride (Or) Benzene, (Dichloromethyl)-
Waste Code:	U018
Waste Description:	Benz[A]Anthracene
Waste Code:	U019
Waste Description:	Benzene (I,T)
Waste Code:	U020
Waste Description:	Benzenesulfonic Acid Chloride (C,R) (Or) Benzenesulfonyl Chloride (C,R)
Waste Code:	U021
Waste Description:	[1,1'-Biphenyl]-4,4'-Diamine (Or) Benzidine
Waste Code:	U022
Waste Description:	Benzo[A]Pyrene
Waste Code:	U023
Waste Description:	Benzene, (Trichloromethyl)- (Or) Benzotrichloride (C,R,T)
Waste Code:	U024
Waste Description:	Dichloromethoxy Ethane (Or) Ethane, 1,1'-[Methylenebis(Oxy)]Bis[2-Chloro-
Waste Code:	U025
Waste Description:	Dichloroethyl Ether (Or) Ethane, 1,1'-Oxybis[2-Chloro-
Waste Code:	U026

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Waste Description: Chlornaphazin (Or) Naphthalenamine, N,N'-Bis(2-Chloroethyl)-

Waste Code: U027
Waste Description: Dichloroisopropyl Ether (Or) Propane, 2,2'-Oxybis[2-Chloro-

Waste Code: U028
Waste Description: 1,2-Benzenedicarboxylic Acid, Bis(2-Ethylhexyl) Ester (Or) Diethylhexyl Phthalate

Waste Code: U029
Waste Description: Methane, Bromo- (Or) Methyl Bromide

Waste Code: U030
Waste Description: 4-Bromophenyl Phenyl Ether (Or) Benzene, 1-Bromo-4-Phenoxy-

Waste Code: U031
Waste Description: 1-Butanol (I) (Or) N-Butyl Alcohol (I)

Waste Code: U032
Waste Description: Calcium Chromate (Or) Chromic Acid H2cro4, Calcium Salt

Waste Code: U033
Waste Description: Carbon Oxyfluoride (R,T) (Or) Carbonic Difluoride

Waste Code: U034
Waste Description: Acetaldehyde, Trichloro- (Or) Chloral

Waste Code: U035
Waste Description: Benzenebutanoic Acid, 4-[Bis(2-Chloroethyl)Amino]- (Or) Chlorambucil

Waste Code: U036
Waste Description: 4,7-Methano-1h-Indene, 1,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-Hexahydro- (Or) Chlordane, Alpha & Gamma Isomers

Waste Code: U037
Waste Description: Benzene, Chloro- (Or) Chlorobenzene

Waste Code: U038
Waste Description: Benzeneacetic Acid, 4-Chloro-Alpha-(4-Chlorophenyl)-Alpha-Hydroxy-, Ethyl Ester (Or) Chlorobenzilate

Waste Code: U039
Waste Description: P-Chloro-M-Cresol (Or) Phenol, 4-Chloro-3-Methyl-

Waste Code: U041
Waste Description: Epichlorohydrin (Or) Oxirane, (Chloromethyl)-

Waste Code: U042
Waste Description: 2-Chloroethyl Vinyl Ether (Or) Ethene, (2-Chloroethoxy)-

Waste Code: U043
Waste Description: Ethene, Chloro- (Or) Vinyl Chloride

Waste Code: U044
Waste Description: Chloroform (Or) Methane, Trichloro-

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Waste Code:	U045
Waste Description:	Methane, Chloro- (I,T) (Or) Methyl Chloride (I,T)
Waste Code:	U046
Waste Description:	Chloromethyl Methyl Ether (Or) Methane, Chloromethoxy-
Waste Code:	U047
Waste Description:	Beta-Chloronaphthalene (Or) Naphthalene, 2-Chloro-
Waste Code:	U048
Waste Description:	O-Chlorophenol (Or) Phenol, 2-Chloro-
Waste Code:	U049
Waste Description:	4-Chloro-O-Toluidine, Hydrochloride (Or) Benzenamine, 4-Chloro-2-Methyl-, Hydrochloride
Waste Code:	U050
Waste Description:	Chrysene
Waste Code:	U051
Waste Description:	Creosote
Waste Code:	U052
Waste Description:	Cresol (Cresylic Acid) (Or) Phenol, Methyl-
Waste Code:	U053
Waste Description:	2-Butenal (Or) Crotonaldehyde
Waste Code:	U055
Waste Description:	Benzene, (1-Methylethyl)- (I) (Or) Cumene (I)
Waste Code:	U056
Waste Description:	Benzene, Hexahydro- (I) (Or) Cyclohexane (I)
Waste Code:	U057
Waste Description:	Cyclohexanone (I)
Waste Code:	U058
Waste Description:	2h-1,3,2-Oxazaphosphorin-2-Amine, N,N-Bis(2-Chloroethyl)Tetrahydro-, 2-Oxide (Or) Cyclophosphamide
Waste Code:	U059
Waste Description:	5,12-Naphthacenedione, 8-Acetyl-10-[(3-Amino-2,3,6-Trideoxy)-Alpha-L-Lyxo-Hexopyranosyl)Oxy]-7,8,9,10-Tetrahydro-6,8,11-Trihydroxy-1-Methoxy-, (8s-Cis)- (Or) Daunomycin
Waste Code:	U060
Waste Description:	Benzene, 1,1'-(2,2-Dichloroethylidene)Bis[4-Chloro- (Or) Ddd
Waste Code:	U061
Waste Description:	Benzene, 1,1'-(2,2,2-Trichloroethylidene)Bis[4-Chloro- (Or) Ddt
Waste Code:	U062
Waste Description:	Carbamothioic Acid, Bis(1-Methylethyl)-, S-(2,3-Dichloro-2-Propenyl) Ester (Or) Diallate

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Waste Code: U063
Waste Description: Dibenz[A,H]Anthracene

Waste Code: U064
Waste Description: Benzo[Rst]Pentaphene (Or) Dibenzo[A,I]Pyrene

Waste Code: U066
Waste Description: 1,2-Dibromo-3-Chloropropane (Or) Propane, 1,2-Dibromo-3-Chloro-

Waste Code: U067
Waste Description: Ethane, 1,2-Dibromo- (Or) Ethylene Dibromide

Waste Code: U068
Waste Description: Methane, Dibromo- (Or) Methylene Bromide

Waste Code: U069
Waste Description: 1,2-Benzenedicarboxylic Acid, Dibutyl Ester (Or) Dibutyl Phthalate

Waste Code: U070
Waste Description: Benzene, 1,2-Dichloro- (Or) O-Dichlorobenzene

Waste Code: U071
Waste Description: Benzene, 1,3-Dichloro- (Or) M-Dichlorobenzene

Waste Code: U072
Waste Description: Benzene, 1,4-Dichloro- (Or) P-Dichlorobenzene

Waste Code: U073
Waste Description: [1,1'-Biphenyl]-4,4'-Diamine, 3,3'-Dichloro- (Or) 3,3'-Dichlorobenzidine

Waste Code: U074
Waste Description: 1,4-Dichloro-2-Butene (I,T) (Or) 2-Butene, 1,4-Dichloro- (I,T)

Waste Code: U075
Waste Description: Dichlorodifluoromethane (Or) Methane, Dichlorodifluoro-

Waste Code: U076
Waste Description: Ethane, 1,1-Dichloro- (Or) Ethylidene Dichloride

Waste Code: U077
Waste Description: Ethane, 1,2-Dichloro- (Or) Ethylene Dichloride

Waste Code: U078
Waste Description: 1,1-Dichloroethylene (Or) Ethene, 1,1-Dichloro-

Waste Code: U079
Waste Description: 1,2-Dichloroethylene (Or) Ethene, 1,2-Dichloro-,(E)-

Waste Code: U080
Waste Description: Methane, Dichloro- (Or) Methylene Chloride

Waste Code: U081
Waste Description: 2,4-Dichlorophenol (Or) Phenol, 2,4-Dichloro-

Waste Code: U082
Waste Description: 2,6-Dichlorophenol (Or) Phenol, 2,6-Dichloro-

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Waste Code: U083
Waste Description: Propane, 1,2-Dichloro- (Or) Propylene Dichloride

Waste Code: U084
Waste Description: 1,3-Dichloropropene (Or) 1-Propene, 1,3-Dichloro-

Waste Code: U085
Waste Description: 1,2:3,4-Diepoxybutane (I,T) (Or) 2,2'-Bioxirane

Waste Code: U086
Waste Description: Hydrazine, 1,2-Diethyl- (Or) N,N'-Diethylhydrazine

Waste Code: U087
Waste Description: O,O-Diethyl S-Methyl Dithiophosphate (Or) Phosphorodithioic Acid, O,O-Diethyl S-Methyl Ester

Waste Code: U088
Waste Description: 1,2-Benzenedicarboxylic Acid, Diethyl Ester (Or) Diethyl Phthalate

Waste Code: U089
Waste Description: Diethylstilbesterol (Or) Phenol, 4,4'-(1,2-Diethyl-1,2-Ethenediyl)Bis, (E)-

Waste Code: U090
Waste Description: 1,3-Benzodioxole, 5-Propyl- (Or) Dihydrosafrole

Waste Code: U091
Waste Description: [1,1'-Biphenyl]-4,4'-Diamine, 3,3'-Dimethoxy- (Or) 3,3'-Dimethoxybenzidine

Waste Code: U092
Waste Description: Dimethylamine (I) (Or) Methanamine, N-Methyl- (I)

Waste Code: U093
Waste Description: Benzenamine, N,N-Dimethyl-4-(Phenylazo)- (Or) P-Dimethylaminoazobenzene

Waste Code: U094
Waste Description: 7,12-Dimethylbenz[A]Anthracene (Or) Benz[A]Anthracene, 7,12-Dimethyl-

Waste Code: U095
Waste Description: [1,1'-Biphenyl]-4,4'-Diamine, 3,3'-Dimethyl- (Or) 3,3'-Dimethylbenzidine

Waste Code: U096
Waste Description: Alpha,Alpha-Dimethylbenzylhydroperoxide (R) (Or) Hydroperoxide, 1-Methyl-1-Phenylethyl- (R)

Waste Code: U097
Waste Description: Carbamic Chloride, Dimethyl- (Or) Dimethylcarbamoyl Chloride

Waste Code: U098
Waste Description: 1,1-Dimethylhydrazine (Or) Hydrazine, 1,1-Dimethyl-

Waste Code: U099
Waste Description: 1,2-Dimethylhydrazine (Or) Hydrazine, 1,2-Diphenyl-

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Waste Code: U101
Waste Description: 2,4-Dimethylphenol (Or) Phenol, 2,4-Dimethyl-

Waste Code: U102
Waste Description: 1,2-Benzenedicarboxylic Acid, Dimethyl Ester (Or) Dimethyl Phthalate

Waste Code: U103
Waste Description: Dimethyl Sulfate (Or) Sulfuric Acid, Dimethyl Ester

Waste Code: U105
Waste Description: 2,4-Dinitrotoluene (Or) Benzene, 1-Methyl-2,4-Dinitro-

Waste Code: U106
Waste Description: 2,6-Dinitrotoluene (Or) Benzene, 2-Methyl-1,3-Dinitro-

Waste Code: U107
Waste Description: 1,2-Benzenedicarboxylic Acid, Dioctyl Ester (Or) Di-N-Octyl Phthalate

Waste Code: U108
Waste Description: 1,4-Diethyleneoxide (Or) 1,4-Dioxane

Waste Code: U109
Waste Description: 1,2-Diphenylhydrazine (Or) Hydrazine, 1,2-Diphenyl-

Waste Code: U110
Waste Description: 1-Propanimine, N-Propyl-(I) (Or) Dipropylamine (I)

Waste Code: U111
Waste Description: 1-Propanamine, N-Nitroso-N-Propyl- (Or) Di-N-Propylnitrosamine

Waste Code: U112
Waste Description: Acetic Acid, Ethyl Ester (I) (Or) Ethyl Acetate (I)

Waste Code: U113
Waste Description: 2-Propenoic Acid, Ethyl Ester (I) (Or) Ethyl Acrylate (I)

Waste Code: U114
Waste Description: Carbamodithioic Acid, 1,2-Ethanediylbis-, Salts & Esters (Or) Ethylenebisdithiocarbamic Acid, Salts & Esters

Waste Code: U115
Waste Description: Ethylene Oxide (I,T) (Or) Oxirane (I,T)

Waste Code: U116
Waste Description: 2-Imidazolidinethione (Or) Ethylenethiourea

Waste Code: U117
Waste Description: Ethane, 1,1'-Oxybis-(I) (Or) Ethyl Ether (I)

Waste Code: U118
Waste Description: 2-Propenoic Acid, 2-Methyl-, Ethyl Ester (Or) Ethyl Methacrylate

Waste Code: U119
Waste Description: Ethyl Methanesulfonate (Or) Methanesulfonic Acid, Ethyl Ester

Waste Code: U120
Waste Description: Fluoranthene

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Waste Code: U121
Waste Description: Methane, Trichlorofluoro- (Or) Trichloromonofluoromethane

Waste Code: U122
Waste Description: Formaldehyde

Waste Code: U123
Waste Description: Formic Acid (C,T)

Waste Code: U124
Waste Description: Furan (I) (Or) Furfuran (I)

Waste Code: U125
Waste Description: 2-Furancarboxaldehyde (I) (Or) Furfural (I)

Waste Code: U126
Waste Description: Glycidylaldehyde (Or) Oxiranecarboxyaldehyde

Waste Code: U127
Waste Description: Benzene, Hexachloro- (Or) Hexachlorobenzene

Waste Code: U128
Waste Description: 1,3-Butadiene, 1,1,2,3,4,4-Hexachloro- (Or) Hexachlorobutadiene

Waste Code: U129
Waste Description: Cyclohexane, 1,2,3,4,5,6-Hexachloro-, (1alpha, 2alpha, 3beta, 4alpha, 5alpha, 6beta)- (Or) Lindane

Waste Code: U130
Waste Description: 1,3-Cyclopentadiene, 1,2,3,4,5,5-Hexachloro- (Or) Hexachlorocyclopentadiene

Waste Code: U131
Waste Description: Ethane, Hexachloro- (Or) Hexachloroethane

Waste Code: U132
Waste Description: Hexachlorophene (Or) Phenol, 2,2'-Methylenebis[3,4,6-Trichloro-

Waste Code: U133
Waste Description: Hydrazine (R,T)

Waste Code: U134
Waste Description: Hydrofluoric Acid (C,T) (Or) Hydrogen Fluoride (C,T)

Waste Code: U135
Waste Description: Hydrogen Sulfide (Or) Hydrogen Sulfide H2s

Waste Code: U136
Waste Description: Arsinic Acid, Dimethyl- (Or) Cacodylic Acid

Waste Code: U137
Waste Description: Indeno[1,2,3-Cd]Pyrene

Waste Code: U138
Waste Description: Methane, Iodo- (Or) Methyl Iodide

Waste Code: U140

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Waste Description: 1-Propanol, 2-Methyl- (I,T) (Or) Isobutyl Alcohol (I,T)

Waste Code: U141
Waste Description: 1,3-Benzodioxole, 5-(1-Propenyl)- (Or) Isosafrole

Waste Code: U142
Waste Description: 1,3,4-Metheno-2h-Cyclobuta[Cd]Pentalen-2-One, 1,1a,3,3a,4,5,5,5a,5b,6-Decachlorooctahydro- (Or) Kepone

Waste Code: U143
Waste Description: 2-Butenoic Acid, 2-Methyl-, 7-[[2,3-Dihydroxy-2-(1-Methoxyethyl)-3-Methyl-1-Oxobutoxy]Methyl]-2,3,5,7a-Tetrahydro-1h-Pyrrolizin-1-Yl Ester, [1s-[1alpha(Z), 7(2s*,3r*), 7aalpha]]- (Or) Lasiocarpine

Waste Code: U144
Waste Description: Acetic Acid, Lead(2+) Salt (Or) Lead Acetate

Waste Code: U145
Waste Description: Lead Phosphate (Or) Phosphoric Acid, Lead(2+) Salt (2:3)

Waste Code: U146
Waste Description: Lead Subacetate (Or) Lead, Bis(Acetato-O)Tetrahydroxytri-

Waste Code: U147
Waste Description: 2,5-Furandione (Or) Maleic Anhydride

Waste Code: U148
Waste Description: 3,6-Pyridazinedione, 1,2-Dihydro- (Or) Maleic Hydrazide

Waste Code: U149
Waste Description: Malononitrile (Or) Propanedinitrile

Waste Code: U150
Waste Description: L-Phenylalanine, 4-[Bis(2-Chloroethyl)Amino]- (Or) Melphalan

Waste Code: U151
Waste Description: Mercury

Waste Code: U152
Waste Description: 2-Propenenitrile, 2-Methyl- (I,T) (Or) Methacrylonitrile (I,T)

Waste Code: U153
Waste Description: Methanethiol (I,T) (Or) Thiomethanol (I,T)

Waste Code: U154
Waste Description: Methanol (I) (Or) Methyl Alcohol (I)

Waste Code: U155
Waste Description: 1,2-Ethanediamine, N,N-Dimethyl-N'-2-Pyridinyl-N'-(2-Thienylmethyl)- (Or) Methapyrilene

Waste Code: U156
Waste Description: Carbonochloridic Acid, Methyl Ester, (I,T) (Or) Methyl Chlorocarbonate (I,T)

Waste Code: U157

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Waste Description: 3-Methylcholanthrene (Or) Benz[J]Aceanthrylene, 1,2-Dihydro-3-Methyl-

Waste Code: U158
Waste Description: 4,4'-Methylenebis(2-Chloroaniline) (Or) Benzenamine, 4,4'-Methylenebis[2-Chloro-

Waste Code: U159
Waste Description: 2-Butanone (I,T) (Or) Methyl Ethyl Ketone (Mek) (I,T)

Waste Code: U160
Waste Description: 2-Butanone, Peroxide (R,T) (Or) Methyl Ethyl Ketone Peroxide (R,T)

Waste Code: U161
Waste Description: 4-Methyl-2-Pentanone (I) (Or) Methyl Isobutyl Ketone (I) (Or) Pentanol, 4-Methyl-

Waste Code: U162
Waste Description: 2-Propenoic Acid, 2-Methyl-, Methyl Ester (I,T) (Or) Methyl Methacrylate (I,T)

Waste Code: U163
Waste Description: Guanidine, N-Methyl-N'-Nitro-N-Nitroso- (Or) Mnng

Waste Code: U164
Waste Description: 4(1h)-Pyrimidinone, 2,3-Dihydro-6-Methyl-2-Thioxo- (Or) Methylthiouracil

Waste Code: U165
Waste Description: Naphthalene

Waste Code: U166
Waste Description: 1,4-Naphthalenedione (Or) 1,4-Naphthoquinone

Waste Code: U167
Waste Description: 1-Napthalenamine (Or) Alpha-Naphthylamine

Waste Code: U168
Waste Description: 2-Napthalenamine (Or) Beta-Naphthylamine

Waste Code: U169
Waste Description: Benzene, Nitro- (Or) Nitrobenzene (I,T)

Waste Code: U170
Waste Description: P-Nitrophenol (I,T) (Or) Phenol, 4-Nitro-

Waste Code: U171
Waste Description: 2-Nitropropane (I,T) (Or) Propane, 2-Nitro- (I,T)

Waste Code: U172
Waste Description: 1-Butanamine, N-Butyl-N-Nitroso- (Or) N-Nitrosodi-N-Butylamine

Waste Code: U173
Waste Description: Ethanol, 2,2'-(Nitrosoimino)Bis- (Or) N-Nitrosodiethanolamine

Waste Code: U174
Waste Description: Ethanamine, N-Ethyl-N-Nitroso- (Or) N-Nitrosodiethylamine

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Code: U176
Waste Description: N-Nitroso-N-Ethylurea (Or) Urea, N-Ethyl-N-Nitroso-

Waste Code: U177
Waste Description: N-Nitroso-N-Methylurea (Or) Urea, N-Methyl-N-Nitroso-

Waste Code: U178
Waste Description: Carbamic Acid, Methylnitroso-, Ethyl Ester (Or) N-Nitroso-N-Methylurethane

Waste Code: U179
Waste Description: N-Nitrosopiperidine (Or) Piperidine, 1-Nitroso-

Waste Code: U180
Waste Description: N-Nitrosopyrrolidine (Or) Pyrrolidine, 1-Nitroso-

Waste Code: U181
Waste Description: 5-Nitro-O-Toluidine (Or) Benzenamine, 2-Methyl-5-Nitro

Waste Code: U182
Waste Description: 1,3,5-Trioxane, 2,4,6-Trimethyl- (Or) Paraldehyde

Waste Code: U183
Waste Description: Benzene, Pentachloro- (Or) Pentachlorobenzene

Waste Code: U184
Waste Description: Ethane, Pentachloro- (Or) Pentachloroethane

Waste Code: U185
Waste Description: Benzene, Pentachloronitro- (Or) Pentachloronitrobenzene (Pcnb)

Waste Code: U186
Waste Description: 1,3-Pentadiene (I) (Or) 1-Methylbutadiene (I)

Waste Code: U187
Waste Description: Acetamide, N-(4-Ethoxyphenyl)- (Or) Phenacetin

Waste Code: U188
Waste Description: Phenol

Waste Code: U189
Waste Description: Phosphorus Sulfide (R) (Or) Sulfur Phosphide (R)

Waste Code: U190
Waste Description: 1,3-Isobenzofurandione (Or) Phthalic Anhydride

Waste Code: U191
Waste Description: 2-Picoline (Or) Pyridine, 2-Methyl-

Waste Code: U192
Waste Description: Benzamide, 3,5-Dichloro-N-(1,1-Dimethyl-2-Propynyl)- (Or) Pronamide

Waste Code: U193
Waste Description: 1,2-Oxathiolane, 2,2-Dioxide (Or) 1,3-Propane Sultone

Waste Code: U194
Waste Description: 1-Propanamine (I,T) (Or) N-Propylamine (I,T)

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Code: U196
Waste Description: Pyridine

Waste Code: U197
Waste Description: 2,5-Cyclohexadiene-1,4-Dione (Or) P-Benzoquinone

Waste Code: U200
Waste Description: Reserpine (Or) Yohimban-16-Carboxylic Acid, 11,17-Dimethoxy-18-[(3,4,5-Trimethoxybenzoyl)Oxy]-, Methyl Ester, (3beta, 16beta, 17alpha, 18beta, 20alpha)-

Waste Code: U201
Waste Description: 1,3-Benzenediol (Or) Resorcinol

Waste Code: U203
Waste Description: 1,3-Benzodioxole, 5-(2-Propenyl)- (Or) Safrole

Waste Code: U204
Waste Description: Selenious Acid (Or) Selenium Dioxide

Waste Code: U205
Waste Description: Selenium Sulfide (Or) Selenium Sulfide Ses2 (R,T)

Waste Code: U206
Waste Description: D-Glucose, 2-Deoxy-2-[[(Methylnitrosoamino)-Carbonyl]Amino]- (Or) Glucopyranose, 2-Deoxy-2-(3-Methyl-3-Nitrosoureido)-,D- (Or) Streptozotocin

Waste Code: U207
Waste Description: 1,2,4,5-Tetrachlorobenzene (Or) Benzene, 1,2,4,5-Tetrachloro-

Waste Code: U208
Waste Description: 1,1,1,2-Tetrachloroethane (Or) Ethane, 1,1,1,2-Tetrachloro-

Waste Code: U209
Waste Description: 1,1,2,2-Tetrachloroethane (Or) Ethane, 1,1,2,2-Tetrachloro-

Waste Code: U210
Waste Description: Ethene, Tetrachloro- (Or) Tetrachloroethylene

Waste Code: U211
Waste Description: Carbon Tetrachloride (Or) Methane, Tetrachloro-

Waste Code: U213
Waste Description: Furan, Tetrahydro-(I) (Or) Tetrahydrofuran (I)

Waste Code: U214
Waste Description: Acetic Acid, Thallium(1+) Salt (Or) Thallium(I) Acetate

Waste Code: U215
Waste Description: Carbonic Acid, Dithallium(1+) Salt (Or) Thallium(I) Carbonate

Waste Code: U216
Waste Description: Thallium Chloride Tlcl (Or) Thallium(I) Chloride

Waste Code: U217
Waste Description: Nitric Acid, Thallium(1+) Salt (Or) Thallium(I) Nitrate

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Code:	U218
Waste Description:	Ethanethioamide (Or) Thioacetamide
Waste Code:	U219
Waste Description:	Thiourea
Waste Code:	U220
Waste Description:	Benzene, Methyl- (Or) Toluene
Waste Code:	U221
Waste Description:	Benzenediamine, Ar-Methyl- (Or) Toluenediamine
Waste Code:	U222
Waste Description:	Benzenamine, 2-Methyl-, Hydrochloride (Or) O-Toluidine Hydrochloride
Waste Code:	U223
Waste Description:	Benzene, 1,3-Diisocyanatomethyl- (R,T) (Or) Toluene Diisocyanate (R,T)
Waste Code:	U225
Waste Description:	Bromoform (Or) Methane, Tribromo-
Waste Code:	U226
Waste Description:	Ethane, 1,1,1-Trichloro- (Or) Methyl Chloroform
Waste Code:	U227
Waste Description:	1,1,2-Trichloroethane (Or) Ethane, 1,1,2-Trichloro-
Waste Code:	U228
Waste Description:	Ethene, Trichloro- (Or) Trichloroethylene
Waste Code:	U234
Waste Description:	1,3,5-Trinitrobenzene (R,T) (Or) Benzene, 1,3,5-Trinitro-
Waste Code:	U235
Waste Description:	1-Propanol, 2,3-Dibromo-, Phosphate (3:1) (Or) Tris(2,3,-Dibromopropyl) Phosphate
Waste Code:	U236
Waste Description:	2,7-Naphthalenedisulfonic Acid,3,3'-[(3,3'-Dimethyl[1,1'-Biphenyl]-4,4'-Diyl)Bis(Azo)Bis[5-Amino -4-Hydroxy]-, Tetrasodium Salt (Or) Trypan Blue
Waste Code:	U237
Waste Description:	2,4-(1h,3h)-Pyrimidinedione, 5-[Bis(2-Chloroethyl)Amino]- (Or) Uracil Mustard
Waste Code:	U238
Waste Description:	Carbamic Acid, Ethyl Ester (Or) Ethyl Carbamate (Urethane)
Waste Code:	U239
Waste Description:	Benzene, Dimethyl- (I,T) (Or) Xylene (I)
Waste Code:	U240
Waste Description:	2,4-D, Salts & Esters (Or) Acetic Acid, (2,4-Dichlorophenoxy)-, Salts & Esters (Or) Dichlorophenoxyacetic Acid 2,4-D
Waste Code:	U243

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Description: 1-Propene, 1,1,2,3,3,3-Hexachloro- (Or) Hexachloropropene

Waste Code: U244
Waste Description: Thioperoxydicarbonic Diamide [(H2n)C(S)]2s2, Tetramethyl- (Or) Thiram

Waste Code: U246
Waste Description: Cyanogen Bromide (Cn)Br

Waste Code: U247
Waste Description: Benzene, 1,1'-(2,2,2-Trichloroethylidene)Bis[4-Methoxy- (Or) Methoxychlor

Waste Code: U248
Waste Description: 2h-1-Benzopyran-2-One, 4-Hydroxy-3-(3-Oxo-1-Phenyl-Butyl)-, & Salts, When Present At Concentrations Of 0.3% Or Less (Or) Warfarin, & Salts, When Present At Concentrations Of 0.3% Or Less

Waste Code: U249
Waste Description: Zinc Phosphide Zn3p2, When Present At Concentrations Of 10% Or Less

Waste Code: U271
Waste Description: Benomyl (Or) Carbamic Acid, [1-[(Butylamino)Carbonyl]-1h-Benzimidazol-2-Yl]-, Methyl Ester

Waste Code: U278
Waste Description: Bendiocarb (Or) 1,3-Benzodioxol-4-Ol, 2,2-Dimethyl-, Methyl Carbamate

Waste Code: U279
Waste Description: U279

Waste Code: U280
Waste Description: Barban (Or) Carbamic Acid, (3-Chlorophenyl)-, 4-Chloro-2-Butynyl Ester

Waste Code: U328
Waste Description: Benzenamine, 2-Methyl- (Or) O-Toluidine

Waste Code: U353
Waste Description: Benzenamine, 4-Methyl- (Or) P-Toluidine

Waste Code: U359
Waste Description: Ethanol, 2-Ethoxy- (Or) Ethylene Glycol Monoethyl Ether

Waste Code: U364
Waste Description: Bendiocarb Phenol (Or) 1,3-Benzodioxol-4-Ol, 2,2-Dimethyl-

Waste Code: U367
Waste Description: 7-Benzofuranol, 2,3-Dihydro-2,2-Dimethyl- (Or) Carbofuran Phenol

Waste Code: U372
Waste Description: Carbamic Acid, 1h-Benzimidazol-2-Yl, Methyl Ester (Or) Carbendazim

Waste Code: U373
Waste Description: Carbamic Acid, Phenyl-, 1-Methylethyl Ester (Or) Propham

Waste Code: U378
Waste Description: Carbamodithioic Acid, (Hydroxymethyl) Methyl-, Monopotassium Salt (Or) Potassium N-Hydroxymethyl- N-Methyldi-Thiocarbamate

DCH AUDI CALABASAS (Continued) **1025502183**

Waste Code:	U387
Waste Description:	Carbamothioic Acid, Dipropyl-, S-(Phenylmethyl) Ester (Or) Prosulfocarb
Waste Code:	U389
Waste Description:	Carbamothioic Acid, Bis(1-Methylethyl)-, S-(2,3,3-Trichloro-2-Propenyl) Ester (Or) Triallate
Waste Code:	U394
Waste Description:	A2213 (Or) Ethanimidothioic Acid, 2-(Dimethylamino)-N-Hydroxy-2-Oxo-, Methyl Ester
Waste Code:	U395
Waste Description:	Diethylene Glycol, Dicarbamate (Or) Ethanol, 2,2'-Oxybis-, Dicarbamate
Waste Code:	U404
Waste Description:	U404
Waste Code:	U409
Waste Description:	Carbamic Acid, [1,2-Phenylenebis (Iminocarbonothioyl)]Bis-, Dimethyl Ester (Or) Thiophanate-Methyl
Waste Code:	U410
Waste Description:	Ethanimidothioic Acid, N,N'-[Thiobis[(Methylimino)Carbonyloxy]]Bis-, Dimethyl Ester (Or) Thiodicarb
Waste Code:	U411
Waste Description:	U411
Waste Code:	U480
Waste Description:	2,4,6, Tribromphenol (I.E.; Discarded Commercial Chemical Products, Off-Specification Species, Container Residues, And Spill Residues Thereof)

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: DCH AUDI CALABASAS	
Legal Status:	State
Date Became Current:	20190605
Date Ended Current:	Not reported
Owner/Operator Address:	24650 CALABASAS ROAD
Owner/Operator City,State,Zip:	CALABASAS, CA 91302
Owner/Operator Telephone:	818-877-1920
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	818-877-1969
Owner/Operator Email:	KRISTINHUEY@LITHIA.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: LITHIA MOTORS	
Legal Status:	State
Date Became Current:	20161006
Date Ended Current:	Not reported
Owner/Operator Address:	24650 CALABASAS ROAD
Owner/Operator City,State,Zip:	CALABASAS, CA 91302
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

DCH AUDI CALABASAS (Continued) **1025502183**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: LITHIA MOTORS
Legal Status: State
Date Became Current: 20161006
Date Ended Current: Not reported
Owner/Operator Address: 24650 CALABASAS ROAD
Owner/Operator City,State,Zip: CALABASAS, CA 91302
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DCH AUDI CALABASAS
Legal Status: State
Date Became Current: 20190605
Date Ended Current: Not reported
Owner/Operator Address: 24650 CALABASAS ROAD
Owner/Operator City,State,Zip: CALABASAS, CA 91302
Owner/Operator Telephone: 818-877-1920
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: 818-877-1969
Owner/Operator Email: KRISTINHUEY@LITHIA.COM

Historic Generators:
Receive Date: 20190605
Handler Name: DCH AUDI CALABASAS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20210119
Handler Name: DCH AUDI CALABASAS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 441110
NAICS Description: NEW CAR DEALERS

DCH AUDI CALABASAS (Continued) **1025502183**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C9 **ACURA 101 WEST** **RCRA-SQG 1000596404**
West **24650 CALABASAS RD** **FINDS CAD983603747**
< 1/8 **CALABASAS, CA 91302** **ECHO**
0.118 mi. **LOS ANGELES CO. HMS**
621 ft. **Site 4 of 4 in cluster C**

Relative: **Lower**
Actual: **1124 ft.**

RCRA Listings:

Date Form Received by Agency:	19920724
Handler Name:	Acura 101 West
Handler Address:	24650 Calabasas Rd
Handler City,State,Zip:	CALABASAS, CA 91302
EPA ID:	CAD983603747
Contact Name:	DANEIL BARONE
Contact Address:	24650 CALABASAS RD
Contact City,State,Zip:	CALABASAS, CA 91302
Contact Telephone:	818-222-5555
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	24650 CALABASAS RD
Mailing City,State,Zip:	CALABASAS, CA 91302
Owner Name:	Falconi Enterprises
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN

ACURA 101 WEST (Continued) **1000596404**

Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: FALCONI ENTERPRISES	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24650 CALABASAS RD
Owner/Operator City,State,Zip:	CALABASAS, CA 91302
Owner/Operator Telephone:	818-222-5555
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19920724
Handler Name: ACURA 101 WEST	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44111
NAICS Description:	NEW CAR DEALERS

ACURA 101 WEST (Continued) **1000596404**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002859185

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The California Environmental Reporting System (CERS) is a statewide web-based user and information exchange system to support over 140,000 regulated businesses and over 130 local agencies in electronically collecting and reporting significant hazardous materials, hazardous waste and compliance and enforcement data as mandated by California law. Under oversight by Cal/EPA, certified local governing agencies (Unified Program Agencies - UPAs) consolidate, coordinate and provide consistent regulatory activities for six state and federal environmental programs.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000596404
Registry ID: 110002859185
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002859185
Name: ACURA 101 WEST
Address: 24650 CALABASAS RD
City,State,Zip: CALABASAS, CA 91302

LOS ANGELES CO. HMS:
Name: ACURA 101 WEST
Address: 24650 CALABASAS RD
City,State,Zip: CALABASAS, CA 913021425
Region: LA
Permit Category: I
Facility Id: 008464-I12090
Facility Type: 01
Facility Status: Closed

ACURA 101 WEST (Continued) **1000596404**

Area: 5K
Permit Number: 000011000
Permit Status: Closed

Name: ACURA 101 WEST
Address: 24650 CALABASAS RD
City,State,Zip: CALABASAS, CA 913021425
Region: LA
Permit Category: I
Facility Id: 008464-I12090
Facility Type: 01
Facility Status: Closed
Area: 5K
Permit Number: 000395279
Permit Status: Removed

Name: ACURA 101 WEST
Address: 24650 CALABASAS RD
City,State,Zip: CALABASAS, CA 913021425
Region: LA
Permit Category: T
Facility Id: 008464-012090
Facility Type: 0
Facility Status: Removed
Area: 5K
Permit Number: 00003743T
Permit Status: Removed

Name: SONIC AUTOMOTIVE/ACURA 101WEST
Address: 24650 CALABASAS RD
City,State,Zip: CALABASAS, CA 913021425
Region: LA
Permit Category: I
Facility Id: 008464-040548
Facility Type: 01
Facility Status: Closed
Area: 5K
Permit Number: 000392912
Permit Status: Closed

10
ESE
1/8-1/4
0.164 mi.
867 ft.

HOVHANNES NAZARYAN
24366 LA MASINA COURT
CALABASAS, CA 91302

RCRA NonGen / NLR **1027684309**
CAC003226313

Relative:
Higher

Actual:
1393 ft.

RCRA Listings:
Date Form Received by Agency: 20230406
Handler Name: Hovhannes Nazaryan
Handler Address: 24366 La Masina Court
Handler City,State,Zip: CALABASAS, CA 91302
EPA ID: CAC003226313
Contact Name: HOVHANNES NAZARYAN
Contact Address: 24366 LA MASINA COURT
Contact City,State,Zip: CALABASAS, CA 91302
Contact Telephone: 213-800-0009
Contact Fax: Not reported
Contact Email: MANIFESTS@ALLIANCE-ENVIRO.COM

HOVHANNES NAZARYAN (Continued) **1027684309**

Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	24366 LA MASINA COURT
Mailing City,State,Zip:	CALABASAS, CA 91302
Owner Name:	Hovhannes Nazaryan
Owner Type:	Other
Operator Name:	Hovhannes Nazaryan
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20230407
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

HOVHANNES NAZARYAN (Continued) **1027684309**

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: HOVHANNES NAZARYAN
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 24366 LA MASINA COURT
Owner/Operator City,State,Zip: CALABASAS, CA 91302
Owner/Operator Telephone: 213-800-0009
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: HOVHANNES NAZARYAN
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 24366 LA MASINA COURT
Owner/Operator City,State,Zip: CALABASAS, CA 91302
Owner/Operator Telephone: 213-800-0009
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20230406
Handler Name: HOVHANNES NAZARYAN
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D11 BOB SMITH VC CALABASAS LLC DBA BOB SMITH VOLVO CAR **RCRA NonGen / NLR** **1024874655**
NE 24400 CALABASAS RD **CAL000443311**
1/8-1/4 CALABASAS, CA 91302
0.173 mi.
911 ft. **Site 1 of 10 in cluster D**

Relative:
Lower

Actual:
1061 ft.

RCRA Listings:

Date Form Received by Agency:	20190207
Handler Name:	Bob Smith Vc Calabasas Llc Dba Bob Smith Volvo Cars Calabasas
Handler Address:	24400 Calabasas Rd
Handler City,State,Zip:	CALABASAS, CA 91302
EPA ID:	CAL000443311
Contact Name:	VANESSA RIDDEL
Contact Address:	24500 CALABASAS RD
Contact City,State,Zip:	CALABASAS, CA 91302
Contact Telephone:	818-346-3144
Contact Fax:	Not reported
Contact Email:	VANESSA.RIDDEL@BOBSMITHBMW.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	24500 CALABASAS RD
Mailing City,State,Zip:	CALABASAS, CA 91302
Owner Name:	Bob Smith Vc Calabasas Llc
Owner Type:	Other
Operator Name:	Vanessa Riddel
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

BOB SMITH VC CALABASAS LLC DBA BOB SMITH VOLVO CARS CALABASA (Continued) **1024874655**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190222
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: VANESSA RIDDEL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24500 CALABASAS RD
Owner/Operator City,State,Zip:	CALABASAS, CA 91302
Owner/Operator Telephone:	818-346-3144
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: BOB SMITH VC CALABASAS LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24500 CALABASAS RD
Owner/Operator City,State,Zip:	CALABASAS, CA 91302
Owner/Operator Telephone:	818-346-3144
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190207
Handler Name:	BOB SMITH VC CALABASAS LLC DBA BOB SMITH VOLVO CARS CALABASAS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

BOB SMITH VC CALABASAS LLC DBA BOB SMITH VOLVO CARS CALABASA (Continued) **1024874655**

List of NAICS Codes and Descriptions:
NAICS Code: 441110
NAICS Description: NEW CAR DEALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D12 **COMPLETE AUTOMOTIVE RECONDITIONING SPECIALIST** **RCRA NonGen / NLR** **1026490808**
NE **24400 CALABASAS RD** **CAL000455545**
1/8-1/4 **CALABASAS, CA 91302**
0.173 mi.
911 ft. **Site 2 of 10 in cluster D**

Relative: **Lower**
Actual: **1061 ft.**

RCRA Listings:

Date Form Received by Agency:	20220614
Handler Name:	Complete Automotive Reconditioning Specialist
Handler Address:	24400 Calabasas Rd
Handler City,State,Zip:	CALABASAS, CA 91302
EPA ID:	CAL000455545
Contact Name:	CHRISTINA REYNOSO
Contact Address:	423 HINDRY AVE STE A
Contact City,State,Zip:	INGLEWOOD, CA 90301
Contact Telephone:	424-351-8335
Contact Fax:	818-484-2781
Contact Email:	CHRISTINA@CARSVE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	423 HINDRY AVE STE A
Mailing City,State,Zip:	INGLEWOOD, CA 90301
Owner Name:	Heriberto Reynoso
Owner Type:	Other
Operator Name:	Christina Reynoso
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No

COMPLETE AUTOMOTIVE RECONDITIONING SPECIALIST (Continued) **1026490808**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220615
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: CHRISTINA REYNOSO	
Legal Status:	Other
Date Became Current:	20220614
Date Ended Current:	Not reported
Owner/Operator Address:	423 HINDRY AVE STE A
Owner/Operator City,State,Zip:	INGLEWOOD, CA 90301
Owner/Operator Telephone:	424-351-8335
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	CHRISTINA@CARSRECON.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name: CHRISTINA REYNOSO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	423 HINDRY AVE STE A
Owner/Operator City,State,Zip:	INGLEWOOD, CA 90301
Owner/Operator Telephone:	424-351-8335
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner

COMPLETE AUTOMOTIVE RECONDITIONING SPECIALIST (Continued) **1026490808**

Owner/Operator Name: HERIBERTO REYNOSO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 423 HINDRY AVE STE A
Owner/Operator City,State,Zip: INGLEWOOD, CA 90301
Owner/Operator Telephone: 424-351-8335
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: HERIBERTO REYNOSO
Legal Status: Other
Date Became Current: 20220614
Date Ended Current: Not reported
Owner/Operator Address: 423 HINDRY AVE STE A
Owner/Operator City,State,Zip: INGLEWOOD, CA 90301
Owner/Operator Telephone: 424-351-8335
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: CHRISTINA@CARSRECON.COM

Historic Generators:
Receive Date: 20220614
Handler Name: COMPLETE AUTOMOTIVE RECONDITIONING SPECIALIST
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200709
Handler Name: COMPLETE AUTOMOTIVE RECONDITIONING SPECIALIST
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811121
NAICS Description: AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

COMPLETE AUTOMOTIVE RECONDITIONING SPECIALIST (Continued) **1026490808**

Evaluation Action Summary:
Evaluations: No Evaluations Found

D13 **DYNAMIC AUTO IMAGES/BOB SMITH MINI** **RCRA NonGen / NLR** **1024843981**
NE **24400 CALABASAS RD** **CAL000395967**
1/8-1/4 **CALABASAS, CA 91302**
0.173 mi.
911 ft. **Site 3 of 10 in cluster D**

Relative: **Lower**

Actual: **1061 ft.**

RCRA Listings:

Date Form Received by Agency:	20140418
Handler Name:	Dynamic Auto Images/Bob Smith Mini
Handler Address:	24400 Calabasas Rd
Handler City,State,Zip:	CALABASAS, CA 91302
EPA ID:	CAL000395967
Contact Name:	ELISA REYES
Contact Address:	1407 N. BATAVIA ST.
Contact City,State,Zip:	ORANGE, CA 92867
Contact Telephone:	714-771-3400
Contact Fax:	714-464-5458
Contact Email:	ELISA@DYNAMICAUTOIMAGES.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1407 N BATAVIA ST 102
Mailing City,State,Zip:	ORANGE, CA 92867-0000
Owner Name:	Tom Miller
Owner Type:	Other
Operator Name:	Elisa Reyes
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline

DYNAMIC AUTO IMAGES/BOB SMITH MINI (Continued) **1024843981**

202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: ELISA REYES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1407 N. BATAVIA ST.
Owner/Operator City,State,Zip:	ORANGE, CA 92867
Owner/Operator Telephone:	714-771-3400
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: TOM MILLER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1407 N BATAVIA ST., STE. 102
Owner/Operator City,State,Zip:	ORANGE, CA 92867-0000
Owner/Operator Telephone:	714-771-3400
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140418
Handler Name:	DYNAMIC AUTO IMAGES/BOB SMITH MINI
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

DYNAMIC AUTO IMAGES/BOB SMITH MINI (Continued) **1024843981**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D14 **CALABASAS CADILLAC** **RCRA NonGen / NLR** **1027445786**
NE **24400 CALABASAS RD** **CAC003183309**
1/8-1/4 **CALABASAS, CA 91346**
0.173 mi.
911 ft. **Site 4 of 10 in cluster D**

Relative: **Lower**
Actual: **1061 ft.**

RCRA Listings:
Date Form Received by Agency: 20220630
Handler Name: Calabasas Cadillac
Handler Address: 24400 Calabasas Rd
Handler City,State,Zip: CALABASAS, CA 91346
EPA ID: CAC003183309
Contact Name: SEAN MENDEZ
Contact Address: 1699 LA COSTA MEADOWS DRIVE
Contact City,State,Zip: SAN MARCOS, CA 92078
Contact Telephone: 760-533-2056
Contact Fax: Not reported
Contact Email: SEANM@KUNZIKANDSARA.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 24400 CALABASAS RD
Mailing City,State,Zip: CALABASAS, CA 91346
Owner Name: 24400 Calabasas Llc
Owner Type: Other
Operator Name: Sean Mendez
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No

CALABASAS CADILLAC (Continued) **1027445786**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220630
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: SEAN MENDEZ	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1699 LA COSTA MEADOWS DRIVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	760-533-2056
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: 24400 CALABASAS LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24400 CALABASAS RD
Owner/Operator City,State,Zip:	CALABASAS, CA 91346

CALABASAS CADILLAC (Continued) **1027445786**

Owner/Operator Telephone: 760-535-9187
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20220630
Handler Name: CALABASAS CADILLAC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 441110
NAICS Description: NEW CAR DEALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D15 **BOB SMITH MINI** **RCRA NonGen / NLR** **1024841634**
NE **24400 CALABASAS RD** **CAL000391401**
1/8-1/4 **CALABASAS, CA 91302**
0.173 mi.
911 ft. **Site 5 of 10 in cluster D**

Relative: **Lower**
Actual: **1061 ft.**

RCRA Listings:
Date Form Received by Agency: 20131118
Handler Name: Bob Smith Mini
Handler Address: 24400 Calabasas Rd
Handler City,State,Zip: CALABASAS, CA 91302
EPA ID: CAL000391401
Contact Name: GERARD J. MARRA
Contact Address: 24500 CALABASAS RD
Contact City,State,Zip: CALABASAS, CA 91302
Contact Telephone: 818-346-3144
Contact Fax: 818-444-1676
Contact Email: TCALEY@GMAIL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities

BOB SMITH MINI (Continued) **1024841634**

State District Owner:	Not reported
State District:	Not reported
Mailing Address:	24500 CALABASAS RD
Mailing City,State,Zip:	CALABASAS, CA 91302-0000
Owner Name:	Bob Smith Bmw
Owner Type:	Other
Operator Name:	Gerard J. Marra
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: GERARD J. MARRA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24500 CALABASAS RD

BOB SMITH MINI (Continued) **1024841634**

Owner/Operator City,State,Zip: CALABASAS, CA 91302
Owner/Operator Telephone: 818-346-3144
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOB SMITH BMW
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 24500 CALABASAS RD
Owner/Operator City,State,Zip: CALABASAS, CA 91302-0000
Owner/Operator Telephone: 818-346-3144
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20131118
Handler Name: BOB SMITH MINI
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44111
NAICS Description: NEW CAR DEALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D16 **CADILLAC OF CALABASAS** **CERS TANKS** **S129448330**
NE **24400 CALABASAS RD** **N/A**
1/8-1/4 **CALABASAS, CA 91302**
0.173 mi.
911 ft. **Site 6 of 10 in cluster D**

Relative: CERS TANKS:
Lower
Name: CADILLAC OF CALABASAS
Actual: Address: 24400 CALABASAS RD
1061 ft. City,State,Zip: CALABASAS, CA 91302
Site ID: 627684
CERS ID: 10510285
CERS Description: Aboveground Petroleum Storage

CADILLAC OF CALABASAS (Continued) **S129448330**

Violations:

Site ID:	627684
Site Name:	Cadillac of Calabasas
Violation Date:	01-22-2016
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 05/23/2016. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	627684
Site Name:	Cadillac of Calabasas
Violation Date:	01-22-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 01/22/2016. OBSERVATION: The Owner/Operator failed to obtain or no longer has an active hazardous waste generator permit. - Permit issued at the time of inspection. CORRECTIVE ACTION: The Owner/Operator shall immediately apply to receive a new or renewed hazardous waste generator permit and maintain that permit as active as long as the facility is in operation and continues to generate hazardous waste. Every person, business, or business concern within the jurisdiction of the LACoCUPA and subject to the requirements of one or more of the program elements shall be required to pay the applicable annual fees and any applicable late payment penalty and apply for and obtain from the LACoCUPA a unified program facility permit for the program elements applicable to such facility prior to the commencement of any business or activity related to any of the program elements. Upon receipt of full payment from a unified program facility for all the annual fees, including previous unpaid [Truncated]
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	627684
Site Name:	Cadillac of Calabasas
Violation Date:	02-07-2023
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 03/15/2023. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the required due date. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the required due date. Make sure to

CADILLAC OF CALABASAS (Continued) **S129448330**

	mark yes on AST at your business activity section.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	627684
Site Name:	Cadillac of Calabasas
Violation Date:	01-22-2016
Citation:	22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description:	Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes:	Returned to compliance on 04/01/2016. OBSERVATION: Generator failed to properly handle, manage, label, and/or recycle used oil and fuel filters. Observed a 30 gal - used oil filter container opened and unlabeled. CORRECTIVE ACTION: Owner/Operator shall immediatly comply with the Title 22 regulations with regards to the proper handling, management, labeling and recycling of used oil and fuel filters. Verify compliance with the CUPA
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	627684
Site Name:	Cadillac of Calabasas
Violation Date:	02-07-2023
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan.
Violation Notes:	Returned to compliance on 03/15/2023. OBSERVATION: Failure to prepare SPCC. CORRECTIVE ACTION: Prepare your SPCC plan ASAP.
Violation Division:	Los Angeles County Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	627684
Site Name:	Cadillac of Calabasas
Violation Date:	01-22-2016
Citation:	40 CFR 1 265.201(c)(3) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.201(c)(3)
Violation Description:	Failure to conduct daily tank inspection of the discharge systems, monitoring equipment, and tank levels.
Violation Notes:	Returned to compliance on 04/01/2016. OBSERVATION: The Generator failed to conduct daily tank inspection of the discharge systems, monitoring equipment, and tank levels. CORRECTIVE ACTION: Immeditaly begin to conduct daily inspections of the discharge systems, monitoring equipment, and tank levels for all tanks containing hazardous waste. Submit verification of these inspections to the CUPA within 30 days.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	627684
Site Name:	Cadillac of Calabasas
Violation Date:	02-07-2023

CADILLAC OF CALABASAS (Continued) **S129448330**

Citation: HSC 6.67 25270.6(a)(1), 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(1), 25270.6(a)(2)
Violation Description: Failure to submit a tank facility statement on or before January 1 annually unless a current Business Plan has been submitted.
Violation Notes: Returned to compliance on 03/15/2023. OBSERVATION: Failure to submit a Tank Facility Statement or Business Plan. CORRECTIVE ACTION: Submit a Tank Facility Statement or Business Plan.
Violation Division: Los Angeles County Fire Department
Violation Program: APSA
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2023
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: John Pallan, parts manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2023
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: John Pallan, parts manager
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-10-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility submitted their spcc tank statement, now is asking for time extension for compliance
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-15-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-01-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

CADILLAC OF CALABASAS (Continued) **S129448330**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Tom Cowles, Shop Foreman
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2023
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: John Pallan, parts manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Tony Hawkins, service manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Tom Cowles, Shop Foreman
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-15-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Verified facility is no longer at this location, now this location is empty
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2021

CADILLAC OF CALABASAS (Continued) **S129448330**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Tony Hawkins, service manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-07-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-04-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Catherine Hodac, Service director
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-04-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Catherine Hodac, Service director
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Verified facility is no longer at this location, now this location is empty
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 627684
Facility Name: Cadillac of Calabasas
Env Int Type Code: HMBP
Program ID: 10510285
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.150280
Longitude: -118.657930

Affiliation:
Affiliation Type Desc: Document Preparer

CADILLAC OF CALABASAS (Continued) **S129448330**

Entity Name:	KPA, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Doug Blanton
Entity Title:	Not reported
Affiliation Address:	24400 Calabasas Rd
Affiliation City:	Calabasas
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Cadillac of Calabasas Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(818) 953-0150,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Cadillac of Calabasas Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	24400 Calabasas Rd
Affiliation City:	Calabasas
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91302

CADILLAC OF CALABASAS (Continued) **S129448330**

Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Cadillac of Calabasas Inc
Entity Title: Not reported
Affiliation Address: 11555 29ST SE
Affiliation City: Calgary
Affiliation State: AB
Affiliation Country: Canada
Affiliation Zip: 99 T2Z 0
Affiliation Phone: (818) 953-0150,

D17 **CADILLAC OF CALABASAS** **RCRA NonGen / NLR** **1027468641**
NE **24400 CALABASAS RD** **CAL000473036**
1/8-1/4 **CALABASAS, CA 91302**
0.173 mi.
911 ft. **Site 7 of 10 in cluster D**

Relative: **Lower**

Actual: **1061 ft.**

RCRA Listings:

Date Form Received by Agency:	20220901
Handler Name:	Cadillac Of Calabasas
Handler Address:	24400 Calabasas Rd
Handler City,State,Zip:	CALABASAS, CA 91302
EPA ID:	CAL000473036
Contact Name:	DOUG BLANTON
Contact Address:	24400 CALABASAS RD
Contact City,State,Zip:	CALABASAS, CA 91302
Contact Telephone:	805-732-1405
Contact Fax:	818-953-0157
Contact Email:	DOUG@CADILLACOFCALABASAS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	24400 CALABASAS RD
Mailing City,State,Zip:	CALABASAS, CA 91302
Owner Name:	Cadillac Of Calabasas Inc
Owner Type:	Other
Operator Name:	Doug Blanton
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No

CADILLAC OF CALABASAS (Continued) **1027468641**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220902
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: DOUG BLANTON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24400 CALABASAS RD
Owner/Operator City,State,Zip:	CALABASAS, CA 91302
Owner/Operator Telephone:	805-732-1405
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CADILLAC OF CALABASAS INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11555 29ST SE
Owner/Operator City,State,Zip:	CALGARY T2Z 0N4
Owner/Operator Telephone:	8189530150
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CADILLAC OF CALABASAS (Continued) **1027468641**

Historic Generators:
- Receive Date: 20220901
- Handler Name: CADILLAC OF CALABASAS
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: No
- Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
- NAICS Code: 441110
- NAICS Description: NEW CAR DEALERS

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

D18 **CADILLAC OF CALABASAS** **CERS HAZ WASTE** **S129011620**
NE **24400 CALABASAS RD** **CERS** **N/A**
1/8-1/4 **CALABASAS, CA 91302**
0.173 mi.
911 ft. **Site 8 of 10 in cluster D**

Relative: **Lower**

Actual: **1061 ft.**

CERS HAZ WASTE:
- Name: CADILLAC OF CALABASAS
- Address: 24400 CALABASAS RD
- City,State,Zip: CALABASAS, CA 91302
- Site ID: 627684
- CERS ID: 10510285
- CERS Description: Hazardous Waste Generator

CERS:
- Name: CADILLAC OF CALABASAS
- Address: 24400 CALABASAS RD
- City,State,Zip: CALABASAS, CA 91302
- Site ID: 627684
- CERS ID: 10510285
- CERS Description: Chemical Storage Facilities

Violations:
- Site ID: 627684
- Site Name: Cadillac of Calabasas
- Violation Date: 01-22-2016
- Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
- Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
- Violation Notes: Returned to compliance on 05/23/2016. OBSERVATION: The facility has

CADILLAC OF CALABASAS (Continued) **S129011620**

not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 627684
Site Name: Cadillac of Calabasas
Violation Date: 01-22-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 01/22/2016. OBSERVATION: The Owner/Operator failed to obtain or no longer has an active hazardous waste generator permit. - Permit issued at the time of inspection. CORRECTIVE ACTION: The Owner/Operator shall immediately apply to receive a new or renewed hazardous waste generator permit and maintain that permit as active as long as the facility is in operation and continues to generate hazardous waste. Every person, business, or business concern within the jurisdiction of the LACoCUPA and subject to the requirements of one or more of the program elements shall be required to pay the applicable annual fees and any applicable late payment penalty and apply for and obtain from the LACoCUPA a unified program facility permit for the program elements applicable to such facility prior to the commencement of any business or activity related to any of the program elements. Upon receipt of full payment from a unified program facility for all the annual fees, including previous unpaid [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 627684
Site Name: Cadillac of Calabasas
Violation Date: 02-07-2023
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 03/15/2023. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the required due date. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the required due date. Make sure to mark yes on AST at your business activity section.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 627684
Site Name: Cadillac of Calabasas
Violation Date: 01-22-2016
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22,

CADILLAC OF CALABASAS (Continued) **S129011620**

	Chapter 16, Section(s) 66266.130
Violation Description:	Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes:	Returned to compliance on 04/01/2016. OBSERVATION: Generator failed to properly handle, manage, label, and/or recycle used oil and fuel filters. Observed a 30 gal - used oil filter container opened and unlabeled. CORRECTIVE ACTION: Owner/Operator shall immediatly comply with the Title 22 regulations with regards to the proper handling, management, labeling and recycling of used oil and fuel filters. Verify compliance with the CUPA
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	627684
Site Name:	Cadillac of Calabasas
Violation Date:	02-07-2023
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan.
Violation Notes:	Returned to compliance on 03/15/2023. OBSERVATION: Failure to prepare SPCC. CORRECTIVE ACTION: Prepare your SPCC plan ASAP.
Violation Division:	Los Angeles County Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	627684
Site Name:	Cadillac of Calabasas
Violation Date:	01-22-2016
Citation:	40 CFR 1 265.201(c)(3) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.201(c)(3)
Violation Description:	Failure to conduct daily tank inspection of the discharge systems, monitoring equipment, and tank levels.
Violation Notes:	Returned to compliance on 04/01/2016. OBSERVATION: The Generator failed to conduct daily tank inspection of the discharge systems, monitoring equipment, and tank levels. CORRECTIVE ACTION: Immeditaly begin to conduct daily inspections of the discharge systems, monitoring equipment, and tank levels for all tanks containing hazardous waste. Submit verification of these inspections to the CUPA within 30 days.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	627684
Site Name:	Cadillac of Calabasas
Violation Date:	02-07-2023
Citation:	HSC 6.67 25270.6(a)(1), 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(1), 25270.6(a)(2)
Violation Description:	Failure to submit a tank facility statement on or before January 1 annually unless a current Business Plan has been submitted.
Violation Notes:	Returned to compliance on 03/15/2023. OBSERVATION: Failure to submit a Tank Facility Statement or Business Plan. CORRECTIVE ACTION: Submit a Tank Facility Statement or Business Plan.
Violation Division:	Los Angeles County Fire Department
Violation Program:	APSA

CADILLAC OF CALABASAS (Continued) **S129011620**

Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2023
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: John Pallan, parts manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2023
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: John Pallan, parts manager
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-10-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility submitted their spcc tank statement, now is asking for time extension for compliance
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-15-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-01-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Tom Cowles, Shop Foreman
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

CADILLAC OF CALABASAS (Continued) **S129011620**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2023
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: John Pallan, parts manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Tony Hawkins, service manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Tom Cowles, Shop Foreman
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-15-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Verified facility is no longer at this location, now this location is empty
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Tony Hawkins, service manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-07-2016

CADILLAC OF CALABASAS (Continued) **S129011620**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-04-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Catherine Hodac, Service director
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-04-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Catherine Hodac, Service director
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Verified facility is no longer at this location, now this location is empty
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 627684
Facility Name: Cadillac of Calabasas
Env Int Type Code: HMBP
Program ID: 10510285
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.150280
Longitude: -118.657930

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: KPA, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

CADILLAC OF CALABASAS (Continued) **S129011620**

Affiliation Type Desc:	Environmental Contact
Entity Name:	Doug Blanton
Entity Title:	Not reported
Affiliation Address:	24400 Calabasas Rd
Affiliation City:	Calabasas
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Cadillac of Calabasas Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(818) 953-0150,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Cadillac of Calabasas Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	24400 Calabasas Rd
Affiliation City:	Calabasas
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91302
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Cadillac of Calabasas Inc
Entity Title:	Not reported
Affiliation Address:	11555 29ST SE
Affiliation City:	Calgary
Affiliation State:	AB
Affiliation Country:	Canada

CADILLAC OF CALABASAS (Continued) **S129011620**

Affiliation Zip: 99 T2Z 0
Affiliation Phone: (818) 953-0150,

E19 **CALABASAS GOLF & COUNTRY** **LUST** **S105022974**
South **4515 PARK ENTRADA** **HIST CORTESE** **N/A**
1/8-1/4 **CALABASAS PARK, CA 91302** **CERS**
0.173 mi.
911 ft. **Site 1 of 7 in cluster E**

Relative: **Higher**
Actual: **1198 ft.**

LUST:
Name: CALABASAS GOLF & COUNRTY CLUB
Address: 4515 PARK ENTRADA
City,State,Zip: MONTE NIDO, CA 91302
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702770
Global Id: T0603702770
Latitude: 34.1441767
Longitude: -118.6569134
Status: Completed - Case Closed
Status Date: 09/11/1996
Case Worker: YR
RB Case Number: I-01261
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
EPA Region: 9
Coordinate Source: * Historical Geocode - Exact Address Match
Cuf Case: NO
Quantity Released Gallons: Not reported
Begin Date: 05/22/1989
Leak Reported Date: 05/22/1989
How Discovered: Tank Closure
How Discovered Description: Not reported
Discharge Source: Not reported
Discharge Cause: Not reported
Stop Method: Not reported
Stop Description: Not reported
No Further Action Date: 09/11/1996
CA Water Watershed Name: Los Angeles River - San Fernando - Bull Canyon (412.21)
Dwr Groundwater Subbasin Name: Not reported
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 41-45%
CA Enviroscreen 4 Score: 45-50%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: LOS ANGELES RWQCB (REGION 4)
Site History: Not reported

LUST:
Global Id: T0603702770
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE

CALABASAS GOLF & COUNTRY (Continued) **S105022974**

City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603702770
Contact Type: Regional Board Caseworker - Primary Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603702770
Action Type: Other
Date: 05/22/1989
Action: Leak Reported

Global Id: T0603702770
Action Type: ENFORCEMENT
Date: 09/11/1996
Action: Closure/No Further Action Letter

LUST:
Global Id: T0603702770
Status: Open - Case Begin Date
Status Date: 05/22/1989

Global Id: T0603702770
Status: Open - Site Assessment
Status Date: 06/08/1989

Global Id: T0603702770
Status: Completed - Case Closed
Status Date: 09/11/1996

Name: CALABASAS GOLF & COUNTRY CLUB
Address: 4515 PARK ENTRADA
City,State,Zip: CALABASAS, CA 91302
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603789938
Global Id: T0603789938
Latitude: 34.14438
Longitude: -118.658604
Status: Completed - Case Closed
Status Date: 03/26/2014
Case Worker: DPP
RB Case Number: I-01261A
Local Agency: LOS ANGELES COUNTY
File Location: Regional Board
Local Case Number: CLUP# 510285
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: MTBE / TBA / Other Fuel Oxygenates, Gasoline, Diesel

CALABASAS GOLF & COUNTRY (Continued) **S105022974**

EPA Region:	9
Coordinate Source:	Manual Entry on Screens
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	06/10/2004
Leak Reported Date:	11/23/2004
How Discovered:	Tank Closure
How Discovered Description:	Not reported
Discharge Source:	Other
Discharge Cause:	Unknown
Stop Method:	Close and Remove Tank
Stop Description:	Not reported
No Further Action Date:	03/26/2014
CA Water Watershed Name:	Los Angeles River - San Fernando - Bull Canyon (412.21)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	41-45%
CA Enviroscreen 4 Score:	45-50%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	Not reported

LUST:

Global Id:	T0603789938
Contact Type:	Regional Board Caseworker - Primary Caseworker
Contact Name:	DANIEL PIROTTON
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	Not reported
City:	R4 UNKNOWN
Email:	dpirotton@waterboards.ca.gov
Phone Number:	2135766714

Global Id:	T0603789938
Contact Type:	Local Agency Caseworker
Contact Name:	TIM SMITH
Organization Name:	LOS ANGELES COUNTY
Address:	900 S. FREMONT AVE.
City:	ALHAMBRA
Email:	tsmith@dpw.lacounty.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603789938
Action Type:	RESPONSE
Date:	03/30/2007
Action:	Unknown

Global Id:	T0603789938
Action Type:	ENFORCEMENT
Date:	02/21/2007
Action:	Staff Letter

Global Id:	T0603789938
Action Type:	ENFORCEMENT
Date:	01/13/2014
Action:	Notification - Preclosure

CALABASAS GOLF & COUNTRY (Continued) **S105022974**

Global Id: T0603789938
Action Type: Other
Date: 11/23/2004
Action: Leak Reported

Global Id: T0603789938
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Notice to Comply

Global Id: T0603789938
Action Type: RESPONSE
Date: 02/28/2013
Action: Tank Removal Report / UST Sampling Report

Global Id: T0603789938
Action Type: RESPONSE
Date: 02/28/2013
Action: Site Assessment Report

Global Id: T0603789938
Action Type: RESPONSE
Date: 12/01/2013
Action: Soil and Water Investigation Report

Global Id: T0603789938
Action Type: Other
Date: 06/10/2004
Action: Leak Discovery

Global Id: T0603789938
Action Type: REMEDIATION
Date: 07/01/2004
Action: Excavation

Global Id: T0603789938
Action Type: ENFORCEMENT
Date: 09/04/2013
Action: Staff Letter

Global Id: T0603789938
Action Type: ENFORCEMENT
Date: 03/26/2014
Action: Closure/No Further Action Letter

Global Id: T0603789938
Action Type: RESPONSE
Date: 03/30/2007
Action: Other Report / Document

Global Id: T0603789938
Action Type: RESPONSE
Date: 06/28/2013
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603789938
Action Type: RESPONSE

CALABASAS GOLF & COUNTRY (Continued) **S105022974**

Date: 12/02/2013
Action: Request for Closure - Regulator Responded

LUST:
Global Id: T0603789938
Status: Open - Case Begin Date
Status Date: 06/10/2004

Global Id: T0603789938
Status: Open - Site Assessment
Status Date: 01/23/2007

Global Id: T0603789938
Status: Completed - Case Closed
Status Date: 03/26/2014

HIST CORTESE:
edr_fname: CALABASAS GOLF & COUNTRY
edr_fadd1: 4515 PARK ENTRADA
City,State,Zip: CALABASAS PARK, CA 91302
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-01261

CERS:
Name: CALABASAS GOLF & COUNRTY CLUB
Address: 4515 PARK ENTRADA
City,State,Zip: MONTE NIDO, CA 91302
Site ID: 716529
CERS ID: T0603702770
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

CALABASAS GOLF & COUNTRY (Continued) **S105022974**

Name: CALABASAS GOLF & COUNTRY CLUB
Address: 4515 PARK ENTRADA
City,State,Zip: CALABASAS, CA 91302
Site ID: 716530
CERS ID: T0603789938
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: DANIEL PIROTTON - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: R4 UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766714,

Affiliation Type Desc: Local Agency Caseworker
Entity Name: TIM SMITH - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S. FREMONT AVE.
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

E20 **CALABASAS GOLF & COUNTRY CLUB** **UST FINDER RELEASE** **1028929548**
South **4515 PARK ENTRADA** **N/A**
1/8-1/4 **CALABASAS, CA 91302**
0.173 mi.
911 ft. **Site 2 of 7 in cluster E**

Relative: **Higher**
Actual: **1198 ft.**

UST FINDER RELEASE:
Object ID: 58821
Facility ID: Not reported
Lust ID: CAT0603789938
Name: CALABASAS GOLF & COUNTRY CLUB
Address: 4515 PARK ENTRADA
City,State,Zip: CALABASAS, CA 91302
Address Match Type: StreetAddress
Reported Date: Not reported
Status: No Further Action
Substance: Not reported
Population within 1500ft: 319
Domestic Wells within 1500ft: 0
Land Use: Developed, Open Space
Within SPA: No
SPA PWS Facility ID: Not reported
SPA Water Type: Not reported
SPA Facility Type: Not reported
SPA HUC12: Not reported
Within WHPA: No
WHPA PWS Facility ID: Not reported
WHPA Water Type: Not reported
WHPA Facility Type: Not reported

CALABASAS GOLF & COUNTRY CLUB (Continued) **1028929548**

WHPA HUC12:	Not reported
Within 100yr Floodplain:	No
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-118.65892
Y Coord:	34.1448300000001
Latitude:	34.1448299999999
Longitude:	-118.658919999999

E21 **BRIGHTVIEW GOLF MAINT AT CALABASAS COUNTRY CLUB** **RCRA NonGen / NLR** **1024835223**
South **4515 PARK ENTRADA** **CAL000376960**
1/8-1/4 **CALABASAS, CA 91302**
0.173 mi.
911 ft. **Site 3 of 7 in cluster E**

Relative: **Higher**

Actual: **1198 ft.**

RCRA Listings:

Date Form Received by Agency:	20120803
Handler Name:	Brightview Golf Maint At Calabasas Country Club
Handler Address:	4515 Park Entrada
Handler City,State,Zip:	CALABASAS, CA 91302
EPA ID:	CAL000376960
Contact Name:	BARBARA JIMENEZ
Contact Address:	24151 VENTURA BLVD.
Contact City,State,Zip:	CALABASAS, CA 91302
Contact Telephone:	818-737-2735
Contact Fax:	818-225-2336
Contact Email:	BARBARA.JIMENEZ@BRIGHTVIEW.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	24151 VENTURA BLVD
Mailing City,State,Zip:	CALABASAS, CA 91302-0000
Owner Name:	Brightview Golf Maintenance, Inc.
Owner Type:	Other
Operator Name:	Barbara Jimenez
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No

BRIGHTVIEW GOLF MAINT AT CALABASAS COUNTRY CLUB (Continued) **1024835223**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: BRIGHTVIEW GOLF MAINTENANCE, INC.	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24151 VENTURA BLVD.
Owner/Operator City,State,Zip:	CALABASAS, CA 91302-0000
Owner/Operator Telephone:	818-737-2735
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: BARBARA JIMENEZ	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24151 VENTURA BLVD.
Owner/Operator City,State,Zip:	CALABASAS, CA 91302
Owner/Operator Telephone:	818-737-2735
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

BRIGHTVIEW GOLF MAINT AT CALABASAS COUNTRY CLUB (Continued) **1024835223**

Historic Generators:
Receive Date: 20120803
Handler Name: BRIGHTVIEW GOLF MAINT AT CALABASAS COUNTRY CLUB
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56173
NAICS Description: LANDSCAPING SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E22 **CALABASAS COUNTRY CLUB** **CERS HAZ WASTE** **S123501978**
South **4515 PARK ENTRADA** **CERS TANKS** **N/A**
1/8-1/4 **CALABASAS, CA 91302** **CERS**
0.173 mi.
911 ft. **Site 4 of 7 in cluster E**

Relative:
Higher

Actual:
1198 ft.

CERS HAZ WASTE:
Name: CALABASAS COUNTRY CLUB
Address: 4515 PARK ENTRADA
City,State,Zip: CALABASAS, CA 91302
Site ID: 14993
CERS ID: 10275697
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: CALABASAS COUNTRY CLUB
Address: 4515 PARK ENTRADA
City,State,Zip: CALABASAS, CA 91302
Site ID: 14993
CERS ID: 10275697
CERS Description: Aboveground Petroleum Storage

CERS:
Name: CALABASAS COUNTRY CLUB
Address: 4515 PARK ENTRADA
City,State,Zip: CALABASAS, CA 91302
Site ID: 14993
CERS ID: 10275697
CERS Description: Chemical Storage Facilities

CALABASAS COUNTRY CLUB (Continued) **S123501978**

Violations:

Site ID:	14993
Site Name:	CALABASAS COUNTRY CLUB
Violation Date:	02-09-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 03/09/2017. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	14993
Site Name:	CALABASAS COUNTRY CLUB
Violation Date:	10-25-2019
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan.
Violation Notes:	Returned to compliance on 01/06/2020. OBSERVATION: Failure to prepare SPCC. CORRECTIVE ACTION: Prepare SPCC.
Violation Division:	Los Angeles County Fire Department
Violation Program:	APSA
Violation Source:	CERS,

Site ID:	14993
Site Name:	CALABASAS COUNTRY CLUB
Violation Date:	02-09-2017
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 03/09/2017. OBSERVATION: The business plan has not been updated and submitted to this department within 30 days of change of emergency and CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	14993
Site Name:	CALABASAS COUNTRY CLUB
Violation Date:	10-25-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

CALABASAS COUNTRY CLUB (Continued) **S123501978**

Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 01/06/2020. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 14993
Site Name: CALABASAS COUNTRY CLUB
Violation Date: 02-09-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 03/09/2017. OBSERVATION: An Emergency Response Plan and procedures has not been completed and submitted electronically to the CUPA. CORRECTIVE ACTION: Complete the emergency response plan and procedures to include all required content and submit electronically in the California Environmental Reporting System (CERS).
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Alex Muro, Mechanic
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-24-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Kyle McClintick, Superintendent
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-03-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Zachary Alkire, golf course superintendant

CALABASAS COUNTRY CLUB (Continued) **S123501978**

Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-06-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Alex Muro, Mechanic
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-09-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Follow up review conducted with Alex Muro over the telephone
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-03-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Zachary Alkire, golf course superintendant
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-06-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-03-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Zachary Alkire, golf course superintendant
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

CALABASAS COUNTRY CLUB (Continued) **S123501978**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-24-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Kyle McClintick, Superintendent
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-24-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Kyle McClintick, Superintendent
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 14993
Facility Name: CALABASAS COUNTRY CLUB
Env Int Type Code: HWG
Program ID: 10275697
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.144870
Longitude: -118.658910

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Greg Elowe
Entity Title: Not reported
Affiliation Address: 4300 Park Entrada
Affiliation City: Calabasas
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91302
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 4515 PARK ENTRADA
Affiliation City: CALABASAS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91302
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Chris Weaver
Entity Title: Golf Course Superintendent
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

CALABASAS COUNTRY CLUB (Continued) **S123501978**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000,

Affiliation Type Desc: Document Preparer
Entity Name: Chris Weaver
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: CALABASAS COUNTRY CLUB
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: KNIGHT CALABASAS, LLC
Entity Title: Not reported
Affiliation Address: 4515 PARK ENTRADA
Affiliation City: CALABASAS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91302
Affiliation Phone: (818) 222-8111,

Affiliation Type Desc: Operator
Entity Name: Greg Elowe
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (818) 222-8111,

E23 **CALABASAS GOLF & COUNRTY CLUB** **LUST** **S102426093**
South **4515 PARK ENTRADA** **Cortese** **N/A**
1/8-1/4 **MONTE NIDO, CA 91302**
0.173 mi.
911 ft. **Site 5 of 7 in cluster E**

Relative:
Higher

Actual:
1198 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-01261	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603702770	
W Global ID:	W0606501096	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		5/22/1989
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		11/26/1996
Date the Case was Closed:		9/11/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	HABONIM CAMP GILBOA	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		18595.089537940536359896722017
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		6/8/1989
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CALABASAS GOLF & COUNTRY CLUB	
RP Address:	4515 PARK ENTRADA, CALABASAS, CA 91302	
Program:	LUST	
Lat/Long:	34.1441767 / -1	
Local Agency Staff:	Not reported	

CALABASAS GOLF & COUNRTY CLUB (Continued) **S102426093**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 3301096-001GEN
Summary: Not reported

CORTESE:
Name: CALABASAS GOLF & COUNRTY CLUB
Address: 4515 PARK ENTRADA
City,State,Zip: MONTE NIDO, CA 91302
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603702770
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

E24 **CALABASAS GOLF & COUNRTY CLUB** **UST FINDER RELEASE** **1028929547**
South **4515 PARK ENTRADA** **N/A**
1/8-1/4 **MONTE NIDO, CA 91302**
0.173 mi.
911 ft. **Site 6 of 7 in cluster E**

Relative: **Higher**
Actual: **1198 ft.**

UST FINDER RELEASE:
Object ID: 58822
Facility ID: Not reported
Lust ID: CAT0603702770
Name: CALABASAS GOLF & COUNRTY CLUB
Address: 4515 PARK ENTRADA
City,State,Zip: MONTE NIDO, CA 91302
Address Match Type: StreetAddress
Reported Date: Not reported
Status: No Further Action
Substance: Not reported
Population within 1500ft: 319
Domestic Wells within 1500ft: 0
Land Use: Developed, Open Space
Within SPA: No
SPA PWS Facility ID: Not reported
SPA Water Type: Not reported
SPA Facility Type: Not reported

CALABASAS GOLF & COUNRTY CLUB (Continued) **1028929547**

SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	No
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-118.65892
Y Coord:	34.1448300000001
Latitude:	34.1448299999999
Longitude:	-118.658919999999

E25 **CALABASAS GOLF & COUNTRY CLUB** **UST** **U003938584**
South **4515 PARK ENTRADA** **SWEEPS UST** **N/A**
1/8-1/4 **CALABASAS, CA 91302** **Cortese**
0.173 mi.
911 ft. **Site 7 of 7 in cluster E**

Relative: UST:
Higher

Actual: Name:	CALABASAS GOLF & COUNTRY CLUB
1198 ft. Address:	4515 PARK ENTRADA
City,State,Zip:	CALABASAS, CA 91302
Facility ID:	1261
Permitting Agency:	LOS ANGELES COUNTY
CERSID:	Not reported
Latitude:	34.14475
Longitude:	-118.65759
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported

CALABASAS GOLF & COUNTRY CLUB (Continued) **U003938584**

Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

SWEEPS UST:

Name:	CALABASAS GOLF & COUNTRY CLUB
Address:	4515 PARK ENTRADA
City:	CALABASAS
Status:	Active
Comp Number:	1261
Number:	9
Board Of Equalization:	44-007539
Referral Date:	03-15-91
Action Date:	03-15-91
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-001261-000001
Tank Status:	A
Capacity:	3000
Active Date:	01-08-93
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	1

CORTESE:

Name:	CALABASAS GOLF & COUNTRY CLUB
Address:	4515 PARK ENTRADA
City,State,Zip:	CALABASAS, CA 91302
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603789938
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported

CALABASAS GOLF & COUNTRY CLUB (Continued) **U003938584**

WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

F26 **LOS ANGELES CO CALABASAS LDF #5** **SEMS-ARCHIVE** **1000102022**
West **26919 W VENTURA BLVD** **RCRA NonGen / NLR** **CAT000624023**
1/8-1/4 **AGOURA, CA 91301** **FINDS**
0.195 mi. **ECHO**
1032 ft. **Site 1 of 3 in cluster F**

Relative:
Higher

Actual:
1184 ft.

SEMS Archive:
Site ID: 0902648
EPA ID: CAT000624023
Name: LOS ANGELES CO CALABASAS LDFL #5
Address: 26919 W VENTURA BLVD
Address 2: Not reported
City,State,Zip: AGOURA, CA 91301
Cong District: 20
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0902648
EPA ID: CAT000624023
Site Name: LOS ANGELES CO CALABASAS LDFL #5
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1984-10-01 05:00:00
Finish Date: 1985-02-01 06:00:00
Qual: L
Current Action Lead: St Perf

Region: 09
Site ID: 0902648
EPA ID: CAT000624023
Site Name: LOS ANGELES CO CALABASAS LDFL #5
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1979-11-01 05:00:00
Finish Date: 1979-11-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902648
EPA ID: CAT000624023

LOS ANGELES CO CALABASAS LDF #5 (Continued) **1000102022**

Site Name:	LOS ANGELES CO CALABASAS LDFL #5
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	Not reported
Finish Date:	1988-07-01 04:00:00
Qual:	H
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902648
EPA ID:	CAT000624023
Site Name:	LOS ANGELES CO CALABASAS LDFL #5
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	2
Start Date:	Not reported
Finish Date:	1992-01-23 05:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902648
EPA ID:	CAT000624023
Site Name:	LOS ANGELES CO CALABASAS LDFL #5
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1992-01-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

RCRA Listings:

Date Form Received by Agency:	19800818
Handler Name:	Los Angeles Co Calabasas Ldf #5
Handler Address:	26919 W Ventura Blvd
Handler City,State,Zip:	AGOURA, CA 91301
EPA ID:	CAT000624023
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	26919 W VENTURA BLVD
Contact City,State,Zip:	AGOURA, CA 91301
Contact Telephone:	213-699-7411
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09

LOS ANGELES CO CALABASAS LDF #5 (Continued) **1000102022**

Land Type:	Other
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Ca
State District:	3
Mailing Address:	POST OFFICE BOX FOURTH THOUSAN
Mailing City,State,Zip:	WHITTIER, CA 90607
Owner Name:	County Of Los Angeles
Owner Type:	Private
Operator Name:	Not Required
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

LOS ANGELES CO CALABASAS LDF #5 (Continued) **1000102022**

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: COUNTY OF LOS ANGELES
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19800818
Handler Name: LOS ANGELES CO CALABASAS LDF #5
Federal Waste Generator Description: Not a generator, verified
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002944379

Click Here for FRS Facility Detail Report:

LOS ANGELES CO CALABASAS LDF #5 (Continued) **1000102022**

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000102022
Registry ID:	110002944379
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002944379
Name:	LOS ANGELES CO CALABASAS LDF #5
Address:	26919 W VENTURA BLVD
City,State,Zip:	AGOURA, CA 91301

F27 **CRIMSON PIPELINE LLC - CALABASAS PUMP STATION** **RCRA-SQG** **1025882111**
WNW **24707 CALABASAS RD** **CAP000277384**
1/8-1/4 **CALABASAS, CA 91302**
0.198 mi.
1047 ft. **Site 2 of 3 in cluster F**

Relative: **Lower**
Actual: **1117 ft.**

RCRA Listings:

Date Form Received by Agency:	20171024
Handler Name:	Crimson Pipeline Llc - Calabasas Pump Station
Handler Address:	Calabasas Rd
Handler City,State,Zip:	CALABASAS, CA 91302
EPA ID:	CAP000277384
Contact Name:	CRIMSON ENVIRONMENTAL
Contact Address:	KILROY AIRPORT WAY STE 300
Contact City,State,Zip:	LONG BEACH, CA 90806
Contact Telephone:	562-285-4113
Contact Fax:	562-285-4141
Contact Email:	ENVIRONMENTAL@CRIMSONPL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	KILROY AIRPORT WAY STE 300
Mailing City,State,Zip:	LONG BEACH, CA 90806
Owner Name:	Crimson Pipeline Llc
Owner Type:	Private
Operator Name:	Crimson Pipeline Llc
Operator Type:	Private
Short-Term Generator Activity:	Yes
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No

CRIMSON PIPELINE LLC - CALABASAS PUMP STATION (Continued) **1025882111**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20171108
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D006
Waste Description:	Cadmium

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CRIMSON PIPELINE LLC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3760 KILROY AIRPORT WAY STE 300
Owner/Operator City,State,Zip:	LONG BEACH, CA 90806
Owner/Operator Telephone:	562-285-4100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	562-285-4141
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: CRIMSON PIPELINE LLC	

CRIMSON PIPELINE LLC - CALABASAS PUMP STATION (Continued) **1025882111**

Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3760 KILROY AIRPORT WAY STE 300
Owner/Operator City,State,Zip:	LONG BEACH, CA 90806
Owner/Operator Telephone:	562-285-4100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	562-285-4141
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20171024
Handler Name:	CRIMSON PIPELINE LLC - CALABASAS PUMP STATION
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	486110
NAICS Description:	PIPELINE TRANSPORTATION OF CRUDE OIL

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

F28 **CRIMSON PIPELINE, L.P. - CALABASAS STATION** **RCRA-SQG** **1026829902**
WNW **24707 CALABASAS RD** **CAR000322495**
1/8-1/4 **CALABASAS, CA 91302**
0.198 mi.
1047 ft. **Site 3 of 3 in cluster F**

Relative:
Lower

Actual:
1117 ft.

RCRA Listings:

Date Form Received by Agency:	20210413
Handler Name:	Crimson Pipeline, L.P. - Calabasas Station
Handler Address:	Calabasas Rd
Handler City,State,Zip:	CALABASAS, CA 91302
EPA ID:	CAR000322495
Contact Name:	CRIMSON ENVIRONMENTAL
Contact Address:	KILROY AIRPORT WAY
Contact City,State,Zip:	LONG BEACH, CA 90806
Contact Telephone:	562-285-4040
Contact Fax:	Not reported
Contact Email:	ENVIRONMENTAL@CRIMSONPL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private

CRIMSON PIPELINE, L.P. - CALABASAS STATION (Continued) **1026829902**

Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	KILROY AIRPORT WAY
Mailing City,State,Zip:	LONG BEACH, CA 90806
Owner Name:	Crimson Pipeline, Llc
Owner Type:	Private
Operator Name:	Crimson Pipeline, L.P.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210413
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:
Waste Code: D018

CRIMSON PIPELINE, L.P. - CALABASAS STATION (Continued) **1026829902**

Waste Description: Benzene

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CRIMSON PIPELINE, LLC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3760 KILROY AIRPORT WAY
Owner/Operator City,State,Zip: LONG BEACH, CA 90806
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CRIMSON PIPELINE, L.P.
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3760 KILROY AIRPORT WAY
Owner/Operator City,State,Zip: LONG BEACH, CA 90806
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210413
Handler Name: CRIMSON PIPELINE, L.P. - CALABASAS STATION
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 48611
NAICS Description: PIPELINE TRANSPORTATION OF CRUDE OIL

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D29
NE
1/8-1/4
0.222 mi.
1174 ft.

CALABASAS PUMP STATION
24300 CALABASAS RD
CALABASAS, CA 92803

Site 9 of 10 in cluster D

HIST UST **U001578634**
N/A

Relative:
Lower

Actual:
1048 ft.

HIST UST:

Name:	CALABASAS PUMP STATION
Address:	24300 CALABASAS RD
City,State,Zip:	CALABASAS, CA 92803
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000067363
Facility Type:	Other
Other Type:	PIPELINE PUMP STATIO
Contact Name:	W. L. HULL
Telephone:	8055261044
Owner Name:	SHELL OIL COMPANY
Owner Address:	511 NO. BROODHURST STREET
Owner City,St,Zip:	ANAHEIM, CA 92803
Total Tanks:	0001
Tank Num:	001
Container Num:	CALABASAS1
Year Installed:	Not reported
Tank Capacity:	00001692
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	X
Leak Detection:	Visual

D30
NE
1/8-1/4
0.222 mi.
1174 ft.

SHELL OIL COMPANY
24300 W CALABASAS RD
CALABASAS, CA 91302

Site 10 of 10 in cluster D

SWEEPS UST **S102064284**
HIST UST **N/A**
LOS ANGELES CO. HMS

Relative:
Lower

Actual:
1048 ft.

SWEEPS UST:

Name:	SHELL OIL COMPANY
Address:	24300 W CALABASAS RD
City:	CALABASAS
Status:	Active
Comp Number:	13163
Number:	9
Board Of Equalization:	Not reported
Referral Date:	03-14-91
Action Date:	03-14-91
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

SHELL OIL COMPANY (Continued) **S102064284**

HIST UST:

Name:	CALABASAS PUMP STATION
Address:	24300 CALABASAS ROAD
City,State,Zip:	CALABASAS, CA 92803
File Number:	000285fd
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/000285fd.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

LOS ANGELES CO. HMS:

Name:	SHELL OIL #204-
Address:	24300 CALABASAS RD
City,State,Zip:	CALABASAS, CA 91302
Region:	LA
Permit Category:	Not reported
Facility Id:	012922-013163
Facility Type:	Not reported
Facility Status:	Removed
Area:	5K
Permit Number:	Not reported
Permit Status:	Not reported

31
WNW
1/8-1/4
0.239 mi.
1263 ft.

DANDEE GASOLINE TANKER SPILL **CPS-SLIC** **S106483679**
101 FWY **N/A**
CALABASAS, CA 91302

Relative:
Lower

Actual:
1112 ft.

CPS-SLIC:

Name:	DANDEE GASOLINE TANKER SPILL
Address:	101 FWY
City,State,Zip:	CALABASAS, CA 91302
Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	10/01/2015
Global Id:	SL0611106052
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported

DANDEE GASOLINE TANKER SPILL (Continued) **S106483679**

Latitude:	34.1497082
Longitude:	-118.66466
Case Type:	Cleanup Program Site
Case Worker:	JB
Local Agency:	Not reported
RB Case Number:	1089
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern:	Benzene, Gasoline, MTBE / TBA / Other Fuel Oxygenates
EPA Region:	9
Coordinate Source:	Manual Entry on Screens
Cuf Case:	NO
Quantity Released Gallons:	8500
Begin Date:	04/01/2002
Leak Reported Date:	03/27/2002
How Discovered:	Other Means
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	Not reported
CA Water Watershed Name:	Los Angeles River - San Fernando - Bull Canyon (412.21)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	41-45%
CA Enviroscreen 4 Score:	45-50%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	On March 27, 2002, about 8,500 gallons of gasoline was lost in the drainage channel from an overturned tanker along the north side of State Highway 101 about one-half mile east of Brents Junction in Calabasas, California. Site assessments conducted in 2002 indicated that subsurface soil and groundwater at the Site have been impacted with petroleum hydrocarbons. Depth to groundwater was encountered at approximately 11 feet below ground surface. Groundwater samples collected on May 29, 2002 indicate total petroleum hydrocarbons as gasoline (TPH-g) up to 3,600,000 micrograms per liter (g/L), methyl tert butyl ether (MTBE) up to 1,600,000 g/L, benzene up to 23,000 g/L, toluene up to 71,000 g/L, total xylenes up to 58,000 g/L, and ethyl benzene up to 11,000 g/L. The soil samples collected following soil excavation in August 2002 indicate concentrations of TPH-g up to 41,000 milligrams per kilogram (mg/kg), MTBE up to 133 mg/kg, tert-butyl-alcohol (TBA) up to 6.76 mg/kg, benzene up to 1.58 mg/kg, toluene up to 69.4 mg/kg, M,P-xylenes up to 175 mg/kg, ethyl benzene up to 60.1 mg/kg, and O-xylenes up to 140 mg/kg. It is understood that 350 cubic yards of soil was removed from the Site during the excavation, however, the full extent of contamination is not assessed. Not reported

Click here to access the California GeoTracker records for this facility:

32
SSW
1/8-1/4
0.243 mi.
1283 ft.

KAY FAMILY TRUST AND PHILLIP K AND LINDA M KAY TRS
24422 VOLTARA CT
CALABASAS, CA 91302

RCRA NonGen / NLR

1027074106
CAC003145763

Relative:
Higher

Actual:
1245 ft.

RCRA Listings:

Date Form Received by Agency:	20211028
Handler Name:	Kay Family Trust And Phillip K And Linda M Kay Trs
Handler Address:	24422 Voltara Ct
Handler City,State,Zip:	CALABASAS, CA 91302
EPA ID:	CAC003145763
Contact Name:	PHILLIP KAY
Contact Address:	24422 VOLTARA CT
Contact City,State,Zip:	CALABASAS, CA 91302
Contact Telephone:	818-339-1364
Contact Fax:	Not reported
Contact Email:	FAVILA@BURNS-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	24422 VOLTARA CT
Mailing City,State,Zip:	CALABASAS, CA 91302
Owner Name:	Kay Family Trust And Phillip K And
Owner Type:	Other
Operator Name:	Phillip Kay
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

KAY FAMILY TRUST AND PHILLIP K AND LINDA M KAY TRS (Continued) **1027074106**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20211028
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	KAY FAMILY TRUST AND PHILLIP K AND
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24422 VOLTARA CT
Owner/Operator City,State,Zip:	CALABASAS, CA 91302
Owner/Operator Telephone:	818-339-1364
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PHILLIP KAY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24422 VOLTARA CT
Owner/Operator City,State,Zip:	CALABASAS, CA 91302
Owner/Operator Telephone:	818-339-1364
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20211028
Handler Name:	KAY FAMILY TRUST AND PHILLIP K AND LINDA M KAY TRS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

KAY FAMILY TRUST AND PHILLIP K AND LINDA M KAY TRS (Continued) **1027074106**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G33 **CALABASAS GOLF & COUNTRY** **HIST CORTESE** **S103065817**
SE **4302 PARK ENTRADA** **N/A**
1/4-1/2 **CALABASAS, CA 91302**
0.348 mi.
1836 ft. **Site 1 of 2 in cluster G**

Relative: **Lower**
Actual: **1077 ft.**

HIST CORTESE:
edr_fname: CALABASAS GOLF & COUNTRY
edr_fadd1: 4302 PARK ENTRADA
City,State,Zip: CALABASAS, CA 91302
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 011088-01

G34 **CALABASAS GOLF & COUNTRY CLUB** **LUST** **S100228039**
SE **4302 PARK ENTRADA** **N/A**
1/4-1/2 **MONTE NIDO, CA 91302**
0.348 mi.
1836 ft. **Site 2 of 2 in cluster G**

Relative: **Lower**
Actual: **1077 ft.**

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 011088-01
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: OT
Global ID: T0603700048
W Global ID: W0606501096
Staff: UNK
Local Agency: 19000
Cross Street: PARKWAY CALABASAS
Enforcement Type: Not reported
Date Leak Discovered: 12/19/1988
Date Leak First Reported: 12/20/1988
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: 10/27/1988
Date Case Last Changed on Database: 1/10/1988

CALABASAS GOLF & COUNTRY CLUB (Continued) **S100228039**

Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	HABONIM CAMP GILBOA	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		18381.298542585782304885050014
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		1/10/1988
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	NITTO AMERICA COMPANY, LTD	
RP Address:	4515 PARK ENTRADA, CALABASAS, CA 91302	
Program:	LUST	
Lat/Long:	34.1436297 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	3301096-001GEN	
Summary:	THE THREE TANKS ARE 8000, 2000 & 1000 GALLONS,THE TWO LATTER TANKS TESTED TIGHT 9/85-9/87 ACTION PENDING INVESTIGATION	

H35 **CALABASAS UNION CORP** **UST FINDER RELEASE** **1028929550**
ENE **24115 CALABASAS RD** **N/A**
1/4-1/2 **CALABASAS, CA 91302**
0.406 mi.
2145 ft. **Site 1 of 4 in cluster H**

Relative: UST FINDER RELEASE:
Lower

Actual: Object ID:	58829
1011 ft. Facility ID:	Not reported
Lust ID:	CAT10000000533
Name:	CALABASAS UNION CORP
Address:	24115 CALABASAS RD
City,State,Zip:	CALABASAS, CA 91302
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	88
Domestic Wells within 1500ft:	0
Land Use:	Developed, Medium Intensity

CALABASAS UNION CORP (Continued) **1028929550**

Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	No
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-118.65226
Y Coord:	34.1521100000001
Latitude:	34.15211
Longitude:	-118.652259999999

H36 **76 PRODUCTS STATION #6287** **UST FINDER RELEASE** **1028913083**
ENE **24115 CALABASAS RD** **N/A**
1/4-1/2 **CALABASAS, CA 91302**
0.406 mi.
2145 ft. **Site 2 of 4 in cluster H**

Relative: **Lower**
Actual: **1011 ft.**

UST FINDER RELEASE:

Object ID:	58828
Facility ID:	Not reported
Lust ID:	CAT0603702767
Name:	76 PRODUCTS STATION #6287
Address:	24115 CALABASAS RD
City,State,Zip:	CALABASAS, CA 91302
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	88
Domestic Wells within 1500ft:	0
Land Use:	Developed, Medium Intensity
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	No
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported

76 PRODUCTS STATION #6287 (Continued) **1028913083**

NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-118.65226
Y Coord:	34.1521100000001
Latitude:	34.15211
Longitude:	-118.652259999999

H37 **UNION OIL 6287** **HIST UST** **S113026871**
ENE **24115 CALABASAS ROAD** **Cortese** **N/A**
1/4-1/2 **CALABASAS, CA 91302** **HWTS**
0.406 mi. **HAZNET**
2145 ft. **Site 3 of 4 in cluster H** **CERS**

Relative:
Lower

Actual:
1011 ft.

HIST UST:

Name:	UNION OIL 6287
Address:	24115 CALABASAS ROAD
City,State,Zip:	CALABASAS, CA 91302
File Number:	0002839a
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002839a.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CORTESE:

Name:	CALABASAS UNION CORP
Address:	24115 CALABASAS RD
City,State,Zip:	CALABASAS, CA 91302
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T10000000533
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

UNION OIL 6287 (Continued) **S113026871**

Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HWTS:

Name:	CALABASAS UNION CORP
Address:	24115 CALABASAS RD
Address 2:	Not reported
City,State,Zip:	CALABASAS, CA 91302
EPA ID:	CAL000015111
Inactive Date:	06/30/2017
Create Date:	11/14/1989
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	24115 CALABASAS RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALABASAS, CA 913021512
Owner Name:	HASHEM AMIRIAN
Owner Address:	24115 CALABASAS RD
Owner Address 2:	Not reported
Owner City,State,Zip:	CALABASAS, CA 913020000
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	HASHEM AMIRIAN
Contact Address:	24115 CALABASAS RD
Contact Address 2:	Not reported
City,State,Zip:	CALABASAS, CA 913020000
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.15214
Longitude:	-118.652442

HAZNET:

Name:	CALABASAS UNION CORP
Address:	24115 CALABASAS RD
Address 2:	Not reported
City,State,Zip:	CALABASAS, CA 913020000
Contact:	HASHEM AMIRIAN
Telephone:	8182223877
Mailing Name:	Not reported
Mailing Address:	24115 CALABASAS RD
Year:	2004
Gepaid:	CAL000015111

UNION OIL 6287 (Continued) **S113026871**

TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	-
Tons:	3.8
Year:	2003
Gepaid:	CAL000015111
TSD EPA ID:	CAD981696420
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	0.95
Year:	1999
Gepaid:	CAL000015111
TSD EPA ID:	CAT000613893
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.168
Year:	1998
Gepaid:	CAL000015111
TSD EPA ID:	CAD093459485
CA Waste Code:	342 - Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	H01 - Transfer Station
Tons:	0.0583
Year:	1998
Gepaid:	CAL000015111
TSD EPA ID:	CAT000613893
CA Waste Code:	342 - Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	H01 - Transfer Station
Tons:	0.1125
Year:	1998
Gepaid:	CAL000015111
TSD EPA ID:	CAT000613893
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.063
Year:	1996
Gepaid:	CAL000015111
TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	R01 - Recycler
Tons:	0.231
Year:	1995
Gepaid:	CAL000015111
TSD EPA ID:	CAD099452708
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	R01 - Recycler
Tons:	0.21

UNION OIL 6287 (Continued) **S113026871**

Year:	1994
Gepaid:	CAL000015111
TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	R01 - Recycler
Tons:	0.231

Additional Info:

Year:	2004
Gen EPA ID:	CAL000015111
Shipment Date:	20041112
Creation Date:	2/17/2005 18:32:22
Receipt Date:	20041117
Manifest ID:	24035349
Trans EPA ID:	CAT080016116
Trans Name:	NIETO AND SONS TRUCKING INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	EXEM
Meth Code:	- Not reported
Quantity Tons:	3.8
Waste Quantity:	1000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000015111
Shipment Date:	20030619
Creation Date:	7/22/2004 7:51:02
Receipt Date:	20030619
Manifest ID:	22686700
Trans EPA ID:	CAD981427669
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981696420
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.95

UNION OIL 6287 (Continued) **S113026871**

Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAL000015111
Shipment Date:	19990621
Creation Date:	7/30/1999 0:00:00
Receipt Date:	19990624
Manifest ID:	99230269
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990426
Creation Date:	5/27/1999 0:00:00
Receipt Date:	19990428
Manifest ID:	98799878
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.042
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

UNION OIL 6287 (Continued) **S113026871**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990113
Creation Date:	3/15/1999 0:00:00
Receipt Date:	19990118
Manifest ID:	98624447
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAL000015111
Shipment Date:	19981106
Creation Date:	12/17/1998 0:00:00
Receipt Date:	19981110
Manifest ID:	98283005
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980602
Creation Date:	8/3/1998 0:00:00

UNION OIL 6287 (Continued) **S113026871**

Receipt Date:	19980603
Manifest ID:	98178301
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	342 - Organic liquids with metals (see 121
RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0625
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980505
Creation Date:	6/26/1998 0:00:00
Receipt Date:	19980507
Manifest ID:	97369675
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	342 - Organic liquids with metals (see 121
RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980312
Creation Date:	5/8/1998 0:00:00
Receipt Date:	19980320
Manifest ID:	97407789
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

UNION OIL 6287 (Continued) **S113026871**

TSDF Alt Name:	Not reported
Waste Code Description:	342 - Organic liquids with metals (see 121
RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0583
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAL000015111
Shipment Date:	19960304
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960304
Manifest ID:	96205960
Trans EPA ID:	CAD980694848
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAL000015111
Shipment Date:	19950227
Creation Date:	10/23/1995 0:00:00
Receipt Date:	19950228
Manifest ID:	95274631
Trans EPA ID:	CAD980694848
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

UNION OIL 6287 (Continued) **S113026871**

TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.21
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAL000015111
Shipment Date:	19940613
Creation Date:	10/10/1995 0:00:00
Receipt Date:	19940614
Manifest ID:	93625303
Trans EPA ID:	CAD980694848
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	CALABASAS UNION CORP
Address:	24115 CALABASAS RD
City,State,Zip:	CALABASAS, CA 91302
Site ID:	716533
CERS ID:	T10000000533
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	DANIEL PIROTTON - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	R4 UNKNOWN
Affiliation State:	CA
Affiliation Country:	Not reported

UNION OIL 6287 (Continued) **S113026871**

Affiliation Zip: Not reported
Affiliation Phone: 2135766714,

Affiliation Type Desc: Local Agency Caseworker
Entity Name: NIKOLAUS REPPUHN - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 SOUTH FREEMONT AVE.
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

H38 **76 PRODUCTS STATION #6287** **LUST** **S103065155**
ENE **24115 CALABASAS RD** **CERS HAZ WASTE** **N/A**
1/4-1/2 **CALABASAS, CA 91302** **CERS TANKS**
0.406 mi. **Cortese**
2145 ft. **Site 4 of 4 in cluster H** **HIST CORTESE**
CERS

Relative:
Lower

Actual:
1011 ft.

LUST:
Name: CALABASAS UNION CORP
Address: 24115 CALABASAS RD
City,State,Zip: CALABASAS, CA 91302
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000000533
Global Id: T10000000533
Latitude: 34.152319
Longitude: -118.652353
Status: Completed - Case Closed
Status Date: 01/10/2011
Case Worker: DPP
RB Case Number: I-01217A
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: 001159-040836
Potential Media Affect: Not reported
Potential Contaminants of Concern: Benzene, Toluene, Xylene, Lead, Diesel, MTBE / TBA / Other Fuel Oxygenates, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
EPA Region: 9
Coordinate Source: Manual Entry on Screens
Cuf Case: NO
Quantity Released Gallons: Not reported
Begin Date: 11/15/2004
Leak Reported Date: 03/13/2006
How Discovered: Tank Closure
How Discovered Description: UST and Dispenser Removal
Discharge Source: Not reported
Discharge Cause: Not reported
Stop Method: Not reported
Stop Description: UST Removal
No Further Action Date: 01/10/2011
CA Water Watershed Name: Los Angeles River - San Fernando - Bull Canyon (412.21)
Dwr Groundwater Subbasin Name: San Fernando Valley (4-012)
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 41-45%

76 PRODUCTS STATION #6287 (Continued) **S103065155**

CA Enviroscreen 4 Score: 45-50%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: LOS ANGELES RWQCB (REGION 4)
Site History: Not reported

LUST:
Global Id: T10000000533
Contact Type: Regional Board Caseworker - Primary Caseworker
Contact Name: DANIEL PIROTTON
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: dpirotton@waterboards.ca.gov
Phone Number: 2135766714

Global Id: T10000000533
Contact Type: Local Agency Caseworker
Contact Name: NIKOLAUS REPPUHN
Organization Name: LOS ANGELES COUNTY
Address: 900 SOUTH FREEMONT AVE.
City: ALHAMBRA
Email: nreppuhn@dpw.lacounty.gov
Phone Number: Not reported

LUST:
Global Id: T10000000533
Action Type: ENFORCEMENT
Date: 01/25/2010
Action: Staff Letter

Global Id: T10000000533
Action Type: RESPONSE
Date: 03/01/2010
Action: Other Report / Document

Global Id: T10000000533
Action Type: ENFORCEMENT
Date: 12/06/2006
Action: Referral to Regional Board - #C505239

Global Id: T10000000533
Action Type: Other
Date: 11/15/2004
Action: Leak Stopped

Global Id: T10000000533
Action Type: ENFORCEMENT
Date: 01/10/2011
Action: Closure/No Further Action Letter

Global Id: T10000000533
Action Type: Other
Date: 11/15/2004
Action: Leak Discovery

Global Id: T10000000533

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Action Type: REMEDIATION
Date: 01/05/2005
Action: Excavation

Global Id: T10000000533
Action Type: Other
Date: 03/13/2006
Action: Leak Reported

LUST:
Global Id: T10000000533
Status: Open - Case Begin Date
Status Date: 11/15/2004

Global Id: T10000000533
Status: Open - Site Assessment
Status Date: 11/15/2006

Global Id: T10000000533
Status: Completed - Case Closed
Status Date: 01/10/2011

Name: 76 PRODUCTS STATION #6287
Address: 24115 CALABASAS RD
City,State,Zip: CALABASAS, CA 91302
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702767
Global Id: T0603702767
Latitude: 34.152344
Longitude: -118.652354
Status: Completed - Case Closed
Status Date: 05/23/1997
Case Worker: YR
RB Case Number: I-01217
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
EPA Region: 9
Coordinate Source: Google Geocode
Cuf Case: YES
Quantity Released Gallons: Not reported
Begin Date: 03/30/1990
Leak Reported Date: 05/07/1990
How Discovered: Tank Closure
How Discovered Description: Not reported
Discharge Source: Other
Discharge Cause: Unknown
Stop Method: Not reported
Stop Description: Not reported
No Further Action Date: 05/23/1997
CA Water Watershed Name: Los Angeles River - San Fernando - Bull Canyon (412.21)
Dwr Groundwater Subbasin Name: San Fernando Valley (4-012)
Disadvantaged Community: Not reported

76 PRODUCTS STATION #6287 (Continued) **S103065155**

CA Enviroscreen 3 Score: 41-45%
CA Enviroscreen 4 Score: 45-50%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: LOS ANGELES RWQCB (REGION 4)
Site History: Not reported

LUST:
Global Id: T0603702767
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603702767
Contact Type: Regional Board Caseworker - Primary Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603702767
Action Type: Other
Date: 05/07/1990
Action: Leak Reported

Global Id: T0603702767
Action Type: Other
Date: 03/30/1990
Action: Leak Stopped

Global Id: T0603702767
Action Type: ENFORCEMENT
Date: 05/23/1997
Action: Closure/No Further Action Letter

Global Id: T0603702767
Action Type: Other
Date: 03/30/1990
Action: Leak Discovery

LUST:
Global Id: T0603702767
Status: Open - Case Begin Date
Status Date: 03/30/1990

Global Id: T0603702767
Status: Open - Site Assessment
Status Date: 05/07/1990

Global Id: T0603702767

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Status: Open - Site Assessment
Status Date: 08/16/1995

Global Id: T0603702767
Status: Completed - Case Closed
Status Date: 05/23/1997

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-01217
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603702767
W Global ID: W0606501096
Staff: UNK
Local Agency: 19000
Cross Street: CALABASAS PARKWAY
Enforcement Type: Not reported
Date Leak Discovered: 3/30/1990
Date Leak First Reported: 5/7/1990
Date Leak Record Entered: 6/12/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 3/30/1990
Date Case Last Changed on Database: 1/28/1998
Date the Case was Closed: 5/23/1997
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: JAVAHERIUM, DARYOUSH
Water System: HABONIM CAMP GILBOA
Well Name: Not reported
Approx. Dist To Production Well (ft): 15507.524847074029626352032636
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 5/7/1990
Pollution Characterization Began: 8/16/1995
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 640
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: TOSCO/76 PRODUCTS TEAM

76 PRODUCTS STATION #6287 (Continued) **S103065155**

RP Address: P.O. BOX 25376, SANTA ANA CA 92799-5376
Program: LUST
Lat/Long: 34.1523395 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 3301096-001GEN
Summary: 05/13/97 - VOLUME 1 AND CORRESPONDENCE FILE MISSING (GN) 1/23/97 - PREPARED CLOSURE LETTER, ON HOLD DUE TO MTBE 4 USTS REMOVED 6/89: 3@ 10,000, 1@ 550. LEVEL 1 MTBE ASSESS-MENT. NO SURFACE/DRINKING WATER THREATENED.

CERS HAZ WASTE:
Name: CALABASAS AUTO SPA
Address: 24115 CALABASAS RD
City,State,Zip: CALABASAS, CA 91302
Site ID: 101567
CERS ID: 10291708
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: CALABASAS AUTO SPA
Address: 24115 CALABASAS RD
City,State,Zip: CALABASAS, CA 91302
Site ID: 101567
CERS ID: 10291708
CERS Description: Underground Storage Tank

CORTESE:
Name: 76 PRODUCTS STATION #6287
Address: 24115 CALABASAS RD
City,State,Zip: CALABASAS, CA 91302
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603702767
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

76 PRODUCTS STATION #6287 (Continued) **S103065155**

HIST CORTESE:

edr_fname:	76 PRODUCTS STATION #6287
edr_fadd1:	24115 CALABASAS
City,State,Zip:	CALABASAS, CA 91302
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-01217

CERS:

Name:	CALABASAS AUTO SPA
Address:	24115 CALABASAS RD
City,State,Zip:	CALABASAS, CA 91302
Site ID:	101567
CERS ID:	10291708
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-30-2017
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain monitoring and maintenance records and/or maintain records of appropriate follow-up actions.
Violation Notes:	Returned to compliance on 10/25/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,

Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-30-2020
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description:	Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes:	NOVC:91 PRODUCT 2NDRY NOT UNDER VACUUM(FIXED @INSP/CERT);ALARM HIST. DATE & COLD START DISCREPANCIES(SEE INSP ATTACH.&NOTICE);3YR RPT.NOT @SITE;3RPTS NOT SUBMITTED;NO APPROPRIATE FOLLOW-UP ACTIONS FOR MULT. ALARMS;APRIL D.O. RPT MISSING;
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,

Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-27-2018
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five

76 PRODUCTS STATION #6287 (Continued) **S103065155**

minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: Returned to compliance on 02/08/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-26-2019
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description: Failure to submit the Designated Underground Storage Tank Operator Identification Form within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes: Returned to compliance on 12/04/2019. 1) CERS NOT ACCEPTED (FRCT,CFO,OWN/OP AGREEMENT,RESP PLAN,OSDO,SOUC)2) POSITIVE SHUTDOWN NOT FUNCTIONING, 3) DESIGNATED OPERATOR NOT INCLUDING WORK ORDERS/ALARM LOG EXPLAINING CAUSE/REMEDY OF ALARMS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-22-2022
Citation: HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description: Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes: 1)91 ANNULAR SPACE SENSOR REPLACED PRIOR YEAR W/O PERMIT, 2)MULTIPLETANK ON ONE OVFL ANNUCIATOR, 3)UPON ARRIVAL, S6(91 ANNULAR VAC SNSR)WAS XED OUT OF THE PROGRAMMING,WHEN PLACED BACK INTO THE PROGRAMMINGTHE SENSOR WENT INTO ALARM.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Violation Date: 01-06-2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have a UST Response Plan available on site.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-30-2020
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description: Failure to submit the Underground Storage Tank Statement of Understanding and Compliance Form.
Violation Notes: NOVC:91 PRODUCT 2NDRY NOT UNDER VACUUM(FIXED @INSP/CERT);ALARM HIST. DATE & COLD START DISCREPANCIES(SEE INSP ATTACH.&NOTICE);3YR RPT.NOT @SITE;3RPTS NOT SUBMITTED;NO APPROPRIATE FOLLOW-UP ACTIONS FOR MULT. ALARMS;APRIL D.O. RPT MISSING;
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-30-2020
Citation: 23 CCR 16 2637.1(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637.1(e)
Violation Description: Failure to submit a copy of the spill containment test results on the Spill Container Testing Report Form to the UPA within 30 days after the test.
Violation Notes: NOVC:91 PRODUCT 2NDRY NOT UNDER VACUUM(FIXED @INSP/CERT);ALARM HIST. DATE & COLD START DISCREPANCIES(SEE INSP ATTACH.&NOTICE);3YR RPT.NOT @SITE;3RPTS NOT SUBMITTED;NO APPROPRIATE FOLLOW-UP ACTIONS FOR MULT. ALARMS;APRIL D.O. RPT MISSING;
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 07-16-2013
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 05/06/2014.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 01-06-2017
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter

76 PRODUCTS STATION #6287 (Continued) **S103065155**

16, Section(s) 2712(b)
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the UST.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-29-2021
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: 1)CERS NOT ACCEPTED (SOUC),2)OVFL & CTLS SUBMIITED>30DAYS,3)ANN(420) IN 91 UST REPLACED DURING INSP/CTLS,4)LIQ IN 91 ANNUALAR SPACE,5)DO REPORT & WORK ORDER (5/9/21) HAVE INVALID INFORMATION
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-26-2019
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description: Failure to submit the Underground Storage Tank Statement of Understanding and Compliance Form.
Violation Notes: Returned to compliance on 12/04/2019. 1) CERS NOT ACCEPTED (FRCT,CFO,OWN/OP AGREEMENT,RESP PLAN,OSDO,SOUC)2) POSITIVE SHUTDOWN NOT FUNCTIONING, 3) DESIGNATED OPERATOR NOT INCLUDING WORK ORDERS/ALARM LOG EXPLAINING CAUSE/REMEDY OF ALARMS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-30-2020
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: NOVC:91 PRODUCT 2NDRY NOT UNDER VACUUM(FIXED @INSP/CERT);ALARM HIST. DATE & COLD START DISCREPANCIES(SEE INSP ATTACH.&NOTICE);3YR RPT.NOT @SITE;3RPTS NOT SUBMITTED;NO APPROPRIATE FOLLOW-UP ACTIONS FOR MULT. ALARMS;APRIL D.O. RPT MISSING;
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-30-2020
Citation: HSC 6.7 25292.2(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.2(a)

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: NOVC:91 PRODUCT 2NDRY NOT UNDER VACUUM(FIXED @INSP/CERT);ALARM HIST. DATE & COLD START DISCREPANCIES(SEE INSP ATTACH.&NOTICE);3YR RPT.NOT @SITE;3RPTS NOT SUBMITTED;NO APPROPRIATE FOLLOW-UP ACTIONS FOR MULT. ALARMS;APRIL D.O. RPT MISSING;
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-26-2019
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes: Returned to compliance on 12/04/2019. 1) CERS NOT ACCEPTED (FRCT,CFO,OWN/OP AGREEMENT,RESP PLAN,OSDO,SOUC)2) POSITIVE SHUTDOWN NOT FUNCTIONING, 3) DESIGNATED OPERATOR NOT INCLUDING WORK ORDERS/ALARM LOG EXPLAINING CAUSE/REMEDY OF ALARMS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-30-2017
Citation: HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description: Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-22-2022
Citation: 23 CCR 16 2632(c)(2)(A)&(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(A)&(B)
Violation Description: Failure to continuously monitor the interstitial space of a

76 PRODUCTS STATION #6287 (Continued) **S103065155**

	double-walled tank with an audible and visual alarm system.
Violation Notes:	1)91 ANNULAR SPACE SENSOR REPLACED PRIOR YEAR W/O PERMIT, 2)MULTIPLETANK ON ONE OVFL ANNUCIATOR, 3)UPON ARRIVAL, S6(91 ANNULAR VAC SNSR)WAS XED OUT OF THE PROGRAMMING,WHEN PLACED BACK INTO THE PROGRAMMINGTHE SENSOR WENT INTO ALARM.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-29-2021
Citation:	HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes:	1)CERS NOT ACCEPTED (SOUC),2)OVFL & CTLS SUBMIITED>30DAYS,3)ANN(420) IN 91 UST REPLACED DURING INSP/CTLS,4)LIQ IN 91 ANNUALAR SPACE,5)DO REPORT & WORK ORDER (5/9/21) HAVE INVALID INFORMATION
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-30-2017
Citation:	HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes:	Returned to compliance on 10/25/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-26-2019
Citation:	HSC 6.7 25284(a)(3)(A)&(B) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A)&(B)
Violation Description:	Failure to implement or maintain a written agreement between the UST owner and operator.
Violation Notes:	Returned to compliance on 12/04/2019. 1) CERS NOT ACCEPTED (FRCT,CFO,OWN/OP AGREEMENT,RESP PLAN,OSDO,SOUC)2) POSITIVE SHUTDOWN NOT FUNCTIONING, 3) DESIGNATED OPERATOR NOT INCLUDING WORK ORDERS/ALARM LOG EXPLAINING CAUSE/REMEDY OF ALARMS
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-29-2021
Citation:	23 CCR 16 2665(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665(b)
Violation Description:	"Failure to submit a copy of the overfill prevention equipment inspection results on the Overfill Prevention Equipment Inspection

76 PRODUCTS STATION #6287 (Continued) **S103065155**

	Report Form to the UPA within 30 days after the inspection. "
Violation Notes:	1)CERS NOT ACCEPTED (SOUC),2)OVFL & CTLS SUBMIITED>30DAYS,3)ANN(420) IN 91 UST REPLACED DURING INSP/CTLS,4)LIQ IN 91 ANNUALAR SPACE,5)DO REPORT & WORK ORDER (5/9/21) HAVE INVALID INFORMATION
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-26-2019
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Returned to compliance on 12/04/2019. 1) CERS NOT ACCEPTED (FRCT,CFO,OWN/OP AGREEMENT,RESP PLAN,OSDO,SOUC)2) POSITIVE SHUTDOWN NOT FUNCTIONING, 3) DESIGNATED OPERATOR NOT INCLUDING WORK ORDERS/ALARM LOG EXPLAINING CAUSE/REMEDY OF ALARMS
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	07-16-2013
Citation:	HSC 6.95 25503.5(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25503.5(a)
Violation Description:	Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 05/06/2014.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	01-06-2017
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Response Plan.
Violation Notes:	Returned to compliance on 10/25/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-22-2022
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided

76 PRODUCTS STATION #6287 (Continued) **S103065155**

the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: 1)91 ANNULAR SPACE SENSOR REPLACED PRIOR YEAR W/O PERMIT, 2)MULTIPLETANK ON ONE OVFL ANNUCIATOR, 3)UPON ARRIVAL, S6(91 ANNULAR VAC SNSR)WAS XED OUT OF THE PROGRAMMING,WHEN PLACED BACK INTO THE PROGRAMMINGTHE SENSOR WENT INTO ALARM.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-29-2021
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes: 1)CERS NOT ACCEPTED (SOUC),2)OVFL & CTLS SUBMIITED>30DAYS,3)ANN(420) IN 91 UST REPLACED DURING INSP/CTLS,4)LIQ IN 91 ANNUALAR SPACE,5)DO REPORT & WORK ORDER (5/9/21) HAVE INVALID INFORMATION
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-26-2019
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 12/04/2019. 1) CERS NOT ACCEPTED (FRCT,CFO,OWN/OP AGREEMENT,RESP PLAN,OSDO,SOUC) 2) POSITIVE SHUTDOWN NOT FUNCTIONING, 3) DESIGNATED OPERATOR NOT INCLUDING WORK ORDERS/ALARM LOG EXPLAINING CAUSE/REMEDY OF ALARMS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-26-2019
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Response Plan.
Violation Notes:	Returned to compliance on 12/04/2019. 1) CERS NOT ACCEPTED (FRCT,CFO,OWN/OP AGREEMENT,RESP PLAN,OSDO,SOUC)2) POSITIVE SHUTDOWN NOT FUNCTIONING, 3) DESIGNATED OPERATOR NOT INCLUDING WORK ORDERS/ALARM LOG EXPLAINING CAUSE/REMEDY OF ALARMS
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,

Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-30-2017
Citation:	23 CCR 16 2635(c)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2635(c)(8)
Violation Description:	Failure to submit as-built plans for the location and orientation of the tanks and appurtenant piping systems for new installations and/or with the permit application.
Violation Notes:	Returned to compliance on 10/25/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,

Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-30-2017
Citation:	23 CCR 16 2631(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2631(d)
Violation Description:	Failure of primary or integral secondary containment to be approved for use by an independent testing organization or failure of non integral secondary containment to be designed and constructed to an engineering specification approved by a registered professional engineer or in accordance with a nationally recognized industry code or engineering standard.
Violation Notes:	Returned to compliance on 10/25/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,

Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	04-05-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 01/16/2018. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division:	Los Angeles County Fire Department

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Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	01-06-2017
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	Returned to compliance on 10/25/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-30-2017
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 10/25/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-26-2019
Citation:	23 CCR 16 2712(b)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(2)
Violation Description:	Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.
Violation Notes:	Returned to compliance on 12/04/2019. 1) CERS NOT ACCEPTED (FRCT,CFO,OWN/OP AGREEMENT,RESP PLAN,OSDO,SOUC)2) POSITIVE SHUTDOWN NOT FUNCTIONING, 3) DESIGNATED OPERATOR NOT INCLUDING WORK ORDERS/ALARM LOG EXPLAINING CAUSE/REMEDY OF ALARMS
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-30-2020
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	NOVC:91 PRODUCT 2NDRY NOT UNDER VACUUM(FIXED @INSP/CERT);ALARM HIST. DATE & COLD START DISCREPANCIES(SEE INSP ATTACH.&NOTICE);3YR RPT.NOT @SITE;3RPTS NOT SUBMITTED;NO APPROPRIATE FOLLOW-UP ACTIONS FOR MULT. ALARMS;APRIL D.O. RPT MISSING;
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 01-06-2017
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been properly trained.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 01-06-2017
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-27-2018
Citation: 23 CCR 16 2632(c)(2)(A)&(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(A)&(B)
Violation Description: Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system.
Violation Notes: Returned to compliance on 02/08/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 07-16-2013
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes: Failure to properly manage spent fuel filters
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-30-2017
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-29-2021
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.
Violation Notes: 1)CERS NOT ACCEPTED (SOUC),2)OVFL & CTLS SUBMIITED>30DAYS,3)ANN(420) IN 91 UST REPLACED DURING INSP/CTLS,4)LIQ IN 91 ANNUALAR SPACE,5)DO REPORT & WORK ORDER (5/9/21) HAVE INVALID INFORMATION
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-30-2017
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 04-05-2017
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 05/16/2017. OBSERVATION: This facility s EPA ID number is inactive. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an EPA ID number. CORRECTIVE ACTION: Immediately contact DTSC and reactivate your EPA ID number and submit evidence to the CUPA.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 101567

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Site Name: CALABASAS AUTO SPA
Violation Date: 11-22-2022
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: 1)91 ANNULAR SPACE SENSOR REPLACED PRIOR YEAR W/O PERMIT, 2)MULTIPLETANK ON ONE OVFL ANNUCIATOR, 3)UPON ARRIVAL, S6(91 ANNULAR VAC SNSR)WAS XED OUT OF THE PROGRAMMING,WHEN PLACED BACK INTO THE PROGRAMMINGTHE SENSOR WENT INTO ALARM.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-30-2017
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-29-2021
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description: Failure to submit the Underground Storage Tank Statement of Understanding and Compliance Form.
Violation Notes: 1)CERS NOT ACCEPTED (SOUC),2)OVFL & CTLS SUBMIITED>30DAYS,3)ANN(420) IN 91 UST REPLACED DURING INSP/CTLS,4)LIQ IN 91 ANNUALAR SPACE,5)DO REPORT & WORK ORDER (5/9/21) HAVE INVALID INFORMATION
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-30-2020
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes: NOVC:91 PRODUCT 2NDRY NOT UNDER VACUUM(FIXED @INSP/CERT);ALARM HIST. DATE & COLD START DISCREPANCIES(SEE INSP ATTACH.&NOTICE);3YR RPT.NOT @SITE;3RPTS NOT SUBMITTED;NO APPROPRIATE FOLLOW-UP ACTIONS FOR MULT. ALARMS;APRIL D.O. RPT MISSING;
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Violation Date:	11-30-2017
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 10/25/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-29-2021
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	1)CERS NOT ACCEPTED (SOUC),2)OVFL & CTLS SUBMIITED>30DAYS,3)ANN(420) IN 91 UST REPLACED DURING INSP/CTLS,4)LIQ IN 91 ANNUALAR SPACE,5)DO REPORT & WORK ORDER (5/9/21) HAVE INVALID INFORMATION
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-30-2017
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 10/25/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-30-2017
Citation:	23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description:	Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that

76 PRODUCTS STATION #6287 (Continued) **S103065155**

alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).

Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 01-06-2017
Citation: HSC 6.7 25284(a)(3)(A) & (B); - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A) & (B);
Violation Description: Failure to implement or maintain a written agreement between the UST permit holder and the operator (owner/operator agreement).
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 12-15-2015
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: Failure to test the spill bucket annually.
Violation Notes: Returned to compliance on 01/28/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-30-2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-22-2022
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: 1)91 ANNULAR SPACE SENSOR REPLACED PRIOR YEAR W/O PERMIT, 2)MULTIPLETANK ON ONE OVFL ANNUCIATOR, 3)UPON ARRIVAL, S6(91 ANNULAR

76 PRODUCTS STATION #6287 (Continued) **S103065155**

VAC SNSR)WAS XED OUT OF THE PROGRAMMING,WHEN PLACED BACK INTO THE PROGRAMMINGTHE SENSOR WENT INTO ALARM.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 01-06-2017
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Description: Failure to submit or update a plot plan.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-30-2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to submit a current UST Response Plan available on site.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-30-2020
Citation: 23 CCR 16 2712(b)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(2)
Violation Description: Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.
Violation Notes: NOVC:91 PRODUCT 2NDRY NOT UNDER VACUUM(FIXED @INSP/CERT);ALARM HIST. DATE & COLD START DISCREPANCIES(SEE INSP ATTACH.&NOTICE);3YR RPT.NOT @SITE;3RPTS NOT SUBMITTED;NO APPROPRIATE FOLLOW-UP ACTIONS FOR MULT. ALARMS;APRIL D.O. RPT MISSING;
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-30-2020
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or

76 PRODUCTS STATION #6287 (Continued) **S103065155**

debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.

Violation Notes: NOVC:91 PRODUCT 2NDRY NOT UNDER VACUUM(FIXED @INSP/CERT);ALARM HIST. DATE & COLD START DISCREPANCIES(SEE INSP ATTACH.&NOTICE);3YR RPT.NOT @SITE;3RPTS NOT SUBMITTED;NO APPROPRIATE FOLLOW-UP ACTIONS FOR MULT. ALARMS;APRIL D.O. RPT MISSING;
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-27-2018
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 02/08/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 01-06-2017
Citation: 23 CCR 16 2632, 2634, 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2712(b)
Violation Description: Failure to maintain monitoring and maintenance records (e.g., alarm logs) and/or maintain records of appropriate follow-up actions.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 12-15-2015
Citation: 23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description: Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes: Returned to compliance on 01/28/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 01-06-2017
Citation: 23 CCR 16 2715(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(e)

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Violation Description: Failure to maintain a copy of the designated operator monthly inspections for the last 12 months on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 01-06-2017
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 01-06-2017
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-26-2019
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 12/04/2019. 1) CERS NOT ACCEPTED (FRCT,CFO,OWN/OP AGREEMENT,RESP PLAN,OSDO,SOUC)2) POSITIVE SHUTDOWN NOT FUNCTIONING, 3) DESIGNATED OPERATOR NOT INCLUDING WORK ORDERS/ALARM LOG EXPLAINING CAUSE/REMEDY OF ALARMS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-30-2020
Citation: 23 CCR 16 2716(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(f)
Violation Description: Failure to maintain on-site, or off-site at a readily available location if approved by the UPA, copies of Designated Operator inspection records as follows: Designated operator monthly inspection records for inspections performed before October 1, 2018 must be kept for 12 months from the month of inspection. For

76 PRODUCTS STATION #6287 (Continued) **S103065155**

	inspections performed on or after October 1, 2018, copies of the "Designated Underground Storage Tank Operator Visual Inspection Report" must be kept for 36 months from the month of inspection.
Violation Notes:	NOVC:91 PRODUCT 2NDRY NOT UNDER VACUUM(FIXED @INSP/CERT);ALARM HIST. DATE & COLD START DISCREPANCIES(SEE INSP ATTACH.&NOTICE);3YR RPT.NOT @SITE;3RPTS NOT SUBMITTED;NO APPROPRIATE FOLLOW-UP ACTIONS FOR MULT. ALARMS;APRIL D.O. RPT MISSING;
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	04-05-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 01/16/2018. OBSERVATION: The annotated site map submitted to the CUPA does not include access and exit points, evacuation staging areas, emergency response equipment (fire extinguishers). Annual recertification also due for 2016/2017 CORRECTIVE ACTION: Revise the annotated Site Map to include all required content and submit electronically in the California Environmental Reporting System (CERS).
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-26-2019
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to submit a current UST Response Plan available on site.
Violation Notes:	Returned to compliance on 12/04/2019. 1) CERS NOT ACCEPTED (FRCT,CFO,OWN/OP AGREEMENT,RESP PLAN,OSDO,SOUC)2) POSITIVE SHUTDOWN NOT FUNCTIONING, 3) DESIGNATED OPERATOR NOT INCLUDING WORK ORDERS/ALARM LOG EXPLAINING CAUSE/REMEDY OF ALARMS
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,
Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-30-2020
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to submit or maintain a current facility plot plan.
Violation Notes:	NOVC:91 PRODUCT 2NDRY NOT UNDER VACUUM(FIXED @INSP/CERT);ALARM HIST. DATE & COLD START DISCREPANCIES(SEE INSP ATTACH.&NOTICE);3YR RPT.NOT @SITE;3RPTS NOT SUBMITTED;NO APPROPRIATE FOLLOW-UP ACTIONS FOR MULT. ALARMS;APRIL D.O. RPT MISSING;
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-22-2022
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.
Violation Notes:	1)91 ANNULAR SPACE SENSOR REPLACED PRIOR YEAR W/O PERMIT, 2)MULTIPLETANK ON ONE OVFL ANNUCIATOR, 3)UPON ARRIVAL, S6(91 ANNULAR VAC SNSR)WAS XED OUT OF THE PROGRAMMING,WHEN PLACED BACK INTO THE PROGRAMMINGTHE SENSOR WENT INTO ALARM.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,

Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-26-2019
Citation:	HSC 6.7 25292.2(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.2(a)
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 12/04/2019. 1) CERS NOT ACCEPTED (FRCT,CFO,OWN/OP AGREEMENT,RESP PLAN,OSDO,SOUC)2) POSITIVE SHUTDOWN NOT FUNCTIONING, 3) DESIGNATED OPERATOR NOT INCLUDING WORK ORDERS/ALARM LOG EXPLAINING CAUSE/REMEDY OF ALARMS
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,

Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-27-2018
Citation:	HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes:	Returned to compliance on 02/08/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,

Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-30-2017
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 10/25/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS,

Site ID:	101567
Site Name:	CALABASAS AUTO SPA
Violation Date:	11-30-2017

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Response Plan.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 01-06-2017
Citation: 23 CCR 16 2631(g), 2632(c)(2)(A) & (B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2631(g), 2632(c)(2)(A) & (B)
Violation Description: Failure of the double-walled interstitial space of the tank to be continuously monitored with an audible and visual alarm.
Violation Notes: Returned to compliance on 10/25/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-29-2021
Citation: 23 CCR 16 2635(e)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2635(e)(8)
Violation Description: Failure to submit as-built plans for the location and orientation of the tanks and appurtenant piping systems for new installations and/or with the permit application.
Violation Notes: 1)CERS NOT ACCEPTED (SOUC),2)OVFL & CTLS SUBMIITED>30DAYS,3)ANN(420) IN 91 UST REPLACED DURING INSP/CTLS,4)LIQ IN 91 ANNUALAR SPACE,5)DO REPORT & WORK ORDER (5/9/21) HAVE INVALID INFORMATION
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Site ID: 101567
Site Name: CALABASAS AUTO SPA
Violation Date: 11-22-2022
Citation: 23 CCR 16 2635(e)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2635(e)(8)
Violation Description: Failure to submit as-built plans for the location and orientation of the tanks and appurtenant piping systems for new installations and/or with the permit application.
Violation Notes: 1)91 ANNULAR SPACE SENSOR REPLACED PRIOR YEAR W/O PERMIT, 2)MULTIPLETANK ON ONE OVFL ANNUCIATOR, 3)UPON ARRIVAL, S6(91 ANNULAR VAC SNSR)WAS XED OUT OF THE PROGRAMMING,WHEN PLACED BACK INTO THE PROGRAMMINGTHE SENSOR WENT INTO ALARM.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 05-16-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency

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Eval Notes: Follow up review conducted over the phone and using DTSC's HWTS as verification. EPA ID CAL000015111 has been activated.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-16-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-16-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-19-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-22-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: 91 ANNULAR SENSOR REPLACED LAST YEAR W/O PERMIT, MULTIPLE TANKS WITHONE OVFL ANNUCIATOR, S6 (91 ANN VAC) XED OUT (WHEN PUT BACK->ALARM)
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-28-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC:LIFTED 208;FSUMP RSRVRS NOT PER PLAN,CLOSED,(208)WRONG SENSOR; ANN SNSR IN FSUMP(NOT PER PLANS);CERS;SUBMIT 2016 CTLS;ALARM FLLWUP
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-29-2016
Violations Found: Yes

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Eval Type: Routine done by local agency
Eval Notes: NOVC:CERS,87STP WRONG VPH LIQUID,BALL VALVE SHUT,NO COMMUNICATION;91 ANN=HI LIQUID ALARM;91 STP SPLICE;DO REPORTS/ALARM FOLLOWUP;SEE NOVC
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-26-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CERS NOT ACCEPTED.POSITIVE SHUTDOWN NOT WORKING.DES OP NOT INCLUDINGWORK ORDERS/ALARM LOG EXPLAINING WHAT ACTIONS TAKEN FOR ALARMS.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-03-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Amir Amirian, owner
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-11-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Rendon Vicente, head manager for car wash
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-29-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CERS NOT ACCEPTED.OVFL/CTLS SUBMITTED >30 DAYS.91 ANN 420 REPLACED 'DURING MONT CERT.LIQ IN 91 ANN.DO/WORK ORDER WITH INVALID INFO.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC:91 PROD 2NDRY NO VACUUM;SEPT ALARM HIST.DATE ALTERED;COLD START B4 12/13/19;3YR RPTS NO@SITE;RPTS NOT SUBMITD;NO W.O./FLLWUP ACTIONS
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Eval Date: 01-03-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Amir Amirian, owner
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-16-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Follow up review conducted over the phone and in CERS. Violations corrected / NOV abated.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-05-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Vicente Rendon, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-05-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Vicente Rendon, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-16-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent Given By: Kashem Amir Amirian Inspected By: J. Perukkonil
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-16-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent Given By: Kashem Amir Amirian Inspected By: J. Perukkonil
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-24-2018
Violations Found: No

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Eval Type: Other, not routine, done by local agency
Eval Notes: ALL INSTALLATION WAS DONE PER APPROVED PLANS;ALL PARTS INSTALLED MAT CHED THE SCOPE OF WORK ON A865882.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-11-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Rendon Vicente, head manager for car wash
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-27-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: 87 TANK ANNULAR SENSOR RAISED ABOVE LIQUID. OVERFILL PREVENTION INSPECTION NOT CONDUCTED. CERS ACCEPTED. PAPERWORK ONSITE/CURRENT.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-15-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: MISSING CURRENT CTLS. UST/DISPENSER SUMPS DRY WITH SENSORS IN PLACE. UST RECORDS ARE AVAILABLE AT THE SITE.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS,

Coordinates:
Site ID: 101567
Facility Name: CALABASAS AUTO SPA
Env Int Type Code: HWG
Program ID: 10291708
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.152330
Longitude: -118.652400

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: HASHEM AMIRIAN
Entity Title: Not reported
Affiliation Address: 24115 CALABASAS RD
Affiliation City: CALABASAS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91302
Affiliation Phone: ,

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Affiliation Type Desc:	Identification Signer
Entity Name:	HASHEM AMIRIAN
Entity Title:	PRESIDENT
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	HASHEM AMIRIAN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(818) 222-3877,

Affiliation Type Desc:	UST Tank Operator
Entity Name:	Calabasas Union Corporation
Entity Title:	Not reported
Affiliation Address:	24115 Calabasas Rd
Affiliation City:	Calabasas
Affiliation State:	ca
Affiliation Country:	United States
Affiliation Zip:	91302
Affiliation Phone:	(818) 222-3877,

Affiliation Type Desc:	UST Tank Owner
Entity Name:	Amirian Family Trust
Entity Title:	Not reported
Affiliation Address:	24115 Calabasas Rd
Affiliation City:	Calabasas
Affiliation State:	ca
Affiliation Country:	United States
Affiliation Zip:	91302
Affiliation Phone:	(818) 222-3877,

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000,

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	HASHEM AMIR AMIRIAN
Entity Title:	Operator
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Affiliation Zip:	Not reported
Affiliation Phone:	(818) 222-3877,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	24115 CALABASAS RD
Affiliation City:	CALABASAS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91302
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Calabasas Union Corporation
Entity Title:	Not reported
Affiliation Address:	24115 W CALABASAS RD
Affiliation City:	CALABASAS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91302
Affiliation Phone:	(818) 222-3877,
Affiliation Type Desc:	Parent Corporation
Entity Name:	CALABASAS AUTO SPA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	RHL DESIGN GROUP
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	AMIRIAN, HASHEM CO TR
Entity Title:	Not reported
Affiliation Address:	24115 Calabasas Rd
Affiliation City:	Calabasas
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91302
Affiliation Phone:	(818) 222-3877,
Name:	76 PRODUCTS STATION #6287
Address:	24115 CALABASAS RD
City,State,Zip:	CALABASAS, CA 91302

76 PRODUCTS STATION #6287 (Continued) **S103065155**

Site ID: 707178
CERS ID: T0603702767
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

I39 **ARCO #1918 (FORMER)** **UST FINDER RELEASE** **1028918451**
ENE **24100 CALABASAS RD** **N/A**
1/4-1/2 **CALABASAS, CA 91302**
0.417 mi.
2200 ft. **Site 1 of 2 in cluster I**

Relative:
Lower

Actual:
1045 ft.

UST FINDER RELEASE:
Object ID: 58830
Facility ID: Not reported
Lust ID: CAT0603703231
Name: ARCO #1918 (FORMER)
Address: 24100 CALABASAS RD
City,State,Zip: CALABASAS, CA 91302
Address Match Type: PointAddress
Reported Date: Not reported
Status: No Further Action
Substance: Not reported
Population within 1500ft: 87
Domestic Wells within 1500ft: 0
Land Use: Developed, Medium Intensity
Within SPA: No
SPA PWS Facility ID: Not reported
SPA Water Type: Not reported
SPA Facility Type: Not reported
SPA HUC12: Not reported
Within WHPA: No
WHPA PWS Facility ID: Not reported
WHPA Water Type: Not reported
WHPA Facility Type: Not reported
WHPA HUC12: Not reported
Within 100yr Floodplain: No
Tribe: Not reported

ARCO #1918 (FORMER) (Continued) **1028918451**

EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-118.65208
Y Coord:	34.1521000000001
Latitude:	34.1520999999999
Longitude:	-118.652079999999

I40 **ARCO #1918 (FORMER)** **LUST** **S100929951**
ENE **24100 CALABASAS RD** **Cortese** **N/A**
1/4-1/2 **CALABASAS, CA 91302** **HIST CORTESE**
0.417 mi. **CERS**
2200 ft. **Site 2 of 2 in cluster I**

Relative: **Lower**

Actual: **1045 ft.**

LUST:

Name:	ARCO #1918 (FORMER)
Address:	24100 CALABASAS RD
City,State,Zip:	CALABASAS, CA 91302
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703231
Global Id:	T0603703231
Latitude:	34.1522473
Longitude:	-118.6516574
Status:	Completed - Case Closed
Status Date:	06/22/1998
Case Worker:	Not reported
RB Case Number:	I-06557
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Geocode
Cuf Case:	YES
Quantity Released Gallons:	Not reported
Begin Date:	02/17/1988
Leak Reported Date:	04/15/1988
How Discovered:	Tank Tightness Test
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	06/22/1998
CA Water Watershed Name:	Los Angeles River - San Fernando - Bull Canyon (412.21)
Dwr Groundwater Subbasin Name:	San Fernando Valley (4-012)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	41-45%
CA Enviroscreen 4 Score:	45-50%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)

ARCO #1918 (FORMER) (Continued) **S100929951**

Site History: Not reported

LUST:
Global Id: T0603703231
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

LUST:
Global Id: T0603703231
Action Type: Other
Date: 02/17/1988
Action: Leak Discovery

Global Id: T0603703231
Action Type: Other
Date: 04/15/1988
Action: Leak Reported

Global Id: T0603703231
Action Type: ENFORCEMENT
Date: 06/22/1998
Action: Closure/No Further Action Letter

LUST:
Global Id: T0603703231
Status: Open - Case Begin Date
Status Date: 02/17/1988

Global Id: T0603703231
Status: Open - Site Assessment
Status Date: 04/15/1988

Global Id: T0603703231
Status: Open - Site Assessment
Status Date: 11/11/1988

Global Id: T0603703231
Status: Open - Site Assessment
Status Date: 11/15/1990

Global Id: T0603703231
Status: Open - Remediation
Status Date: 12/06/1991

Global Id: T0603703231
Status: Open - Remediation
Status Date: 04/28/1992

Global Id: T0603703231
Status: Open - Verification Monitoring
Status Date: 11/08/1996

ARCO #1918 (FORMER) (Continued) **S100929951**

Global Id: T0603703231
Status: Completed - Case Closed
Status Date: 06/22/1998

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-06557	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603703231	
W Global ID:	W0606501096	
Staff:	MSH	
Local Agency:	19000	
Cross Street:	PARKWAY CALABASAS	
Enforcement Type:	Not reported	
Date Leak Discovered:	2/17/1988	
Date Leak First Reported:		4/15/1988
Date Leak Record Entered:	4/27/1988	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/25/1998
Date the Case was Closed:		6/22/1998
How Leak Discovered:	Tank Test	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	MORCAP, INC	
Water System:	HABONIM CAMP GILBOA	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		15461.266027508921538125954322
Source of Cleanup Funding:		F
Preliminary Site Assessment Workplan Submitted:		11/11/1988
Preliminary Site Assessment Began:		11/15/1990
Pollution Characterization Began:		4/15/1988
Remediation Plan Submitted:		12/6/1991
Remedial Action Underway:		4/28/1992
Post Remedial Action Monitoring Began:		11/8/1996
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		1300
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	ARCO PRODUCTS CO	
RP Address:	P.O. BOX 5077, BUENA PARK CA 90622-5077	
Program:	LUST	
Lat/Long:	34.1522125 / -1	

ARCO #1918 (FORMER) (Continued) **S100929951**

Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: LOP/HIGH - ADMINISTRATIVE (CLOSURE/SB2004/ENFORCEMENT)
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 3301096-001GEN
Summary: GW @ 30', EXTENT NOT DEFINED TO WEST,NEED ACCESS TO LACFD. NEGOTIATING WITH LACFD FOR ACCESS R.P. IS NEGOTIATING WITH ADJACENT PROPERTY OWNER TO INSTALL ADDL WELL INSTALLED ON 2/19/98, LOW CONC DETE

CORTESE:
Name: ARCO #1918 (FORMER)
Address: 24100 CALABASAS RD
City,State,Zip: CALABASAS, CA 91302
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603703231
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: ARCO #1918 (FORMER)
edr_fadd1: 24100 CALABASAS
City,State,Zip: CALABASAS, CA 91302
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-06557

CERS:
Name: ARCO #1918 (FORMER)
Address: 24100 CALABASAS RD
City,State,Zip: CALABASAS, CA 91302
Site ID: 710974
CERS ID: T0603703231
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker

ARCO #1918 (FORMER) (Continued) **S100929951**

Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507,

J41 **CHEVRON #9-5153** **HIST CORTESE** **S103645235**
NE **24101 VENTURA** **N/A**
1/4-1/2 **CALABASAS, CA 91360**
0.443 mi.
2338 ft. **Site 1 of 6 in cluster J**

Relative: HIST CORTESE:
Lower

edr_fname:	CHEVRON #9-5153
edr_fadd1:	24101 VENTURA
City,State,Zip:	CALABASAS, CA 91360
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-06083

Actual:
1062 ft.

J42 **CHEVRON #9-5153** **UST FINDER RELEASE** **1028933694**
NE **24101 VENTURA BLVD W** **N/A**
1/4-1/2 **CALABASAS, CA 91302**
0.443 mi.
2338 ft. **Site 2 of 6 in cluster J**

Relative: UST FINDER RELEASE:
Lower

Object ID:	58827
Facility ID:	Not reported
Lust ID:	CAT0603704716
Name:	CHEVRON #9-5153
Address:	24101 VENTURA BLVD W
City,State,Zip:	CALABASAS, CA 91302
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	55
Domestic Wells within 1500ft:	0
Land Use:	Developed, Medium Intensity
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	No

Actual:
1062 ft.

CHEVRON #9-5153 (Continued) **1028933694**

Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-118.65295
Y Coord:	34.15396
Latitude:	34.1539599999999
Longitude:	-118.65295

J43 **CHEVRON #9-5153** **LUST** **S102427282**
NE **24101 VENTURA BLVD W** **Cortese** **N/A**
1/4-1/2 **CALABASAS, CA 91302** **CERS**
0.443 mi.
2338 ft. **Site 3 of 6 in cluster J**

Relative: **Lower**

Actual: **1062 ft.**

LUST:

Name:	CHEVRON #9-5153
Address:	24101 VENTURA BLVD W
City,State,Zip:	CALABASAS, CA 91302
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704716
Global Id:	T0603704716
Latitude:	34.15413
Longitude:	-118.653214
Status:	Completed - Case Closed
Status Date:	12/09/1996
Case Worker:	YR
RB Case Number:	R-06083
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Geocode
Cuf Case:	YES
Quantity Released Gallons:	Not reported
Begin Date:	07/08/1987
Leak Reported Date:	02/23/1994
How Discovered:	Other Means
How Discovered Description:	Not reported
Discharge Source:	Other
Discharge Cause:	Unknown
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	12/09/1996
CA Water Watershed Name:	Los Angeles River - San Fernando - Bull Canyon (412.21)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	21-25%
CA Enviroscreen 4 Score:	25-30%
Military DOD Site:	No
Facility Project Subtype:	Not reported

CHEVRON #9-5153 (Continued) **S102427282**

RWQCB Region: LOS ANGELES RWQCB (REGION 4)
Site History: Not reported

LUST:
Global Id: T0603704716
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704716
Contact Type: Regional Board Caseworker - Primary Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704716
Action Type: Other
Date: 07/08/1987
Action: Leak Discovery

Global Id: T0603704716
Action Type: Other
Date: 02/23/1994
Action: Leak Reported

Global Id: T0603704716
Action Type: ENFORCEMENT
Date: 12/09/1996
Action: Closure/No Further Action Letter

LUST:
Global Id: T0603704716
Status: Open - Case Begin Date
Status Date: 07/08/1987

Global Id: T0603704716
Status: Open - Site Assessment
Status Date: 02/23/1994

Global Id: T0603704716
Status: Completed - Case Closed
Status Date: 12/09/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles

CHEVRON #9-5153 (Continued) **S102427282**

Facility Id:	R-06083	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704716	
W Global ID:	W0606501096	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	ARROWLINDA	
Enforcement Type:	Not reported	
Date Leak Discovered:	7/8/1987	
Date Leak First Reported:		2/23/1994
Date Leak Record Entered:	6/2/1995	
Date Confirmation Began:	2/23/1994	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		2/22/1996
Date the Case was Closed:		12/9/1996
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	AMERICAN PERSONNEL SERVICES	
Water System:	HABONIM CAMP GILBOA	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		15336.560005882365638866238542
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		12/9/1996
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CHEVRON U.S.A. PRODUCTS CO	
RP Address:	P.O. BOX 2833, LA HABRA CA 90632-2833	
Program:	LUST	
Lat/Long:	34.1542585 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	3301096-001GEN	
Summary:	PREVIOUSLY ASSIGNED CASE #I-14849	

CHEVRON #9-5153 (Continued) **S102427282**

CORTESE:

Name:	CHEVRON #9-5153
Address:	24101 VENTURA BLVD W
City,State,Zip:	CALABASAS, CA 91302
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603704716
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	CHEVRON #9-5153
Address:	24101 VENTURA BLVD W
City,State,Zip:	CALABASAS, CA 91302
Site ID:	720258
CERS ID:	T0603704716
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507,

J44 **CHEVRON #9-4106 (FORMER)** **LUST** **S102059958**
NE **5000 PARKWAY CALABASAS** **Cortese** **N/A**
1/4-1/2 **CALABASAS, CA 91302**
0.478 mi.
2522 ft. **Site 4 of 6 in cluster J**

Relative:
Lower

Actual:
1037 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-09088	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Excavate and Dispose
Global ID:	T0603703342	
W Global ID:	W0606501096	
Staff:	JFL	
Local Agency:	19000	
Cross Street:	VENTURA BLVD	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		9/23/1983
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/17/1999
Date the Case was Closed:		4/27/1998
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	HABONIM CAMP GILBOA	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		15569.579193764836091925781407
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		4/15/1988
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		2.2
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CHEVRON USA INC	
RP Address:	PO BOX 2833, LA HABRA, 90632-2833	
Program:	LUST	
Lat/Long:	34.1547915 / -1	
Local Agency Staff:	Not reported	

CHEVRON #9-4106 (FORMER) (Continued) **S102059958**

Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	3301096-001GEN
Summary:	MONITORING WELL INSTALLATION PENDING.; 12/17/97 - 4TH QTR 1997 GW MON RPT; 03/16/98 - 1ST QTR 1998 GW MON RPT; 04/10/98 - REQUEST A FINAL SITE CLOSURE; 5/17/99 TRANSMITTAL OF WELL DESTRUCTION RPT

CORTESE:

Name:	CHEVRON #9-4106 (FORMER)
Address:	5000 PARKWAY CALABASAS
City,State,Zip:	CALABASAS, CA 91302
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603703342
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

J45 **CHEVRON #9-4106 (FORMER)** **UST FINDER RELEASE** **1028933618**
NE **5000 PARKWAY CALABASAS** **N/A**
1/4-1/2 **CALABASAS, CA 91302**
0.478 mi.
2522 ft. **Site 5 of 6 in cluster J**

Relative: **Lower**
Actual: **1037 ft.**

UST FINDER RELEASE:

Object ID:	58826
Facility ID:	Not reported
Lust ID:	CAT0603703342
Name:	CHEVRON #9-4106 (FORMER)
Address:	5000 PARKWAY CALABASAS
City,State,Zip:	CALABASAS, CA 91302
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	56
Domestic Wells within 1500ft:	0
Land Use:	Developed, Medium Intensity
Within SPA:	No
SPA PWS Facility ID:	Not reported

CHEVRON #9-4106 (FORMER) (Continued) **1028933618**

SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	No
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-118.65329
Y Coord:	34.1546200000001
Latitude:	34.15462
Longitude:	-118.653289999999

J46 **CHEVRON #9-4106 (FORMER)** **LUST** **S105022970**
NE **5000 CALABASAS** **HIST CORTESE** **N/A**
1/4-1/2 **CALABASAS, CA 91302** **CERS**
0.478 mi.
2522 ft. **Site 6 of 6 in cluster J**

Relative: **Lower**

Actual: **1037 ft.**

LUST:

Name:	CHEVRON #9-4106 (FORMER)
Address:	5000 PARKWAY CALABASAS
City,State,Zip:	CALABASAS, CA 91302
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703342
Global Id:	T0603703342
Latitude:	34.154725
Longitude:	-118.652462
Status:	Completed - Case Closed
Status Date:	04/27/1998
Case Worker:	JFL
RB Case Number:	I-09088
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Geocode
Cuf Case:	YES
Quantity Released Gallons:	Not reported
Begin Date:	09/23/1983
Leak Reported Date:	09/23/1983
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Other
Discharge Cause:	Unknown
Stop Method:	Not reported

CHEVRON #9-4106 (FORMER) (Continued) **S105022970**

Stop Description:	Not reported
No Further Action Date:	04/27/1998
CA Water Watershed Name:	Los Angeles River - San Fernando - Bull Canyon (412.21)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	21-25%
CA Enviroscreen 4 Score:	25-30%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	Not reported

LUST:

Global Id:	T0603703342
Contact Type:	Regional Board Caseworker - Primary Caseworker
Contact Name:	JOE F. LUERA
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	joe.luera@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0603703342
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

LUST:

Global Id:	T0603703342
Action Type:	Other
Date:	09/23/1983
Action:	Leak Reported

Global Id:	T0603703342
Action Type:	ENFORCEMENT
Date:	04/27/1998
Action:	Closure/No Further Action Letter

LUST:

Global Id:	T0603703342
Status:	Open - Case Begin Date
Status Date:	09/23/1983

Global Id:	T0603703342
Status:	Open - Site Assessment
Status Date:	04/15/1988

Global Id:	T0603703342
Status:	Completed - Case Closed
Status Date:	04/27/1998

CHEVRON #9-4106 (FORMER) (Continued) **S105022970**

HIST CORTESE:

edr_fname:	CHEVRON #9-4106 (FORMER)
edr_fadd1:	5000 CALABASAS
City,State,Zip:	CALABASAS, CA 91302
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-09088

CERS:

Name:	CHEVRON #9-4106 (FORMER)
Address:	5000 PARKWAY CALABASAS
City,State,Zip:	CALABASAS, CA 91302
Site ID:	720182
CERS ID:	T0603703342
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	JOE F. LUERA - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH STREET, SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507,

K47 **EXXON #7-2893** **LUST** **S101295704**
ENE **24025 CALABASAS RD W** **Cortese** **N/A**
1/4-1/2 **CALABASAS, CA 91302** **HIST CORTESE**
0.485 mi. **CERS**
2559 ft. **Site 1 of 2 in cluster K**

Relative: **Lower**
Actual: **997 ft.**

LUST:

Name:	EXXON #7-2893
Address:	24025 CALABASAS RD W
City,State,Zip:	CALABASAS, CA 91302
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705363
Global Id:	T0603705363
Latitude:	34.1531215
Longitude:	-118.6502075
Status:	Completed - Case Closed
Status Date:	01/30/2009

EXXON #7-2893 (Continued) **S101295704**

Case Worker:	DMB
RB Case Number:	R-22402
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Manual Entry on Screens
Cuf Case:	YES
Quantity Released Gallons:	Not reported
Begin Date:	04/26/1988
Leak Reported Date:	07/10/1992
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Other
Discharge Cause:	Unknown
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	01/30/2009
CA Water Watershed Name:	Los Angeles River - San Fernando - Bull Canyon (412.21)
Dwr Groundwater Subbasin Name:	San Fernando Valley (4-012)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	41-45%
CA Enviroscreen 4 Score:	45-50%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	Not reported

LUST:

Global Id:	T0603705363
Contact Type:	Regional Board Caseworker - Primary Caseworker
Contact Name:	DAVID M. BJOSTAD
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4th Street, Suite 200
City:	Los Angeles
Email:	dave.bjostad@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0603705363
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

LUST:

Global Id:	T0603705363
Action Type:	ENFORCEMENT
Date:	02/20/2002
Action:	13267 Requirement

Global Id:	T0603705363
Action Type:	ENFORCEMENT

EXXON #7-2893 (Continued) **S101295704**

Date: 10/29/2002
Action: Staff Letter

Global Id: T0603705363
Action Type: ENFORCEMENT
Date: 10/04/2005
Action: * No Action

Global Id: T0603705363
Action Type: ENFORCEMENT
Date: 01/24/2003
Action: Staff Letter

Global Id: T0603705363
Action Type: ENFORCEMENT
Date: 08/09/2007
Action: Site Visit / Inspection / Sampling

Global Id: T0603705363
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 01/15/2003
Action: Request for Closure

Global Id: T0603705363
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: ENFORCEMENT
Date: 06/30/2006
Action: Verbal Communication

Global Id: T0603705363
Action Type: ENFORCEMENT
Date: 10/12/2007
Action: Staff Letter

Global Id: T0603705363
Action Type: Other
Date: 07/10/1992
Action: Leak Reported

EXXON #7-2893 (Continued) **S101295704**

Global Id: T0603705363
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 02/28/2003
Action: Well Installation Report

Global Id: T0603705363
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: ENFORCEMENT
Date: 08/02/2005
Action: Staff Letter

Global Id: T0603705363
Action Type: ENFORCEMENT
Date: 07/27/2005
Action: Site Visit / Inspection / Sampling

Global Id: T0603705363
Action Type: ENFORCEMENT
Date: 01/30/2009
Action: Closure/No Further Action Letter

Global Id: T0603705363
Action Type: ENFORCEMENT
Date: 01/16/2009
Action: Notification - Preclosure

Global Id: T0603705363
Action Type: RESPONSE

EXXON #7-2893 (Continued) **S101295704**

Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 12/21/2004
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603705363
Action Type: RESPONSE
Date: 06/27/2005
Action: Request for Closure

Global Id: T0603705363
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 02/12/1996
Action: Tank Removal Report / UST Sampling Report

Global Id: T0603705363
Action Type: ENFORCEMENT
Date: 07/03/2008
Action: Verbal Enforcement

Global Id: T0603705363
Action Type: ENFORCEMENT
Date: 07/01/2008
Action: Meeting

Global Id: T0603705363
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 02/28/2008
Action: Soil and Water Investigation Report

Global Id: T0603705363
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

EXXON #7-2893 (Continued) **S101295704**

Global Id: T0603705363
Action Type: RESPONSE
Date: 06/01/2007
Action: Request for Closure

Global Id: T0603705363
Action Type: RESPONSE
Date: 06/28/2006
Action: Request for Closure

Global Id: T0603705363
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: REMEDIATION
Date: 11/07/1995
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0603705363
Action Type: REMEDIATION
Date: 08/10/2004
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0603705363
Action Type: REMEDIATION
Date: 10/04/2005
Action: Pump & Treat (P&T) Groundwater

Global Id: T0603705363
Action Type: REMEDIATION
Date: 11/07/1995
Action: Soil Vapor Extraction (SVE)

Global Id: T0603705363
Action Type: ENFORCEMENT
Date: 03/25/2003
Action: Staff Letter

Global Id: T0603705363
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE

EXXON #7-2893 (Continued) **S101295704**

Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603705363
Action Type: RESPONSE
Date: 05/06/2008
Action: Request for Closure

LUST:
Global Id: T0603705363
Status: Open - Case Begin Date
Status Date: 04/26/1988

Global Id: T0603705363
Status: Open - Site Assessment
Status Date: 04/26/1988

Global Id: T0603705363
Status: Open - Site Assessment
Status Date: 07/27/1989

Global Id: T0603705363
Status: Open - Site Assessment
Status Date: 03/23/1992

Global Id: T0603705363
Status: Open - Site Assessment
Status Date: 01/26/1994

Global Id: T0603705363
Status: Open - Site Assessment
Status Date: 10/11/1994

EXXON #7-2893 (Continued) **S101295704**

Global Id: T0603705363
Status: Open - Remediation
Status Date: 11/07/1995

Global Id: T0603705363
Status: Open - Site Assessment
Status Date: 07/08/1997

Global Id: T0603705363
Status: Open - Site Assessment
Status Date: 08/01/1999

Global Id: T0603705363
Status: Open - Remediation
Status Date: 10/31/2006

Global Id: T0603705363
Status: Completed - Case Closed
Status Date: 01/30/2009

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-22402
Status: Remedial action (cleanup) Underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603705363
W Global ID: W0606501096
Staff: WXT
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: DLSEL
Date Leak Discovered: Not reported
Date Leak First Reported: 7/10/1992
Date Leak Record Entered: 7/23/1992
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 7/11/2002
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: HABONIM CAMP GILBOA
Well Name: Not reported
Approx. Dist To Production Well (ft): 14940.391974519437646699597778
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 7/8/1997

EXXON #7-2893 (Continued) **S101295704**

Remediation Plan Submitted: 11/28/1994
Remedial Action Underway: 1/17/2002
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 4/3/1998
Hist Max MTBE Conc in Groundwater: 18000
Hist Max MTBE Conc in Soil: 2.1
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: ND
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MR. JAMES LEIST
RP Address: 3700 W. 190TH ST., BUILDING TPT 2
Program: LUST
Lat/Long: 34.1531215 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 3301096-001GEN
Summary: 2/1/01 NOTIFICATION OF SHUTDOWN OF THE AS/SVE SYSTEM; 3/30/01 1ST QTR GW MON RPT 2001

CORTESE:
Name: EXXON #7-2893
Address: 24025 CALABASAS RD W
City,State,Zip: CALABASAS, CA 91302
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603705363
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: EXXON #7-2893
edr_fadd1: 24025 CALABASAS
City,State,Zip: CALABASAS, CA 91302
Region: CORTESE

EXXON #7-2893 (Continued) **S101295704**

Facility County Code: 19
Reg By: LTNKA
Reg Id: R-22402

CERS:
Name: EXXON #7-2893
Address: 24025 CALABASAS RD W
City,State,Zip: CALABASAS, CA 91302
Site ID: 729154
CERS ID: T0603705363
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: DAVID M. BJOSTAD - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4th Street, Suite 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

K48 **EXXON #7-2893** **UST FINDER RELEASE** **1028954153**
ENE **24025 CALABASAS RD W** **N/A**
1/4-1/2 **CALABASAS, CA 91302**
0.485 mi.
2559 ft. **Site 2 of 2 in cluster K**

Relative:
Lower

Actual:
997 ft.

UST FINDER RELEASE:
Object ID: 58831
Facility ID: Not reported
Lust ID: CAT0603705363
Name: EXXON #7-2893
Address: 24025 CALABASAS RD W
City,State,Zip: CALABASAS, CA 91302
Address Match Type: PointAddress
Reported Date: Not reported
Status: No Further Action
Substance: Not reported
Population within 1500ft: 61
Domestic Wells within 1500ft: 0
Land Use: Developed, Medium Intensity
Within SPA: No
SPA PWS Facility ID: Not reported
SPA Water Type: Not reported
SPA Facility Type: Not reported

EXXON #7-2893 (Continued) **1028954153**

SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	No
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-118.65094
Y Coord:	34.1526000000001
Latitude:	34.1526
Longitude:	-118.65094

49
NE
1/2-1
0.610 mi.
3221 ft.

Relative:
Lower

Actual:
967 ft.

RANTEC MICROWAVE & ELECTRONICS, INC.
24003 VENTURA BOULEVARD
CALABASAS, CA 91302

ENVIROSTOR
CPS-SLIC
EMI
Notify 65
WDS
CIWQS
CERS

S100943244
N/A

ENVIROSTOR:

Name:	RANTEC MICROWAVE & ELECTRONICS, INC.
Address:	24003 VENTURA BOULEVARD
City,State,Zip:	CALABASAS, CA 91302
Facility ID:	71002145
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	42
Senate:	24
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.15469
Longitude:	-118.6503
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED

RANTEC MICROWAVE & ELECTRONICS, INC. (Continued) **S100943244**

Alias Name: CAD006493613
Alias Type: EPA Identification Number
Alias Name: 110000830940
Alias Type: EPA (FRS #)
Alias Name: 71002145
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: RANTEC MICROWAVE SYSTEMS, INC. (FORMER)
Address: 24003 VENTURA BOULEVARD
City,State,Zip: CALABASAS, CA 91302
Region: STATE
Facility Status: **Open - Remediation**
Status Date: 05/19/2021
Global Id: T10000004899
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.1545354
Longitude: -118.6507374
Case Type: Cleanup Program Site
Case Worker: EN
Local Agency: Not reported
RB Case Number: 1298
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Indoor Air, Soil, Soil Vapor
Potential Contaminants of Concern: Tetrachloroethylene (PCE), Trichloroethylene (TCE), Total Petroleum Hydrocarbons (TPH)
EPA Region: 9
Coordinate Source: Not reported
Cuf Case: NO
Quantity Released Gallons: Not reported
Begin Date: 06/27/2013
Leak Reported Date: Not reported
How Discovered: Not reported
How Discovered Description: Not reported
Discharge Source: Not reported
Discharge Cause: Not reported
Stop Method: Not reported
Stop Description: Not reported
No Further Action Date: Not reported

RANTEC MICROWAVE & ELECTRONICS, INC. (Continued) **S100943244**

CA Water Watershed Name:	Los Angeles River - San Fernando - Bull Canyon (412.21)
Dwr Groundwater Subbasin Name:	San Fernando Valley (4-012)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	21-25%
CA Enviroscreen 4 Score:	25-30%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	The former Rantec Microwave Systems, Inc historically utilized microwave communications antennae-manufacturing facility that stored hazardous materials and waste. Plating and dip brazing were conducted at the facility, where generated industrial wastes were discharged into cesspools that were connected to various leach pits at the Site. Clarifiers, spray booths, and wastewater pre-treatment equipment were also identified at the site.

Click here to access the California GeoTracker records for this facility:

EMI:

Name:	RANTEC INC, DIV EMERSON ELECTR
Address:	24003 VENTURA BL
City,State,Zip:	CALABASAS, CA 913020000
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	16206
Air District Name:	SC
SIC Code:	3679
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	RANTEC INC, DIV EMERSON ELECTR
Address:	24003 VENTURA BL
City,State,Zip:	CALABASAS, CA 913020000
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	16206
Air District Name:	SC
SIC Code:	3369
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

RANTEC MICROWAVE & ELECTRONICS, INC. (Continued) **S100943244**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name:	RANTEC MICROWAVE & ELECTRONICS
Address:	24003 VENTURA BL
City,State,Zip:	CALABASAS, CA 913020000
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	16206
Air District Name:	SC
SIC Code:	3674
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	13
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	RANTEC MICROWAVE & ELECTRONICS
Address:	24003 VENTURA BLVD
City,State,Zip:	CALABASAS, CA 913020000
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	16206
Air District Name:	SC
SIC Code:	3674
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	RANTEC MICROWAVE & ELECTRONICS
Address:	24003 VENTURA BL
City,State,Zip:	CALABASAS, CA 913020000
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	16206
Air District Name:	SC
SIC Code:	3674
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0

RANTEC MICROWAVE & ELECTRONICS, INC. (Continued) **S100943244**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	RANTEC MICROWAVE & ELECTRONICS
Address:	24003 VENTURA BL
City,State,Zip:	CALABASAS, CA 913020000
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	16206
Air District Name:	SC
SIC Code:	3674
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	RANTEC MICROWAVE & ELECTRONICS
Address:	24003 VENTURA BL
City,State,Zip:	CALABASAS, CA 913020000
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	16206
Air District Name:	SC
SIC Code:	3674
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	RANTEC MICROWAVE & ELECTRONICS
Address:	24003 VENTURA BL
City,State,Zip:	CALABASAS, CA 913020000
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	16206
Air District Name:	SC
SIC Code:	3674
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

RANTEC MICROWAVE & ELECTRONICS, INC. (Continued) **S100943244**

Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: RANTEC MICROWAVE & ELECTRONICS
Address: 24003 VENTURA BL
City,State,Zip: CALABASAS, CA 913020000
Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 16206
Air District Name: SC
SIC Code: 3674
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: RANTEC MICROWAVE SYSTEM, INC,
Address: 24003 VENTURA BLVD
City,State,Zip: CALABASAS, CA 913020000
Year: 2005
County Code: 19
Air Basin: SC
Facility ID: 127505
Air District Name: SC
SIC Code: 3812
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .13609
Reactive Organic Gases Tons/Yr: .134240688
Carbon Monoxide Emissions Tons/Yr: .04841
NOX - Oxides of Nitrogen Tons/Yr: .05934
SOX - Oxides of Sulphur Tons/Yr: .000375
Particulate Matter Tons/Yr: .00452
Part. Matter 10 Micrometers and Smllr Tons/Yr: .00451504

NOTIFY 65:
Name: RANTEC MICROWAVE SYSTEMS, INC. (FORMER)
Address: 24003 VENTURA BOULEVARD
City,State,Zip: CALABASAS, CA 91302
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: CLEANUP PROGRAM SITE
Discharge Date: Not reported

RANTEC MICROWAVE & ELECTRONICS, INC. (Continued) **S100943244**

Issue Date: 06/04/2021
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

WDS:
Name: RANTEC MICROWAVE SYSTEM INC
Address: 24003 Ventura Blvd
City: CALABASAS
Facility ID: 4 19I016535
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 8192235000
Facility Contact: Randy Belyeu
Agency Name: RANTEC MICROWAVE SYSTEM INC
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Private
SIC Code: 3679
SIC Code 2: Not reported
Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Primary Waste: STORMS
Waste Type2: Not reported
Waste2: Stormwater Runoff
Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as

RANTEC MICROWAVE & ELECTRONICS, INC. (Continued) **S100943244**

dairy waste ponds.

CIWQS:

Name:	RANTEC MICROWAVE SYSTEMS INC
Address:	24003 VENTURA
City,State,Zip:	CALABASAS, CA 91302
Agency:	Rantec Microwave System Inc
Agency Address:	24003 Ventura Blvd, Calabasas, CA 91302
Place/Project Type:	Industrial - Electronic Components, NEC
SIC/NAICS:	3679
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I016535
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	05/21/2001
Termination Date:	06/13/2013
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.15488
Longitude:	-118.65013

Name:	RANTEC MICROWAVE & ELECTRONICS
Address:	24003 VENTURA BLVD
City,State,Zip:	CALABASAS, CA 91302
Agency:	Rantec Microwave System Inc
Agency Address:	24003 Ventura Blvd, Calabasas, CA 91302
Place/Project Type:	Industrial - Electronic Components, NEC
SIC/NAICS:	3679
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I002356
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/31/1992
Termination Date:	07/26/2001
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.15488
Longitude:	-118.65013

RANTEC MICROWAVE & ELECTRONICS, INC. (Continued) **S100943244**

CERS:
Name: RANTEC MICROWAVE SYSTEMS, INC. (FORMER)
Address: 24003 VENTURA BOULEVARD
City,State,Zip: CALABASAS, CA 91302
Site ID: 755537
CERS ID: T10000004899
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ERIC NELSON - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: SRWQCB Region 4
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766713,

Name: RANTEC MICROWAVE SYSTEM, INC,
Address: 24003 VENTURA BLVD
City,State,Zip: CALABASAS, CA 91302
Site ID: 489312
CERS ID: 110000830940
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Public Contact
Entity Name: JERRALL KENNEDY
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: JIM SOPER
Entity Title: FACILITIES MANAGER
Affiliation Address: 24003 VENTURA BLVD
Affiliation City: CALABASAS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: RON D BELYELL
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Count: 2 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CALABASAS	S117696543	CALABASAS THE OAKS OF CALABASAS	PRADO DE LAS FRESAS & WEST OF	91302	NPDES, CIWQS
MONTE NIDO	S102433509	MOBIL	PARKWAY CALABASAS	91302	LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 05/01/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 05/01/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 05/01/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2023
Date Data Arrived at EDR: 12/20/2023
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/26/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/22/2024
Date Data Arrived at EDR: 05/01/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/01/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/22/2024
Date Data Arrived at EDR: 05/01/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/01/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/14/2024
Date Data Arrived at EDR: 02/16/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 48

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

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

Date of Government Version: 01/22/2024
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 01/22/2024
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/06/2024
Date Made Active in Reports: 04/26/2024
Number of Days to Update: 80

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/07/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/04/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 11/16/2023
Date Data Arrived at EDR: 11/16/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 89
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 11/28/2023
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 89
Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/17/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/18/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 01/22/2024
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/13/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 03/07/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/11/2024
Date Data Arrived at EDR: 03/12/2024
Date Made Active in Reports: 05/10/2024
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/12/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 04/19/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/28/2024
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 04/04/2024
Date Data Arrived at EDR: 04/05/2024
Date Made Active in Reports: 04/15/2024
Number of Days to Update: 10

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/22/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/19/2024
Next Scheduled EDR Contact: 08/04/2024
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/22/2024
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 09/28/2023
Date Made Active in Reports: 12/18/2023
Number of Days to Update: 81

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

CERS HAZ WASTE: California Environmental Reporting System Hazardous Waste

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 78

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 02/01/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 04/24/2024
Number of Days to Update: 83

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/26/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/15/2024
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/01/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/26/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/14/2024
Number of Days to Update: 77

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/20/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/09/2024
Number of Days to Update: 77

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/30/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/11/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/11/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/13/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 04/29/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/14/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 86
Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/16/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 70
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 05/01/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2024
Date Data Arrived at EDR: 02/08/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/01/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 57

Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/28/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/28/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/25/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/23/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/11/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 5

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/26/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/16/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/01/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/23/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 11/28/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 12

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/15/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/09/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 87

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/08/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/17/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/12/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 04/22/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data
The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing
A listing of PFAS sites included in the Envirostor and GeoTracker databases. Locations of potential sources of per - and polyfluoroalkyl substances (PFAS). This does not mean that PFAS has been produced, used, or discharged at these sites.

Date of Government Version: 11/30/2023
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 02/26/2024
Number of Days to Update: 88

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing
Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/28/2024
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CHROME PLATING: Chrome Plating Facilities Listing

This listing represents chrome plating facilities the California State Water Resources Control Board staff identified as possibly being a source of Per- and polyfluoroalkyl substance (PFAS) contamination. Sites and locations were identified by staff with the Division of Water Quality in the California State Water Board. Data was collected from the CA Air Resources Board 2013 and 2018 - Cr VI emission survey, CA Emission Inventory, CA HAZ Waste discharge database and by reviewing storm water permits. Former chrome plating sites are also included that are open site investigation or remediation cases with the Regional Water Quality Control Boards and the Department of Toxic Substances Control.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/28/2024
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/13/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 03/07/2024
Number of Days to Update: 85

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 02/14/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 05/08/2024
Number of Days to Update: 77

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

DRYCLEAN GLENN CO DIST: Glenn County Air Pollution Control District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Glenn County Air Pollution Control District.

Date of Government Version: 01/08/2024
Date Data Arrived at EDR: 01/10/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 77

Source: Glenn County Air Pollution Control District
Telephone: 530-934-6500
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO SONOMA CO DIST: Norther Sonoma County County Air Pollution Control District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Northern Sonoma County Air Pollution Control District.,

Date of Government Version: 01/05/2024
Date Data Arrived at EDR: 01/10/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 77

Source: Santa Barbara County Air Pollution Control District
Telephone: 707-433-5911
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SACRAMENTO METO DIST: Sacramento Metropolitan Air Quality Management DistrictDrycleaner Facility Listing

A listing of drycleaner facility locations, for the Sacramento Metropolitan Air Quality Management District.

Date of Government Version: 01/03/2024
Date Data Arrived at EDR: 01/10/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 77

Source: Sacramento Metropolitan Air Quality Management District
Telephone: 916-874-3958
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN FEATHER RIVER DIST: Feather River Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Feather River Air Quality Management District.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 06/05/2023
Number of Days to Update: 88
Source: Feather River Air Quality Management District
Telephone: 530-634-7659
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN DIEGO CO DIST: San Diego County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Diego County Air Pollution Control District.

Date of Government Version: 03/19/2024
Date Data Arrived at EDR: 03/21/2024
Date Made Active in Reports: 04/12/2024
Number of Days to Update: 22
Source: San Diego County Air Pollution Control District
Telephone: 858-586-2616
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 04/02/2024
Date Data Arrived at EDR: 04/05/2024
Date Made Active in Reports: 04/15/2024
Number of Days to Update: 10
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Annually

DRYCLEAN GRANT: Grant Recipients List
Assembly Bill 998 (AB 998) established the Non-Toxic Dry Cleaning Incentive Program to provide financial assistance to the dry cleaning industry to switch from systems using perchloroethylene (Perc), an identified toxic air contaminant and potential human carcinogen, to non-toxic and non-smog forming alternatives.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 01/26/2024
Date Made Active in Reports: 04/16/2024
Number of Days to Update: 81
Source: California Air Resources Board
Telephone: 916-323-0006
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

DRYCLEAN LAKE CO DIST: Lake County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Lake County Air Quality Management District,

Date of Government Version: 02/15/2024
Date Data Arrived at EDR: 02/16/2024
Date Made Active in Reports: 05/02/2024
Number of Days to Update: 76
Source: Lake County Air Quality Management District
Telephone: 707-263-7000
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/26/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/15/2024
Number of Days to Update: 78
Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

DRYCLEAN MENDO CO DIST: Mendocino County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mendocino County Air Quality Management District.

Date of Government Version: 02/26/2024
Date Data Arrived at EDR: 02/28/2024
Date Made Active in Reports: 05/15/2024
Number of Days to Update: 77
Source: Mendocino County Air Quality Management District
Telephone: 707-463-4354
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN EAST KERN DIST: Eastern Kern Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Eastern Kern Air Pollution Control District.

Date of Government Version: 01/12/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79
Source: Eastern Kern Air Pollution Control District
Telephone: 661-862-9684
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN IMPERIAL CO DIST: Imperial County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Imperial County Air Pollution Control District

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79
Source: Imperial County Air Pollution Control District
Telephone: 442-265-1800
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN YOLO-SOLANO DIST: Yolo-Solano Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Yolo-Solano Air Quality Management District.

Date of Government Version: 01/04/2024
Date Data Arrived at EDR: 01/05/2024
Date Made Active in Reports: 03/20/2024
Number of Days to Update: 75
Source: Yolo-Solano Air Quality Management District
Telephone: 530-757-3650
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SHASTA CO DIST: Shasta County Air Quality Management District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Shasta County Air Quality Management District.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78
Source: Shasta County Air Quality Management District
Telephone: 530-225-5674
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MONTEREY BAY DIST: Monterey Bay Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Monterey Bay Air Quality Management District.

Date of Government Version: 01/03/2024
Date Data Arrived at EDR: 01/05/2024
Date Made Active in Reports: 03/20/2024
Number of Days to Update: 75
Source: Monterey Bay Air Quality Management District
Telephone: 831-647-9411
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN LUIS OB CO DIST: San Luis Obispo County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Luis Obispo County Air Pollution Control District.

Date of Government Version: 01/03/2024
Date Data Arrived at EDR: 01/04/2024
Date Made Active in Reports: 03/20/2024
Number of Days to Update: 76
Source: San Luis Obispo County Air Pollution Control District
Telephone: 805-781-5756
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN PLACER CO DIST: Placer County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Placer County Air Quality Management District.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 89

Source: Placer County Air Quality Management District
Telephone: 530-745-2335
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN JOAQ VAL DIST: San Joaquin Valley Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Joaquin Valley Air Pollution Control District.

Date of Government Version: 01/04/2024
Date Data Arrived at EDR: 01/04/2024
Date Made Active in Reports: 03/21/2024
Number of Days to Update: 77

Source: San Joaquin Valley Air Pollution Control District
Telephone: 559-230-6001
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BAY AREA DIST: Bay Area Air Quality Management District Drycleaner Facility Listing
Bay Area Air Quality Management District Drycleaner Facility Listing.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1432

Source: Bay Area Air Quality Management District
Telephone: 415-516-1916
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN CALAVERAS CO DIST: Calaveras County Environmental Management Agency Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Calaveras County Environmental Management Agency.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1412

Source: Calaveras County Environmental Management Agency
Telephone: 209-754-6399
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN NO COAST UNIFIED DIST: North Coast Unified Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the North Coast Unified Air Quality Management District.

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473

Source: North Coast Unified Air Quality Management District
Telephone: 707-443-3093
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO SIERRA DIST: Northern Sierra Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sierra Air Quality Management District,

Date of Government Version: 05/07/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455

Source: Northern Sierra Air Quality Management District
Telephone: 530-274-9350
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SANTA BARB CO DIST: Santa Barbara County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Santa Barbara County Air Pollution Control District.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475

Source: Santa Barbara County Air Pollution Control District
Telephone: 805-961-8867
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN TEHAMA CO DIST: Tehama County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Tehama County Air Pollution Control District.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1468
Source: Tehama County Air Pollution Control District
Telephone: 530-527-3717
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN VENTURA CO DIST: Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Ventura County Air Pollution Control District.

Date of Government Version: 01/04/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 02/08/2024
Number of Days to Update: 23
Source: Ventura County Air Pollution Control District
Telephone: 805-645-1421
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN AMADOR: Amador Air District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Amador Air Quality Management District

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77
Source: Amador Air Quality Management District
Telephone: 209-257-0112
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 02/20/2024
Date Data Arrived at EDR: 02/22/2024
Date Made Active in Reports: 05/08/2024
Number of Days to Update: 76
Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

DRYCLEAN MOJAVE DESERT DIST: Mojave Desert Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mojave Desert Air Quality Management District.

Date of Government Version: 04/15/2024
Date Data Arrived at EDR: 04/17/2024
Date Made Active in Reports: 04/24/2024
Number of Days to Update: 7
Source: Mojave Desert Air Quality Management District
Telephone: 760-245-1661
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BUTTE CO DIST: Butte County Air Quality Management DistrictDrycleaner Facility Listing
Butte County Air Quality Management DistrictDrycleaner Facility Listing.

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 10/18/2023
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 90
Source: Butte County Air Quality Management District
Telephone: 530-332-9400
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 06/09/2023
Date Made Active in Reports: 08/30/2023
Number of Days to Update: 82
Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/14/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 78

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

FIN ASSURANCE 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/11/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

FIN ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/07/2024
Date Data Arrived at EDR: 02/28/2024
Date Made Active in Reports: 05/15/2024
Number of Days to Update: 77

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

ICE: Inspection, Compliance and Enforcement

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/07/2024
Date Data Arrived at EDR: 02/07/2024
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 0

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/07/2024
Date Data Arrived at EDR: 02/07/2024
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 0

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/21/2024
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Quarterly

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 01/26/2024
Date Data Arrived at EDR: 01/30/2024
Date Made Active in Reports: 04/17/2024
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/21/2024
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Annually

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/28/2024
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/23/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/16/2024
Number of Days to Update: 79

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/06/2024
Date Made Active in Reports: 04/25/2024
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/07/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 02/26/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/17/2024
Number of Days to Update: 80

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/28/2024
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/06/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 02/29/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Annually

SANTA CRUZ CO SITE MITI: Site Mitigation Listing

Sites may become contaminated with toxic chemicals through illegal dumping or disposal, from leaking underground storage tanks, or through industrial or commercial activities.The goal of the site mitigation program is to protect the public health and the environment while facilitating completion of contaminated site clean-up projects in a timely manner.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 20

Source: Santa Cruz Environmental Health Services
Telephone: 831-454-2761
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/28/2024
Number of Days to Update: 84

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/15/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/28/2024
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 02/26/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/14/2024
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 03/05/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 05/08/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 05/08/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 12/26/2023
Date Made Active in Reports: 03/19/2024
Number of Days to Update: 84

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/18/2023
Date Data Arrived at EDR: 12/18/2023
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 86

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/15/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 01/19/2024
Date Data Arrived at EDR: 01/24/2024
Date Made Active in Reports: 04/09/2024
Number of Days to Update: 76

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/19/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/08/2024
Date Made Active in Reports: 04/26/2024
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/19/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 04/19/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/17/2024
Date Data Arrived at EDR: 01/18/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 76

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/30/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 04/25/2024
Date Data Arrived at EDR: 05/01/2024
Date Made Active in Reports: 05/08/2024
Number of Days to Update: 7

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/08/2024
Date Made Active in Reports: 04/26/2024
Number of Days to Update: 78

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/08/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/18/2024
Date Made Active in Reports: 03/26/2024
Number of Days to Update: 68

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/09/2024
Date Data Arrived at EDR: 01/10/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 77

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/09/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/13/2023
Date Data Arrived at EDR: 07/13/2023
Date Made Active in Reports: 09/27/2023
Number of Days to Update: 76

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/11/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 12/01/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 12/14/2023
Number of Days to Update: 1

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 12/01/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 03/07/2024
Number of Days to Update: 85
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 07/11/2023
Date Data Arrived at EDR: 10/17/2023
Date Made Active in Reports: 01/09/2024
Number of Days to Update: 84
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/18/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 42
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72
Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/22/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/15/2023
Date Data Arrived at EDR: 11/20/2023
Date Made Active in Reports: 02/15/2024
Number of Days to Update: 87

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/08/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 03/22/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/31/2023
Date Data Arrived at EDR: 11/03/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 81

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 10/10/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 10/10/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 10/10/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 02/28/2024
Date Data Arrived at EDR: 02/28/2024
Date Made Active in Reports: 05/16/2024
Number of Days to Update: 78
Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64
Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/04/2024
Date Data Arrived at EDR: 01/04/2024
Date Made Active in Reports: 03/29/2024
Number of Days to Update: 85
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/04/2024
Date Data Arrived at EDR: 01/04/2024
Date Made Active in Reports: 03/21/2024
Number of Days to Update: 77
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/25/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/25/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 01/17/2024
Date Data Arrived at EDR: 01/18/2024
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 8

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/14/2024
Date Made Active in Reports: 05/02/2024
Number of Days to Update: 78

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/16/2024
Date Data Arrived at EDR: 05/22/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 2

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2023
Date Data Arrived at EDR: 01/31/2024
Date Made Active in Reports: 04/17/2024
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 02/01/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 04/24/2024
Number of Days to Update: 83
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/01/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 04/24/2024
Number of Days to Update: 83
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 01/15/2024
Date Data Arrived at EDR: 01/18/2024
Date Made Active in Reports: 04/05/2024
Number of Days to Update: 78
Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/14/2024
Date Data Arrived at EDR: 02/14/2024
Date Made Active in Reports: 05/02/2024
Number of Days to Update: 78

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/21/2024
Date Data Arrived at EDR: 02/22/2024
Date Made Active in Reports: 05/08/2024
Number of Days to Update: 76

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/15/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/15/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2023
Date Data Arrived at EDR: 08/24/2023
Date Made Active in Reports: 09/12/2023
Number of Days to Update: 19

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 12/05/2023
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 27

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/17/2024
Date Data Arrived at EDR: 01/18/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 01/24/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 75

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/22/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/09/2024
Number of Days to Update: 77

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/28/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 02/26/2024
Number of Days to Update: 89
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/18/2023
Date Data Arrived at EDR: 12/26/2023
Date Made Active in Reports: 03/19/2024
Number of Days to Update: 84
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/22/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/22/2024
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 76
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 04/19/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/06/2024
Date Made Active in Reports: 04/25/2024
Number of Days to Update: 79
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/07/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/08/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/13/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

24460 CALABASAS ROAD
24460 CALABASAS ROAD
CALABASAS, CA 91302

TARGET PROPERTY COORDINATES

Latitude (North):	34.148646 - 34° 8' 55.13''
Longitude (West):	118.659608 - 118° 39' 34.59''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	346994.8
UTM Y (Meters):	3779687.0
Elevation:	1168 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50005740 CALABASAS, CA
Version Date:	2022

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

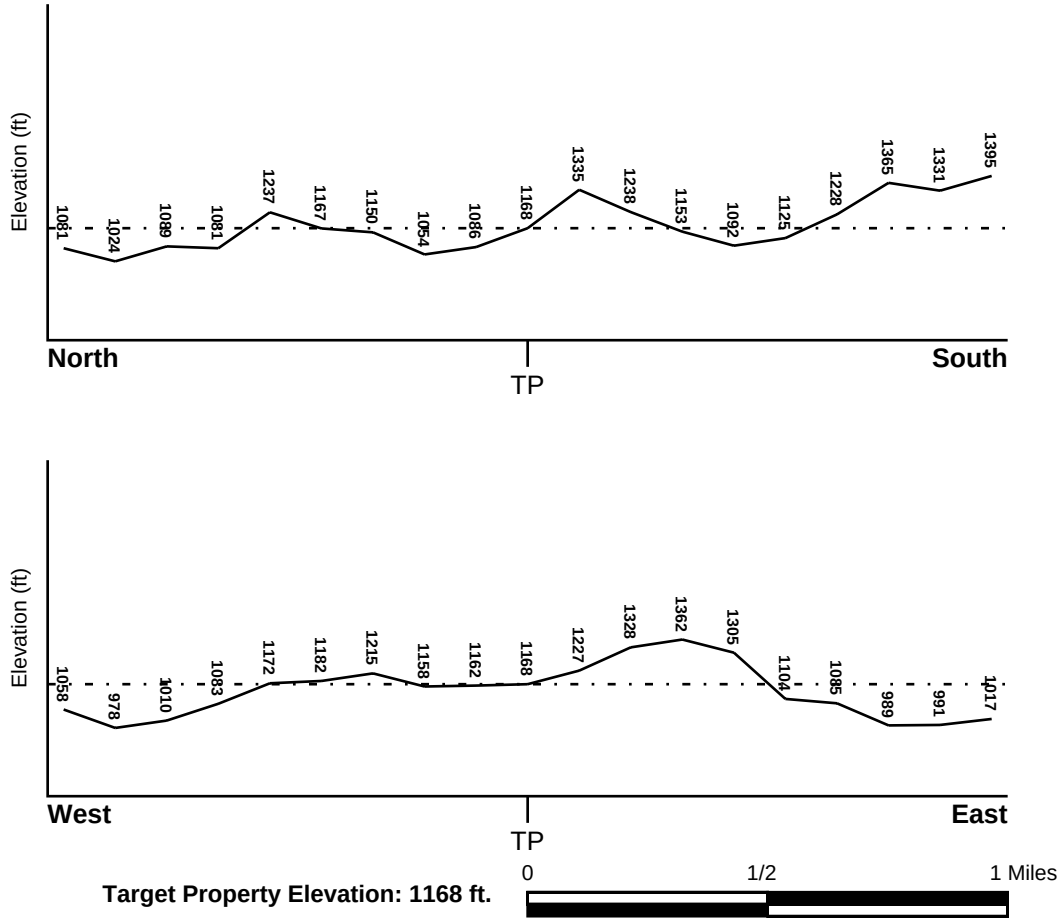
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1268F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1266F	FEMA FIRM Flood data
06037C1267F	FEMA FIRM Flood data
06037C1269F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CALABASAS	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
8	1/2 - 1 Mile SSE	SSW
1G	1/2 - 1 Mile SSE	SSW

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

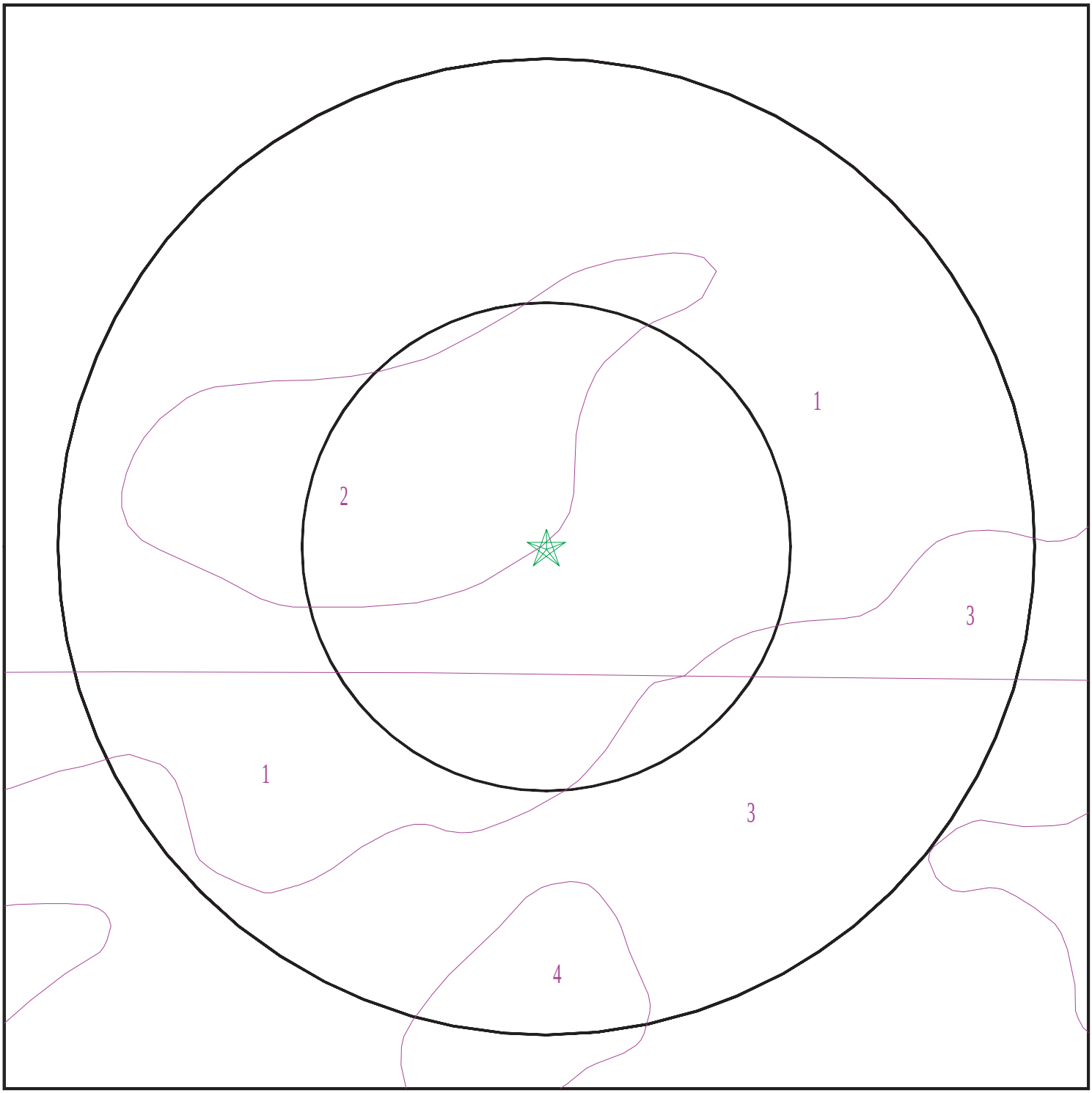
Era:	Cenozoic
System:	Tertiary
Series:	Miocene
Code:	Tm *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7666271.2s



SITE NAME:	24460 Calabasas Road	CLIENT:	Citadel EHS
ADDRESS:	24460 Calabasas Road Calabasas CA 91302	CONTACT:	Kyle Johnston
		INQUIRY #:	7666271.2s
LAT/LONG:	34.148646 / 118.659608	DATE:	May 29, 2024 5:56 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Balcom

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	15 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.06 Min: 0	Max: Min:
2	15 inches	36 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.06 Min: 0	Max: Min:
3	36 inches	36 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.06 Min: 0	Max: Min:

Soil Map ID: 2

Soil Component Name: Conejo

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	35 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
2	35 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Map ID: 3

Soil Component Name: Xerorthents

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.06 Min: 0	Max: Min:
2	3 inches	51 inches	loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.06 Min: 0	Max: Min:
3	51 inches	51 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.06 Min: 0	Max: Min:

Soil Map ID: 4

Soil Component Name: Xerorthents

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.06 Min: 0	Max: Min:
2	3 inches	51 inches	loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.06 Min: 0	Max: Min:
3	51 inches	51 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.06 Min: 0	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

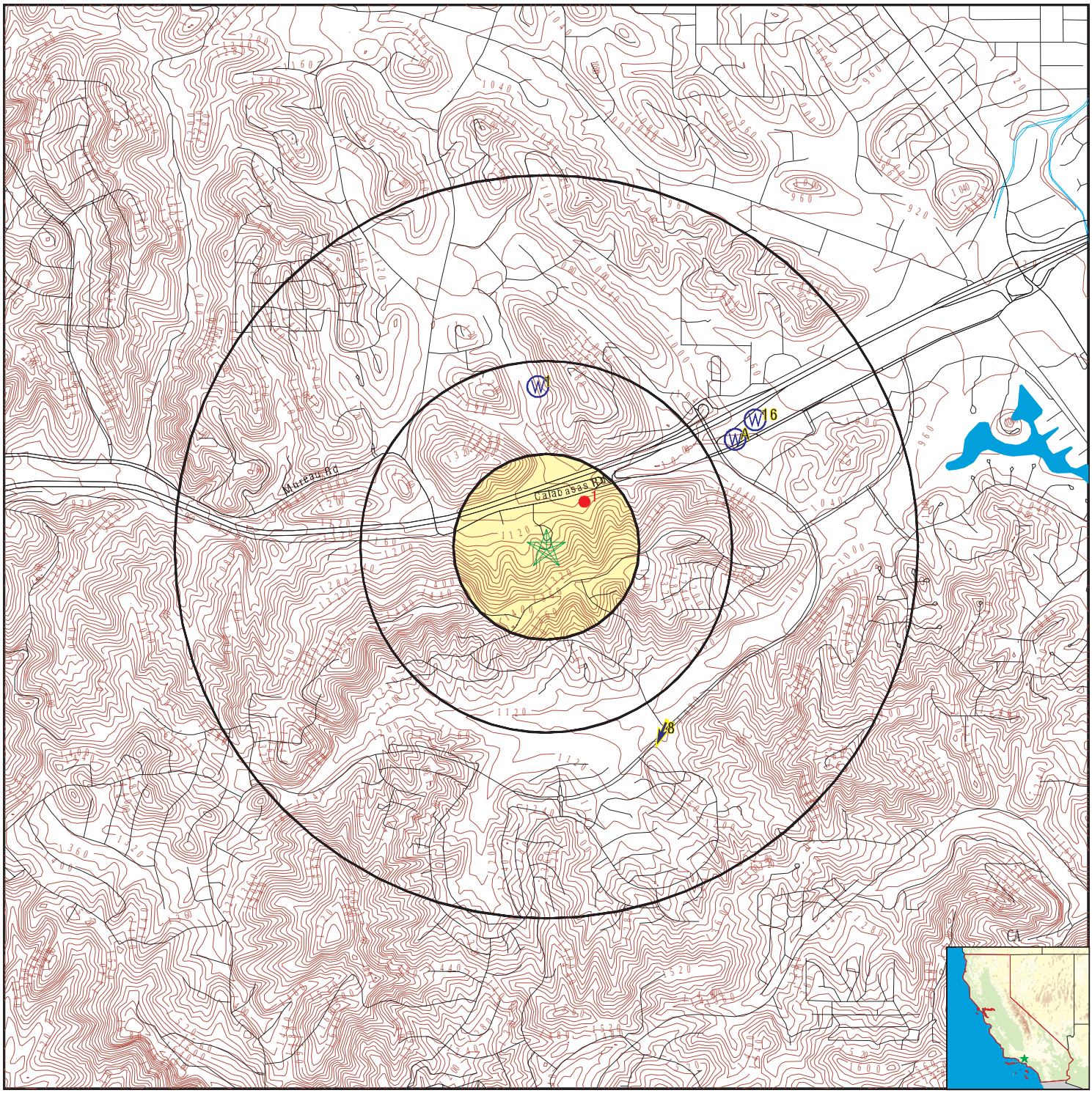
MAP ID	WELL ID	LOCATION FROM TP
1	CADWR0000023132	1/4 - 1/2 Mile North
A2	CAEDF0000034345	1/2 - 1 Mile ENE
A3	CAEDF0000083258	1/2 - 1 Mile ENE
A4	CAEDF0000142786	1/2 - 1 Mile ENE
A5	CAEDF0000139487	1/2 - 1 Mile ENE
A6	CAEDF0000067328	1/2 - 1 Mile ENE
A7	CAEDF0000108390	1/2 - 1 Mile ENE
A9	CAEDF0000082740	1/2 - 1 Mile ENE
A10	CAEDF0000014130	1/2 - 1 Mile ENE
A11	CAEDF0000088710	1/2 - 1 Mile ENE
A12	CAEDF0000019101	1/2 - 1 Mile ENE
A13	CAEDF0000060413	1/2 - 1 Mile ENE
A14	CAEDF0000065382	1/2 - 1 Mile ENE
A15	CAEDF0000056925	1/2 - 1 Mile ENE
16	CAEDF0000135894	1/2 - 1 Mile ENE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG17000005000	1/8 - 1/4 Mile NE

PHYSICAL SETTING SOURCE MAP - 7666271.2s



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	24460 Calabasas Road	CLIENT:	Citadel EHS
ADDRESS:	24460 Calabasas Road Calabasas CA 91302	CONTACT:	Kyle Johnston
		INQUIRY #:	7666271.2s
LAT/LONG:	34.148646 / 118.659608	DATE:	May 29, 2024 5:56 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
North
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000023132**

Well ID:	01N17W21J001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01N17W21J001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01N17W21J001S&store_num=		
GeoTracker Data:	Not Reported		

A2
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000034345**

Well ID:	T0603705363-EA2	Well Type:	MONITORING
Source:	EDF	Other Name:	EA2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705363&assigned_name=EA2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705363&assigned_name=EA2		

A3
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000083258**

Well ID:	T0603705363-EA1	Well Type:	MONITORING
Source:	EDF	Other Name:	EA1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705363&assigned_name=EA1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705363&assigned_name=EA1		

A4
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000142786**

Well ID:	T0603705363-EA3	Well Type:	MONITORING
Source:	EDF	Other Name:	EA3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705363&assigned_name=EA3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705363&assigned_name=EA3		

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
A5 **ENE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000139487**

Well ID:	T0603705363-EA5	Well Type:	MONITORING
Source:	EDF	Other Name:	EA5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705363&assigned_name=EA5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705363&assigned_name=EA5		

A6 **ENE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000067328**

Well ID:	T0603705363-EA4	Well Type:	MONITORING
Source:	EDF	Other Name:	EA4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705363&assigned_name=EA4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705363&assigned_name=EA4		

A7 **ENE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000108390**

Well ID:	T0603705363-EA6	Well Type:	MONITORING
Source:	EDF	Other Name:	EA6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705363&assigned_name=EA6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705363&assigned_name=EA6		

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8 **SSE** **1/2 - 1 Mile** **Lower**	Site ID:	0110	**AQUIFLOW**	**69626**
	Groundwater Flow:	SSW		
	Shallow Water Depth:	16.02		
	Deep Water Depth:	29.54		
	Average Water Depth:	Not Reported		
	Date:	10/14/1997		

A9 **ENE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000082740**

Well ID:	T0603705363-MW8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW8

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705363&assigned_name=MW8&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705363&assigned_name=MW8

A10
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000014130**

Well ID: T0603705363-MW10 Well Type: MONITORING
Source: EDF Other Name: MW10
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705363&assigned_name=MW10&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705363&assigned_name=MW10

A11
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000088710**

Well ID: T0603705363-MW7 Well Type: MONITORING
Source: EDF Other Name: MW7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705363&assigned_name=MW7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705363&assigned_name=MW7

A12
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000019101**

Well ID: T0603705363-MW12 Well Type: MONITORING
Source: EDF Other Name: MW12
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705363&assigned_name=MW12&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705363&assigned_name=MW12

A13
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000060413**

Well ID: T0603705363-B7 Well Type: MONITORING
Source: EDF Other Name: B7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705363&assigned_name=B7&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705363&assigned_name=B7

A14
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000065382**

Well ID:	T0603705363-MW13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705363&assigned_name=MW13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705363&assigned_name=MW13		

A15
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000056925**

Well ID:	T0603705363-MW9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705363&assigned_name=MW9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705363&assigned_name=MW9		

16
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000135894**

Well ID:	T0603705363-MW11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705363&assigned_name=MW11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705363&assigned_name=MW11		

1G
SSE
1/2 - 1 Mile
Lower

AQUIFLOW **69626**

Site ID:	0110
Groundwater Flow:	SSW
Shallow Water Depth:	16.02
Deep Water Depth:	29.54
Average Water Depth:	Not Reported
Date:	10/14/1997

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
NE
1/8 - 1/4 Mile

OIL_GAS **CAOG17000005000**

OIL_GAS:

API #:	0403705427	Well #:	1
Well Type:	Dry Hole	Well Status:	Plugged
Lease Name:	Simons	Well Design:	Simons 1
Operator ID:	05570	Operator Name:	M. L. Gillespie
Field Name:	Any Field	Area Name:	Any Area
Place:	Calabasas	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		
Well Record Request URL:	https://filerequest.conservation.ca.gov/WellRecord?api=03705427		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91302	313	55

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 91302

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.600 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

Geothermal Wells Listing
Department of Conservation
Telephone: 916-445-9686
Geothermal well means a well constructed to extract or return water to the ground after it has been used for heating or cooling purposes. Geothermal wells in California (except for wells on federal leases which are administered by the Bureau of Land Management) are permitted, drilled, operated, and permanently sealed and closed (plugged and abandoned) under requirements and procedures administered by the Geothermal Section of the Department of Conservations Geologic Energy Management Division (CalGEM, formerly DOGGR).

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Limited Phase II Site Investigation Report

APPENDIX I

CITADEL EHS
assess • resolve • strengthen

October 2, 2024

Travis Cullen
Envicom Corporation
4165 East Thousand Oaks Blvd, Suite 290
West Lake Village, California, 91362

Re: CITADEL Project No. 7109.1098.0
Limited Phase II Site Investigation Report
24460 Calabasas Road
Calabasas, California, 91302

Dear Mr. Cullen:

Citadel EHS (Citadel) is pleased to provide you with this Limited Phase II Site Investigation Report for the above-referenced location.

The Limited Phase II Site Investigation was conducted in general accordance with Citadel's Proposal 7109.1098.P, dated August 21, 2024, and a mutually agreed upon scope of work.

If, after your review, you have any questions or require additional information, please do not hesitate to telephone me at (818) 246-2707.

Sincerely,
CITADEL EHS

Mark Drollinger

Mark Drollinger, M. Eng., CSP
Principal, Engineering and Environmental Sciences

Enclosure

CITADEL EHS

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Envicom Corporation
4165 East Thousand Oaks Blvd, Suite 290
West Lake Village, California, 91302

Limited Phase II Site Investigation Report

October 2, 2024

Citadel Project Number 7109.1098.0

24460 Calabasas Road
Calabasas, California 91302

www.CitadelEHS.com

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1.0 INTRODUCTION

Citadel EHS (Citadel) has prepared this Limited Phase II Site Investigation Report (Report) for the property located at 24460 Calabasas Road in the City of Calabasas, California (Site). In June 2024, Citadel prepared a Phase I Environmental Site Assessment (Phase I) for the Site and recommended a Phase II Site Investigation (Phase II) be conducted to evaluate the shallow soil for the presence of pesticides and herbicides based on the historical operation of a nursery and landscaping business at the Site. The Assessor's Parcel Numbers (APNs) associated with the Site are 2069-009-008 and 2069-009-020. A Site Location Map is included as Figure 1.

2.0 BACKGROUND

2.1 Site Description

The Site was formerly occupied by Sperling Nursery and Landscaping from approximately 1975 to 2017. There are no records of Site occupancy or previous land-use prior to 1975. The Site is currently unoccupied and consists of vacant land, concrete pads and brick pathways, overgrown vegetation, shrubs, trees, and both paved and unpaved access roads. The Site is bounded by a Cadillac automobile dealership to the east, a BMW automobile dealership to the West, residential homes to the South, and Calabasas Road to the North.

3.0 PHASE II INVESTIGATION ACTIVITIES

The scope of work was implemented in general accordance with Citadel's Proposal 7109.1098.P, dated August 21, 2024. The scope of work included advancing ten borings in accessible areas of the Site where historical nursery and landscaping operations likely occurred and collecting soil samples.

3.1 Pre-Field Activities

The following pre-field activities were conducted in advance of starting field activities:

- Prepared a Site-specific Health and Safety Plan (HASP; Appendix A);
- Coordinated with the Client for scheduling and scope implementation; and
- Notified Dig Alert at least 48 hours prior to the start of field activities to mark the Site for underground utilities (Appendix B).

3.2 Boring Advancement

On September 9, 2024, Citadel advanced 10 borings (B1 through B10) each to a depth of 2 feet bgs using a hand auger. Soil was visually evaluated and described using the Unified Soil Classification System (USCS) and field screened for VOCs using a handheld photo-ionization detector (PID). Boring B4 was shifted approximately 15 feet to the northeast from the proposed location due to the presence of a concrete pad.

A Site Map showing the approximate boring locations is presented as Figure 2. Citadel's field notes and boring logs are presented in Appendix C and D, respectively.

3.3 Soil Sampling

Twenty soil samples were collected from boring locations B1 through B10 at approximately 0.5 foot and 2 feet bgs. The samples were collected into laboratory-provided glass jars. Soil samples were

stored on ice and transported under chain-of-custody procedures to Enthalpy Analytical (Enthalpy), of Orange, California, a State-certified fixed-based laboratory.

The soil samples collected from 0.5 foot bgs were analyzed for Title 22 metals by United States Environmental Protection Agency (USEPA) Methods 6010B/7471, organochlorine pesticides (OCPs) by USEPA Method 8081A, and chlorinated herbicides by USEPA Method 8151A.

The samples collected from 2 feet bgs were initially placed on hold at the laboratory pending results of the 0.5 foot bgs soil samples. Based on results of the 0.5 foot bgs samples, additional samples were analyzed as follows:

- The sample collected from boring B8 at 0.5 foot bgs reported an arsenic concentration of 14 milligrams per kilogram (mg/kg), which is above the background level of 12 mg/kg. To evaluate the vertical extent of arsenic in soil at this location, the sample collected from boring B8 at 2 feet bgs was analyzed for arsenic;
- The samples collected from borings B1, B4, B7, and B8 at 0.5 foot bgs reported chromium concentrations above the soluble threshold limit concentration (STLC) of 50 mg/kg for waste classification purposes. Additional waste extraction testing was conducted on each sample to determine waste classification; and
- The samples collected from borings B1, B4, and B10 at 0.5 foot bgs reported one or more OCP compounds above the laboratory reporting limit (RL). To evaluate the vertical extent of OCPs at these locations, the samples collected from 2 feet bgs were analyzed for OCPs.

3.4 Deviations from Scope

There were no deviations from scope that would significantly impact the findings of this subsurface investigation.

4.0 INVESTIGATION RESULTS

4.1 Soil Analytical Results

Soil analytical results were compared to the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) environmental screening levels for commercial land use (Commercial ESLs; SFBRWQCB, 2019). Metals results were also compared to the Southern California Background Metals Concentrations (Background Levels; Bradford, et al, 1996 and DTSC, 2018).

Tables 1, 2, and 3 summarize the soil analytical results. The laboratory analytical reports are provided in Appendix E.

4.1.1 Heavy Metals

Arsenic

Arsenic was detected above the Commercial ESL of 0.36 mg/kg in each of the 11 samples analyzed at concentrations ranging from 5.4 milligrams per kilogram (mg/kg) at boring B2 to 14.0 mg/kg at boring B8 (0.5 and 2 feet bgs). The Department of Toxic Substances Control (DTSC) has acknowledged that the strict use of established screening levels for arsenic is impractical due to naturally occurring background concentrations and has set the acceptable level of arsenic in soil (Background Level) at 12 mg/kg for sites in California (DTSC, 2018). Arsenic was detected above the Background Level in both the 0.5 and 2 feet bgs samples collected from boring B8.

Chromium

Chromium was detected above the laboratory reporting limit (RL), but below the Commercial ESL in each of the ten samples analyzed at concentrations ranging from 17 mg/kg at boring B2 to 64 mg/kg at boring B7. Chromium was detected above 50 mg/kg in four samples (B1, B4, B7, and B8), triggering additional STLC wet extraction test (WET) analysis required for waste classification purposes. The STLC results for each of the four chromium samples ranged from 18 micrograms per liter (µg/L) at boring B8 to 120 µg/L at boring B1, which is well below the non-hazardous classification limit of 5,000 µg/L, indicating the soil will be classified as non-hazardous.

Other Metals

Additional metals were detected above the RL, but did not exceed the established Background Levels or Commercial ESLs.

A summary of the metals results is presented in Table 1.

4.1.2 Organochlorine Pesticides

At least one OCP was detected in four of the 13 samples analyzed. A summary of the OCP detections is as follows:

- 4,4-Dichlorodiphenyldichloroethylene (DDE) was detected above the RL in three of the 13 samples analyzed at concentrations ranging from 0.0099 mg/kg in boring B4 at 0.5 foot bgs to 0.1 mg/kg in boring B1 at 0.5 foot bgs. 4,4-DDE was not detected above the Commercial ESL of 8.3 mg/kg in any of the analyzed samples;

- 4,4-Dichlorodiphenyltrichloroethane (DDT) was detected above the RL in four of the 13 samples analyzed at concentrations ranging from 0.0035 mg/kg in boring B1 at 2 feet bgs to 0.039 mg/kg in boring B1 at 0.5 foot bgs. 4,4-DDT was not detected above the Commercial ESL of 8.5 mg/kg in any of the analyzed samples;

- Chlordane was detected above the RL in two of the 13 samples analyzed at concentrations ranging from 0.029 mg/kg in boring B4 at 0.5 foot bgs and 0.140 mg/kg in boring B1 at 0.5 foot bgs. Chlordane was not detected above the Commercial ESL of 2.2 mg/kg in any of the analyzed samples.

No other OCPs were detected above the RLs in the analyzed samples. A summary of the OCP results is presented in Table 2.

4.1.3 Chlorinated Herbicides

Pentachlorophenol was the only chlorinated herbicide detected above the RLs in the 10 sampled analyzed. Pentachlorophenol was detected at a concentration of 0.0146 mg/kg in boring B10 at 0.5 foot bgs, which is well below the Commercial ESL of 4.0 mg/kg.

No other chlorinated herbicides were detected above RL in any other samples. A summary of the chlorinated herbicide results is presented in Table 3.

4.2 Data Quality Evaluation

Level II QA/QC procedures were observed by the analytical laboratory, Enthalpy Analytical (Enthalpy) following receipt of samples at the laboratory. Enthalpy noted several data qualifiers in the final analytical reports, including the following:

- J = The reported value is an estimate; and
- # = CCV drift is outside limits; average CCV drift is within limits per method.

The laboratory analytical report is provided in Appendix E.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The scope of work was limited to shallow soil sample collection in accessible areas of the Site to determine if impacts from historical use as a plant nursery and landscaping business would warrant further investigation and to assist with forecasting potential disposal and off-hauling costs associated with the planned redevelopment of the Site. Based on the completed scope of work and soil samples analyzed, a summary of findings is as follows:

- Multiple heavy metals were detected above RLs, but below their respective Commercial ESLs or Background Levels, except for at one location. At boring B8, located in the eastern portion of the Site, arsenic was detected at 14 mg/kg in both the 0.5 and 2 feet bgs samples, which is slightly above the Background Level of 12 mg/kg;
- Chromium was detected above the concentration to require additional STLC analysis at four locations (B1, B4, B7, and B8) in the northern and eastern portions of the Site. Results of the STLC analysis for each sample indicated the soil will be classified as non-hazardous;
- At least one OCP compound was detected above RLs in the 0.5 foot bgs sample collected at three locations (B1, B4, and B10) in the central portion of the Site. The 2 foot bgs samples collected and analyzed from each of these locations reported lower concentrations of OCPs when compared to the 0.5 foot samples. OCP concentrations were below Commercial ESLs in each of the analyzed samples; and
- Chlorinated herbicides were not detected above RLs in the 0.5 foot bgs samples collected, except for at one location. At boring B10, located in the southern portion of the investigation area, pentachlorophenol was detected at 0.0146 mg/kg, which is well below the Commercial ESL of 4.0 mg/kg.

Based on results of the analyzed soil samples, soil generated during grading for planned Site redevelopment activities should be classified as non-hazardous and the soil concentrations are below the established Commercial ESLs and/or Background Levels, except for arsenic at one location in the eastern portion of the Site. Citadel recommends no further investigation for the Site. However, Citadel does recommend a soil management plan be prepared if soil grading is planned in the eastern portion of the Site near boring B8 where arsenic concentrations in soil were reported above the Commercial ESL.

6.0 LIMITATIONS

The services performed by Citadel Environmental Services, Inc. ("Citadel"), d.b.a. Citadel EHS, in connection with this Report were performed in accordance with generally and currently accepted engineering practices and principles; provided, however, Citadel completed such services as directed by the Client and the recommendations described in this Report are therefore limited in purpose and scope. The procedures and methodologies used by Citadel in its performance of services, and the recommendations contained herein, are not intended to meet the requirements under any specific laws or regulatory guidelines unless expressly set forth in the Proposal.

The recommendations and conclusions set forth in this Report are based on information and data available to Citadel during the course of its performance of the services. Citadel relied on the information and data provided by or on behalf of Client, including, if applicable, historical and present operations, conditions and test data, and Citadel assumed all such information and data was correct and complete. Citadel shall not be liable for any damages or losses resulting from inaccuracies of, or omissions from, information or data provided by or on behalf of the Client, any interested third-parties, or any federal, state, county, or local governmental authority, or otherwise available in the public domain.

The findings and recommendations presented in this Report are based upon observations of present conditions and may not necessarily indicate future conditions. No conclusions should be construed or inferred other than those expressly stated in this Report. EXCEPT FOR ANY WARRANTIES EXPRESSLY SET FORTH IN THE PROPOSAL OR OTHER WRITTEN AGREEMENT BETWEEN CITADEL AND CLIENT, CITADEL MAKES NO WARRANTIES HEREUNDER WITH RESPECT TO ANY INFORMATION CONTAINED IN THIS REPORT, EXPRESS OR IMPLIED, AND CITADEL HEREBY DISCLAIMS ALL OTHER WARRANTIES.

All testing and remediation methods have reliability limitations, and no method nor number of sampling locations can guarantee that a hazard will be discovered if contamination or other evidence of the hazard is not encountered within the performance of the services as authorized. Reliability of testing or remediation varies according to the sampling frequency and other service variables that were selected by Client. Citadel shall not be at fault or liable for any such limitations.

The information and opinions rendered in this report are exclusively for use and reliance by the Client. The information contained herein may not be used, disclosed, or copied without written permission of the Client and may not be relied upon without the written permission of Citadel.

7.0 REFERENCES CITED

Bradford, G.R., Chang, A.C., Page, A.L., Bakhtar, D., Frampton, J.A., and Wright, H., 1996, *Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation of Soil Sciences Special Report*, Division of Agriculture and Natural Resources, University of California.

Department of Toxic Substances Control (DTSC), 2018. *Determination of a Southern California Regional Background Arsenic Concentration in Soil.*

San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019. *Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow Soil Exposure*. August (Rev. 2).

8.0 SIGNATURES

Report Prepared by:

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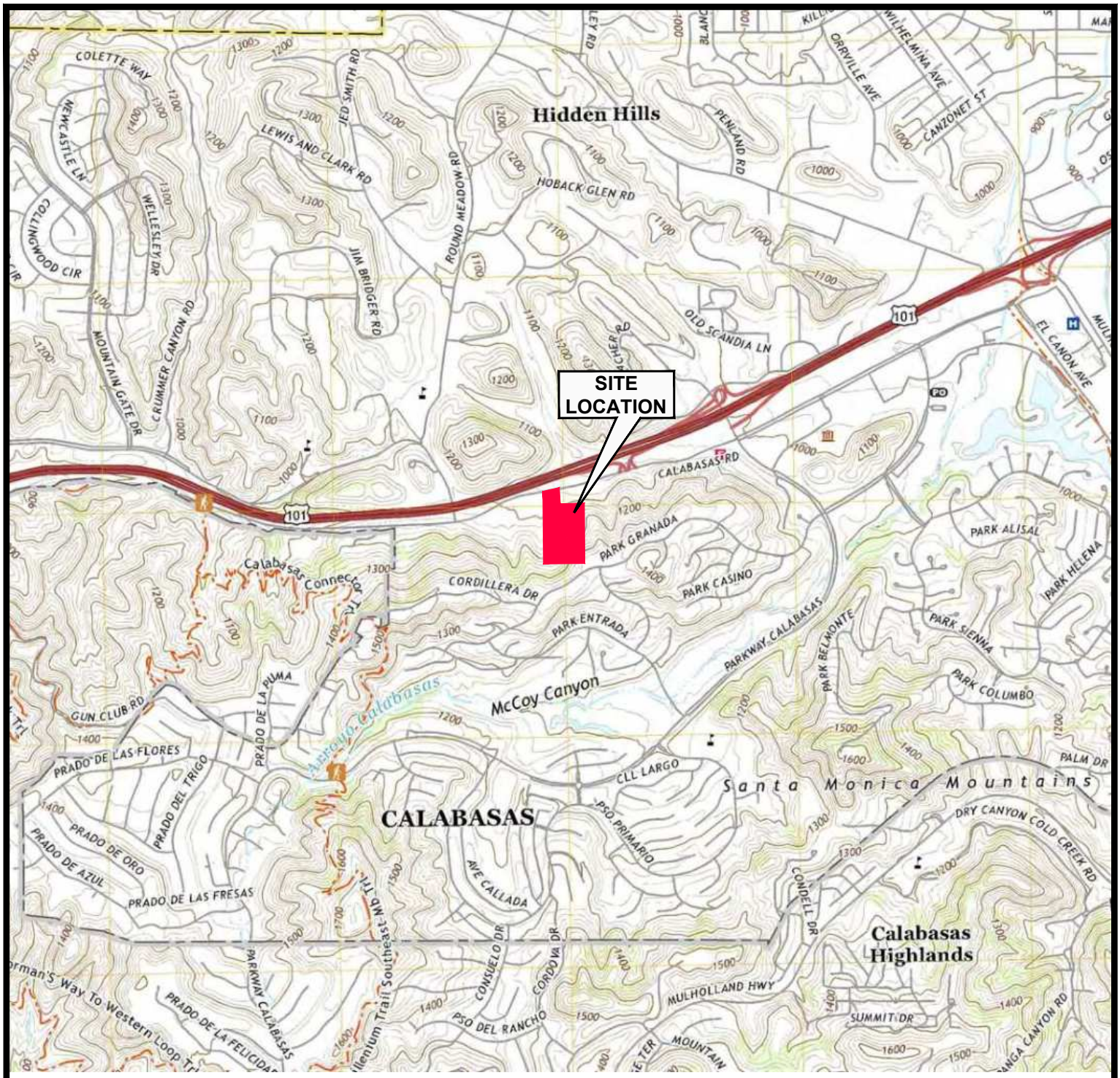
Reviewed by:

Mark Drollinger

Mark Drollinger, M. Eng, CSP
Principal, Engineering and Environmental Sciences

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Figures



Map Source:
USGS 7.5' Quadrangle, Calabasas, California, 2022

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24460 Calabasas Road,
Calabasas, California 91302

Figure 1

PROJECT NO.: 7109.1098.0

DATE: SEPTEMBER 2024

Site Location Map



Approximate Site Boundary

Shallow Soil Boring Location

N

0 100 200 300 400

Feet

Source: Google Earth (2024)

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Calabasas, California 91302

Figure 2

PROJECT NO.: 7109.1098.0

DATE: SEPTEMBER 2024

Site Map

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Tables

Table 1
Summary of Soil Analytical Results - Metals
24460 Calabasas Road
Calabasas, California

Boring ID	Sample Depth	Date	Arsenic[Note 3]	Barium	Beryllium	Cadmium	Chromium[Note 4]	Chromium - STLC Extraction	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
	(feet bgs)		*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(µg/L)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*
SFBRWQCB Commercial ESL [Note 1]			**0.31**	**220,000**	**230**	**1,100**	**160**	**--**	**350**	**47,000**	**320**	**190**	**5,800**	**11,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
Southern California Background Metals in Soil [Note 2]			**12**	**509**	**1.28**	**0.36**	**122**	**--**	**15**	**28.7**	**24**	**0.3**	**1.3**	**57**	**0.06**	**0.8**	**0.56**	**112**	**149**
Threshold to Require STLC Analysis			**50**	**1,000**	**7.5**	**10**	**50**	**--**	**800**	**250**	**50**	**2**	**3,500**	**200**	**10**	**50**	**70**	**240**	**2,500**
STLC/TCLP Non-Hazardous Classification Limit			**--**	**--**	**--**	**--**	**--**	**5,000**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
B1	0.5	9/9/2024	**7.4**	**250**	**0.56**	**4.9**	**57**	**120 J**	**6.3**	**38**	**14**	<0.059	**9.4**	**71**	**0.92 J**	**0.26 J**	<0.92	**110**	**120**
B2	0.5	9/9/2024	**5.4**	**86**	**0.33 J**	**0.91**	**17**	--	**5.2**	**21**	**9.8**	**0.073 J**	**2.0**	**15**	<0.86	<0.17	<0.91	**38**	**48**
B3	0.5	9/9/2024	**6.4**	**240**	**0.46 J**	**3.6**	**43**	--	**5.4**	**26**	**5.9**	<0.056	**7.7**	**48**	<0.90	<0.17	<0.95	**85**	**68**
B4	0.5	9/9/2024	**7.7**	**190**	**0.49**	**3.8**	**52**	**110 J**	**5.9**	**38**	**12**	**0.061 J**	**8.7**	**58**	<0.86	**0.22 J**	<0.90	**110**	**430**
B5	0.5	9/9/2024	**5.9**	**160**	**0.30 J**	**1.2**	**20**	--	**3.9**	**13**	**5.2**	<0.056	**3.3**	**22**	<0.86	<0.17	<0.91	**40**	**36**
B6	0.5	9/9/2024	**7.0**	**160**	**0.36 J**	**2.0**	**24**	--	**3.4**	**13**	**3.2**	<0.061	**3.5**	**22**	<0.89	<0.17	<0.94	**51**	**34**
B7	0.5	9/9/2024	**7.6**	**260**	**0.59**	**5.5**	**64**	**19 J**	**6.4**	**39**	**4.4**	<0.059	**11**	**77**	<0.86	**0.19 J**	<0.91	**140**	**88**
B8	0.5	9/9/2024	**14**	**400**	**0.49**	**7.6**	**55**	**18 J**	**3.4**	**47**	**3.8**	**0.095 J**	**9.9**	**98**	<0.87	**0.18 J**	<0.92	**150**	**100**
	2	9/9/2024	**14**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B9	0.5	9/9/2024	**5.6**	**200**	**0.35 J**	**3.7**	**46**	--	**3.9**	**47**	**14**	**0.11 J**	**6.2**	**49**	<0.86	**0.50**	<0.91	**88**	**110**
B10	0.5	9/9/2024	**6.6**	**250**	**0.44 J**	**3.7**	**44**	--	**5.4**	**32**	**12**	**0.066 J**	**8.5**	**52**	<0.90	**0.18 J**	<0.95	**87**	**95**

Notes:
Samples analyzed using USEPA Method 6010B and Method 7471A for Mercury.
Detections above the laboratory reporting limit are emboldened.
Yellow shaded values exceed the SFBRWQCB commercial ESL and/or the Southern California Background Level (Commercial ESL is excluded from consideration for arsenic; background level is used instead).
Values shown in red font exceed the threshold which triggers STLC analysis for waste characterization.
Note 1 SFBRWQCB, Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow Soil Exposure, 2019 (Rev. 2).
Note 2 Bradford, G.R., Chang, A.C., Page, A.L., Bakhtar, D., Frampton, J.A., and Wright, H., 1996, Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation of Soil Sciences Special Report, Division of Agriculture and Natural Resources, University of California.
Note 3 Department of Toxic Substances Control (DTSC). 2018. Determination of a Southern California Regional Background Arsenic Concentration in Soil.
Note 4 ESL value shown is the Tier 1 ESL for total chromium.
SFBRWQCB = San Francisco Bay Regional Water Quality Control Board.
bgs = Below ground surface.
mg/kg = Milligrams per kilogram.
µg/L = Micrograms per liter.
STLC = Soluble Threshold Limit Concentration.
ESL = Environmental Screening Level.
<0.010 = Not detected above the noted laboratory method detection limit.
J = The reported value is an estimate.

Table 2
Summary of Soil Analytical Results - Organochlorine Pesticides
24460 Calabasas Road
Calabasas, California

Boring ID	Sample Depth (feet bgs)	Date	4,4-DDE (mg/kg)	4,4-DDT (mg/kg)	Chlordane (mg/kg)	Other Organochlorine Pesticides (mg/kg)
SFBRWQCB Commercial ESLs [Note 1]			**8.3**	**8.5**	**2.2**	**Varies**
B1	0.5	9/9/2024	**0.100**	**0.039**	**0.140**	ND
	2	9/9/2024	**0.025**	**0.0035 #, J**	<0.026	
B2	0.5	9/9/2024	<0.0032	<0.0027	<0.028	
B3	0.5	9/9/2024	<0.0032	<0.0027	<0.028	
B4	0.5	9/9/2024	**0.0099**	**0.035**	**0.029 J**	
	2	9/9/2024	<0.0032	<0.0027	<0.028	
B5	0.5	9/9/2024	<0.0032	<0.0027	<0.028	
B6	0.5	9/9/2024	<0.0031	<0.0026	<0.027	
B7	0.5	9/9/2024	<0.0031	<0.0027	<0.027	
B8	0.5	9/9/2024	<0.0031	<0.0026	<0.027	
B9	0.5	9/9/2024	<0.0031	<0.0026	<0.027	
B10	0.5	9/9/2024	<0.0031	**0.0063**	<0.027	
	2	9/9/2024	<0.0032	<0.0027	<0.028	

Notes:
Samples analyzed using USEPA Method 8081A.
Detections above the laboratory reporting limit are emboldened.
[Note 1] SFBRWQCB, Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow Soil Exposure, 2019 (Rev. 2).
SFBRWQCB = San Francisco Bay Regional Water Quality Control Board.
ESL = Environmental Screening Level.
DDE = Dichlorodiphenyldichloroethylene.
DDT = Dichlorodiphenyltrichloroethane.
-- = No value established.
<0.010 = Not detected above the noted laboratory reporting limit.
ND = Not detected above the laboratory reporting limit.
bgs = Below ground surface.
mg/kg = Milligrams per kilogram.
J = The reported value is an estimate.
# = CCV drift outside limits; average CCV drift within limits per method.

Table 3
Summary of Soil Analytical Results - Chlorinated Herbicides
24460 Calabasas Road
Calabasas, California

Boring ID	Sample Depth *(feet bgs)*	Date	Pentachlorophenol mg/kg	Other Chlorinated Herbicides mg/kg
SFBRWQCB Commercial ESLs [Note 1]			**4.0**	**Varies**
B1	0.5	9/9/2024	<0.00250	ND
B2	0.5	9/9/2024	<0.00250	
B3	0.5	9/9/2024	<0.00250	
B4	0.5	9/9/2024	<0.00250	
B5	0.5	9/9/2024	<0.00250	
B6	0.5	9/9/2024	<0.00250	
B7	0.5	9/9/2024	<0.00250	
B8	0.5	9/9/2024	<0.00250	
B9	0.5	9/9/2024	<0.00250	
B10	0.5	9/9/2024	**0.0146**	

Notes:
Samples analyzed using USEPA Method 8151A.
Detections above the laboratory reporting limit are emboldened.
[Note 1] SFBRWQCB, Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow Soil Exposure, 2019 (Rev. 2).
SFBRWQCB = San Francisco Bay Regional Water Quality Control Board.
ESL = Environmental Screening Level.
<0.010 = Not detected above the noted laboratory reporting limit.
ND = Not detected above the laboratory reporting limit.
bgs = Below ground surface.
mg/kg = Milligrams per kilogram.

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Appendix A
Health and Safety Plan

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Envicom Corporation
4165 East Thousand Oaks Boulevard, Suite 290
Westlake Village, California 91362

Health and Safety Plan

September 9, 2024

Citadel Project Number 7109.1098.0

24460 Calabasas Road
Calabasas, California, 91302

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1.0 SITE DESCRIPTION

Citadel EHS (Citadel) has prepared this Health and Safety Plan (HASP) for Envicom Corporation (Client) for use during soil disturbing activities for the property located at 24460 Calabasas Road in the City of Calabasas, California (Site). Activities conducted under Citadel's direction at the Site will be compliant with applicable Occupational Safety and Health Administration (OSHA) regulations, particularly those in Title 8 California Code of Regulations (CCR) 5192, and other applicable federal, state, and local laws, regulations, and statutes. A copy of this HASP will be kept onsite during scheduled field activities.

2.0 BACKGROUND

In June 2024, Citadel submitted a Phase I Environmental Site Assessment (Phase I ESA) for the Site. Based on the findings, Citadel identified the following recognized environmental condition (REC).

- Historical sources indicate that the Site was previously developed as a nursery and landscaping business situated on sloped terrain. Historical use of landscaping materials on the Site represents a REC based on the potential use and storage of pesticides

Based on the REC, Citadel recommended conducting a Limited Phase II Site Investigation consisting of the collection of representative soil shallow samples to evaluate the near surface for the presence of organochlorine pesticides, chlorinated herbicides, and heavy metals.

3.0 SAFETY POLICY

Safety will be given primary importance in the planning and operation of this project. The safety policy shall strictly adhere to current EPA and OSHA standards, and local government agency requirements having authority over the project as regards to Client employees, as well as to public safety. Some of the applicable health and safety standards are listed below:

- 40 Code of Federal Regulations Part 261, Identification and Listing of Hazardous Waste;
- Health and Safety Code, Division 20, Chapter 6.5, California Hazardous Waste Control Act;
- Title 8, California Code of Regulations, Section 1510, Safety Instruction for Employees;
- Title 8, California Code of Regulations, Section 3380, Personal Protective Equipment;
- Title 8, California Code of Regulations, Section 5144, Respiratory Protection;
- Title 8, California Code of Regulations, Section 5194, Hazard Communication; and
- Title 22, California Code of Regulations, Division 4.5, Environmental Health Standards for the Management of Hazardous Waste.

Each subcontracting firm will assume primary responsibility for the safety of their own work with respect to their employees. Subcontractors will assume the duty to comply with OSHA, and all other federal, state and local regulations.

The subcontractors' work will be monitored by Citadel staff for implementation of this HASP, while adhering to their own safety program. The Client will retain the authority and power to enforce this HASP during the progress of the work. Any deficiencies in subcontractor safe work practices will be brought to the attention of the subcontractor firm's supervisor for immediate corrective

action. If the subcontractor fails or refuses to take corrective action promptly, a stop work order shall be issued and the subcontractor or the subcontractor employee may be removed from the Site.

4.0 WORK DESCRIPTION

Citadel will advance a total of 10 shallow borings across the sloped landscape of the Site to a depth of two feet below ground surface. Soil samples will be collected from six inches and two feet bgs from each shallow boring. The borings will be advanced using a hand auger. During hand auguring, soil will be visually evaluated and described using the Unified Soil Classification System and recorded in the field notes.

The soil samples will be labeled, placed in a chilled cooler, handled under Chain-of-Custody (COC) protocols, and transported to a State-certified laboratory for analysis. Soil samples collected at approximately six-inches will be analyzed for organochlorinated herbicides by United States Environmental Protection Agency (EPA) Method 8081A, organophosphorus pesticides by EPA Method 8141A, and Title 22 metals by EPA Methods 6010B/7471. The soil samples from two feet bgs will be placed on hold at the laboratory and will be considered for analysis only if warranted based on results of the shallow samples.

5.0 KEY PROJECT PERSONNEL AND RESPONSIBILITIES

Project Manager	Doug Whichard (Citadel)
Site Safety Officer (SSO)/Project Monitor	Brendan Miller (Citadel)
	Quinn Elizondo (Citadel)

PROJECT MANAGER

The Project Manager has the ultimate responsibility for the health and safety of personnel at the Site. The Project Manager is responsible for:

- Ensuring that project personnel review and understand the requirements of this HASP;
- Keeping on-site personnel informed of the expected hazards and appropriate protective measures at the Site; and
- Providing resources necessary for maintaining a safe and healthy work environment.

SITE SAFETY OFFICER/PROJECT MONITOR

The SSO is responsible for enforcing the requirements of this HASP once site work begins. The SSO has the authority to immediately correct situations where noncompliance with this HASP is noted and to immediately stop work in cases where an immediate danger to site workers or the environment is perceived. Responsibilities of the SSO also include:

- Obtaining and distributing PPE and air monitoring equipment necessary for this project;
- Limiting access at the Site to authorized personnel;
- Communicating unusual or unforeseen conditions at the Site to the Project Manager;
- Supervising and monitoring the safety performance of site personnel to evaluate the effectiveness of health and safety procedures and correct deficiencies;
- Conducting daily tailgate safety meetings before each day's activities begin; and
- Conducting a site safety inspection prior to the commencement of each day's field activities.

CONTRACTOR AND SUBCONTRACTOR PERSONNEL

Subcontractor personnel are expected to comply with the minimum requirements specified in this HASP. Failure to do so may result in the dismissal of the subcontractor or any of the subcontractor's workers from the job site. Subcontractors may employ health and safety procedures that afford them a greater measure of personal protection than those specified in this plan as long as they do not pose additional hazards to themselves, the environment, or others working in the area.

6.0 SITE CONTROL MEASURES

The SSO or Project Manager has been designated to coordinate access and security on site. The Client is responsible for general Site safety and each on-Site contractor must comply with their site-specific safety plan.

7.0 STANDARD OPERATING PROCEDURES

GENERAL SAFETY

- Maintain good housekeeping at all times in all project work areas.
- Check the work area to determine what problems or hazards may exist.
- Designate specific areas for the proper storage of materials.
- Store tools, equipment, materials, and supplies in an orderly manner.
- Provide containers for collecting trash and other debris.
- Clean up all spills quickly.
- Report unsafe conditions or unsafe acts to your supervisor immediately.
- Report all occupational illnesses, injuries, and vehicle accidents.
- Do not wear loose clothing, wristwatches, and other loose accessories when within arm's reach of moving machinery.
- Emergency exits and evacuation areas should be clearly marked during work activities.
- Personnel fall protection is required when climbing to perform maintenance six feet or higher above ground.
- Inspect hand tools and use proper PPE.
- Ensure proper grounding and guarding of equipment.
- Keep hands and fingers out of pinch points.
- Use good ergonomic posturing when working with heavy items.

COMMUNICATION PROCEDURES

Due to the close proximity of all field crew members, the necessity for radio communication is not necessary.

The following standard hand signals will be used:

Hand drawn across throat .....Cease operation immediately
Hand gripping throat .....Out of air, cannot breathe
Grip partner's wrist or both hands around waist ..... Leave area immediately
Hands on top of head .....Need assistance
Thumbs up ..... OK, I am alright, understood
Thumbs down.....No, negative

FIELD VEHICLES

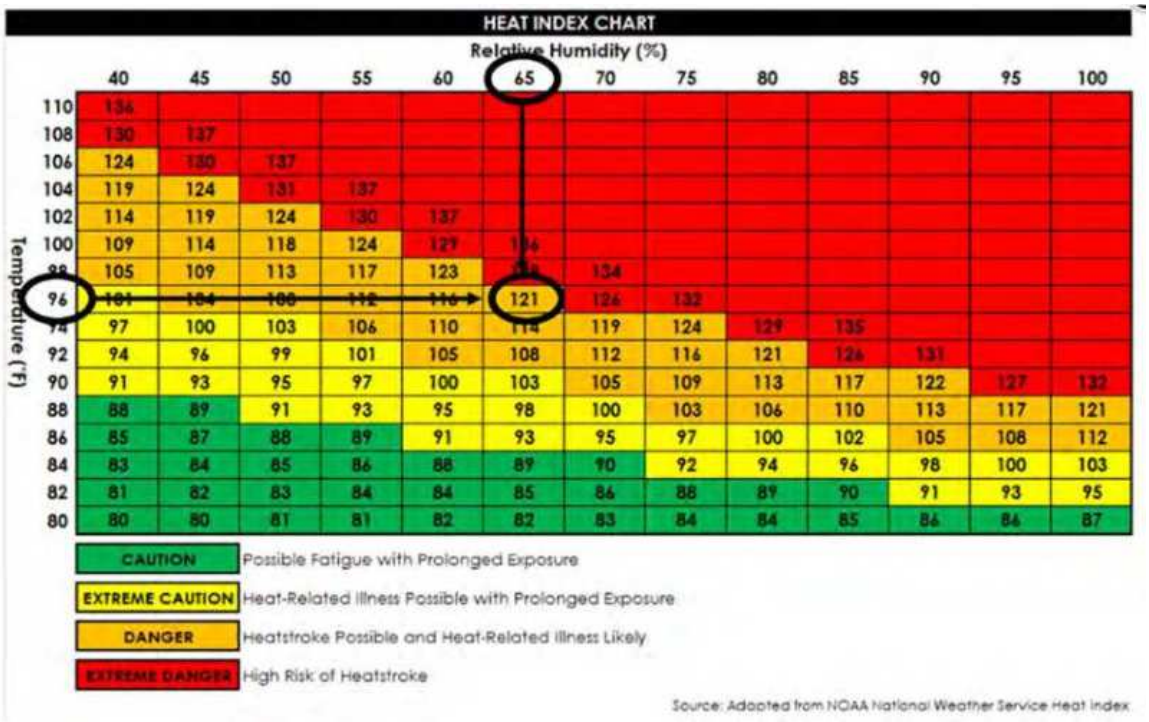
- Equip vehicles with emergency supplies and equipment.
- Maintain both a first aid kit and fire extinguisher in the field vehicle at all times.
- Utilize a rotary beacon on vehicle if working adjacent to active roadway.
- Always wear seatbelt while operating vehicle.
- Tie down loose items.

MANUAL LIFTING

- Personnel shall seek assistance when performing manual lifting tasks that appear beyond their physical capabilities.
- Assess the situation before lifting, ensure good lifting and body positioning practices, and ensure good carrying and setting down practices.

HEAT EXPOSURE

- Limit exposure to the sun or take extra precautions when the UV index rating is high.
- Take lunch and breaks in shaded areas.
- Create shade by using umbrellas, tents, and canopies.
- Wear proper clothing: long sleeved shirts with collars, long pants, and UV-protective sunglasses or safety glasses.
- Apply sunscreen generously to all exposed skin surfaces at least 20 minutes before exposure. Re-apply sunscreen at least every 2 hours, and more frequently when sweating or performing activities where sunscreen may be wiped off.
- Communicate any concerns regarding heat stress to a supervisor.
- Keep hydrated throughout the day (about 4 cups per hour).
- OHSA's Heat Index:



OHER HAZARDS

Unknown Subsurface Structures. Low to Medium Hazard. If any unknown subsurface structures such as USTs, clarifiers, vaults, conduit, Transite pipe, piping, or construction debris are encountered during excavation, all work will stop in the immediate vicinity of the encountered structure and the Contractor and SSO immediately notified.

Utilities (Under Ground and Above Ground): Low Hazard. All boring locations will be hand drilled to approximately five feet bgs and stop work will be enforced if any utilities are encountered.

Biological Hazards: Low to Medium Hazard. Beware of spiders, insects and other possible animals.

Site Instability: Low to Medium Hazard. The Site will be inspected prior to equipment placement and closely monitored. Any settling of the equipment will cause the work to stop immediately.

Equipment Refueling: Low Hazard. Equipment shall not be refueled with the engine running. Cigarettes, open flames, or other ignition sources are not allowed within 50 feet of the fueling location.

Personnel Injury: Upon notification of an injury, the Project Field Leader should evaluate the nature of the injury, and the affected person should be decontaminated to the extent possible prior to movement. The Project Field Leader shall initiate the appropriate first aid, and contact should be made for an ambulance and with the designated medical facility (if required).

Fire/Explosion: The fire department shall be alerted, and all personnel moved to a safe distance from the involved area.

Other Equipment Failure: If any other equipment on site fails to operate properly, the Project Team Leader shall be notified and then determine the effect of this failure on continuing operations on site. If the failure affects the safety of personnel or prevents completion of the Work Plan tasks, work will cease until the situation is evaluated and appropriate actions taken.

COVID-19 FIELD WORK PREVENTION GUIDELINES

The following guidelines were prepared to prevent COVID-19 transmission while performing essential field work activities at the Site.

1. **Stay at least six feet from others** whenever possible. Avoid, or at least **minimize close contact with others**. Close contact means being within six feet of someone else for more than 15 minutes. By CDC guidelines, being in close contact for extended periods of time can greatly increase your risk of exposure even with face covering. *Keep your distance even when wearing face covering or PPE.*

2. **Wear face covering in public and anytime you will interface with others**, regardless of time. *Distance and face covering are likely the two best methods available to minimize exposures.*

3. **Wash your hands frequently and avoid touching your face, nose and mouth with unwashed hands.** The wearing of gloves will not fully protect you from COVID-19. Even when you wear gloves for protection against chemicals, wash hands frequently to minimize exposure. Be careful when putting on and taking off PPE to avoid contamination of hands in the process and then touching face, nose or mouth with unwashed hands. *Do not rely on hand sanitizers – choose to use soap and water as much as possible.*

4. **Clean and disinfect surfaces you come into contact and minimize touching commonly used surfaces whenever possible.** Cleaning and disinfecting surfaces would not be as important if everyone were wearing face covering and washing their hands more regularly. But because individual behaviors vary quite a bit, we need to do what we can to protect ourselves and others by routinely cleaning and disinfecting the things we touch. How often will depend on how often you touch a surface or object and whether others are likely to come into contact with it as well. *Cleaning and disinfecting helps reduce exposure, but don't rely on it as a replacement for distancing, face covering and hand washing.*

5. **Monitor your own health** for COVID-19 symptoms and **stay at home**, away from others, if symptoms develop. The sooner you self-isolate, the more you lessen the chance of spreading it to others, regardless of whether it is COVID-19, the flu or some other contagion.

DUST MONITORING

SCAQMD requires that Rule 403 for Fugitive Dust be followed to reduce the amount of particulate matter entrained into ambient air as a result of normal construction activities. This rule is intended to limit the emissions of fugitive dust or particulate matter from a variety of activities and sources such as construction sites, bulk material hauling, unpaved parking lots, and disturbed soil in open areas and vacant lots; this rule applies to any activity or man-made condition capable of generating fugitive dust.

Rule 403 requires that fugitive dust generated during any activity or man-made condition such as excavation, drilling, demolition, construction, and soil disturbance, shall be prevented, reduced or mitigated.

- As part of all earth moving and construction/demolition activities, disturbed surface area, or heavy and light duty vehicular movement, no person shall cause or allow the emissions of fugitive dust from any active operation, open storage pile, or disturbed surface area such that:
  - The dust remains visible in the atmosphere beyond the property line of the emission source; or
  - The dust emission exceeds 20 percent opacity (as determined by the appropriate test method included in the Rule 403 Implementation Handbook) if the dust emission is the result of movement of a motorized vehicle.

- All onsite activities shall be conducted utilizing the best available control measures included in Table 1 of the Rule, to minimize fugitive dust emissions from each dust source type, such as high-pressure water sprayers, fire hoses, and water trucks where applicable.

- DustTrak monitors may be used to determine fugitive dust emissions in the ambient air at the Site. Per Rule 403, no person shall cause or allow PM_{10}[1] levels to exceed 50 micrograms per cubic meter ($\mu g/m^3$) when determined, by simultaneous sampling, as the difference between upwind and downwind samples collected on high-volume particulate matter samplers or other U.S. EPA-approved equivalent method for PM_{10} monitoring.

[1] PM_{10} means particulate matter with an aerodynamic diameter smaller than or equal to 10 microns as measured by the applicable State and Federal reference test methods.

- Track-out shall not extend to 25 feet or more in cumulative length from the point of origin of an active operation. Notwithstanding this, all track-out shall be removed at the conclusion of each workday or evening shift.

- No person shall conduct an active operation with a disturbed surface area of five or more acres, or with a daily import or export of 100 cubic yards or more of bulk material without utilizing at least one of the five measures listed in the rule at each vehicle egress from the Site to a public paved road.

8.0 EXPOSURE MONITORING

Based on previous investigations, the chemicals of potential concern (COPC) for the Site have been determined to be Organochlorine Pesticides and heavy metals. The SSO will monitor on-site worker exposure to airborne contaminants during Site activities. Measurements should be taken within the breathing zones of workers. A PID will be used to monitor changes in exposure. The PID shall be calibrated daily in the field and undergo annual maintenance including calibration by a certified provider. If stained or odorous soil or fumes are discovered during excavation, work should stop in that area, and an environmental consultant be notified.

The following substances will likely be encountered on Site; the primary hazards of each are identified.

Substances	Concentration	Primary Hazards
Heavy Metals	Various	Ingestion, inhalation, skin, eye contact
Organochlorine Pesticides:	Various	Ingestion, inhalation

Heavy Metals: Typically, the main threats to human health from heavy metals are associated with exposure to lead, cadmium, mercury and arsenic. Cadmium compounds are currently mainly used in re-chargeable nickel-cadmium batteries. Recent data indicate that adverse health effects of cadmium exposure is primarily in the form of kidney damage but possibly also bone effects and fractures. The general population is primarily exposed to mercury via food, fish being a major source of methyl mercury exposure, and dental amalgam. The general population does not face a significant health risk from methyl mercury, although certain groups with high fish consumption may attain blood levels associated with a low risk of neurological damage to adults and a risk to the fetus in pregnant women The general population is exposed to lead from air and food in roughly equal proportions. Children are particularly susceptible to lead exposure due to high gastrointestinal uptake and the permeable blood-brain barrier. Recent data indicating that there may be neurotoxic effects of lead at lower levels of exposure than previously anticipated. Exposure to arsenic is mainly via intake of food and drinking water, food being the most important source in most populations. Long-term exposure to arsenic in drinking-water is mainly related to increased risks of skin cancer, but also some other cancers, as well as other skin lesions such as hyperkeratosis and pigmentation changes. Occupational exposure to arsenic, primarily by inhalation, is causally associated with lung cancer.

Organochlorine Pesticides: OCPs are pesticides composed of chlorinated hydrocarbons used extensively from the 1940s through the 1960s in agriculture and mosquito control. Representative compounds in this group include chlordane, DDT, heptachlor, dieldrin, toxaphene, mirex, kepone, lindane, and benzene hexachloride. As neurotoxicants, many organochlorine pesticides were banned in the United States, although a few are still registered for use in this country. OCPs accumulate in the environment. They are very persistent and move long distances in surface runoff or groundwater. Prior to the mid-1970s, organochlorines resulted in widespread reproductive failure among birds because birds laid eggs with thin shells that cracked before hatching. People can be

exposed to organochlorine pesticides through accidental inhalation exposure if in area where they were recently applied. The chemicals can also be ingested in fish, dairy products, and other fatty foods that are contaminated. Exposure to OCPs over a short period may produce convulsions, headache, dizziness, nausea, vomiting, tremors, confusion, muscle weakness, slurred speech, salivation and sweating. Long-term exposure to OCPs may damage the liver, kidney, central nervous system, thyroid and bladder. Many of these pesticides have been linked to elevated rates of liver or kidney cancer in animals. There is some evidence indicating that organochlorine pesticides may also cause cancer in humans.

ACTION LEVELS AND EXPOSURE LIMITS

If strong odor is encountered during excavation, work in the area should stop and the Environmental Consultant contacted immediately to assess the area for the potential presence of COPCs and initiate a response. Appropriate responses may include upgrading PPE requirements, additional testing, or continuous air monitoring.

Other Heavy Metals
The required OSHA PEL for cobalt and copper is no greater than an 8-hour TWA of 0.2 and 1 mg/m3, respectively. Using the maximum cobalt and copper concentrations from B.L.'s stockpile sampling of 12.2 and 737 mg/kg, respectively, and a safety factor of 2 times (200%) results in a TDAL for cobalt and copper of 8,197 and 678 mg/m^3, respectively. Based on the TDALs, dust mitigation measures or work stoppage will occur for PM_{10} concentrations exceeding 0.05 mg/m^3 prior to exceeding the TDAL's for cobalt or copper.

9.0 PERSONAL PROTECTIVE EQUIPMENT

The purpose of PPE is to protect employees from hazards and potential hazards they are likely to encounter during site activities. The amount and type of PPE used will be based on the nature of the hazard encountered or anticipated. Respiratory protection will be utilized when an airborne hazard has been identified using real-time air monitoring devices, or as a precautionary measure in areas designated by the SSO, elevating to level C. If this occurs, contractor personnel shall be respirator-approved.

Dermal protection, primarily in the form of chemical-resistant gloves and coveralls, will be worn whenever contact with chemically affected materials is anticipated, without regard to the level of respiratory protection required.

Based on evaluation of potential hazards, the following levels of personal protection have been designated for the applicable work areas or tasks:

Location	Job Function	Level of Protection
Controlled Area	All Workers	A B C (D) Other

Specific protective equipment for each level of protection is as follows:

Level A
Fully-encapsulating suit
SCBA
Disposable coveralls

Level C
Splash gear
Half-face canister respirator with H_2S/VOC cartridge
Mouth/nose canister respirator
Efficiency 100 (HEPA)

Level B
Splash gear
SCBA

Level D
Hard hat
Ear plugs
Neoprene or leather gloves - nitrile gloves
Safety vests and Glasses
Hard toe boots

NO CHANGES TO THE SPECIFIED LEVELS OF PROTECTION SHALL BE MADE WITHOUT THE APPROVAL OF THE SSO OR PROJECT MANAGER.

10.0 DECONTAMINATION PROCEDURES

Despite protective procedures, personnel may come in contact with potentially hazardous compounds while performing work tasks. If so, decontamination needs to take place using an Alconox or tri-sodium phosphate (TSP), followed by a rinse with clean water. Standard decontamination procedure for levels C and D are as follows:

- Equipment drop
- Boot cover and outer glove wash and rinse
- Boot cover and out glove removal
- Suit wash and rinse
- Suit removal
- Safety boot wash and rinse
- Inner glove wash and rinse
- Respirator removal
- Inner glove removal
- Field wash of hands and face

Workers should employ only applicable steps in accordance with level of PPE worn and extent of contamination present. The SSO shall maintain adequate quantities of clean water to be used for personal decontamination (i.e. field wash of hands and face) whenever a suitable washing facility is not located in the immediate vicinity of the work area. Disposable items will be disposed of in an appropriate container. Wash and rinse water generated from decontamination activities will be handled and disposed of properly. Non-disposable items may need to be sanitized before reuse. Each site worker is responsible for the maintenance, decontamination, and sanitizing of his/her own PPE.

Used equipment may be decontaminated as follows:

- An Alconox or TSP and water solution will be used to wash the equipment.
- The equipment will then be rinsed with clean water.

Each person must follow these procedures to reduce the potential for transferring chemically affected materials offsite.

11.0 EMERGENCY PROCEDURES

In the event of an emergency, site personnel will signal distress with three blasts of a horn (a vehicle horn will be sufficient), or other predetermined signal. Communication signals, such as hand signals, must be established where communication equipment is not feasible or in areas of loud noise.

The SSO will designate evacuation routes and refuge areas to be used in the event of an emergency. Site personnel will stay upwind from vapors or smoke and upgradient from spills. Workers should exit through the established decontamination areas wherever possible. If evacuation cannot be done through an established decontamination area, site personnel will go to the nearest safe location and remove contaminated clothing there. Personnel will assemble at the predetermined refuge following evacuation and decontamination. The SSO will count and identify site personnel to verify that all personnel have been evacuated safely. Please refer to Figure 1.0 for the evacuation route and refuge location and Figure 2.0 for directions to the designated medical facility.

FIGURE 1.0 – EVACUATION ROUTE AND REFUGE AREA



= Approximate Project Boundaries

= Refuge Area

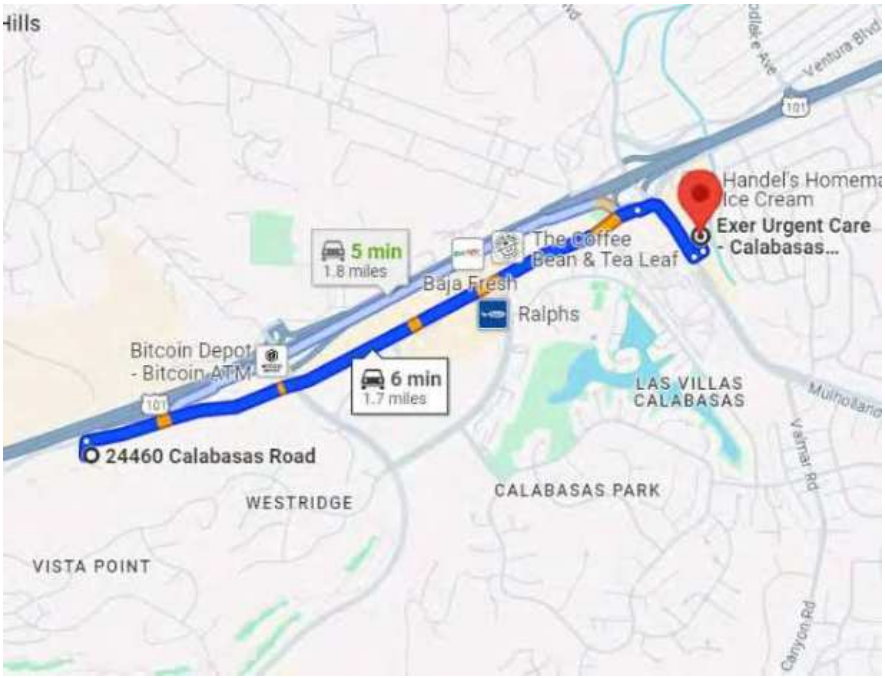
= Excavation Route

Evacuation routes and refuge areas may change during the course of the project.

FIGURE 2.0 – DESIGNATED MEDICAL FACILITY

The designated medical facility is:

Exer Urgent Care – Calabasas – Mulholland Dr
23341 Mulholland Dr,
Woodland Hills, CA 91364
(818) 637-0048



Directions:

Turn right onto Calabasas Rd	1.4 mi
Turn right onto Mulholland Dr	0.2 mi
Destination will be on the left	

Local ambulance service is available from:

Name: Local Paramedics
Phone: 911

First-aid equipment is available in the SSO's vehicle.

List of emergency phone numbers:

Agency/Facility	**Phone**
Police/Fire	911
Hospital	(818) 880 - 3755

12.0 SIGNATURES

This HASP has been prepared by:

Quinn Elizondo

Quinn Elizondo
Staff Geologist, Engineering and Environmental Sciences

This HASP has been reviewed by:

Doug Whichard

Doug Whichard
Senior Scientist, Engineering and Environmental Sciences

SIGNATURE PAGE

The following signatures indicate that this Health and Safety Plan (HASP) has been read and accepted by all site personnel.

NAME	COMPANY	SIGNATURE	DATE

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assess resolve strengthen

Appendix B
Dig Alert Ticket

This document is not a certified record of Underground Service Alert

MBRCOD 00000 USAS 09/03/24 10:28 B242470454-00B NORM NEW POLY

Ticket : B242470454 Rev: 00B Created: 09/03/24 10:28 User: DWHICHARD
Chan: WEB
Work Start: 09/09/24 07:01 Legal Start: 09/09/24 07:01 Expires: 10/01/24 23:59
Response Required: Y Priority: NORM

Excavator Information
Company: CITADEL ENVIRONMENTAL SERVICES, INC.
Co Addr: 1725 VICTORY BLVD
City : GLENDALE State: CA Zip: 91201
Created By: DOUG WHICHARD Language: ENGLISH
Office Phone: 818-246-2707 SMS/Cell: 925-784-1541
Office Email: DWHICHARD@CITADELEHS.COM

Site Contact: DOUG WHICHARD
Site Phone: SMS/Cell: 925-784-1541
Site Email: DWHICHARD@CITADELEHS.COM

Excavation Area
State: CA County: LOS ANGELES Place: CALABASAS/HIDDEN HILLS
Zip: 91302
Location: FRONT OF ADDRESS;
Address/Street : 24460 CALABASAS RD
: X/ST 1 : MUREAU RD
: X/ST 2 :
: FRONT OF ADDRESS;
Delineated Method: NONE
Work Type: HAND AUGERING
Work For : ENVICOM CORPORATION
Hash Tags:
Members:
ATTDSOUTH
EMERGENCY
AT&T DIST. DAMAGE PREVENTION
888-290-3111
G00559@ATT.COM

VACUUM
AT&T DIST. DAMAGE PREVENTION
888-290-3111
G00559@ATT.COM

NO RESPONSE
AT&T DIST. DAMAGE PREVENTION
888-290-3111

G00559@ATT.COM

CALB01
EMERGENCY
LUIS HERNANDEZ
CALABASAS, CA 91302
818-515-5692
JHERNANDEZ@CITYOFCALABASAS.COM

VACUUM
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818-224-1684
JHERNANDEZ@CITYOFCALABASAS.COM

NO RESPONSE
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CALABASAS, CA 91302
818-224-1684
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CRMSNPIP
EMERGENCY
CONTROL CENTER
LONG BEACH, CA 90806
866-351-7473
CCENTER@CRIMSONPL.COM

VACUUM
SHENAN DEAN LOVRIEN
SIGNAL HILL, CA 90755
562-285-4107
SDLOVRIEN@CRIMSONPL.COM

NO RESPONSE
SHENANDEAN LOVRIEN
SIGNAL HILL, CA 90755
562-285-4107
SDLOVRIEN@CRIMSONPL.COM

LVW23
EMERGENCY
DUANE BOCKELMAN
818-251-2256

VACUUM
MIKE HAND
CALABASAS, CA 91302
818-251-2260

MHAND@LVMWD.COM

NO RESPONSE
DUANE BOCKELMAN
818-251-2256

MCISOCAL
EMERGENCY
FIBER SECURITY DEPT
800-624-9675

VACUUM
MCI OPERATOR
800-289-3427

NO RESPONSE
MANAGER FIBER SECURITY
800-289-3427

SCG45T
EMERGENCY
JOHN CARDILINO
805-681-7968
JCARDILINO@SOCALGAS.COM

VACUUM
ALLOWED BUT CAN BE REFUSED

NO RESPONSE
JOHN CARDILINO
805-681-7968
JCARDILINO@SOCALGAS.COM

SCG4U2
EMERGENCY
GAS CO CALL CENTER
800-427-2200

VACUUM
ALLOWED BUT CAN BE REFUSED

NO RESPONSE
JULIAN FLORES
310-912-8538
JFLORES6@SOCALGAS.COM

UCHTRW_N3
EMERGENCY
SPECTRUM EMERGENCY ONLY

844-780-6054

VACUUM
NATASCHA FUCSIK
LOS ANGELES, CA 90045
310-216-3545
NATASCHA.FUCSIK@CHARTER.COM

NO RESPONSE
NATASCHA FUCSIK
LOS ANGELES, CA 90045
310-216-3545
NATASCHA.FUCSIK@CHARTER.COM

USCENC
EMERGENCY
SC EDISON PERSONNEL
800-611-1911

VACUUM
GILBERT ACEVES
CHINO, CA 91710
909-548-7249
GILBERT.ACEVES@SCE.COM

NO RESPONSE
UTILIQUEST
678-831-2444

UTFTRCA01
EMERGENCY
FRONTIER CALL CENTER
800-921-8106

VACUUM
UTILIQUEST FOR FRONTIER COMMUN
323-342-5552

NO RESPONSE
UTILIQUEST FOR FRONTIER
323-342-5552

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Appendix C
Citadel Field Notes

CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

CLIENT	Envicom Corporation	PAGE	1 OF 2
PROJECT NUMBER	7109.1098.0	CITADEL REPRESENTATIVE	Brendan Miller, Quinn Elizondo
PROJECT NAME	Limited Phase II Site Investigation	CONTRACTOR	
PROJECT WORK AREA		SUPERVISOR	Doug Whichard
PROJECT LOCATION	24460 Calabasas Road, Calabasas, CA		

TIME	FIELD NOTES
0700	Citadel arrives on site (Brendan + Quinn)
0710	Tim arrives to ~~se~~ drop off PID
0720	Start of hand augering for borings B1 through B10. PID used to monitor breathing zone for VOCs. Decon station set up and used to clean auger between borings. Borings hand augered to 2' bgs with samples collected at 0.5' and 2' bgs.
0845	Concrete identified at the proposed location of B4. B4 relocated approximately 15' east and advanced adjacent to powerpole.
1330	Finished hand augering B1 through B10 to 2' bgs. Samples collected. 2' soil samples put on HOLD on COC. No noticeable staining or odors observed in the soil. Begin finishing paperwork and lab documentation
1350	Finished paperwork. Clean-up equipment.
1400	Citadel offsite.

CITADEL REPRESENTATIVE: Brendan Miller, Quinn Elizondo

DAY: Monday

SIGNATURE: Brendan Miller, Quinn Elizondo

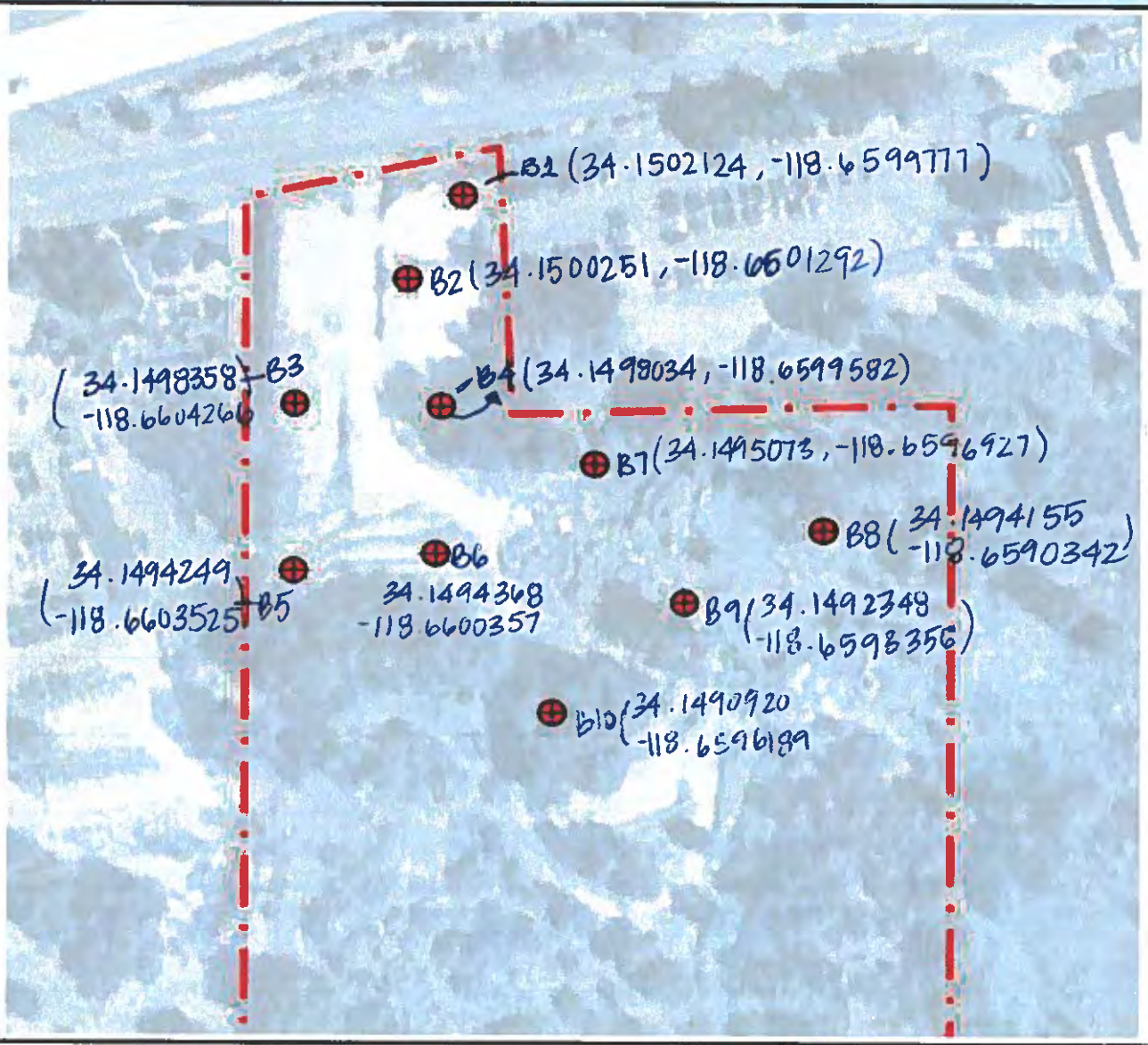
DATE: 4.9.24

CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

CLIENT	Envicom Corporation	**PAGE**	2 OF 2
PROJECT NUMBER	7109.1098.0	**CITADEL REPRESENTATIVE**	Brendan Miller, Quinn Elizondo
PROJECT NAME	Limited Phase II Site Investigation	**CONTRACTOR**	–
PROJECT WORK AREA		**SUPERVISOR**	Doug Whichard
PROJECT LOCATION	24460 Calabasas Road, Calabasas, CA		

FIELD SKETCH



CITADEL REPRESENTATIVE: Quinn Elizondo, Brendan Miller	**DAY TIME:** Monday
SIGNATURE: Quinn Elz. Brendan Miller	**DATE:** 9.9.24

Revised November 2019

SIGNATURE PAGE

The following signatures indicate that this Health and Safety Plan (HASP) has been read and accepted by all site personnel.

NAME	COMPANY	SIGNATURE	DATE
Brendan Miller	Citadel EHS	Brendan Miller	9.9.24
Quinn Elizondo	Citadel EHS	Quinn Elz	9.9.24

CITADEL EHS
assess resolve strengthen

Appendix D
Citadel Boring Logs

CITADEL EHS
assess resolve strengthen

BORING/WELL ID: B1 ~~0.5'~~

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA
PROJECT NO.: 7109.1098.0
RING LOCATION (AT SITE):
LOGGED BY: Brendan Miller, Quinn Elizondo
NTRACTOR AND DRILL RIG:
DATE/TIME (START): 9/9/24 1107 35
SOIL SAMPLING EQUIPMENT/METHOD: Hand auguering
DATE/TIME (FINISH): 9/9/24 1107 50
MONITORING DEVICE:
BORING DIAMETER (IN):
FIRST WATER (FT BGS): PROBE/SCREEN INVERVAL (FT BGS):
TOTAL BORING DEPTH (FT): 2'
STABILIZED WATER (FT BGS)/TIME: SCREEN SLOT SIZE(IN):
CONCRETE/ASPHALT THICKNESS (IN):
EVIDENCE OF NON-NATIVE FILL: Y / N
BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N
BASE MATERIAL THICKNESS (IN):

Time/Sample ID / Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construciton Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution: % Gravel	% Sand	% Silt	% Clay	Other: Plasticity H / M / L / N	Consistency*
0735					0 – 0.5		ML	~~Silt~~ Silt, NO odor, dry, fine	5		~~100~~ 95		N	
0745					0.5 – 2'		ML	~~Silty~~ clayey Silt, NO odor, dry			70	30	NL	

Plasticity
N - Nonplastic (ML)
L - Low (CL)
M - Medium (CL)
H - High (CH)

Water Level
First Encountered
Stabilized

Consistency
*Use only for silts/clays
So - Soft
M - Medium Stiff
St - Stiff
H - Hard

Recovery
Run
Recovery
No Recovery

Well Diagram
Casing/Tubing
Screen/Probe Tip
Filter Sand
Dry Bentonite
Bentonite Seal
Grout

Minor Components
< 5% Trace
5 - 10% Few
15 - 25% Little
30 - 45% Some
50 - 100% Mostly

Additional Notes:

CITADEL EHS
assess resolve strengthen

BORING/WELL ID: B2

Page 1 of 1

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA
BORING LOCATION (AT SITE):
CONTRACTOR AND DRILL RIG:
SOIL SAMPLING EQUIPMENT/METHOD: ~~Boe Jame~~ Hand augering
MONITORING DEVICE:
FIRST WATER (FT BGS): PROBE/SCREEN INVERVAL (FT BGS):
STABILIZED WATER (FT BGS)/TIME: SCREEN SLOT SIZE(IN):
EVIDENCE OF NON-NATIVE FILL: Y / N BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N

PROJECT NO.: 7109.1098.0
LOGGED BY: Brendan Miller, Quinn Elizondo
DATE/TIME (START): 9/9/24 // 0758
DATE/TIME (FINISH): 9/9/24 // 0819
BORING DIAMETER (IN):
TOTAL BORING DEPTH (FT): 2'
CONCRETE/ASPHALT THICKNESS (IN):
BASE MATERIAL THICKNESS (IN):

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construction Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution: % Gravel	% Sand	% Silt	% Clay	Other: Plasticity H / M / L / N	Consistency*
0805					0		ML	Silt with gravel, no odor, dry	20		80		N	
0815					2		ML	clayey Silt, no odor, dry, Fine grained		5	65	30	L	

Plasticity
N - Nonplastic (ML)
L - Low (CL)
M - Medium (CL)
H - High (CH)

Water Level
First Encountered
Stabilized

Consistency
*Use only for silts/clays.
So - Soft
M - Medium Stiff
St - Stiff
H - Hard

Recovery
Run
Recovery
No Recovery

Well Diagram
Casing/Tubing
Screen/Probe Tip
Filter Sand
Dry Bentonite
Bentonite Seal
Grout

Minor Components
< 5% Trace
5 - 10% Few
15 - 25% Little
30 - 45% Some
50 - 100% Mostly

Additional Notes:

CITADEL EHS
assess resolve strengthen

BORING/WELL ID: B3

Page 1 of 1

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA
BORING LOCATION (AT SITE):
CONTRACTOR AND DRILL RIG:
SOIL SAMPLING EQUIPMENT/METHOD: Hand augering
MONITORING DEVICE:
FIRST WATER (FT BGS): PROBE/SCREEN INVERVAL (FT BGS):
STABILIZED WATER (FT BGS)/TIME: SCREEN SLOT SIZE(IN):
EVIDENCE OF NON-NATIVE FILL: Y / N BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N

PROJECT NO.: 7109 1098.0
LOGGED BY: Brendan Miller, Quinn Elizondo
DATE/TIME (START): 9/9/24 // 0824
DATE/TIME (FINISH): 9/9/24 // 0840
BORING DIAMETER (IN):
TOTAL BORING DEPTH (FT): 2'
CONCRETE/ASPHALT THICKNESS (IN):
BASE MATERIAL THICKNESS (IN):

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construction Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution % Gravel	% Sand	% Silt	% Clay	Other Plasticity H / M / L / N	Consistency*
0826					0		ML	Silt w/ gravel, NO odor, dry	20		80		N	
					0.5									
0831					1		ML	~~Silt~~ dairy Silt, NO odor, dry			75	25	L	
					2									
					3									
					4									
					5									
					6									
					7									
					8									
					9									
					10									
					11									
					12									
					13									
					14									
					15									
					16									
					17									
					18									
					19									
					20									

Plasticity
N - Nonplastic (ML)
L - Low (CL)
M - Medium (CL)
H - High (CH)

Water Level
First Encountered
Stabilized

Consistency
*Use only for silts/clays
So - Soft
M - Medium Stiff
St - Stiff
H - Hard

Recovery
Run
Recovery
No Recovery

Well Diagram
Casing/Tubing
Screen/Probe Tip
Filter Sand
Dry Bentonite
Bentonite Seal
Grout

Minor Components
< 5% Trace
5 - 10% Few
15 - 25% Little
30 - 45% Some
50 - 100% Mostly

Additional Notes:

CITADEL EHS
assess resolve strengthen

BORING/WELL ID: B4

Page 1 of 1

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA
PROJECT NO.: 7109 1098.0
BORING LOCATION (AT SITE):
LOGGED BY: Brendan Miller, Quinn Elizondo
CONTRACTOR AND DRILL RIG:
DATE/TIME (START): 9/9/24 || 0845
SOIL SAMPLING EQUIPMENT/METHOD: Hand Augering
DATE/TIME (FINISH): 〃 || 0857
MONITORING DEVICE:
BORING DIAMETER (IN):
FIRST WATER (FT BGS): PROBE/SCREEN INVERVAL (FT BGS):
TOTAL BORING DEPTH (FT): 2'
STABILIZED WATER (FT BGS)/TIME: SCREEN SLOT SIZE(IN):
CONCRETE/ASPHALT THICKNESS (IN):
EVIDENCE OF NON-NATIVE FILL: Y / N
BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N
BASE MATERIAL THICKNESS (IN):

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construction Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution % Gravel	% Sand	% Silt	% Clay	Other Plasticity H / M / L / N	Consistency*
0850					0 0.5			Silt, no odor, dry			85	15	N	
0855					1 2			Silt, no odor, dry			85	15	N	
					3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20									

Plasticity
N - Nonplastic (ML)
L - Low (CL)
M - Medium (CL)
H - High (CH)

Water Level
First Encountered
Stabilized

Consistency
*Use only for silts/clays.
So - Soft
M - Medium Stiff
St - Stiff
H - Hard

Recovery
Run
Recovery
No Recovery

Well Diagram
Casing/Tubing
Screen/Probe Tip
Filter Sand
Dry Bentonite
Bentonite Seal
Grout

Minor Components
< 5% Trace
5 - 10% Few
15 - 25% Little
30 - 45% Some
50 - 100% Mostly

Additional Notes:

CITADEL EHS
assess resolve strengthen

BORING/WELL ID: B5

Page 1 of 1

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA
BORING LOCATION (AT SITE):
CONTRACTOR AND DRILL RIG:
SOIL SAMPLING EQUIPMENT/METHOD: Hand augering
MONITORING DEVICE:
FIRST WATER (FT BGS): PROBE/SCREEN INVERVAL (FT BGS):
STABILIZED WATER (FT BGS)/TIME: SCREEN SLOT SIZE(IN):
EVIDENCE OF NON-NATIVE FILL: Y / N BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N

PROJECT NO.: 7109.1098.0
LOGGED BY: Brendan Miller, Quinn Elizondo
DATE/TIME (START): 9/9/24 // 0925
DATE/TIME (FINISH): // 0940
BORING DIAMETER (IN):
TOTAL BORING DEPTH (FT): 2'
CONCRETE/ASPHALT THICKNESS (IN):
BASE MATERIAL THICKNESS (IN):

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construction Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution % Gravel	% Sand	% Silt	% Clay	Other Plasticity H / M / L / N	Consistency*
0928					0 0.5'		ML	Silt with gravel, no odor, dry	20		80		N	
0936					2		ML	Clayey silt, no odor, dry			70	30	L	

Plasticity
N - Nonplastic (ML)
L - Low (CL)
M - Medium (CL)
H - High (CH)

Water Level
First Encountered
Stabilized

Consistency
*Use only for silts/clays.
So - Soft
M - Medium Stiff
St - Stiff
H - Hard

Recovery
Run
Recovery
No Recovery

Well Diagram
Casing/Tubing
Screen/Probe Tip
Filter Sand
Dry Bentonite
Bentonite Seal
Grout

Minor Components
< 5% Trace
5 - 10% Few
15 - 25% Little
30 - 45% Some
50 - 100% Mostly

Additional Notes:

CITADEL EHS
assess resolve strengthen

BORING/WELL ID: B6

Page 1 of

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA
PROJECT NO.: 7109.1098.0
RING LOCATION (AT SITE):
LOGGED BY: Brendan Miller, Quinn Elizondo
NTRACTOR AND DRILL RIG:
DATE/TIME (START): 9/9/24 0940
SOIL SAMPLING EQUIPMENT/METHOD: Hand augering
DATE/TIME (FINISH): 1000
MONITORING DEVICE:
BORING DIAMETER (IN):
FIRST WATER (FT BGS): PROBE/SCREEN INVERVAL (FT BGS):
TOTAL BORING DEPTH (FT): 2
STABILIZED WATER (FT BGS)/TIME: SCREEN SLOT SIZE(IN):
CONCRETE/ASPHALT THICKNESS (IN):
EVIDENCE OF NON-NATIVE FILL: Y / N BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N
BASE MATERIAL THICKNESS (IN):

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construction Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution % Gravel	% Sand	% Silt	% Clay	Other Plasticity H / M / L / N	Consistency*
0944					0 6-5 1		ML	Silt w/ gravel, No odor, dry	20		80		N	
0950					2		ML	clayey Silt, No odor, dry, Fine-grained		5	65	30	L	
					3									
					4									
					5									
					6									
					7									
					8									
					9									
					10									
					11									
					12									
					13									
					14									
					15									
					16									
					17									
					18									
					19									
					20									

Plasticity
N - Nonplastic (ML)
L - Low (CL)
M - Medium (CL)
H - High (CH)

Water Level
First Encountered
Stabilized

Consistency
*Use only for silts/clays.
So - Soft
M - Medium Stiff
St - Stiff
H - Hard

Recovery
Run
Recovery
No Recovery

Well Diagram
Casing/Tubing
Screen/Probe Tip
Filter Sand
Dry Bentonite
Bentonite Seal
Grout

Minor Components
< 5% Trace
5 - 10% Few
15 - 25% Little
30 - 45% Some
50 - 100% Mostly

Additional Notes:

CITADEL EHS
assess resolve strengthen

BORING/WELL ID: B7

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA
BORING LOCATION (AT SITE):
CONTRACTOR AND DRILL RIG:
SOIL SAMPLING EQUIPMENT/METHOD: Hand augering
MONITORING DEVICE:
FIRST WATER (FT BGS): PROBE/SCREEN INVERVAL (FT BGS):
STABILIZED WATER (FT BGS)/TIME: SCREEN SLOT SIZE(IN):
EVIDENCE OF NON-NATIVE FILL: Y / N BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N

PROJECT NO.: 7109.1098.0
LOGGED BY: Brendan Miller, Quinn Elizondo
DATE/TIME (START): 9/9/24 1455
DATE/TIME (FINISH): 1015
BORING DIAMETER (IN):
TOTAL BORING DEPTH (FT): 2
CONCRETE/ASPHALT THICKNESS (IN):
BASE MATERIAL THICKNESS (IN):

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construciton Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution % Gravel	% Sand	% Silt	% Clay	Other Plasticity H / M / L / N	Consistency*
0955					0		ML	clayey silt, no odor, dry			80	20	L	
					0.5									
					1									
1000					2		ML	Silt, no odor, dry			100		N	
					3									
					4									
					5									
					6									
					7									
					8									
					9									
					10									
					11									
					12									
					13									
					14									
					15									
					16									
					17									
					18									
					19									
					20									

Plasticity
N - Nonplastic (ML)
L - Low (CL)
M - Medium (CL)
H - High (CH)

Water Level
First Encountered
Stabilized

Consistency
*Use only for silts/clays
So - Soft
M - Medium Stiff
St - Stiff
H - Hard

Recovery
Run
Recovery
No Recovery

Well Diagram
Casing/Tubing
Screen/Probe Tip
Filter Sand
Dry Bentonite
Bentonite Seal
Grout

Minor Components
< 5% Trace
5 - 10% Few
15 - 25% Little
30 - 45% Some
50 - 100% Mostly

Additional Notes:

CITADEL EHS
assess resolve strengthen

BORING/WELL ID: B8

Page 1 of 1

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA
PROJECT NO.: 7109.1098.0
BORING LOCATION (AT SITE):
LOGGED BY: Brendan Miller, Quinn Elizondo
CONTRACTOR AND DRILL RIG:
DATE/TIME (START): 9/9/24 // 1120
SOIL SAMPLING EQUIPMENT/METHOD: Hand augering
DATE/TIME (FINISH): 1150
MONITORING DEVICE:
BORING DIAMETER (IN):
FIRST WATER (FT BGS): PROBE/SCREEN INVERVAL (FT BGS):
TOTAL BORING DEPTH (FT): 2
STABILIZED WATER (FT BGS)/TIME: SCREEN SLOT SIZE(IN):
CONCRETE/ASPHALT THICKNESS (IN):
EVIDENCE OF NON-NATIVE FILL: Y / N BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N
BASE MATERIAL THICKNESS (IN):

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construction Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution % Gravel	% Sand	% Silt	% Clay	Other Plasticity H / M / L / N	Consistency*
1125					0 0.5 1		ML	Silt w/gravel, NO odor, dry	10		90		N	
1145					2		ML	Silt w/gravel, NO odor, dry	10		90		N	
					3									
					4									
					5									
					6									
					7									
					8									
					9									
					10									
					11									
					12									
					13									
					14									
					15									
					16									
					17									
					18									
					19									
					20									

Plasticity
N - Nonplastic (ML)
L - Low (CL)
M - Medium (CL)
H - High (CH)

Water Level
First Encountered
Stabilized

Consistency
*Use only for silts/clays.
So - Soft
M - Medium Stiff
St - Stiff
H - Hard

Recovery
Run
Recovery
No Recovery

Well Diagram
Casing/Tubing
Screen/Probe Tip
Filter Sand
Dry Bentonite
Bentonite Seal
Grout

Minor Components
< 5% Trace
5 - 10% Few
15 - 25% Little
30 - 45% Some
50 - 100% Mostly

Additional Notes:

CITADEL EHS
assess resolve strengthen

BORING/WELL ID: B9

Page 1 of

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA
BORING LOCATION (AT SITE):
CONTRACTOR AND DRILL RIG:
SOIL SAMPLING EQUIPMENT/METHOD: Hand Auguring
MONITORING DEVICE:
FIRST WATER (FT BGS): PROBE/SCREEN INVERVAL (FT BGS):
STABILIZED WATER (FT BGS)/TIME: SCREEN SLOT SIZE(IN):
EVIDENCE OF NON-NATIVE FILL: Y / N BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N

PROJECT NO.: 7109.1098.0
LOGGED BY: Brendan Miller, Quinn Elizondo
DATE/TIME (START): 9/9/24 1210
DATE/TIME (FINISH): 1235
BORING DIAMETER (IN):
TOTAL BORING DEPTH (FT): 2
CONCRETE/ASPHALT THICKNESS (IN):
BASE MATERIAL THICKNESS (IN):

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construciton Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution % Gravel	% Sand	% Silt	% Clay	Other Plasticity H / M / L / N	Consistency*
1213					0 05 1		ML	Clayey Silt, No odor, dry			80	20	N	
1235					2		ML	Clayey Silt, No odor, dry			80	20	N	
					3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20									

Plasticity
N - Nonplastic (ML)
L - Low (CL)
M - Medium (CL)
H - High (CH)

Water Level
First Encountered
Stabilized

Consistency
*Use only for silts/clays.
So - Soft
M - Medium Stiff
St - Stiff
H - Hard

Recovery
Run — Recovery / No Recovery

Well Diagram
Casing/Tubing
Screen/Probe Tip
Filter Sand
Dry Bentonite
Bentonite Seal
Grout

Minor Components
< 5% Trace
5 - 10% Few
15 - 25% Little
30 - 45% Some
50 - 100% Mostly

Additional Notes:

CITADEL EHS
assess resolve strengthen

BORING/WELL ID: B10

Page 1 of 1

PROJECT NAME AND ADDRESS: Limited Phase II Site Investigation / 24460 Calabasas Road, Calabasas, CA
PROJECT NO.: 7109.1098.0
RING LOCATION (AT SITE):
NTRACTOR AND DRILL RIG:
LOGGED BY: Brendan Miller, Quinn Elizondo
SOIL SAMPLING EQUIPMENT/METHOD: Hand augering
DATE/TIME (START): 9/9/24 1255
DATE/TIME (FINISH): 1320
MONITORING DEVICE:
BORING DIAMETER (IN):
FIRST WATER (FT BGS): PROBE/SCREEN INVERVAL (FT BGS):
TOTAL BORING DEPTH (FT): 2
STABILIZED WATER (FT BGS)/TIME: SCREEN SLOT SIZE(IN):
CONCRETE/ASPHALT THICKNESS (IN):
EVIDENCE OF NON-NATIVE FILL: Y / N BORING CLEARED TO 5 FT BGS (MIN.) WITH HAND AUGER: Y / N
BASE MATERIAL THICKNESS (IN):

Time/Sample ID Sample Interval	PID Reading (ppm)	Water Level	Recovery	Well Construciton Diagram	Depth (ft.)	Stratum Change (ft.)	USCS Symbol	LITHOLOGIC DESCRIPTION (USCS Group Name, color, odor, moisture, grain size/plasticity, optional descriptions)	Distribution % Gravel	% Sand	% Silt	% Clay	Other Plasticity H / M / L / N	Consistency*
1300					0		ML	Clayey Silt, dry, no odor			80	20	L	
					0.5									
					1									
1320					2		ML	Clayey Silt, dry, no odor			70	30	L	
					3									
					4									
					5									
					6									
					7									
					8									
					9									
					10									
					11									
					12									
					13									
					14									
					15									
					16									
					17									
					18									
					19									
					20									

Plasticity
N - Nonplastic (ML)
L - Low (CL)
M - Medium (CL)
H - High (CH)

Water Level
First Encountered
Stabilized

Consistency
*Use only for silts/clays
So - Soft
M - Medium Stiff
St - Stiff
H - Hard

Recovery
Run
Recovery
No Recovery

Well Diagram
Casing/Tubing
Screen/Probe Tip
Filter Sand
Dry Bentonite
Bentonite Seal
Grout

Minor Components
< 5% Trace
5 - 10% Few
15 - 25% Little
30 - 45% Some
50 - 100% Mostly

Additional Notes:

CITADEL EHS
assess resolve strengthen

Appendix E
Laboratory Reports and Chain of Custody Documentation

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 515740
Report Level : II
Report Date : 09/27/2024

Analytical Report *prepared for:*

Doug Whichard
Citadel EHS
1725 Victory Blvd
Glendale, CA 91201

Location: Limited Phase II, 24460 Calabasas Road, Calabasas, CA

Authorized for release by:



Jim Lin, Service Center Manager
818-319-2359
Jim.lin@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Doug Whichard Citadel EHS 1725 Victory Blvd Glendale, CA 91201	Lab Job #: Location: Date Received:	515740 Limited Phase II, 24460 Calabasas Road, Calabasas, CA 09/10/24	

Sample ID	Lab ID	Collected	Matrix
B1-0.5	515740-001	09/09/24 07:35	Soil
B1-2	515740-002	09/09/24 07:45	Soil
B2-0.5	515740-003	09/09/24 08:05	Soil
B2-2	515740-004	09/09/24 08:15	Soil
B3-0.5	515740-005	09/09/24 08:26	Soil
B3-2	515740-006	09/09/24 08:37	Soil
B4-0.5	515740-007	09/09/24 08:50	Soil
B4-2	515740-008	09/09/24 08:55	Soil
B5-0.5	515740-009	09/09/24 09:28	Soil
B5-2	515740-010	09/09/24 09:35	Soil
B6-0.5	515740-011	09/09/24 09:44	Soil
B6-2	515740-012	09/09/24 09:50	Soil
B7-0.5	515740-013	09/09/24 09:55	Soil
B7-2	515740-014	09/09/24 10:00	Soil
B8-0.5	515740-015	09/09/24 11:25	Soil
B8-2	515740-016	09/09/24 11:45	Soil
B9-0.5	515740-017	09/09/24 12:15	Soil
B9-2	515740-018	09/09/24 12:35	Soil
B10-0.5	515740-019	09/09/24 13:00	Soil
B10-2	515740-020	09/09/24 13:20	Soil

ENTHALPY ANALYTICAL

Case Narrative

Citadel EHS 1725 Victory Blvd Glendale, CA 91201 Doug Whichard	Lab Job Number:	515740
	Location:	Limited Phase II, 24460 Calabasas Road, Calabasas, CA
	Date Received:	09/10/24

- This data package contains sample and QC results for fourteen soil samples, requested for the above referenced project on 09/10/24. The samples were received cold and intact.
- First Additional request.

Pesticides (EPA 8081A):

- High recoveries were observed for 4,4'-DDE and endosulfan II in the MS/MSD of B1-0.5 (lab # 515740-001); the LCS was within limits.
- Response exceeding the instrument's linear range was observed for 4,4'-DDE in the MS of B1-0.5 (lab # 515740-001); affected data was qualified with "E".
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A) Soil:

- Low recoveries were observed for antimony in the MS/MSD for batch 350030; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. High recovery was observed for barium in the MS for batch 350030; the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Metals (EPA 6010B) WET Leachate:

No analytical problems were encountered.

8151A Chlorinated Herbicides (EPA 8151A):

American Environmental Testing in Burbank, CA performed the analysis (see sublab report section for certifications). Please see the American Environmental Testing case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record — Lab No: 515740 — Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, Ca. 92858
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SFA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Citadel EHS	Name:	Limited Phase II Site Investigation
Report To:	Doug Whichard	Number:	7109.1098.0
Email:	dwhichard@citadelehs.com	P.O. #:	7109.1098.0
Address:	1371 Oakland Blvd, Suite 100	Address:	24460 Calabasas Road, Calabasas, CA
	Walnut Creek, CA 94596		Calabasas, CA
Phone:	925-784-1541	Global ID:	
Fax:		Sampled By:	Quinn Elizondo

Test Instructions / Comments: IR02 3.7°C / 5.9°C

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	OCPs 8081A	Chlorinated Herbicides 8151A	Title 22 Metals 6010B	Hold
1	B1-0.5'	9/9/24	0735	S	8oz Jar	—	X	X	X	
2	B1-2'		0745							X
3	B2-0.5'		0805				X	X	X	
4	B2-B2'		0815							X
5	B3-0.5'		0826				X	X	X	
6	B3-2'		0837							X
7	B4-0.5'		0850				X	X	X	
8	B4-2'		0855							X
9	B5-0.5		0928				X	X	X	
10	B5-2'		0935							X

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Quinn Elizondo	Citadel EHS / Geologist	9/10/24 1015
1 Received By:		Sergis Pirek	EA	9/10/24 1015
2 Relinquished By:		Sergis Pirek	EA	9/10/24 1500
2 Received By:		JETH GO	ENTHALPY	9/10/24 1500
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 515740

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, Ca. 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Citadel EHS	Name:	Limited Phase II Site Investigation
Report To:	Doug Whichard	Number:	7109.1098.0
Email:	dwhichard@citadelehs.com	P.O. #:	7109.1098.0
Address:	1371 Oakland Blvd, Suite 100	Address:	24460 Calabasas Road, Calabasas, CA
	Walnut Creek, CA 94596		Calabasas, CA
Phone:	925-784-1541	Global ID:	
Fax:		Sampled By:	Quinn Elizondo

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	OCPs 8081A	Chlorinated Herbicides 8151A	Title 22 Metals 6010B								HOLD	Test Instructions / Comments
1	B6-0.5	9/9/24	0944	S	8oz Jar	—	X	X	X									IR02 3.7°C/3.9°C
2	B6-2		0950														X	
3	B7-0.5		0955				X	X	X									
4	B7-2		1000														X	
5	B8-0.5		1125				X	X	X									
6	B8-2		1145														X	
7	B9-0.5		1215				X	X	X									
8	B9-2		1235														X	
9	B10-0.5		1300				X	X	X									
10	B10-2		1320														X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Quinn Elizondo	Quinn Elizondo	Citadel EHS/Geologist	9/10/24 1015
[1] Received By:		Sargis Pikoian	EA	9/10/24 1015
[2] Relinquished By:		Sargis Pikoian	EA	9/10/24 1500
[2] Received By:		JETH CO	ENTHALPY	9/10/24 1500
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 9/10/24 WO# 515740 Client: Chadel

Section 2: Shipping / Custody

Are custody seals present? ☐ Yes ☑ No

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info:

Section 3a: Condition / Packaging

☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)

Date Opened 9/10/24 By (initials) JKC Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): ____ / ____ Thermometer/IR Gun: IR02 CF: +0.2

Cooler Temp (°C) #1: 3.7 / 3.9 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples

☑ No microbiology samples submitted (skip 3b)

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples

☑ No air samples submitted (skip 3c)

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other ____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC? JKC 9/10	✓	✓	
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments

☐ PM notified

4.6: SAMPLES 015, 016, 019, 020 ARE MISSING TIMES WRITTEN ON THE LABEL

Date Logged 9/10/24 By (print) [illegible] (sign) [illegible]

Date Labeled 9/10/24 By (print) JETH CO (sign) [illegible]

Outlook

[External] - RE: Limited Phase II, 24460 Calabasas Road, Calabasas, CA - Enthalpy Data (515740)

From Doug Whichard <dwhichard@citadelehs.com>
Date Thu 9/19/2024 5:00 PM
To Jim Lin <Jim.lin@enthalpy.com>
Cc Brendan Englert <benglert@citadelehs.com>

2 attachments (2 MB)
515740_level2.pdf; 515740_standard_excel_pivot.zip;

Hi Jim,
Please run the following additional analyses:

- 8081A – B1-2, B4-2, B10-2
- 6010B – B8-2 (Arsenic only)
- STLC for chromium – B1-0.5, B4-0.5, B7-0.5, B8-0.5

Will these take another 5-7 business days?

Thanks

Doug Whichard
Senior Scientist, Engineering & Environmental Sciences

CITADEL EHS
assess • resolve • strengthen

Walnut Creek Office
1371 Oakland Blvd., Suite 100 GSA Advantage!
Walnut Creek, CA 94596
O:818.246.2707| **C:** 925.784.1541
www.CitadelEHS.com
Glendale | Irvine | Valencia | Long Beach | San Diego | Walnut Creek | Grass Valley | Seattle | Charlotte
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From: Jim Lin <Jim.lin@enthalpy.com>
Sent: Thursday, September 19, 2024 4:24 PM
To: Doug Whichard <dwhichard@citadelehs.com>
Subject: Limited Phase II, 24460 Calabasas Road, Calabasas, CA - Enthalpy Data (515740)

CAUTION: This email originated from outside of the organization! Do not click links, open attachments or reply, unless you recognize the sender's email address and know the content is safe!

Hi Doug,

Please let us know if you will need additional analysis.

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

Please find attached the following files:
• PDF Deliverable
• Standard Pivot Table EDD (515740_standard_excel_pivot.zip)

You may also access this data at https://labline-orange.enthalpy.com/

Jim Lin
Service Center Manager

931 W. Barkley Ave., Orange, CA 92868
O: 714-771-6900 M: 818-319-2359
Jim.Lin@enthalpy.com

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ENTHALPY ANALYTICAL

Analysis Results for 515740

Doug Whichard
Citadel EHS
1725 Victory Blvd
Glendale, CA 91201

Lab Job #: 515740
Location: Limited Phase II, 24460 Calabasas Road, Calabasas, CA
Date Received: 09/10/24

Sample ID: B1-0.5 **Lab ID: 515740-001** **Collected: 09/09/24 07:35**

515740-001 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B											
Antimony	ND		mg/Kg	2.9	1.2	Soil	0.97	350030	09/12/24	09/13/24	SBW
Arsenic	**7.4**		mg/Kg	0.97	0.53	Soil	0.97	350030	09/12/24	09/13/24	SBW
Barium	**250**		mg/Kg	0.97	0.38	Soil	0.97	350030	09/12/24	09/13/24	SBW
Beryllium	**0.56**		mg/Kg	0.49	0.021	Soil	0.97	350030	09/12/24	09/13/24	SBW
Cadmium	**4.9**		mg/Kg	0.49	0.051	Soil	0.97	350030	09/12/24	09/13/24	SBW
Chromium	**57**		mg/Kg	0.97	0.22	Soil	0.97	350030	09/12/24	09/13/24	SBW
Cobalt	**6.3**		mg/Kg	0.49	0.22	Soil	0.97	350030	09/12/24	09/13/24	SBW
Copper	**38**		mg/Kg	0.97	0.63	Soil	0.97	350030	09/12/24	09/13/24	SBW
Lead	**14**		mg/Kg	0.97	0.73	Soil	0.97	350030	09/12/24	09/13/24	SBW
Molybdenum	**9.4**		mg/Kg	0.97	0.53	Soil	0.97	350030	09/12/24	09/13/24	SBW
Nickel	**71**		mg/Kg	0.97	0.44	Soil	0.97	350030	09/12/24	09/13/24	SBW
Selenium	**0.92**	J	mg/Kg	2.9	0.87	Soil	0.97	350030	09/12/24	09/13/24	SBW
Silver	**0.26**	J	mg/Kg	0.49	0.17	Soil	0.97	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	2.9	0.92	Soil	0.97	350030	09/12/24	09/13/24	SBW
Vanadium	**110**		mg/Kg	0.97	0.16	Soil	0.97	350030	09/12/24	09/13/24	SBW
Zinc	**120**		mg/Kg	4.9	1.5	Soil	0.97	350030	09/12/24	09/13/24	SBW
Method: EPA 6010B Prep Method: METHOD											
Chromium	**0.12**	J	mg/L	0.30	0.0074	WET Leachate	10	350871	09/23/24	09/23/24	SBW
Method: EPA 7471A Prep Method: METHOD											
Mercury	ND		mg/Kg	0.16	0.059	Soil	1.2	350018	09/12/24	09/13/24	MLL
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	2.3	Soil	1	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	5.0	2.0	Soil	1	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	5.0	2.3	Soil	1	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDE	**100**		ug/Kg	5.0	3.1	Soil	1	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	5.0	2.4	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.2	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	5.0	2.0	Soil	1	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	5.0	4.8	Soil	1	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDT	**39**		ug/Kg	5.0	2.7	Soil	1	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	10	4.4	Soil	1	349964	09/12/24	09/13/24	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 515740

515740-001 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Toxaphene	ND		ug/Kg	100	65	Soil	1	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	**140**		ug/Kg	50	27	Soil	1	349964	09/12/24	09/13/24	MES
Surrogates				**Limits**							
TCMX	85%		%REC	23-120		Soil	1	349964	09/12/24	09/13/24	MES
Decachlorobiphenyl	105%		%REC	24-120		Soil	1	349964	09/12/24	09/13/24	MES

Sample ID: B1-2 **Lab ID: 515740-002** **Collected: 09/09/24 07:45**
Matrix: Soil

515740-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	2.3	0.99	350787	09/21/24	09/21/24	MES
beta-BHC	ND		ug/Kg	5.0	2.6	0.99	350787	09/21/24	09/21/24	MES
gamma-BHC	ND		ug/Kg	5.0	2.5	0.99	350787	09/21/24	09/21/24	MES
delta-BHC	ND		ug/Kg	5.0	2.0	0.99	350787	09/21/24	09/21/24	MES
Heptachlor	ND		ug/Kg	5.0	2.3	0.99	350787	09/21/24	09/21/24	MES
Aldrin	ND		ug/Kg	5.0	2.4	0.99	350787	09/21/24	09/21/24	MES
Heptachlor epoxide	ND		ug/Kg	5.0	2.5	0.99	350787	09/21/24	09/21/24	MES
Endosulfan I	ND		ug/Kg	5.0	2.6	0.99	350787	09/21/24	09/21/24	MES
Dieldrin	ND		ug/Kg	5.0	2.5	0.99	350787	09/21/24	09/21/24	MES
4,4'-DDE	**25**		ug/Kg	5.0	3.1	0.99	350787	09/21/24	09/21/24	MES
Endrin	ND		ug/Kg	5.0	2.4	0.99	350787	09/21/24	09/21/24	MES
Endosulfan II	ND		ug/Kg	5.0	2.5	0.99	350787	09/21/24	09/21/24	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.1	0.99	350787	09/21/24	09/21/24	MES
4,4'-DDD	ND		ug/Kg	5.0	1.9	0.99	350787	09/21/24	09/21/24	MES
Endrin aldehyde	ND		ug/Kg	5.0	4.7	0.99	350787	09/21/24	09/21/24	MES
Endrin ketone	ND		ug/Kg	5.0	2.5	0.99	350787	09/21/24	09/21/24	MES
4,4'-DDT	**3.5**	#,J	ug/Kg	5.0	2.6	0.99	350787	09/21/24	09/21/24	MES
Methoxychlor	ND		ug/Kg	9.9	4.4	0.99	350787	09/21/24	09/21/24	MES
Toxaphene	ND		ug/Kg	99	65	0.99	350787	09/21/24	09/21/24	MES
Chlordane (Technical)	ND		ug/Kg	50	26	0.99	350787	09/21/24	09/21/24	MES
Surrogates				**Limits**						
TCMX	70%		%REC	23-120		0.99	350787	09/21/24	09/21/24	MES
Decachlorobiphenyl	61%		%REC	24-120		0.99	350787	09/21/24	09/21/24	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 515740

Sample ID: B2-0.5	Lab ID: 515740-003	Collected: 09/09/24 08:05
	Matrix: Soil	

515740-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	1.2	0.96	350030	09/12/24	09/13/24	SBW
Arsenic	**5.4**		mg/Kg	0.96	0.52	0.96	350030	09/12/24	09/13/24	SBW
Barium	**86**		mg/Kg	0.96	0.38	0.96	350030	09/12/24	09/13/24	SBW
Beryllium	**0.33**	J	mg/Kg	0.48	0.021	0.96	350030	09/12/24	09/13/24	SBW
Cadmium	**0.91**		mg/Kg	0.48	0.051	0.96	350030	09/12/24	09/13/24	SBW
Chromium	**17**		mg/Kg	0.96	0.22	0.96	350030	09/12/24	09/13/24	SBW
Cobalt	**5.2**		mg/Kg	0.48	0.21	0.96	350030	09/12/24	09/13/24	SBW
Copper	**21**		mg/Kg	0.96	0.62	0.96	350030	09/12/24	09/13/24	SBW
Lead	**9.8**		mg/Kg	0.96	0.72	0.96	350030	09/12/24	09/13/24	SBW
Molybdenum	**2.0**		mg/Kg	0.96	0.52	0.96	350030	09/12/24	09/13/24	SBW
Nickel	**15**		mg/Kg	0.96	0.44	0.96	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	2.9	0.86	0.96	350030	09/12/24	09/13/24	SBW
Silver	ND		mg/Kg	0.48	0.17	0.96	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	2.9	0.91	0.96	350030	09/12/24	09/13/24	SBW
Vanadium	**38**		mg/Kg	0.96	0.15	0.96	350030	09/12/24	09/13/24	SBW
Zinc	**48**		mg/Kg	4.8	1.5	0.96	350030	09/12/24	09/13/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.073**	J	mg/Kg	0.15	0.056	1.1	350018	09/12/24	09/13/24	MLL
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	2.4	1	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	5.1	2.1	1	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	5.1	2.4	1	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	5.1	2.5	1	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
4,4'-DDE	ND		ug/Kg	5.1	3.2	1	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	5.1	2.4	1	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.2	1	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	5.1	2.0	1	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	5.1	4.9	1	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
4,4'-DDT	ND		ug/Kg	5.1	2.7	1	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	10	4.5	1	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	100	67	1	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	ND		ug/Kg	51	28	1	349964	09/12/24	09/13/24	MES
Surrogates				**Limits**						
TCMX	85%		%REC	23-120		1	349964	09/12/24	09/13/24	MES
Decachlorobiphenyl	106%		%REC	24-120		1	349964	09/12/24	09/13/24	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515740

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515740

Sample ID: B3-0.5	Lab ID: 515740-005	Collected: 09/09/24 08:26
	Matrix: Soil	

515740-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.2	1	350030	09/12/24	09/13/24	SBW
Arsenic	**6.4**		mg/Kg	1.0	0.54	1	350030	09/12/24	09/13/24	SBW
Barium	**240**		mg/Kg	1.0	0.40	1	350030	09/12/24	09/13/24	SBW
Beryllium	**0.46**	J	mg/Kg	0.50	0.022	1	350030	09/12/24	09/13/24	SBW
Cadmium	**3.6**		mg/Kg	0.50	0.053	1	350030	09/12/24	09/13/24	SBW
Chromium	**43**		mg/Kg	1.0	0.23	1	350030	09/12/24	09/13/24	SBW
Cobalt	**5.4**		mg/Kg	0.50	0.22	1	350030	09/12/24	09/13/24	SBW
Copper	**26**		mg/Kg	1.0	0.65	1	350030	09/12/24	09/13/24	SBW
Lead	**5.9**		mg/Kg	1.0	0.75	1	350030	09/12/24	09/13/24	SBW
Molybdenum	**7.7**		mg/Kg	1.0	0.55	1	350030	09/12/24	09/13/24	SBW
Nickel	**48**		mg/Kg	1.0	0.45	1	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	3.0	0.90	1	350030	09/12/24	09/13/24	SBW
Silver	ND		mg/Kg	0.50	0.17	1	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	3.0	0.95	1	350030	09/12/24	09/13/24	SBW
Vanadium	**85**		mg/Kg	1.0	0.16	1	350030	09/12/24	09/13/24	SBW
Zinc	**68**		mg/Kg	5.0	1.6	1	350030	09/12/24	09/13/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.15	0.056	1.1	350018	09/12/24	09/13/24	MLL
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	2.4	1	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	5.1	2.1	1	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	5.1	2.3	1	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	5.1	2.5	1	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	2.5	1	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	5.1	2.5	1	349964	09/12/24	09/13/24	MES
4,4'-DDE	ND		ug/Kg	5.1	3.2	1	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	5.1	2.4	1	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.2	1	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	5.1	2.0	1	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	5.1	4.8	1	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
4,4'-DDT	ND		ug/Kg	5.1	2.7	1	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	10	4.5	1	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	100	66	1	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	ND		ug/Kg	51	28	1	349964	09/12/24	09/13/24	MES
Surrogates				**Limits**						
TCMX	81%		%REC	23-120		1	349964	09/12/24	09/13/24	MES
Decachlorobiphenyl	102%		%REC	24-120		1	349964	09/12/24	09/13/24	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515740

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515740

Sample ID: B4-0.5	Lab ID: 515740-007	Collected: 09/09/24 08:50

515740-007 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B											
Antimony	ND		mg/Kg	2.9	1.1	Soil	0.95	350030	09/12/24	09/13/24	SBW
Arsenic	**7.7**		mg/Kg	0.95	0.52	Soil	0.95	350030	09/12/24	09/13/24	SBW
Barium	**190**		mg/Kg	0.95	0.38	Soil	0.95	350030	09/12/24	09/13/24	SBW
Beryllium	**0.49**		mg/Kg	0.48	0.021	Soil	0.95	350030	09/12/24	09/13/24	SBW
Cadmium	**3.8**		mg/Kg	0.48	0.050	Soil	0.95	350030	09/12/24	09/13/24	SBW
Chromium	**52**		mg/Kg	0.95	0.22	Soil	0.95	350030	09/12/24	09/13/24	SBW
Cobalt	**5.9**		mg/Kg	0.48	0.21	Soil	0.95	350030	09/12/24	09/13/24	SBW
Copper	**38**		mg/Kg	0.95	0.62	Soil	0.95	350030	09/12/24	09/13/24	SBW
Lead	**12**		mg/Kg	0.95	0.71	Soil	0.95	350030	09/12/24	09/13/24	SBW
Molybdenum	**8.7**		mg/Kg	0.95	0.52	Soil	0.95	350030	09/12/24	09/13/24	SBW
Nickel	**58**		mg/Kg	0.95	0.43	Soil	0.95	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	2.9	0.86	Soil	0.95	350030	09/12/24	09/13/24	SBW
Silver	**0.22**	J	mg/Kg	0.48	0.17	Soil	0.95	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	2.9	0.90	Soil	0.95	350030	09/12/24	09/13/24	SBW
Vanadium	**110**		mg/Kg	0.95	0.15	Soil	0.95	350030	09/12/24	09/13/24	SBW
Zinc	**430**		mg/Kg	4.8	1.5	Soil	0.95	350030	09/12/24	09/13/24	SBW
Method: EPA 6010B Prep Method: METHOD											
Chromium	**0.11**	J	mg/L	0.30	0.0074	WET Leachate	10	350871	09/23/24	09/23/24	SBW
Method: EPA 7471A Prep Method: METHOD											
Mercury	**0.061**	J	mg/Kg	0.15	0.056	Soil	1.1	350018	09/12/24	09/13/24	MLL
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	2.3	Soil	1	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	5.0	2.0	Soil	1	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	5.0	2.3	Soil	1	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDE	**9.9**		ug/Kg	5.0	3.1	Soil	1	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	5.0	2.4	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.2	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	5.0	2.0	Soil	1	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	5.0	4.8	Soil	1	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDT	**35**		ug/Kg	5.0	2.7	Soil	1	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	10	4.4	Soil	1	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	100	65	Soil	1	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	**29**	J	ug/Kg	50	26	Soil	1	349964	09/12/24	09/13/24	MES
Surrogates				**Limits**							
TCMX	90%		%REC	23-120		Soil	1	349964	09/12/24	09/13/24	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515740

515740-007 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Decachlorobiphenyl	116%		%REC	24-120		Soil	1	349964	09/12/24	09/13/24	MES

Sample ID: B4-2 **Lab ID: 515740-008** **Collected: 09/09/24 08:55**
Matrix: Soil

515740-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	2.4	1	350787	09/21/24	09/21/24	MES
beta-BHC	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES
gamma-BHC	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES
delta-BHC	ND		ug/Kg	5.1	2.1	1	350787	09/21/24	09/21/24	MES
Heptachlor	ND		ug/Kg	5.1	2.3	1	350787	09/21/24	09/21/24	MES
Aldrin	ND		ug/Kg	5.1	2.5	1	350787	09/21/24	09/21/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	2.5	1	350787	09/21/24	09/21/24	MES
Endosulfan I	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES
Dieldrin	ND		ug/Kg	5.1	2.5	1	350787	09/21/24	09/21/24	MES
4,4'-DDE	ND		ug/Kg	5.1	3.2	1	350787	09/21/24	09/21/24	MES
Endrin	ND		ug/Kg	5.1	2.4	1	350787	09/21/24	09/21/24	MES
Endosulfan II	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.2	1	350787	09/21/24	09/21/24	MES
4,4'-DDD	ND		ug/Kg	5.1	2.0	1	350787	09/21/24	09/21/24	MES
Endrin aldehyde	ND		ug/Kg	5.1	4.8	1	350787	09/21/24	09/21/24	MES
Endrin ketone	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES
4,4'-DDT	ND		ug/Kg	5.1	2.7	1	350787	09/21/24	09/21/24	MES
Methoxychlor	ND		ug/Kg	10	4.5	1	350787	09/21/24	09/21/24	MES
Toxaphene	ND		ug/Kg	100	66	1	350787	09/21/24	09/21/24	MES
Chlordane (Technical)	ND		ug/Kg	51	28	1	350787	09/21/24	09/21/24	MES
Surrogates				**Limits**						
TCMX	64%		%REC	23-120		1	350787	09/21/24	09/21/24	MES
Decachlorobiphenyl	57%		%REC	24-120		1	350787	09/21/24	09/21/24	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515740

Sample ID: B5-0.5	Lab ID: 515740-009	Collected: 09/09/24 09:28
	Matrix: Soil	

515740-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	1.2	0.96	350030	09/12/24	09/13/24	SBW
Arsenic	**5.9**		mg/Kg	0.96	0.52	0.96	350030	09/12/24	09/13/24	SBW
Barium	**160**		mg/Kg	0.96	0.38	0.96	350030	09/12/24	09/13/24	SBW
Beryllium	**0.30**	J	mg/Kg	0.48	0.021	0.96	350030	09/12/24	09/13/24	SBW
Cadmium	**1.2**		mg/Kg	0.48	0.051	0.96	350030	09/12/24	09/13/24	SBW
Chromium	**20**		mg/Kg	0.96	0.22	0.96	350030	09/12/24	09/13/24	SBW
Cobalt	**3.9**		mg/Kg	0.48	0.21	0.96	350030	09/12/24	09/13/24	SBW
Copper	**13**		mg/Kg	0.96	0.62	0.96	350030	09/12/24	09/13/24	SBW
Lead	**5.2**		mg/Kg	0.96	0.72	0.96	350030	09/12/24	09/13/24	SBW
Molybdenum	**3.3**		mg/Kg	0.96	0.52	0.96	350030	09/12/24	09/13/24	SBW
Nickel	**22**		mg/Kg	0.96	0.44	0.96	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	2.9	0.86	0.96	350030	09/12/24	09/13/24	SBW
Silver	ND		mg/Kg	0.48	0.17	0.96	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	2.9	0.91	0.96	350030	09/12/24	09/13/24	SBW
Vanadium	**40**		mg/Kg	0.96	0.15	0.96	350030	09/12/24	09/13/24	SBW
Zinc	**36**		mg/Kg	4.8	1.5	0.96	350030	09/12/24	09/13/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.15	0.056	1.1	350018	09/12/24	09/13/24	MLL
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	2.4	1	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	5.1	2.1	1	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	5.1	2.3	1	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	5.1	2.5	1	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	2.5	1	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	5.1	2.5	1	349964	09/12/24	09/13/24	MES
4,4'-DDE	ND		ug/Kg	5.1	3.2	1	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	5.1	2.4	1	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.2	1	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	5.1	2.0	1	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	5.1	4.8	1	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	5.1	2.6	1	349964	09/12/24	09/13/24	MES
4,4'-DDT	ND		ug/Kg	5.1	2.7	1	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	10	4.5	1	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	100	66	1	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	ND		ug/Kg	51	28	1	349964	09/12/24	09/13/24	MES
Surrogates				**Limits**						
TCMX	81%		%REC	23-120		1	349964	09/12/24	09/13/24	MES
Decachlorobiphenyl	83%		%REC	24-120		1	349964	09/12/24	09/13/24	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515740

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515740

Sample ID: B6-0.5	Lab ID: 515740-011	Collected: 09/09/24 09:44
	Matrix: Soil	

515740-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.2	0.99	350030	09/12/24	09/13/24	SBW
Arsenic	**7.0**		mg/Kg	0.99	0.54	0.99	350030	09/12/24	09/13/24	SBW
Barium	**160**		mg/Kg	0.99	0.39	0.99	350030	09/12/24	09/13/24	SBW
Beryllium	**0.36**	J	mg/Kg	0.50	0.021	0.99	350030	09/12/24	09/13/24	SBW
Cadmium	**2.0**		mg/Kg	0.50	0.052	0.99	350030	09/12/24	09/13/24	SBW
Chromium	**24**		mg/Kg	0.99	0.23	0.99	350030	09/12/24	09/13/24	SBW
Cobalt	**3.4**		mg/Kg	0.50	0.22	0.99	350030	09/12/24	09/13/24	SBW
Copper	**13**		mg/Kg	0.99	0.64	0.99	350030	09/12/24	09/13/24	SBW
Lead	**3.2**		mg/Kg	0.99	0.74	0.99	350030	09/12/24	09/13/24	SBW
Molybdenum	**3.5**		mg/Kg	0.99	0.54	0.99	350030	09/12/24	09/13/24	SBW
Nickel	**22**		mg/Kg	0.99	0.45	0.99	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	3.0	0.89	0.99	350030	09/12/24	09/13/24	SBW
Silver	ND		mg/Kg	0.50	0.17	0.99	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	3.0	0.94	0.99	350030	09/12/24	09/13/24	SBW
Vanadium	**51**		mg/Kg	0.99	0.16	0.99	350030	09/12/24	09/13/24	SBW
Zinc	**34**		mg/Kg	5.0	1.6	0.99	350030	09/12/24	09/13/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.17	0.061	1.2	350018	09/12/24	09/13/24	MLL
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	2.3	0.98	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	4.9	2.0	0.98	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	4.9	2.3	0.98	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	4.9	2.4	0.98	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
4,4'-DDE	ND		ug/Kg	4.9	3.1	0.98	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	4.9	2.3	0.98	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	4.9	2.1	0.98	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	4.9	1.9	0.98	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	4.9	4.7	0.98	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
4,4'-DDT	ND		ug/Kg	4.9	2.6	0.98	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	9.8	4.4	0.98	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	98	64	0.98	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	ND		ug/Kg	49	27	0.98	349964	09/12/24	09/13/24	MES
Surrogates				**Limits**						
TCMX	75%		%REC	23-120		0.98	349964	09/12/24	09/13/24	MES
Decachlorobiphenyl	90%		%REC	24-120		0.98	349964	09/12/24	09/13/24	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515740

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515740

Sample ID: B7-0.5	Lab ID: 515740-013	Collected: 09/09/24 09:55

515740-013 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B											
Antimony	ND		mg/Kg	2.9	1.2	Soil	0.96	350030	09/12/24	09/13/24	SBW
Arsenic	**7.6**		mg/Kg	0.96	0.52	Soil	0.96	350030	09/12/24	09/13/24	SBW
Barium	**260**		mg/Kg	0.96	0.38	Soil	0.96	350030	09/12/24	09/13/24	SBW
Beryllium	**0.59**		mg/Kg	0.48	0.021	Soil	0.96	350030	09/12/24	09/13/24	SBW
Cadmium	**5.5**		mg/Kg	0.48	0.051	Soil	0.96	350030	09/12/24	09/13/24	SBW
Chromium	**64**		mg/Kg	0.96	0.22	Soil	0.96	350030	09/12/24	09/13/24	SBW
Cobalt	**6.4**		mg/Kg	0.48	0.21	Soil	0.96	350030	09/12/24	09/13/24	SBW
Copper	**39**		mg/Kg	0.96	0.62	Soil	0.96	350030	09/12/24	09/13/24	SBW
Lead	**4.4**		mg/Kg	0.96	0.72	Soil	0.96	350030	09/12/24	09/13/24	SBW
Molybdenum	**11**		mg/Kg	0.96	0.52	Soil	0.96	350030	09/12/24	09/13/24	SBW
Nickel	**77**		mg/Kg	0.96	0.44	Soil	0.96	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	2.9	0.86	Soil	0.96	350030	09/12/24	09/13/24	SBW
Silver	**0.19**	J	mg/Kg	0.48	0.17	Soil	0.96	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	2.9	0.91	Soil	0.96	350030	09/12/24	09/13/24	SBW
Vanadium	**140**		mg/Kg	0.96	0.15	Soil	0.96	350030	09/12/24	09/13/24	SBW
Zinc	**88**		mg/Kg	4.8	1.5	Soil	0.96	350030	09/12/24	09/13/24	SBW
Method: EPA 6010B Prep Method: METHOD											
Chromium	**0.019**	J	mg/L	0.30	0.0074	WET Leachate	10	350871	09/23/24	09/23/24	SBW
Method: EPA 7471A Prep Method: METHOD											
Mercury	ND		mg/Kg	0.16	0.059	Soil	1.2	350018	09/12/24	09/13/24	MLL
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	2.3	Soil	1	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	5.0	2.0	Soil	1	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	5.0	2.3	Soil	1	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDE	ND		ug/Kg	5.0	3.1	Soil	1	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	5.0	2.4	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	5.0	2.5	Soil	1	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.2	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	5.0	2.0	Soil	1	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	5.0	4.8	Soil	1	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	5.0	2.6	Soil	1	349964	09/12/24	09/13/24	MES
4,4'-DDT	ND		ug/Kg	5.0	2.7	Soil	1	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	10	4.4	Soil	1	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	100	65	Soil	1	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	ND		ug/Kg	50	27	Soil	1	349964	09/12/24	09/13/24	MES
Surrogates				**Limits**							
TCMX	75%		%REC	23-120		Soil	1	349964	09/12/24	09/13/24	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515740

515740-013 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Decachlorobiphenyl	93%		%REC	24-120		Soil	1	349964	09/12/24	09/13/24	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515740

Sample ID: B8-0.5	Lab ID: 515740-015	Collected: 09/09/24 11:25

515740-015 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B											
Antimony	ND		mg/Kg	2.9	1.2	Soil	0.97	350030	09/12/24	09/13/24	SBW
Arsenic	**14**		mg/Kg	0.97	0.53	Soil	0.97	350030	09/12/24	09/13/24	SBW
Barium	**400**		mg/Kg	0.97	0.38	Soil	0.97	350030	09/12/24	09/13/24	SBW
Beryllium	**0.49**		mg/Kg	0.49	0.021	Soil	0.97	350030	09/12/24	09/13/24	SBW
Cadmium	**7.6**		mg/Kg	0.49	0.051	Soil	0.97	350030	09/12/24	09/13/24	SBW
Chromium	**55**		mg/Kg	0.97	0.22	Soil	0.97	350030	09/12/24	09/13/24	SBW
Cobalt	**3.4**		mg/Kg	0.49	0.22	Soil	0.97	350030	09/12/24	09/13/24	SBW
Copper	**47**		mg/Kg	0.97	0.63	Soil	0.97	350030	09/12/24	09/13/24	SBW
Lead	**3.8**		mg/Kg	0.97	0.73	Soil	0.97	350030	09/12/24	09/13/24	SBW
Molybdenum	**9.9**		mg/Kg	0.97	0.53	Soil	0.97	350030	09/12/24	09/13/24	SBW
Nickel	**98**		mg/Kg	0.97	0.44	Soil	0.97	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	2.9	0.87	Soil	0.97	350030	09/12/24	09/13/24	SBW
Silver	**0.18**	J	mg/Kg	0.49	0.17	Soil	0.97	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	2.9	0.92	Soil	0.97	350030	09/12/24	09/13/24	SBW
Vanadium	**150**		mg/Kg	0.97	0.16	Soil	0.97	350030	09/12/24	09/13/24	SBW
Zinc	**100**		mg/Kg	4.9	1.5	Soil	0.97	350030	09/12/24	09/13/24	SBW
Method: EPA 6010B Prep Method: METHOD											
Chromium	**0.018**	J	mg/L	0.30	0.0074	WET Leachate	10	350871	09/23/24	09/23/24	SBW
Method: EPA 7471A Prep Method: METHOD											
Mercury	**0.095**	J	mg/Kg	0.16	0.058	Soil	1.1	350364	09/17/24	09/17/24	MLL
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	2.3	Soil	0.99	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	5.0	2.6	Soil	0.99	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	5.0	2.5	Soil	0.99	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	5.0	2.0	Soil	0.99	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	5.0	2.3	Soil	0.99	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	5.0	2.4	Soil	0.99	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	5.0	2.5	Soil	0.99	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	5.0	2.6	Soil	0.99	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	5.0	2.5	Soil	0.99	349964	09/12/24	09/13/24	MES
4,4'-DDE	ND		ug/Kg	5.0	3.1	Soil	0.99	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	5.0	2.4	Soil	0.99	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	5.0	2.5	Soil	0.99	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.1	Soil	0.99	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	5.0	1.9	Soil	0.99	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	5.0	4.7	Soil	0.99	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	5.0	2.5	Soil	0.99	349964	09/12/24	09/13/24	MES
4,4'-DDT	ND		ug/Kg	5.0	2.6	Soil	0.99	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	9.9	4.4	Soil	0.99	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	99	65	Soil	0.99	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	ND		ug/Kg	50	27	Soil	0.99	349964	09/12/24	09/13/24	MES
Surrogates				**Limits**							
TCMX	36%		%REC	23-120		Soil	0.99	349964	09/12/24	09/13/24	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 515740

515740-015 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Decachlorobiphenyl	49%		%REC	24-120		Soil	0.99	349964	09/12/24	09/13/24	MES

Sample ID: B8-2 **Lab ID: 515740-016** **Collected: 09/09/24 11:45**
Matrix: Soil

515740-016 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Arsenic	**14**		mg/Kg	0.95	0.68	0.95	350874	09/23/24	09/23/24	SBW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515740

Sample ID: B9-0.5	Lab ID: 515740-017	Collected: 09/09/24 12:15
	Matrix: Soil	

515740-017 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	1.2	0.96	350030	09/12/24	09/13/24	SBW
Arsenic	**5.6**		mg/Kg	0.96	0.52	0.96	350030	09/12/24	09/13/24	SBW
Barium	**200**		mg/Kg	0.96	0.38	0.96	350030	09/12/24	09/13/24	SBW
Beryllium	**0.35**	J	mg/Kg	0.48	0.021	0.96	350030	09/12/24	09/13/24	SBW
Cadmium	**3.7**		mg/Kg	0.48	0.051	0.96	350030	09/12/24	09/13/24	SBW
Chromium	**46**		mg/Kg	0.96	0.22	0.96	350030	09/12/24	09/13/24	SBW
Cobalt	**3.9**		mg/Kg	0.48	0.21	0.96	350030	09/12/24	09/13/24	SBW
Copper	**47**		mg/Kg	0.96	0.62	0.96	350030	09/12/24	09/13/24	SBW
Lead	**14**		mg/Kg	0.96	0.72	0.96	350030	09/12/24	09/13/24	SBW
Molybdenum	**6.2**		mg/Kg	0.96	0.52	0.96	350030	09/12/24	09/13/24	SBW
Nickel	**49**		mg/Kg	0.96	0.44	0.96	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	2.9	0.86	0.96	350030	09/12/24	09/13/24	SBW
Silver	**0.50**		mg/Kg	0.48	0.17	0.96	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	2.9	0.91	0.96	350030	09/12/24	09/13/24	SBW
Vanadium	**88**		mg/Kg	0.96	0.15	0.96	350030	09/12/24	09/13/24	SBW
Zinc	**110**		mg/Kg	4.8	1.5	0.96	350030	09/12/24	09/13/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.11**	J	mg/Kg	0.16	0.057	1.1	350364	09/17/24	09/17/24	MLL
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	2.3	0.98	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	4.9	2.0	0.98	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	4.9	2.3	0.98	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	4.9	2.4	0.98	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
4,4'-DDE	ND		ug/Kg	4.9	3.1	0.98	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	4.9	2.3	0.98	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	4.9	2.1	0.98	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	4.9	1.9	0.98	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	4.9	4.7	0.98	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	4.9	2.5	0.98	349964	09/12/24	09/13/24	MES
4,4'-DDT	ND		ug/Kg	4.9	2.6	0.98	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	9.8	4.4	0.98	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	98	64	0.98	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	ND		ug/Kg	49	27	0.98	349964	09/12/24	09/13/24	MES
Surrogates				**Limits**						
TCMX	75%		%REC	23-120		0.98	349964	09/12/24	09/13/24	MES
Decachlorobiphenyl	89%		%REC	24-120		0.98	349964	09/12/24	09/13/24	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 515740

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515740

Sample ID: B10-0.5	Lab ID: 515740-019	Collected: 09/09/24 13:00
	Matrix: Soil	

515740-019 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.2	1	350030	09/12/24	09/13/24	SBW
Arsenic	**6.6**		mg/Kg	1.0	0.54	1	350030	09/12/24	09/13/24	SBW
Barium	**250**		mg/Kg	1.0	0.40	1	350030	09/12/24	09/13/24	SBW
Beryllium	**0.44**	J	mg/Kg	0.50	0.022	1	350030	09/12/24	09/13/24	SBW
Cadmium	**3.7**		mg/Kg	0.50	0.053	1	350030	09/12/24	09/13/24	SBW
Chromium	**44**		mg/Kg	1.0	0.23	1	350030	09/12/24	09/13/24	SBW
Cobalt	**5.4**		mg/Kg	0.50	0.22	1	350030	09/12/24	09/13/24	SBW
Copper	**32**		mg/Kg	1.0	0.65	1	350030	09/12/24	09/13/24	SBW
Lead	**12**		mg/Kg	1.0	0.75	1	350030	09/12/24	09/13/24	SBW
Molybdenum	**8.5**		mg/Kg	1.0	0.55	1	350030	09/12/24	09/13/24	SBW
Nickel	**52**		mg/Kg	1.0	0.45	1	350030	09/12/24	09/13/24	SBW
Selenium	ND		mg/Kg	3.0	0.90	1	350030	09/12/24	09/13/24	SBW
Silver	**0.18**	J	mg/Kg	0.50	0.17	1	350030	09/12/24	09/13/24	SBW
Thallium	ND		mg/Kg	3.0	0.95	1	350030	09/12/24	09/13/24	SBW
Vanadium	**87**		mg/Kg	1.0	0.16	1	350030	09/12/24	09/13/24	SBW
Zinc	**95**		mg/Kg	5.0	1.6	1	350030	09/12/24	09/13/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.066**	J	mg/Kg	0.16	0.057	1.1	350118	09/13/24	09/16/24	MLL
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	2.3	0.99	349964	09/12/24	09/13/24	MES
beta-BHC	ND		ug/Kg	5.0	2.6	0.99	349964	09/12/24	09/13/24	MES
gamma-BHC	ND		ug/Kg	5.0	2.5	0.99	349964	09/12/24	09/13/24	MES
delta-BHC	ND		ug/Kg	5.0	2.0	0.99	349964	09/12/24	09/13/24	MES
Heptachlor	ND		ug/Kg	5.0	2.3	0.99	349964	09/12/24	09/13/24	MES
Aldrin	ND		ug/Kg	5.0	2.4	0.99	349964	09/12/24	09/13/24	MES
Heptachlor epoxide	ND		ug/Kg	5.0	2.5	0.99	349964	09/12/24	09/13/24	MES
Endosulfan I	ND		ug/Kg	5.0	2.6	0.99	349964	09/12/24	09/13/24	MES
Dieldrin	ND		ug/Kg	5.0	2.5	0.99	349964	09/12/24	09/13/24	MES
4,4'-DDE	ND		ug/Kg	5.0	3.1	0.99	349964	09/12/24	09/13/24	MES
Endrin	ND		ug/Kg	5.0	2.4	0.99	349964	09/12/24	09/13/24	MES
Endosulfan II	ND		ug/Kg	5.0	2.5	0.99	349964	09/12/24	09/13/24	MES
Endosulfan sulfate	ND		ug/Kg	5.2	5.2	0.99	349964	09/12/24	09/13/24	MES
4,4'-DDD	ND		ug/Kg	5.0	1.9	0.99	349964	09/12/24	09/13/24	MES
Endrin aldehyde	ND		ug/Kg	5.0	4.7	0.99	349964	09/12/24	09/13/24	MES
Endrin ketone	ND		ug/Kg	5.0	2.5	0.99	349964	09/12/24	09/13/24	MES
4,4'-DDT	**6.3**		ug/Kg	5.0	2.6	0.99	349964	09/12/24	09/13/24	MES
Methoxychlor	ND		ug/Kg	9.9	4.4	0.99	349964	09/12/24	09/13/24	MES
Toxaphene	ND		ug/Kg	99	65	0.99	349964	09/12/24	09/13/24	MES
Chlordane (Technical)	ND		ug/Kg	50	27	0.99	349964	09/12/24	09/13/24	MES
Surrogates				**Limits**						
TCMX	85%		%REC	23-120		0.99	349964	09/12/24	09/13/24	MES
Decachlorobiphenyl	116%		%REC	24-120		0.99	349964	09/12/24	09/13/24	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515740

Sample ID: B10-2	Lab ID: 515740-020	Collected: 09/09/24 13:20
	Matrix: Soil	

515740-020 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	2.4	1	350787	09/21/24	09/21/24	MES
beta-BHC	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES
gamma-BHC	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES
delta-BHC	ND		ug/Kg	5.1	2.1	1	350787	09/21/24	09/21/24	MES
Heptachlor	ND		ug/Kg	5.1	2.3	1	350787	09/21/24	09/21/24	MES
Aldrin	ND		ug/Kg	5.1	2.5	1	350787	09/21/24	09/21/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	2.5	1	350787	09/21/24	09/21/24	MES
Endosulfan I	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES
Dieldrin	ND		ug/Kg	5.1	2.5	1	350787	09/21/24	09/21/24	MES
4,4'-DDE	ND		ug/Kg	5.1	3.2	1	350787	09/21/24	09/21/24	MES
Endrin	ND		ug/Kg	5.1	2.4	1	350787	09/21/24	09/21/24	MES
Endosulfan II	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.2	1	350787	09/21/24	09/21/24	MES
4,4'-DDD	ND		ug/Kg	5.1	2.0	1	350787	09/21/24	09/21/24	MES
Endrin aldehyde	ND		ug/Kg	5.1	4.8	1	350787	09/21/24	09/21/24	MES
Endrin ketone	ND		ug/Kg	5.1	2.6	1	350787	09/21/24	09/21/24	MES
4,4'-DDT	ND		ug/Kg	5.1	2.7	1	350787	09/21/24	09/21/24	MES
Methoxychlor	ND		ug/Kg	10	4.5	1	350787	09/21/24	09/21/24	MES
Toxaphene	ND		ug/Kg	100	66	1	350787	09/21/24	09/21/24	MES
Chlordane (Technical)	ND		ug/Kg	51	28	1	350787	09/21/24	09/21/24	MES
Surrogates				**Limits**						
TCMX	52%		%REC	23-120		1	350787	09/21/24	09/21/24	MES
Decachlorobiphenyl	48%		%REC	24-120		1	350787	09/21/24	09/21/24	MES

#	CCV drift outside limits; average CCV drift within limits per method requirements
J	Estimated value
ND	Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC1188688** **Batch: 350871**
Matrix: WET Leachate **Method: EPA 6010B** **Prep Method: METHOD**

QC1188688 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chromium	ND		mg/L	0.30	0.0074	09/23/24	09/23/24

Type: Blank **Lab ID: QC1188689** **Batch: 350871**
Matrix: WET Leachate **Method: EPA 6010B** **Prep Method: METHOD**

QC1188689 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chromium	ND		mg/L	0.30	0.0074	09/23/24	09/23/24

Type: Lab Control Sample **Lab ID: QC1188691** **Batch: 350871**
Matrix: WET Leachate **Method: EPA 6010B** **Prep Method: METHOD**

QC1188691 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chromium	4.244	4.000	mg/L	106%		80-120

Type: Lab Control Sample Duplicate **Lab ID: QC1188692** **Batch: 350871**
Matrix: WET Leachate **Method: EPA 6010B** **Prep Method: METHOD**

QC1188692 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Chromium	4.283	4.000	mg/L	107%		80-120	1	20

Type: Blank **Lab ID: QC1188701** **Batch: 350874**
Matrix: Soil **Method: EPA 6010B** **Prep Method: EPA 3050B**

QC1188701 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.72	09/23/24	09/23/24

Type: Lab Control Sample **Lab ID: QC1188702** **Batch: 350874**
Matrix: Soil **Method: EPA 6010B** **Prep Method: EPA 3050B**

QC1188702 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	110.4	100.0	mg/Kg	110%		80-120

Type: Matrix Spike **Lab ID: QC1188704** **Batch: 350874**
Matrix (Source ID): Soil (516633-001) **Method: EPA 6010B** **Prep Method: EPA 3050B**

QC1188704 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	111.9	3.990	98.04	mg/Kg	110%		75-125	0.98

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1188705	Batch:	350874
Matrix (Source ID):	Soil (516633-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1188705 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	102.6	3.990	98.04	mg/Kg	101%		75-125	9	35	0.98

Type:	Post Digest Spike	Lab ID:	QC1188706	Batch:	350874
Matrix (Source ID):	Soil (516633-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1188706 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	114.7	3.990	100.0	mg/Kg	111%		75-125	1

Type:	Matrix Spike	Lab ID:	QC1185675	Batch:	350030
Matrix (Source ID):	Miscell. (515823-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1185675 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	36.30	ND	96.15	mg/Kg	38%	*	75-125	0.96
Arsenic	109.2	18.35	96.15	mg/Kg	95%		75-125	0.96
Barium	236.2	105.8	96.15	mg/Kg	136%	*	75-125	0.96
Beryllium	94.15	0.2128	96.15	mg/Kg	98%		75-125	0.96
Cadmium	89.19	0.6983	96.15	mg/Kg	92%		75-125	0.96
Chromium	116.9	18.81	96.15	mg/Kg	102%		75-125	0.96
Cobalt	100.4	4.977	96.15	mg/Kg	99%		75-125	0.96
Copper	147.8	30.98	96.15	mg/Kg	121%		75-125	0.96
Lead	108.7	14.30	96.15	mg/Kg	98%		75-125	0.96
Molybdenum	94.01	2.852	96.15	mg/Kg	95%		75-125	0.96
Nickel	115.2	17.56	96.15	mg/Kg	102%		75-125	0.96
Selenium	89.83	ND	96.15	mg/Kg	93%		75-125	0.96
Silver	48.37	ND	48.08	mg/Kg	101%		75-125	0.96
Thallium	91.63	ND	96.15	mg/Kg	95%		75-125	0.96
Vanadium	142.1	38.26	96.15	mg/Kg	108%		75-125	0.96
Zinc	1,081	749.2	96.15	mg/Kg	345%	NM	75-125	0.96

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1185676	Batch:	350030
Matrix (Source ID):	Miscell. (515823-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1185676 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	41.80	ND	99.01	mg/Kg	42%	*	75-125	11	41	0.99
Arsenic	108.8	18.35	99.01	mg/Kg	91%		75-125	3	35	0.99
Barium	226.4	105.8	99.01	mg/Kg	122%		75-125	6	20	0.99
Beryllium	95.57	0.2128	99.01	mg/Kg	96%		75-125	1	20	0.99
Cadmium	91.15	0.6983	99.01	mg/Kg	91%		75-125	1	20	0.99
Chromium	114.7	18.81	99.01	mg/Kg	97%		75-125	4	20	0.99
Cobalt	100.7	4.977	99.01	mg/Kg	97%		75-125	2	20	0.99
Copper	140.3	30.98	99.01	mg/Kg	110%		75-125	7	20	0.99
Lead	108.2	14.30	99.01	mg/Kg	95%		75-125	3	20	0.99
Molybdenum	94.89	2.852	99.01	mg/Kg	93%		75-125	2	20	0.99
Nickel	113.5	17.56	99.01	mg/Kg	97%		75-125	4	20	0.99
Selenium	92.66	ND	99.01	mg/Kg	94%		75-125	0	20	0.99
Silver	48.83	ND	49.50	mg/Kg	99%		75-125	2	20	0.99
Thallium	94.05	ND	99.01	mg/Kg	95%		75-125	0	20	0.99
Vanadium	137.9	38.26	99.01	mg/Kg	101%		75-125	5	20	0.99
Zinc	912.6	749.2	99.01	mg/Kg	165%	NM	75-125	17	20	0.99

Type:	Blank	Lab ID:	QC1185679	Batch:	350030
Matrix:	Soil	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1185679 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.2	09/12/24	09/13/24
Arsenic	ND		mg/Kg	1.0	0.54	09/12/24	09/13/24
Barium	ND		mg/Kg	1.0	0.40	09/12/24	09/13/24
Beryllium	ND		mg/Kg	0.50	0.022	09/12/24	09/13/24
Cadmium	ND		mg/Kg	0.50	0.053	09/12/24	09/13/24
Chromium	ND		mg/Kg	1.0	0.23	09/12/24	09/13/24
Cobalt	ND		mg/Kg	0.50	0.22	09/12/24	09/13/24
Copper	ND		mg/Kg	1.0	0.65	09/12/24	09/13/24
Lead	ND		mg/Kg	1.0	0.75	09/12/24	09/13/24
Molybdenum	ND		mg/Kg	1.0	0.55	09/12/24	09/13/24
Nickel	ND		mg/Kg	1.0	0.45	09/12/24	09/13/24
Selenium	ND		mg/Kg	3.0	0.90	09/12/24	09/13/24
Silver	ND		mg/Kg	0.50	0.17	09/12/24	09/13/24
Thallium	ND		mg/Kg	3.0	0.95	09/12/24	09/13/24
Vanadium	ND		mg/Kg	1.0	0.16	09/12/24	09/13/24
Zinc	ND		mg/Kg	5.0	1.6	09/12/24	09/13/24

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1185680	Batch: 350030
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1185680 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	99.69	100.0	mg/Kg	100%		80-120
Arsenic	100.3	100.0	mg/Kg	100%		80-120
Barium	103.3	100.0	mg/Kg	103%		80-120
Beryllium	101.5	100.0	mg/Kg	102%		80-120
Cadmium	101.9	100.0	mg/Kg	102%		80-120
Chromium	101.2	100.0	mg/Kg	101%		80-120
Cobalt	108.3	100.0	mg/Kg	108%		80-120
Copper	103.1	100.0	mg/Kg	103%		80-120
Lead	107.0	100.0	mg/Kg	107%		80-120
Molybdenum	100.4	100.0	mg/Kg	100%		80-120
Nickel	107.3	100.0	mg/Kg	107%		80-120
Selenium	95.84	100.0	mg/Kg	96%		80-120
Silver	50.42	50.00	mg/Kg	101%		80-120
Thallium	109.9	100.0	mg/Kg	110%		80-120
Vanadium	102.0	100.0	mg/Kg	102%		80-120
Zinc	101.1	100.0	mg/Kg	101%		80-120

Type: Post Digest Spike	Lab ID: QC1185683	Batch: 350030
Matrix (Source ID): Miscell. (515823-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1185683 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	97.60	ND	95.24	mg/Kg	102%		75-125	0.95
Arsenic	117.1	18.35	95.24	mg/Kg	104%		75-125	0.95
Barium	199.5	105.8	95.24	mg/Kg	98%		75-125	0.95
Beryllium	97.43	0.2128	95.24	mg/Kg	102%		75-125	0.95
Cadmium	92.19	0.6983	95.24	mg/Kg	96%		75-125	0.95
Chromium	112.6	18.81	95.24	mg/Kg	98%		75-125	0.95
Cobalt	102.2	4.977	95.24	mg/Kg	102%		75-125	0.95
Copper	136.2	30.98	95.24	mg/Kg	110%		75-125	0.95
Lead	109.8	14.30	95.24	mg/Kg	100%		75-125	0.95
Molybdenum	99.64	2.852	95.24	mg/Kg	102%		75-125	0.95
Nickel	112.4	17.56	95.24	mg/Kg	100%		75-125	0.95
Selenium	95.59	ND	95.24	mg/Kg	100%		75-125	0.95
Silver	51.07	ND	47.62	mg/Kg	107%		75-125	0.95
Thallium	98.50	ND	95.24	mg/Kg	103%		75-125	0.95
Vanadium	135.8	38.26	95.24	mg/Kg	102%		75-125	0.95
Zinc	820.2	749.2	95.24	mg/Kg	75%	NM	75-125	0.95

Type: Blank	Lab ID: QC1186893	Batch: 350364
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1186893 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.051	09/17/24	09/17/24

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1186894	Batch: 350364
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1186894 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.7672	0.8333	mg/Kg	92%		80-120

Type: Matrix Spike	Lab ID: QC1186895	Batch: 350364
Matrix (Source ID): Soil (516072-013)	Method: EPA 7471A	Prep Method: METHOD

QC1186895 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8310	ND	0.8621	mg/Kg	96%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1186896	Batch: 350364
Matrix (Source ID): Soil (516072-013)	Method: EPA 7471A	Prep Method: METHOD

QC1186896 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8084	ND	0.8621	mg/Kg	94%		75-125	3	20	1

Type: Blank	Lab ID: QC1185632	Batch: 350018
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1185632 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.051	09/12/24	09/13/24

Type: Lab Control Sample	Lab ID: QC1185633	Batch: 350018
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1185633 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.7711	0.8333	mg/Kg	93%		80-120

Type: Matrix Spike	Lab ID: QC1185634	Batch: 350018
Matrix (Source ID): Miscell. (515324-001)	Method: EPA 7471A	Prep Method: METHOD

QC1185634 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8287	ND	0.9259	mg/Kg	89%		75-125	1.1

Type: Matrix Spike Duplicate	Lab ID: QC1185635	Batch: 350018
Matrix (Source ID): Miscell. (515324-001)	Method: EPA 7471A	Prep Method: METHOD

QC1185635 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.7564	ND	0.8621	mg/Kg	88%		75-125	2	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1185941	**Batch:** 350118
Matrix: Soil	**Method:** EPA 7471A	**Prep Method:** METHOD

QC1185941 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.051	09/13/24	09/13/24

Type: Lab Control Sample	**Lab ID:** QC1185942	**Batch:** 350118
Matrix: Soil	**Method:** EPA 7471A	**Prep Method:** METHOD

QC1185942 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8006	0.8333	mg/Kg	96%		80-120

Type: Matrix Spike	**Lab ID:** QC1185943	**Batch:** 350118
Matrix (Source ID): Miscell. (515752-001)	**Method:** EPA 7471A	**Prep Method:** METHOD

QC1185943 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9111	ND	0.9804	mg/Kg	93%		75-125	1.2

Type: Matrix Spike Duplicate	**Lab ID:** QC1185944	**Batch:** 350118
Matrix (Source ID): Miscell. (515752-001)	**Method:** EPA 7471A	**Prep Method:** METHOD

QC1185944 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.7786	ND	0.8621	mg/Kg	90%		75-125	3	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1185429**	**Batch:**	**349964**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1185429 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	2.3	09/12/24	09/13/24
beta-BHC	ND		ug/Kg	5.0	2.6	09/12/24	09/13/24
gamma-BHC	ND		ug/Kg	5.0	2.5	09/12/24	09/13/24
delta-BHC	ND		ug/Kg	5.0	2.0	09/12/24	09/13/24
Heptachlor	ND		ug/Kg	5.0	2.3	09/12/24	09/13/24
Aldrin	ND		ug/Kg	5.0	2.5	09/12/24	09/13/24
Heptachlor epoxide	ND		ug/Kg	5.0	2.5	09/12/24	09/13/24
Endosulfan I	ND		ug/Kg	5.0	2.6	09/12/24	09/13/24
Dieldrin	ND		ug/Kg	5.0	2.5	09/12/24	09/13/24
4,4'-DDE	ND		ug/Kg	5.0	3.1	09/12/24	09/13/24
Endrin	ND		ug/Kg	5.0	2.4	09/12/24	09/13/24
Endosulfan II	ND		ug/Kg	5.0	2.5	09/12/24	09/13/24
Endosulfan sulfate	ND		ug/Kg	5.0	2.2	09/12/24	09/13/24
4,4'-DDD	ND		ug/Kg	5.0	2.0	09/12/24	09/13/24
Endrin aldehyde	ND		ug/Kg	5.0	4.8	09/12/24	09/13/24
Endrin ketone	ND		ug/Kg	5.0	2.6	09/12/24	09/13/24
4,4'-DDT	ND		ug/Kg	5.0	2.7	09/12/24	09/13/24
Methoxychlor	ND		ug/Kg	10	4.4	09/12/24	09/13/24
Toxaphene	ND		ug/Kg	100	65	09/12/24	09/13/24
Chlordane (Technical)	ND		ug/Kg	50	27	09/12/24	09/13/24
Surrogates				**Limits**			
TCMX	94%		%REC	23-120		09/12/24	09/13/24
Decachlorobiphenyl	101%		%REC	24-120		09/12/24	09/13/24

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1185430**	**Batch:**	**349964**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1185430 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	49.92	49.02	ug/Kg	102%		22-129
beta-BHC	51.04	49.02	ug/Kg	104%		28-125
gamma-BHC	49.37	49.02	ug/Kg	101%		22-128
delta-BHC	49.45	49.02	ug/Kg	101%		24-131
Heptachlor	49.21	49.02	ug/Kg	100%		18-124
Aldrin	45.99	49.02	ug/Kg	94%		23-120
Heptachlor epoxide	50.50	49.02	ug/Kg	103%		26-120
Endosulfan I	54.14	49.02	ug/Kg	110%		25-126
Dieldrin	57.13	49.02	ug/Kg	117%		23-124
4,4'-DDE	57.37	49.02	ug/Kg	117%		28-121
Endrin	56.16	49.02	ug/Kg	115%		25-127
Endosulfan II	53.78	49.02	ug/Kg	110%		29-121
Endosulfan sulfate	51.15	49.02	ug/Kg	104%		30-121
4,4'-DDD	50.85	49.02	ug/Kg	104%		26-120
Endrin aldehyde	35.35	49.02	ug/Kg	72%		10-120
Endrin ketone	54.11	49.02	ug/Kg	110%		28-125
4,4'-DDT	54.09	49.02	ug/Kg	110%		22-125
Methoxychlor	53.00	49.02	ug/Kg	108%		28-130
Surrogates						
TCMX	43.12	49.02	ug/Kg	88%		23-120
Decachlorobiphenyl	51.40	49.02	ug/Kg	105%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1185454**	**Batch:**	**349964**
Matrix (Source ID):	**Soil (515740-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1185454 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	45.35	ND	49.50	ug/Kg	92%		46-120	0.99
beta-BHC	53.27	ND	49.50	ug/Kg	108%		41-120	0.99
gamma-BHC	47.15	ND	49.50	ug/Kg	95%		41-120	0.99
delta-BHC	58.57	ND	49.50	ug/Kg	118%		38-123	0.99
Heptachlor	47.44	ND	49.50	ug/Kg	96%		39-120	0.99
Aldrin	47.41	ND	49.50	ug/Kg	96%		34-120	0.99
Heptachlor epoxide	48.36	ND	49.50	ug/Kg	98%		43-120	0.99
Endosulfan I	49.28	ND	49.50	ug/Kg	100%		45-120	0.99
Dieldrin	51.26	ND	49.50	ug/Kg	104%		45-120	0.99
4,4'-DDE	336.3	100.5	49.50	ug/Kg	476%	E,*	34-120	0.99
Endrin	51.13	ND	49.50	ug/Kg	103%		40-120	0.99
Endosulfan II	61.71	ND	49.50	ug/Kg	125%	*	41-120	0.99
Endosulfan sulfate	45.96	ND	49.50	ug/Kg	93%		42-120	0.99
4,4'-DDD	49.35	ND	49.50	ug/Kg	100%		41-120	0.99
Endrin aldehyde	47.99	ND	49.50	ug/Kg	97%		30-120	0.99
Endrin ketone	48.64	ND	49.50	ug/Kg	98%		45-120	0.99
4,4'-DDT	86.40	38.66	49.50	ug/Kg	96%		35-127	0.99
Methoxychlor	59.13	ND	49.50	ug/Kg	119%		42-136	0.99
Surrogates								
TCMX	42.78		49.50	ug/Kg	86%		23-120	0.99
Decachlorobiphenyl	54.08		49.50	ug/Kg	109%		24-120	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1185455**	**Batch:**	**349964**
Matrix (Source ID):	**Soil (515740-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1185455 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	47.69	ND	49.50	ug/Kg	96%		46-120	5	30	0.99
beta-BHC	57.39	ND	49.50	ug/Kg	116%		41-120	7	30	0.99
gamma-BHC	47.27	ND	49.50	ug/Kg	95%		41-120	0	30	0.99
delta-BHC	58.38	ND	49.50	ug/Kg	118%		38-123	0	30	0.99
Heptachlor	49.96	ND	49.50	ug/Kg	101%		39-120	5	30	0.99
Aldrin	48.58	ND	49.50	ug/Kg	98%		34-120	2	30	0.99
Heptachlor epoxide	48.73	ND	49.50	ug/Kg	98%		43-120	1	30	0.99
Endosulfan I	50.69	ND	49.50	ug/Kg	102%		45-120	3	30	0.99
Dieldrin	49.50	ND	49.50	ug/Kg	100%		45-120	4	30	0.99
4,4'-DDE	127.7	100.5	49.50	ug/Kg	55%		34-120		30	0.99
Endrin	49.63	ND	49.50	ug/Kg	100%		40-120	3	30	0.99
Endosulfan II	61.54	ND	49.50	ug/Kg	124%	*	41-120	0	30	0.99
Endosulfan sulfate	47.52	ND	49.50	ug/Kg	96%		42-120	3	30	0.99
4,4'-DDD	48.36	ND	49.50	ug/Kg	98%		41-120	2	30	0.99
Endrin aldehyde	43.42	ND	49.50	ug/Kg	88%		30-120	10	30	0.99
Endrin ketone	49.88	ND	49.50	ug/Kg	101%		45-120	3	30	0.99
4,4'-DDT	89.95	38.66	49.50	ug/Kg	104%		35-127	4	30	0.99
Methoxychlor	58.25	ND	49.50	ug/Kg	118%		42-136	1	30	0.99
Surrogates										
TCMX	44.53		49.50	ug/Kg	90%		23-120			0.99
Decachlorobiphenyl	51.53		49.50	ug/Kg	104%		24-120			0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1188354**	**Batch:**	**350787**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1188354 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.1	2.4	09/21/24	09/21/24
beta-BHC	ND		ug/Kg	5.1	2.6	09/21/24	09/21/24
gamma-BHC	ND		ug/Kg	5.1	2.6	09/21/24	09/21/24
delta-BHC	ND		ug/Kg	5.1	2.1	09/21/24	09/21/24
Heptachlor	ND		ug/Kg	5.1	2.3	09/21/24	09/21/24
Aldrin	ND		ug/Kg	5.1	2.5	09/21/24	09/21/24
Heptachlor epoxide	ND		ug/Kg	5.1	2.5	09/21/24	09/21/24
Endosulfan I	ND		ug/Kg	5.1	2.6	09/21/24	09/21/24
Dieldrin	ND		ug/Kg	5.1	2.5	09/21/24	09/21/24
4,4'-DDE	ND		ug/Kg	5.1	3.2	09/21/24	09/21/24
Endrin	ND		ug/Kg	5.1	2.4	09/21/24	09/21/24
Endosulfan II	ND		ug/Kg	5.1	2.6	09/21/24	09/21/24
Endosulfan sulfate	ND		ug/Kg	5.1	2.2	09/21/24	09/21/24
4,4'-DDD	ND		ug/Kg	5.1	2.0	09/21/24	09/21/24
Endrin aldehyde	ND		ug/Kg	5.1	4.8	09/21/24	09/21/24
Endrin ketone	ND		ug/Kg	5.1	2.6	09/21/24	09/21/24
4,4'-DDT	ND		ug/Kg	5.1	2.7	09/21/24	09/21/24
Methoxychlor	ND		ug/Kg	10	4.5	09/21/24	09/21/24
Toxaphene	ND		ug/Kg	100	66	09/21/24	09/21/24
Chlordane (Technical)	ND		ug/Kg	51	28	09/21/24	09/21/24
Surrogates				**Limits**			
TCMX	84%		%REC	23-120		09/21/24	09/21/24
Decachlorobiphenyl	62%		%REC	24-120		09/21/24	09/21/24

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1188355**	**Batch:**	**350787**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1188355 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	48.39	50.51	ug/Kg	96%		22-129
beta-BHC	48.20	50.51	ug/Kg	95%		28-125
gamma-BHC	48.70	50.51	ug/Kg	96%		22-128
delta-BHC	47.10	50.51	ug/Kg	93%		24-131
Heptachlor	44.37	50.51	ug/Kg	88%		18-124
Aldrin	42.08	50.51	ug/Kg	83%		23-120
Heptachlor epoxide	46.74	50.51	ug/Kg	93%		26-120
Endosulfan I	48.24	50.51	ug/Kg	96%		25-126
Dieldrin	47.95	50.51	ug/Kg	95%		23-124
4,4'-DDE	49.34	50.51	ug/Kg	98%		28-121
Endrin	47.26	50.51	ug/Kg	94%		25-127
Endosulfan II	44.35	50.51	ug/Kg	88%		29-121
Endosulfan sulfate	38.28	50.51	ug/Kg	76%		30-121
4,4'-DDD	43.99	50.51	ug/Kg	87%		26-120
Endrin aldehyde	32.03	50.51	ug/Kg	63%		10-120
Endrin ketone	37.06	50.51	ug/Kg	73%		28-125
4,4'-DDT	39.06	50.51	ug/Kg	77%		22-125
Methoxychlor	38.19	50.51	ug/Kg	76%		28-130
Surrogates						
TCMX	44.85	50.51	ug/Kg	89%		23-120
Decachlorobiphenyl	32.12	50.51	ug/Kg	64%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1188356**	**Batch:**	**350787**
Matrix (Source ID):	**Soil (516461-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1188356 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	39.52	ND	49.50	ug/Kg	80%		46-120	0.99
beta-BHC	43.13	ND	49.50	ug/Kg	87%		41-120	0.99
gamma-BHC	40.79	ND	49.50	ug/Kg	82%		41-120	0.99
delta-BHC	41.74	ND	49.50	ug/Kg	84%		38-123	0.99
Heptachlor	37.90	ND	49.50	ug/Kg	77%		39-120	0.99
Aldrin	36.58	ND	49.50	ug/Kg	74%		34-120	0.99
Heptachlor epoxide	40.73	ND	49.50	ug/Kg	82%		43-120	0.99
Endosulfan I	42.23	ND	49.50	ug/Kg	85%		45-120	0.99
Dieldrin	40.15	ND	49.50	ug/Kg	81%		45-120	0.99
4,4'-DDE	41.92	ND	49.50	ug/Kg	85%		34-120	0.99
Endrin	41.99	ND	49.50	ug/Kg	85%		40-120	0.99
Endosulfan II	40.59	ND	49.50	ug/Kg	82%		41-120	0.99
Endosulfan sulfate	34.07	ND	49.50	ug/Kg	69%		42-120	0.99
4,4'-DDD	39.50	ND	49.50	ug/Kg	80%		41-120	0.99
Endrin aldehyde	26.53	ND	49.50	ug/Kg	54%		30-120	0.99
Endrin ketone	33.32	ND	49.50	ug/Kg	67%		45-120	0.99
4,4'-DDT	34.58	ND	49.50	ug/Kg	70%		35-127	0.99
Methoxychlor	32.92	ND	49.50	ug/Kg	66%		42-136	0.99
Surrogates								
TCMX	37.69		49.50	ug/Kg	76%		23-120	0.99
Decachlorobiphenyl	29.03		49.50	ug/Kg	59%		24-120	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1188357**	**Batch:**	**350787**
Matrix (Source ID):	**Soil (516461-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1188357 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	39.28	ND	49.50	ug/Kg	79%		46-120	1	30	0.99
beta-BHC	43.09	ND	49.50	ug/Kg	87%		41-120	0	30	0.99
gamma-BHC	40.66	ND	49.50	ug/Kg	82%		41-120	0	30	0.99
delta-BHC	40.64	ND	49.50	ug/Kg	82%		38-123	3	30	0.99
Heptachlor	36.52	ND	49.50	ug/Kg	74%		39-120	4	30	0.99
Aldrin	34.32	ND	49.50	ug/Kg	69%		34-120	6	30	0.99
Heptachlor epoxide	38.03	ND	49.50	ug/Kg	77%		43-120	7	30	0.99
Endosulfan I	38.75	ND	49.50	ug/Kg	78%		45-120	9	30	0.99
Dieldrin	36.53	ND	49.50	ug/Kg	74%		45-120	9	30	0.99
4,4'-DDE	37.99	ND	49.50	ug/Kg	77%		34-120	10	30	0.99
Endrin	38.27	ND	49.50	ug/Kg	77%		40-120	9	30	0.99
Endosulfan II	37.88	ND	49.50	ug/Kg	77%		41-120	7	30	0.99
Endosulfan sulfate	31.12	ND	49.50	ug/Kg	63%		42-120	9	30	0.99
4,4'-DDD	36.07	ND	49.50	ug/Kg	73%		41-120	9	30	0.99
Endrin aldehyde	23.14	ND	49.50	ug/Kg	47%		30-120	14	30	0.99
Endrin ketone	30.81	ND	49.50	ug/Kg	62%		45-120	8	30	0.99
4,4'-DDT	26.80	ND	49.50	ug/Kg	54%		35-127	25	30	0.99
Methoxychlor	26.34	ND	49.50	ug/Kg	53%		42-136	22	30	0.99
Surrogates										
TCMX	38.88		49.50	ug/Kg	79%		23-120			0.99
Decachlorobiphenyl	25.46		49.50	ug/Kg	51%		24-120			0.99

* Value is outside QC limits

E Response exceeds instrument's linear range

ND Not Detected

NM Not Meaningful

Laboratory Job Number 515740

Subcontracted Products

American Environmental Testing

AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181
Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

September 19, 2024

AETL Job No: BFI0098
Received Date: 09/12/2024
Project Number: EO-515740

Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868
Telephone: (714)771-6900

Attention: Jim Lin

Project Name: EO-515740
Site:

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By: Hailley Coleman
Hailley Coleman
Project Manager

Approved By: Daljit Khangura
Daljit Khangura
Laboratory Director

Table of Contents

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Work Order Number: BFI0098

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AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
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Enthalpy Analytical	AETL Job Number:	BFI0098	
931 W. Barkley Ave.	Project Number:	EO-515740	
Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Sample Condition on Receipt

Cooler ID: Default Cooler **Temperature: 5.9 °C**

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety without written approval of the laboratory.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
American Environmental Testing
2840 N Naomi Street
Burbank, CA 91504-2023
ATTN: Hailley Coleman
PO #: Required, to be sent via email

Enthalpy Order: EO-515740
PM: Jim Lin
Email: Jim.lin@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: 818-319-2359

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel Transfer File (3 tab xls: SAMPDATE, QCDATA, LNOTE)

Notes: BFI0098

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
B1-0.5	09-SEP-2024 07:35	515740-001	1	Soil	EPA 8151A Chlorinated Herbicides	
B2-0.5	09-SEP-2024 08:05	515740-003	1	Soil	EPA 8151A Chlorinated Herbicides	
B3-0.5	09-SEP-2024 08:26	515740-005	1	Soil	EPA 8151A Chlorinated Herbicides	
B4-0.5	09-SEP-2024 08:50	515740-007	1	Soil	EPA 8151A Chlorinated Herbicides	
B5-0.5	09-SEP-2024 09:28	515740-009	1	Soil	EPA 8151A Chlorinated Herbicides	
B6-0.5	09-SEP-2024 09:44	515740-011	1	Soil	EPA 8151A Chlorinated Herbicides	
B7-0.5	09-SEP-2024 09:55	515740-013	1	Soil	EPA 8151A Chlorinated Herbicides	
B8-0.5	09-SEP-2024 11:25	515740-015	1	Soil	EPA 8151A Chlorinated Herbicides	
B9-0.5	09-SEP-2024 12:15	515740-017	1	Soil	EPA 8151A Chlorinated Herbicides	
B10-0.5	09-SEP-2024 13:00	515740-019	1	Soil	EPA 8151A Chlorinated Herbicides	

BFI0098

Notes:	Relinquished By:	Received By:
	Date: 9/12/24 1030	Date: 09-12-24 1030
	Date:	Date:
	Date:	Date:

AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181
Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

COOLER RECEIPT FORM

Client Name: Enthalpy

Project Name: OPP & Herbicide Project No.: EO-515740

AETL Job Number: BFI0098

Date Received: 09/12/2024 Received by: Greta Giragoosian

Carrier: ☐ AETL Courier ☑ Client ☐ GSL ☐ FedEx ☐ UPS

☐Others:

Samples were received in: ☑ Cooler (1) ☐ Other (Specify):

Sample Container Temperature: 5.9 °C IR Gun S/N: 51941911MV

Type of sample containers: ☐ VOA, ☐ Glass bottles, ☑Wide mouth jars, ☐HDPE bottles, ☐ Metal sleeves, ☐ Acetate sleeves, ☐ 5035 Kit: ☐ AETL or ☐ Client, ☐ Tedlar Bags, Summa Canister: ☐ 6L, ☐ 3L, ☐ 1L, Others (Specify): _____

How are samples preserved: ☐ None, ☑ Ice, ☐ Blue Ice, ☐ Dry Ice

☑ None, ☐ HNO_3, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH, ☐ $NaHSO_4$

☐ Other (Specify):

	Yes	No*	N/A	Note or Comment
1. Are the COCs Correct?	✔			
2. Are Sample labels legible & indelible ink?	✔			
3. Do samples match the COC?	✔			
4. Are the required analyses clear?	✔			
5. Is there enough samples for required analysis?	✔			
6. Does cooler or samples have custody seal(s)?			✔	
7. Are sample containers intact and in good condition?	✔			
8. Are samples preserved?	✔			
9. Are samples preserved properly for the intended analysis?	✔			
10. Are the VOAs free of headspace? See footnote.			✔	
11. Are the jars free of headspace?			✔	
12. Are there any samples with short hold times?		✔		

* = see note below. N/A = Not Applicable

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

◯ Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager (PM). The PM will contact the client for Analyze or Resample instructions.

* For samples generating a "No" answer, the Project Manager is notified, and the PM will contact the client for Analyze or Resample instructions.

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Enthalpy Analytical	AETL Job Number:	BFI0098	
931 W. Barkley Ave.	Project Number:	EO-515740	
Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Qualifiers are noted in the report.

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931 W. Barkley Ave.	Project Number:	EO-515740	
Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Samples Received

AETL received the following samples on 09/12/2024 with the following specifications

Client ID		Sample Date
B1-0.5		09/9/2024 7:35
Lab ID	**Matrix**	**Quantity of Containers**
BFI0098-01	Soil	1
Analysis	**Units**	**TAT**
EPA 8151A	mg/kg	5

Client ID		Sample Date
B2-0.5		09/9/2024 8:05
Lab ID	**Matrix**	**Quantity of Containers**
BFI0098-02	Soil	1
Analysis	**Units**	**TAT**
EPA 8151A	mg/kg	5

Client ID		Sample Date
B3-0.5		09/9/2024 8:26
Lab ID	**Matrix**	**Quantity of Containers**
BFI0098-03	Soil	1
Analysis	**Units**	**TAT**
EPA 8151A	mg/kg	5

Client ID		Sample Date
B4-0.5		09/9/2024 8:50
Lab ID	**Matrix**	**Quantity of Containers**
BFI0098-04	Soil	1
Analysis	**Units**	**TAT**
EPA 8151A	mg/kg	5

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Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Samples Received
(Continued)

AETL received the following samples on 09/12/2024 with the following specifications

Client ID		Sample Date
B5-0.5		09/9/2024 9:28
Lab ID	**Matrix**	**Quantity of Containers**
BFI0098-05	Soil	1
Analysis	**Units**	**TAT**
EPA 8151A	mg/kg	5

Client ID		Sample Date
B6-0.5		09/9/2024 9:44
Lab ID	**Matrix**	**Quantity of Containers**
BFI0098-06	Soil	1
Analysis	**Units**	**TAT**
EPA 8151A	mg/kg	5

Client ID		Sample Date
B7-0.5		09/9/2024 9:55
Lab ID	**Matrix**	**Quantity of Containers**
BFI0098-07	Soil	1
Analysis	**Units**	**TAT**
EPA 8151A	mg/kg	5

Client ID		Sample Date
B8-0.5		09/9/2024 11:25
Lab ID	**Matrix**	**Quantity of Containers**
BFI0098-08	Soil	1
Analysis	**Units**	**TAT**
EPA 8151A	mg/kg	5

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	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Samples Received

(Continued)

AETL received the following samples on 09/12/2024 with the following specifications

Client ID		Sample Date
B9-0.5		09/9/2024 12:15
Lab ID	**Matrix**	**Quantity of Containers**
BFI0098-09	Soil	1
Analysis	**Units**	**TAT**
EPA 8151A	mg/kg	5

Client ID		Sample Date
B10-0.5		09/9/2024 13:00
Lab ID	**Matrix**	**Quantity of Containers**
BFI0098-10	Soil	1
Analysis	**Units**	**TAT**
EPA 8151A	mg/kg	5

Total Number of Samples received: 10

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	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Positive Hits Summary

Lab ID	Client ID	Sampled
BFI0098-10	B10-0.5	09/09/2024 13:00

Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8151A	Pentachlorophenol (PCP)	0.0146		mg/kg	09/19/2024 05:34

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Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Analytical Results

Client ID: B1-0.5

Lab ID: BFI0098-01 (Soil) **Sampled: 09/09/24 7:35**

Chlorinated Herbicides

Method: EPA 8151A

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 00:43	B4I0154	KF	3550B
	Recovery			Acceptance Criteria						
Surrogate: DCAA	*50.5%*			*25-140*		09/16/24 11:42	*09/19/24 00:43*	B4I0154	*KF*	3550B

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Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Analytical Results

Client ID: B2-0.5

Lab ID: BFI0098-02 (Soil) **Sampled: 09/09/24 8:05**

Chlorinated Herbicides

Method: EPA 8151A

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 01:12	B4I0154	KF	3550B
	Recovery			Acceptance Criteria						
Surrogate: DCAA	*33.1%*			*25-140*		09/16/24 11:42	*09/19/24 01:12*	B4I0154	*KF*	3550B

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Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Analytical Results

Client ID: B3-0.5

Lab ID: BFI0098-03 (Soil) **Sampled: 09/09/24 8:26**

Chlorinated Herbicides

Method: EPA 8151A

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:10	B4I0154	KF	3550B
	Recovery			Acceptance Criteria						
Surrogate: DCAA	*82.4%*			*25-140*		09/16/24 11:42	*09/19/24 02:10*	B4I0154	*KF*	3550B

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931 W. Barkley Ave.	Project Number:	EO-515740	
Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Analytical Results

Client ID: B4-0.5

Lab ID: BFI0098-04 (Soil) **Sampled: 09/09/24 8:50**

Chlorinated Herbicides

Method: EPA 8151A

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 02:39	B4I0154	KF	3550B
	Recovery			Acceptance Criteria						
Surrogate: DCAA	*55.8%*			*25-140*		09/16/24 11:42	*09/19/24 02:39*	B4I0154	*KF*	3550B

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Enthalpy Analytical	AETL Job Number:	BFI0098	
931 W. Barkley Ave.	Project Number:	EO-515740	
Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Analytical Results

Client ID: B5-0.5

Lab ID: BFI0098-05 (Soil) **Sampled: 09/09/24 9:28**

Chlorinated Herbicides

Method: EPA 8151A

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:09	B4I0154	KF	3550B
	Recovery			Acceptance Criteria						
Surrogate: DCAA	*98.9%*			*25-140*		09/16/24 11:42	*09/19/24 03:09*	B4I0154	*KF*	3550B

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Enthalpy Analytical	AETL Job Number:	BFI0098	
931 W. Barkley Ave.	Project Number:	EO-515740	
Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Analytical Results

Client ID: B6-0.5

Lab ID: BFI0098-06 (Soil) **Sampled: 09/09/24 9:44**

Chlorinated Herbicides

Method: EPA 8151A

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 03:38	B4I0154	KF	3550B
	Recovery			Acceptance Criteria						
Surrogate: DCAA	*71.5%*			*25-140*		09/16/24 11:42	*09/19/24 03:38*	B4I0154	*KF*	3550B

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Enthalpy Analytical	AETL Job Number:	BFI0098	
931 W. Barkley Ave.	Project Number:	EO-515740	
Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Analytical Results

Client ID: B7-0.5

Lab ID: BFI0098-07 (Soil) **Sampled: 09/09/24 9:55**

Chlorinated Herbicides

Method: EPA 8151A

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:07	B4I0154	KF	3550B
	Recovery			Acceptance Criteria						
Surrogate: DCAA	*26.5%*			*25-140*		09/16/24 11:42	*09/19/24 04:07*	B4I0154	*KF*	3550B

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Enthalpy Analytical	AETL Job Number:	BFI0098	
931 W. Barkley Ave.	Project Number:	EO-515740	
Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Analytical Results

Client ID: B8-0.5

Lab ID: BFI0098-08 (Soil) **Sampled: 09/09/24 11:25**

Chlorinated Herbicides

Method: EPA 8151A

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 04:36	B4I0154	KF	3550B
	Recovery			Acceptance Criteria						
Surrogate: DCAA	*43.4%*			*25-140*		09/16/24 11:42	*09/19/24 04:36*	B4I0154	*KF*	3550B

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Enthalpy Analytical	AETL Job Number:	BFI0098	
931 W. Barkley Ave.	Project Number:	EO-515740	
Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Analytical Results

Client ID: B9-0.5

Lab ID: BFI0098-09 (Soil) **Sampled: 09/09/24 12:15**

Chlorinated Herbicides

Method: EPA 8151A

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
Pentachlorophenol (PCP)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:05	B4I0154	KF	3550B
	Recovery			Acceptance Criteria						
Surrogate: DCAA	*41.4%*			*25-140*		09/16/24 11:42	*09/19/24 05:05*	B4I0154	*KF*	3550B

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Enthalpy Analytical	AETL Job Number:	BFI0098	
931 W. Barkley Ave.	Project Number:	EO-515740	
Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Analytical Results

Client ID: B10-0.5

Lab ID: BFI0098-10 (Soil) **Sampled: 09/09/24 13:00**

Chlorinated Herbicides

Method: EPA 8151A

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Acifluorfen	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
Bentazon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
Chloramben	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
2,4-D	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
2,4-DB	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
DCPA diacid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
Dalapon	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
Dicamba	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
3,5-Dichlorobenzoic acid	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
Dichloroprop	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
Dinoseb	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
MCPA	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
MCPP	ND		1	0.250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
4-Nitrophenol	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
Pentachlorophenol (PCP)	**0.0146**		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
Picloram	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
2,4,5-TP	ND		1	0.00250	mg/kg	09/16/24 11:42	09/19/24 05:34	B4I0154	KF	3550B
	Recovery			Acceptance Criteria						
Surrogate: DCAA	*77.0%*			*25-140*		09/16/24 11:42	*09/19/24 05:34*	B4I0154	*KF*	3550B

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Enthalpy Analytical	AETL Job Number:	BFI0098	
931 W. Barkley Ave.	Project Number:	EO-515740	
Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Quality Control Results

Chlorinated Herbicides (EPA 8151A)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B4I0154 - 3550B				**Prepared: 09/16/2024 11:42**						
Method Blank (B4I0154-BLK1)				**Analyzed: 09/19/2024 00:14**						
Acifluorfen	ND	0.00250	mg/kg							
Bentazon	ND	0.00250	mg/kg							
Chloramben	ND	0.00250	mg/kg							
2,4-D	ND	0.00250	mg/kg							
2,4-DB	ND	0.00250	mg/kg							
DCPA diacid	ND	0.00250	mg/kg							
Dalapon	ND	0.00250	mg/kg							
Dicamba	ND	0.00250	mg/kg							
3,5-Dichlorobenzoic acid	ND	0.00250	mg/kg							
Dichloroprop	ND	0.00250	mg/kg							
Dinoseb	ND	0.00250	mg/kg							
MCPA	ND	0.250	mg/kg							
MCPP	ND	0.250	mg/kg							
4-Nitrophenol	ND	0.00250	mg/kg							
Pentachlorophenol (PCP)	ND	0.00250	mg/kg							
Picloram	ND	0.00250	mg/kg							
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	ND	0.00250	mg/kg							
2,4,5-TP	ND	0.00250	mg/kg							
Surrogate: DCAA	*0.0454*		*mg/kg*	*0.0500*		*90.9*	*25-140*			

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	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Quality Control Results

Chlorinated Herbicides (EPA 8151A)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B4I0154 - 3550B (Continued)				**Prepared: 09/16/2024 11:42**						
LCS (B4I0154-BS1)				**Analyzed: 09/18/2024 22:18**						
Acifluorfen	0.0336	0.00250	mg/kg	0.0250		134	40-140			
Bentazon	0.0332	0.00250	mg/kg	0.0250		133	40-140			
Chloramben	0.00784	0.00250	mg/kg	0.0250		31.4	20-150			
2,4-D	0.0226	0.00250	mg/kg	0.0250		90.5	40-140			
2,4-DB	0.0183	0.00250	mg/kg	0.0250		73.1	40-140			
DCPA diacid	0.0100	0.00250	mg/kg	0.0250		40.0	40-140			
Dalapon	0.0200	0.00250	mg/kg	0.0250		80.1	40-140			
Dicamba	0.0313	0.00250	mg/kg	0.0250		125	40-140			
3,5-Dichlorobenzoic acid	0.0266	0.00250	mg/kg	0.0250		106	40-140			
Dichloroprop	0.0253	0.00250	mg/kg	0.0250		101	40-140			
Dinoseb	0.0334	0.00250	mg/kg	0.0250		134	20-150			
MCPA	3.46	0.250	mg/kg	2.50		138	40-140			
MCPP	2.75	0.250	mg/kg	2.50		110	40-140			
4-Nitrophenol	0.0135	0.00250	mg/kg	0.0250		53.9	40-140			
Pentachlorophenol (PCP)	0.0344	0.00250	mg/kg	0.0250		137	40-140			
Picloram	0.00927	0.00250	mg/kg	0.0250		37.1	20-150			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.0311	0.00250	mg/kg	0.0250		125	40-140			
2,4,5-TP	0.0318	0.00250	mg/kg	0.0250		127	40-140			
Surrogate: DCAA	*0.0369*		*mg/kg*	*0.0500*		*73.7*	*25-140*			
LCSD (B4I0154-BSD1)				**Analyzed: 09/18/2024 22:47**						
Acifluorfen	0.0309	0.00250	mg/kg	0.0250		123	40-140	8.52	40	
Bentazon	0.0188	0.00250	mg/kg	0.0250		75.3	40-140	55.2	40	R
Chloramben	0.00753	0.00250	mg/kg	0.0250		30.1	20-150	4.15	40	
2,4-D	0.0215	0.00250	mg/kg	0.0250		85.8	40-140	5.29	40	
2,4-DB	0.0170	0.00250	mg/kg	0.0250		68.0	40-140	7.24	40	
DCPA diacid	0.0106	0.00250	mg/kg	0.0250		42.3	40-140	5.46	40	
Dalapon	0.0142	0.00250	mg/kg	0.0250		57.0	40-140	33.7	40	
Dicamba	0.0272	0.00250	mg/kg	0.0250		109	40-140	13.8	40	
3,5-Dichlorobenzoic acid	0.0252	0.00250	mg/kg	0.0250		101	40-140	5.29	40	
Dichloroprop	0.0326	0.00250	mg/kg	0.0250		130	40-140	25.0	40	
Dinoseb	0.0311	0.00250	mg/kg	0.0250		124	20-150	7.11	40	
MCPA	3.47	0.250	mg/kg	2.50		139	40-140	<1.00	40	
MCPP	2.77	0.250	mg/kg	2.50		111	40-140	<1.00	40	
4-Nitrophenol	0.0150	0.00250	mg/kg	0.0250		60.1	40-140	10.9	40	
Pentachlorophenol (PCP)	0.0320	0.00250	mg/kg	0.0250		128	40-140	7.10	40	
Picloram	0.00883	0.00250	mg/kg	0.0250		35.3	20-150	4.88	40	
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.0305	0.00250	mg/kg	0.0250		122	40-140	2.01	40	
2,4,5-TP	0.0318	0.00250	mg/kg	0.0250		127	40-140	<1.00	40	
Surrogate: DCAA	*0.0340*		*mg/kg*	*0.0500*		*67.9*	*25-140*			

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931 W. Barkley Ave.	Project Number:	EO-515740	
Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Quality Control Results

Chlorinated Herbicides (EPA 8151A)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B4I0154 - 3550B (Continued)				**Prepared: 09/16/2024 11:42**						
Matrix Spike (B4I0154-MS1)	**Source: BFI0098-03**			**Analyzed: 09/18/2024 23:16**						
Acifluorfen	0.0244	0.00250	mg/kg	0.0248	ND	98.6	30-140			
Bentazon	0.0318	0.00250	mg/kg	0.0248	ND	128	30-140			
Chloramben	0.00557	0.00250	mg/kg	0.0248	ND	22.5	30-140			M
2,4-D	0.0172	0.00250	mg/kg	0.0248	ND	69.2	30-140			
2,4-DB	0.0296	0.00250	mg/kg	0.0248	ND	119	30-140			
DCPA diacid	0.00135	0.00250	mg/kg	0.0248	ND	5.46	30-140			M
Dalapon	0.0103	0.00250	mg/kg	0.0248	ND	41.8	30-140			
Dicamba	0.0259	0.00250	mg/kg	0.0248	ND	105	30-140			
3,5-Dichlorobenzoic acid	0.0192	0.00250	mg/kg	0.0248	ND	77.5	30-140			
Dichloroprop	0.0272	0.00250	mg/kg	0.0248	ND	110	30-140			
Dinoseb	0.0299	0.00250	mg/kg	0.0248	ND	121	30-140			
MCPA	1.31	0.250	mg/kg	2.48	ND	52.9	30-140			
MCPP	1.52	0.250	mg/kg	2.48	ND	61.3	30-140			
4-Nitrophenol	0.0156	0.00250	mg/kg	0.0248	ND	62.9	30-140			
Pentachlorophenol (PCP)	0.0253	0.00250	mg/kg	0.0248	ND	102	30-140			
Picloram	0.000730	0.00250	mg/kg	0.0248	ND	2.95	30-140			M
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.0221	0.00250	mg/kg	0.0248	ND	89.2	30-140			
2,4,5-TP	0.0266	0.00250	mg/kg	0.0248	ND	107	30-140			
Surrogate: DCAA	*0.0469*		*mg/kg*	*0.0496*		*94.7*	*25-140*			
Matrix Spike Dup (B4I0154-MSD1)	**Source: BFI0098-03**			**Analyzed: 09/18/2024 23:45**						
Acifluorfen	0.0234	0.00250	mg/kg	0.0249	ND	93.9	30-140	4.51	40	
Bentazon	0.0325	0.00250	mg/kg	0.0249	ND	131	30-140	2.31	40	
Chloramben	0.0108	0.00250	mg/kg	0.0249	ND	43.5	30-140	64.0	40	R
2,4-D	0.0173	0.00250	mg/kg	0.0249	ND	69.5	30-140	<1.00	40	
2,4-DB	0.0243	0.00250	mg/kg	0.0249	ND	97.8	30-140	19.4	40	
DCPA diacid	0.00131	0.00250	mg/kg	0.0249	ND	5.27	30-140	3.27	40	M
Dalapon	0.0112	0.00250	mg/kg	0.0249	ND	45.2	30-140	8.31	40	
Dicamba	0.0261	0.00250	mg/kg	0.0249	ND	105	30-140	<1.00	40	
3,5-Dichlorobenzoic acid	0.0192	0.00250	mg/kg	0.0249	ND	77.2	30-140	<1.00	40	
Dichloroprop	0.0253	0.00250	mg/kg	0.0249	ND	102	30-140	7.16	40	
Dinoseb	0.0314	0.00250	mg/kg	0.0249	ND	126	30-140	4.78	40	
MCPA	1.25	0.250	mg/kg	2.49	ND	50.1	30-140	5.09	40	
MCPP	1.40	0.250	mg/kg	2.49	ND	56.4	30-140	7.91	40	
4-Nitrophenol	0.0160	0.00250	mg/kg	0.0249	ND	64.4	30-140	2.75	40	
Pentachlorophenol (PCP)	0.0252	0.00250	mg/kg	0.0249	ND	101	30-140	<1.00	40	
Picloram	0.00156	0.00250	mg/kg	0.0249	ND	6.28	30-140	72.5	40	M, R
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.0228	0.00250	mg/kg	0.0249	ND	91.5	30-140	3.01	40	
2,4,5-TP	0.0267	0.00250	mg/kg	0.0249	ND	107	30-140	<1.00	40	
Surrogate: DCAA	*0.0446*		*mg/kg*	*0.0498*		*89.6*	*25-140*			

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Orange, CA 92868	Attention:	Jim Lin	
	Project Name:	EO-515740	Reported: 09/19/2024 15:21

Quality Control Results

Chlorinated Herbicides (EPA 8151A)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier

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Qualifiers and Definitions

ITEM	Qualifiers
M	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference. Laboratory Control Samples(LCS/LCSD) recovery were acceptable.
R	The RPD was outside of QC acceptance limits due to possible matrix interference.

ITEM	Definitions
% wt	Percent Weight
%REC	Percent Recovery
*	Value outside of control limits.
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
Cresols	3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol.
CRM	Certified Reference Material
DI	Deionized Water
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour

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MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
ppb v	Parts per billion by volume
ppmC	Parts per million Carbon
PSU	Practical Salinity Unit
Q	Qualifier Column
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalant to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction

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APPENDIX J

Hydrology Study

Preliminary Hydrology and Low-Impact Design Report

24460 Calabasas Road

Calabasas, CA 91302

Prepared for:

Hello Auto Group

24095 Creekside Road

Santa Clarita, CA 91355

Prepared by:

23801 Calabasas Road, Suite 1034
Calabasas, California 91302
Phone: (818) 591-1050

April 5, 2023



PRELIMINARY

Contact Person:

William C. Cunningham III, P.E.
RCE #80129, Expires: September 30, 2024

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EXHIBIT 1: VICINITY MAP

EXHIBIT 2: EXISTING CONDITIONS HYDROLOGY MAP

EXHIBIT 3: CONCEPTUAL GRADING PLAN – FOR REFERENCE

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APPENDIX A: FEMA FLOOD INSURANCE RATE MAP

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APPENDIX F: DETENTION ANALYSIS

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APPENDIX I: STORM WATER QUALITY DESIGN BMP

APPENDIX J: GEOTECHNICAL REPORTS- FOR REFERENCE

PROJECT SUMMARY

The purpose of this Report is to facilitate the planning and implementation of drainage infrastructure improvements and provide a hydrology analysis of predevelopment and post-development conditions for the proposed redevelopment of the project site for a proposed KIA Calabasas car dealership. The results of this Report will be the basis for stormwater improvements solely the proposed KIA Calabasas car dealership.

Objective

The objective of the hydrology study is to show that the development of the proposed KIA car dealership will not create additional runoff or significantly impact the historic runoff patterns.

Project Location

The project (KIA Calabasas) is located on the east side of the City of Calabasas. It is bounded to the north by Calabasas Road, to the south by an existing natural hillside, to the west by an existing automobile dealership, and to the east by existing commercial developments and natural hillside (see Figure 2 and Exhibit 1: Vicinity Map). The project is situated on Assessor's Parcel Numbers 2069-009-008 and 2069-009-020, encompassing approximately 10.94 acres. The existing land use for the project site is a commercial landscape/tree nursery with several structures, paved driveways, courtyards, and parking areas. Approximately one-third of the existing project site is already developed. The remaining two-thirds of the project site maintains its natural hillside. The immediate, adjacent areas of the project site are commercial uses that include automobile dealerships and inventory parking areas.

This conceptual drainage report discusses the impacts from the 85th percentile, 10-year, and 50-year 24-hour design storm events. Its intended use is for the development of drainage infrastructure solely for the project.

Authorization

This Report has been performed at the request of Hello Auto Group to determine the existing drainage patterns and the drainage impacts from the proposed development on the study area. This Report does not intend to suggest remediation for any regional drainage issues outside of the project area.

Figure 1. Regional Location Map



METHODOLOGY

The methodology described in the Los Angeles County Department of Public Works (LACDPW) Hydrology Manual was used to compute the stormwater runoff at the proposed project site. LACDPW HydroCalc program was used to calculate each subarea's time of concentration (Tc). This software uses the modified rational method as defined in the County Hydrology Manual. The LA County-approved Watershed Modeling System (WMS v 11.0) computer software was used to combine and route peak runoff.

EXISTING WATERSHED CHARACTERISTICS

The existing project site was previously Sperling Nursery and Gift Shop, a commercial retail area consisting of several greenhouse structures, stocking areas for landscape and bedding material, and a parking area. The nursery facility is no longer in business, and the property has been vacated. The existing structures have been demolished; however, the building foundations, internal paved roads, and parking areas are still present. The surrounding area is a mix between natural hillside areas and commercial developments with several major automobile dealership facilities along Calabasas Road.

The project area currently surface drains in a northerly direction onto Calabasas Road and is then conveyed easterly along Calabasas Road. An existing, grated storm drain inlet is approximately 320 feet east of the property, along Calabasas Road. Based on visual inspection of the existing asphalt pavement and available topographic information, it appears that much of the existing stormwater runoff generated from the project site bypasses the grated inlet and continues further in the easterly direction along Calabasas Road, where it discharges into Line "D" of Private Drain No. 2120. Private Drain No. 2120 is an existing storm drain system owned and maintained by the County of Los Angeles.

The study area for the existing condition consists of approximately 10.32 acres with a single-basin watershed. The delineated watershed is defined by the existing topographic terrain and developed boundaries. The land uses within the study area is

primarily commercial. The natural slopes within the area are relatively moderate to steep, with the grades ranging between 5 – 45% (See Exhibit 2: Existing Conditions Hydrology Map.)

Stormwater runoff generated from the study area generally drains northerly as overland flow through the existing, developed site. Once the runoff enters Calabasas Road, it continues to travel in an easterly direction as concentrated flow before an existing catch basin collects it.

Using the project survey and aerial imagery, the calculated percent impervious area for the existing watershed resulted in 15.8%.

Figure 2. Vicinity Map



Flood Insurance Study

The detailed study area is located on the following FEMA FIRMs (See Appendix A: FEMA Flood Insurance Rate Map).

Los Angeles County, California and Incorporated Areas, panel 1268 of 2350 map number 06037C1268F effective date September 26, 2008. According to these maps, the detailed study area is located in the "Area of Minimal Flood Hazard" Zone X.

ASSUMPTIONS

The soil type, rainfall, and runoff parameters are based on the County Hydrology Manual and the County Design Standards. The project site has a 50-year 24-hour rainfall depth of approximately 7.35 inches, soil type 4, and is in debris potential area (DPA) zone 4 (See Appendix B: Rainfall and Soils Maps). The LACDPW Sedimentation manual 2006 was used to calculate the bulk flow rate of 1.67 per the Appendix B-4 graph for "peak bulking factors," and a fire factor of 0.83 was determined. Debris production for the existing and proposed conditions will be evaluated. All proposed debris conveyance devices will be designed with self-cleaning velocities.

EXISTING CONDITION ANALYSIS

The existing condition peak runoff was analyzed for the 2-, 5-, 10-, 25- and 50-year 24-hour storm events. Confluence node 2A is used as the basis of comparison for the proposed development. The analysis includes the consideration of clear, burned, and burned and bulked runoff. Table-1 below summarizes the ***un-mitigated*** predevelopment vs. post-development runoff comparison (See Appendix C: Existing Peak Runoff Calculations and Appendix H: Debris Potential and Bulk flow Rate Calculations).

PROPOSED WATERSHED CHARACTERISTICS

The proposed project is for a 3-level KIA automobile dealership facility at 24460 Calabasas Road in the City of Calabasas. The project site is situated on Assessor's Parcel Numbers 2069-009-008 and 2069-009-020, encompassing approximately 10.94 acres. The proposed developed area is approximately 3.6 acres. The remaining property area will stay as undeveloped, natural hillside.

The proposed project development will maintain much of the existing natural hillsides. Due to the proposed site layout, building elevations, drainage devices, and catchment areas, the upstream natural hillside area was modeled separately using a sub-basin. The sub-basin approach also allowed us to isolate the natural hillside areas with less than 15% impervious areas and model a burned watershed for the 50-year/24-hour rainfall event. Subarea area 1A encompasses approximately 6.75 ac with an impervious area of approximately 1.1 %. Subarea 3A (which contains the entire proposed redevelopment area encompasses approximately 3.57 ac with a calculated impervious area of approximately 49.6 %. As expected, the peak runoff value for each storm event is greater than the existing peak runoff flow rates (See Exhibit 4: Hydrology Study Proposed Conditions and Exhibit 3: Conceptual Grading Plans).

The flows from undeveloped areas upstream from the project will be captured by the proposed debris/detention basin that will remove and store all potential debris. A trapezoidal earthen channel is also proposed along the existing roadway in subarea 1A to capture and divert/convey potentially debris-laden flows to the proposed debris/detention basin. The basins will also be utilized to provide detention to attenuate the peak flow rates to below the predevelopment flow rates. The mitigated flow rates from Basin #1 will outlet to a 36-inch RCP that will convey discharge through subarea 3A and discharge to Calabasas Road via a proposed parkway drain and allowed to follow historical drainage patterns, ultimately being collected by the beforementioned existing grated storm drain inlet and private storm drain line.

PROPOSED CONDITIONS ANALYSIS

The proposed conditions peak runoff was analyzed for the 2-, 5-, 10-, 25- and 50-year 24-hour storm events. The results of the **un-mitigated** routed runoff showed that the 5-, 10-, 25-, and 50-yr 24-hour storm events produced runoff greater than the predevelopment conditions (See Appendix D: Proposed Peak Runoff Calculations). Hydromodification control will be required to reduce the flow rate to predevelopment conditions. See table 1 below for a summary of the **unmitigated** pre vs. post-comparison.

Table 1.
Un-Mitigated Pre- vs. Post-Development Runoff

Point of Concentration	Node 2A (PRE)	Node 4A (POST)
24-hr, Design Storm Event	Existing Condition	Proposed Condition
50-year (clear)	30.30 cfs	34.43 cfs
50year (burned)	33.42 cfs	37.11 cfs
25-year (clear)	24.24 cfs	28.91 cfs
25-year (burned)	27.06 cfs	31.41 cfs
10-year (clear)	17.86 cfs	20.95 cfs
10-year (burned)	20.28 cfs	23.02 cfs
5-year (clear)	12.36 cfs	14.50 cfs
5-year (burned)	14.40 cfs	16.21 cfs
2-year (clear)	5.34 cfs	6.57 cfs
2-year (burned)	6.76 cfs	7.77 cfs

PROPOSED DEBRIS PRODUCTION AND BULKED FLOW

The LACDPW Sedimentation manual 2006 was used to calculate the debris production potential and bulked flow rate. The 50-yr burned frequency storm is used for this analysis. Based on the debris production rates graph found in Appendix B-1 of the sedimentation manual, a debris production rate of approximately 112.5 cy/ac was calculated. Each subarea was analyzed to determine areas considered debris-producing and non-debris-producing (i.e., developed, landscaped, fire mod/maintained, etc.). Developed subareas with impervious areas greater than 15% are assumed to be non-debris producing per the LA County Sedimentation manual; however, the additional debris production for subarea 3A was considered in this analysis to confirm potential debris-laden flows that might warrant the inclusion of bulk flow inlets where needed. The analysis resulted in a proposed debris production for each subarea (See Appendix H: Debris Potential and Bulk Flow Rate Calculations). Subareas 1A has enough potential debris production to necessitate a sediment control structure.

Table 2.
Debris Production Summary

Subarea	DPA Zone	Debris Production (cy/mi2)	DPR (cy/ac)	A (ac)	DP (cy)
1A	4	72000 *	112.50	6.42	722
3A**	4	72000 *	112.50	144.25	144

* SEDIMENTATION MANUAL - APPENDIX B: DEBRIS PRODUCTION RATE CURVES
** DEVELOPED AREA- NOT SUBJECT TO DEBRIS PRODUCTION

A proposed desilting inlet debris basin/detention structure has been designed to capture the calculated potential debris and provide stormwater detention. Basin #1 is located at the outlet of Subarea 1A. The proposed basin is designed with adequate level fill capacity to store 100% of the calculated potential debris and provide detention capacity (See Appendix E: Proposed Basins).

As previously mentioned, each basin serves as a desilting inlet that store sediment that may be transported during a rainfall event. The sediment accumulation will occur at the bottom of each basin, while the stormwater detention will occur at the top. The basin is sized to store all the potential debris and provide detention for each storm event while also maintaining a 1' min freeboard during a capital storm event. The freeboard is measured from the calculated Q50b detained water surface elevation to the emergency spillway elevation. The stage-storage relationship in Table-4 shows the storage of sedimentation and stormwater runoff detention volumes (See Appendix E: Proposed Basins).

The resulting "Burned and Bulked" flow rates for each subarea are summarized below in Table 3: Proposed Bulk Flow Rates. The clear water flow rates for the developed subarea 3A are shown since these areas are not subject to burned or

burned and bulked flows. Additionally, for subareas 1A, the burned flow rate is shown since the proposed debris basins remove the bulked flow. The total unrouted "burned and bulked" flow rates are 38.26cfs, less than the predeveloped "burned and bulked" flow rate of 51.78 cfs.

Table 3.
Proposed Bulked Flow Rates

Subarea Description	DPA Zone	Q50 (cfs)	Q50b (cfs)	Bulk Factor, BF	Ai (ac)	Au (ac)	Ad (ac)	QBB (cfs)
1A ***	4	23.5	26.1	1.67 *	6.75	6.42	0.33346	*26.1*
3A**	4	12.1	12.1	1.67 *	3.57	1.28	2.28	*12.1*

* SEDIMENTATION MANUAL - APPENDIX B: PEAK BULKING FACTOR CURVES
** DEVELOPED AREA- NOT SUBJECT TO BULK AND BURN
*** BULKED FLOWS REMOVED BY DEBRIS BASIN

HYDROMOD

The developed flows for each storm event were analyzed and routed into the proposed debris/detention basins to reduce the proposed flow rates to pre-developed conditions. The Modified Plus method was used to route flows through the detention basin storage areas. See tables-4 below for the basin rating tables. (See Appendix F: Detention Analysis).

Table 4.
Basin#1 Rating Table

STAGE (msl)	***VOLUME*** (ac-ft)	***DETENTION*** (ac-ft)	***DISCHARGE*** (cfs)
1130(sediment)	0.00	-	-
1132	0.106	-	-
1134	0.255	-	-
1136	0.443	-	-
1137 (detention)	0.552	0.109	19.88
1138 (freeboard)	0.671	0.228	54.71

The overall reduction of the proposed flows was compared at the project out location node 4A. The results show that the detention and routing of flows successfully reduced flow rates to below pre-developed conditions for every storm event. Table 7 below summarizes the mitigated flows.

Table 7.
Mitigated Pre- vs. Post-Development Runoff

Point of Concentration	Node 2A (PRE)	Node 4A (POST)
24-hr, Design Storm Event	Existing Condition	Proposed Condition
50-year (clear)	30.30 cfs	26.93 cfs
50year (burned)	33.42 cfs	29.26 cfs
25-year (clear)	24.24 cfs	22.90 cfs
25-year (burned)	27.06 cfs	24.92 cfs
10-year (clear)	17.86 cfs	16.94 cfs
10-year (burned)	20.28 cfs	18.82 cfs
5-year (clear)	12.36 cfs	12.07 cfs
5-year (burned)	14.40 cfs	13.61 cfs
2-year (clear)	5.34 cfs	5.70 cfs
2-year (burned)	6.76 cfs	6.80 cfs

STORMWATER QUALITY DESIGN

The proposed development and paved areas will exceed 1 acre of disturbed area and add more than 10,000 square feet of impervious surface area. This redevelopment is considered a "designated project," Stormwater management will be required as defined under the NPDES 2012 MS4 permit and the 2014 County of Los Angeles Department of Public Works Low Impact Development (LID) Standards Manual. This drainage report's soil type, rainfall, and runoff parameters are based on and conform to the Los Angeles County Department of Public Works Hydrology (LACDPW) Manual 2006.

Stormwater treatment shall be based on the LACDPW Low Impact Development Standards Manual to comply with County LID requirements. The Stormwater Quality Volume is based on the 85th percentile, 24-hour rain event, since it produces a larger stormwater volume than the 0.75-inch event. The LACDPW HydroCalc computer program was again utilized to evaluate these design storms(See Appendix D: Rainfall and Soils Maps and Appendix K: Stormwater Quality Calculations). Per the Geotechnical Report, the tested infiltration rate is below the minimum 0.33 inch/hr, indicating that infiltration is not feasible (See Appendix J: Geotechnical Reports). Therefore, the project will utilize underground storage chambers to capture and reuse the calculated stormwater quality volume as the stormwater quality BMP (See Appendix I: Stormwater Quality Design BMP).

For the governing 85th percentile storm, the total water quality treatment volume of **6,385 cf** for subarea 3A.

For the capture and reuse to be feasible in meeting LID requirements, an evaluation of the Estimated Total Water Usage (ETWU) for irrigation must be determined. The ETWU for irrigation from October 1 to April 30 must be greater than or equal to the volume of water produced by the stormwater quality storm event. The ETWU will be evaluated as the project design progresses into final engineering, and the LID design will be updated accordingly. Actual design and feasibility of stormwater quality mitigation and Low Impact Design is pending geotechnical analysis for recommendations. Alternate stormwater treatment BMP may be considered. BMPs can be provided in various ways, varying from catch basin filters, proprietary treatment devices placed in the main storm drain infrastructure, and grass swale filters. The flow-based treatment device will be required to treat the peak mitigated runoff of 0.4298 cfs, which is the total stormwater runoff from the 85th percentile/24-hour rainfall event.

Additionally, this project will require preparing and implementing a Storm Water Pollution Prevention Plan (SWPPP) for the construction site by the requirements for construction sites greater than 1 acre per part VI.D.8.e-j of the NPDES permit order No. R4-2012-0175 as amended by order WQ2015-0075. A SWPPP will be provided per the state water board requirements, and construction BMPs will be implemented to reduce pollutants in stormwater. The types of construction BMPs can be found in Tables 13 and 14 in appendix K of the MS4 permit. The development of the SWPPP and selection of the construction BMPs will be determined as the project's design progresses into final engineering.

CONCLUSION

The preliminary analysis concludes that the proposed development will not adversely impact the historic runoff conditions. The mitigated post – redevelopment flows are decreased over the predevelopment. The equivalent of the entire stormwater quality volumes has been treated adequately via Capture and Reuse or flow-thru treatment BMPs.

References

1) County of Los Angeles (2006). *Hydrology Manual for Department of Public Works*, Los Angeles, CA.

2) County of Los Angeles (2006). *Sedimentation Manual for Department of Public Works*, Los Angeles, CA.

Exhibit 1:

Vicinity Map

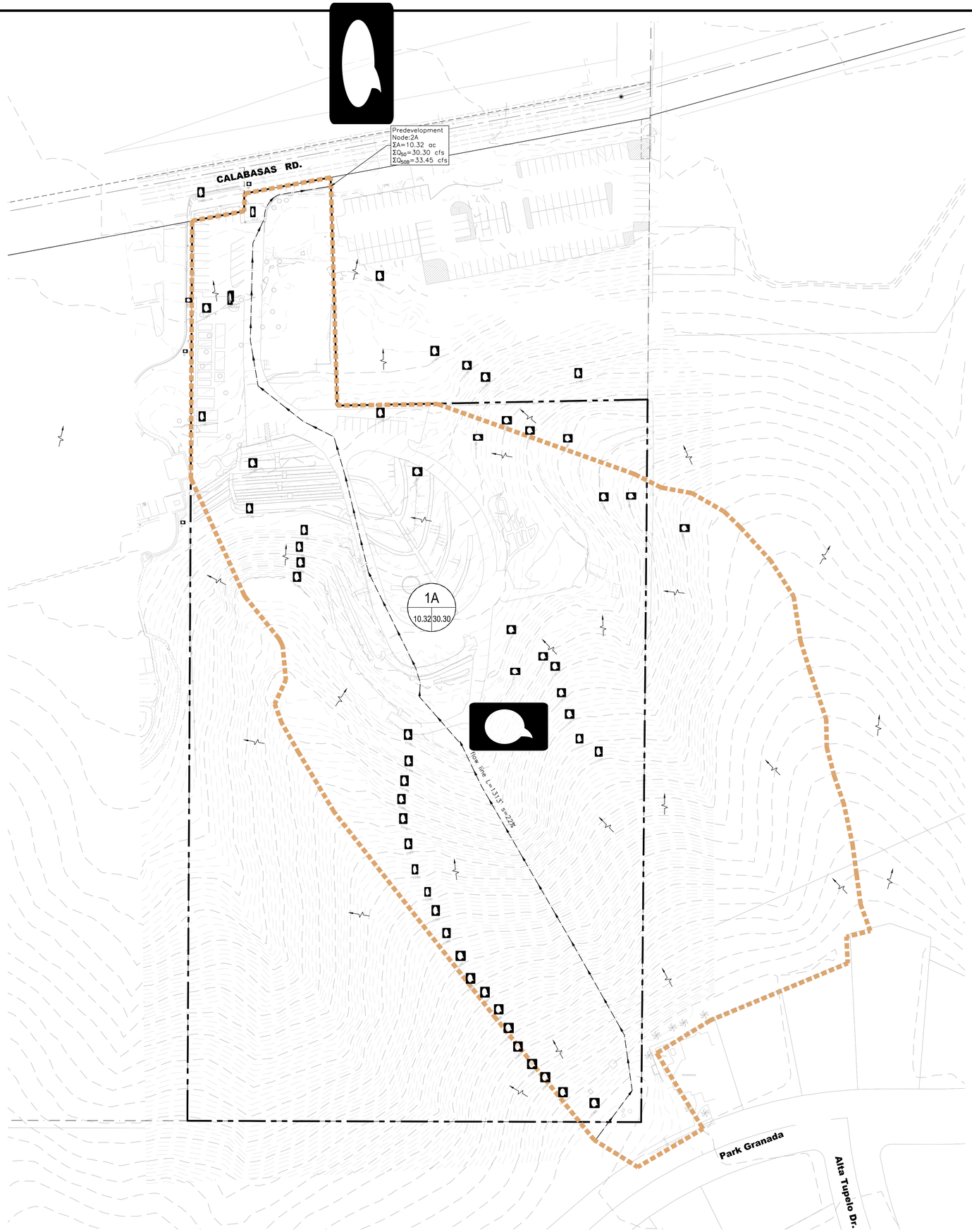
VICINITY MAP

Project Address:
24460 Calabasas Road
Calabasas, CA 91302



Exhibit 2:

Existing Conditions Hydrology Map



LEGEND

- SUBAREA
- Q50 (CFS)
- AREA (ACRES)
- DRAINAGE BOUNDARY
- FLOW PATH
- FLOW ARROW
- OVERLAND FLOW ARROW

Hydrology Existing Conditions

Sub Area	1A
Area (Sf)	449,519
Area (Acres)	10.32
Flowpath (ft)	1,313
Slope	0.22
% Impervious*	0.158
50 yr Rain Fall (in)	7.35
10 yr Rainfall (in)	5.25
Soil Type	4
Debris Zone	4
Cu - 50yr	0.7668
Cd - 50 yr	0.7879
Tc (min) - 50yr	7
Q (cfs) - 50yr	30.30
Qb (cfs) - 50yr	33.42
V (cf) - 50yr	87,340

Bulk Flow Rate

Subarea	1A	Total
DPA Zone	4	-
Q50 (cfs)	30.30	30.3
Q50b(cfs)	33.42	33.4
BFi(Ai)	1.67 *	-
Ai (ac)	10.32	-
Au (ac)	8.69	-
Ad (ac)	1.63	-
QBB(cfs)	51.78	**51.8**

*Sedimentation Manual - Appendix B-4: Peak Bulking Factor Curves

Debris Potential

Subarea	1A	Total
DPA Zone	4	-
Debris Production (cy/mi2)	72000 *	-
DPR(A) (cy/ac)	112.50	-
A (ac)	8.7	8.69
DP (cy)	**977**	**977**

*Sedimentation Manual - Appendix B-1: Debris Production Rate Curves

NORTH

0 25 50 100

GRAPHIC SCALE: 1" = 50'
@ 30x42

Prepared By:

DIAMOND WEST
civil engineering • land surveying • land planning
3801 Calabasas Road, Suite 1034
Calabasas, CA 91302
Phone: (818) 591-1050
www.diamondwest.net

PLAN REVISION DESCRIPTIONS

PREPARED BY OR UNDER THE DIRECTION OF:



SIGNATURE:

DATE:

CALABASAS KIA
24460 CALABASAS ROAD,
CALABASAS CA, 91302

ADDRESS:

SHEET TITLE: HYDROLOGY EXISTING CONDITIONS MAP

SHEET NO.

1

OF 1 CIVIL SHEETS

DATE: 2023-03-10

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Plotted: 10/5/2023 - Hello Auto Group Inc Calabasas Kia\100-HWH\DWG\22-1015-200-EXHM-01.dwg
By: Jose Alvarez

Exhibit 3:

Conceptual Grading Plan – For Reference

CITY of CALABASAS

CONCEPTUAL GRADING AND DRAINAGE PLAN
24460 CALABASAS ROAD

PROJECT APPLICANT/OWNER:

HELLO AUTO GROUP
24095 CREEKSIDE ROAD
SANTA CLARITA, CA 91355

PROPERTY INFORMATION:

24460 CALABASAS ROAD
CALABASAS CA, 91302
APN: 2069-009-009 & 2069-009-020

ARCHITECT:

AHT ARCHITECTS, INC.
2120 WILSHIRE BLVD, SUITE 200
SANTA MONICA CA, 90403
(310) 453 - 4431

CIVIL ENGINEER:

DIAMOND WEST, INC.
23801 CALABASAS ROAD, SUITE 1034
CALABASAS, CA 91302
(818) 591-1050

LANDSCAPE/ARCHITECT:

L NEWMAN DESIGN GROUP, INC.
31300 VIA COLINAS, SUITE 104
WESTLAKE VILLAGE, CA 91362
(818) 991-5056

ARBORIST:

TREE CARE CONSULTING
1534 N. MOORPARK ROAD
THOUSAND OAKS, CA 91360
(818) 512-3135

LEGAL DESCRIPTION:

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

PARCEL A: ASSESSORS PARCEL NO: 2069-009-020

PARCEL 1 OF PARCEL MAP NO. 5932, IN THE CITY OF CALABASAS, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 67, PAGES 40 AND 41 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

PARCEL B: ASSESSORS PARCEL NO: 2069-009-008

THAT PORTION OF THE SOUTHEAST QUARTER OF SECTION 1, TOWNSHIP 1 NORTH, RANGE 17 WEST, SAN BERNARDINO BASE AND MERIDIAN, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT OF SAID LAND FILED IN THE DISTRICT LAND OFFICE, SEPTEMBER 25, 1896, BOUNDED EASTERLY AND SOUTHERLY BY THE EASTERLY AND SOUTHERLY LINES OF SAID SOUTHEAST QUARTER, BOUNDED NORTHERLY BY THE SOUTHERLY LINE OF CALABASAS ROAD, AS IT NOW EXISTED OF RECORD ON MARCH 9, 1965, AND BOUNDED WESTERLY BY THE FOLLOWING DESCRIBED LINE:

BEGINNING AT THE INTERSECTION OF THE SOUTHERLY LINE OF SAID SOUTHEAST QUARTER WITH A LINE PARALLEL WITH AND 60 FEET WESTERLY MEASURED AT RIGHT ANGLES, FROM THE SOUTHERLY PROLONGATION OF THE WESTERLY LINE OF THE LAND DESCRIBED IN THE DEED TO THE CALABASAS SCHOOL DISTRICT OF LOS ANGELES RECORDED FEBRUARY 13, 1930 AS INSTRUMENT NO. 1724, IN BOOK 9719, PAGE 244, OF OFFICIAL RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, SAID POINT OF INTERSECTION BEING 528.29 FEET
WESTERLY MORE OR LESS FROM THE SOUTHEAST CORNER OF SAID SOUTHEAST QUARTER; THENCE NORTHERLY ALONG SAID PARALLEL LINE, TO SAID SOUTHERLY LINE OF THE LAND DESCRIBED IN SAID DEED RECORDED IN BOOK 14302, PAGE 296 OF SAID OFFICIAL RECORDS.

EXCEPT ANY PORTION THEREOF OWNED BY THE CALABASAS SCHOOL DISTRICT OF LOS ANGELES COUNTY AS SET FORTH IN DEED RECORDED FEBRUARY 13, 1930 IN BOOK 9719, PAGE 244, OF OFFICIAL RECORDS.

EXCEPT TWO-FIFTHS INTEREST IN AND TO ALL OIL, GAS AND/OR OTHER HYDROCARBON SUBSTANCES AND MINERALS, IN, ON OR UNDER SAID LAND, AS RESERVED IN THE DEED FROM VIOLA E. MIDDAGH, RECORDED IN BOOK 22560, PAGE 440, OFFICIAL RECORDS OF SAID COUNTY.

BY QUITCLAIM DEED DATED SEPTEMBER 11, 1975 AND RECORDED SEPTEMBER 12, 1975 AS INSTRUMENT NO. 5982, LOUIS HARSON QUITCLAIMED TO CAROL SCHINDELHEIM ALL HIS INTEREST IN ALL OIL, GAS AND OTHER HYDROCARBON SUBSTANCES, LYING IN AND UTILITIES UNDER A DEPTH OF 500 FEET BELOW THE SURFACE OF SAID LAND, BUT WITHOUT ANY RIGHT OF ENTRY UPON THE SURFACE OF SAID LAND.

ALSO EXCEPT THEREFROM ANY PORTION OF SAID LAND LYING WITHIN PARCEL MAP NO. 5932, AS PER MAP RECORDED IN BOOK 67, PAGES 40 AND 41 OF PARCEL MAPS.

BENCH MARK AND VERTICAL DATUM:

LOS ANGELES COUNTY PUBLIC WORKS
VERTICAL CONTROL DATA
DATUM: NAVD 1988
ADJUSTMENT: 2008 MALIBU QUAD

PRIMARY BM:
B.M. Y 11262
REC./MEAS.ELEVATION = 1,057.396 FEET
L&T IN CTR HDWL CULV 23' S/O C/L CALABASAS RD &
265' W/O C/L CALABASAS PKWY OFF-RAMP (101 FWY)

SECONDARY BM:
B.M. Y 12350
MEAS. ELEVATION = 1,085.264 FEET
REC. ELEVATION = 1,085.301 FEET
L&DPW TAG IN CB CALABASAS ROAD NR LARGE METAL
PP#2367217E 96' E/O & OPP WLY MOST DR TO BLDG#24500

ZONING AND LAND USE:

ZONING: COMERCIAL LIMITED (CL)

FLOOD ZONE:

FLOOD ZONE "X" - AREAS OF MINIMAL FLOODING PER COMMUNITY PANEL NO. 06037C1268F, DATED 09-26-2008.

AREA:

GROSS AREA: 476,553 SF (10.94AC)

TOTAL DISTURBED:

PROPOSED: 2.4 AC

TOTAL IMPERVIOUS AREA:

EXISTING: 71,110 SF
PROPOSED: 80,149 SF

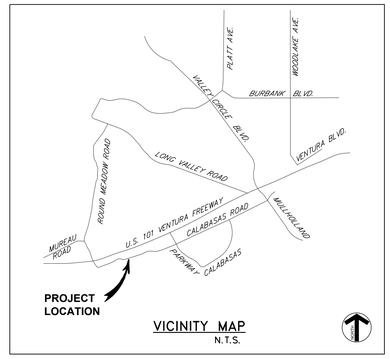
GROSS YARDAGE VOLUMES:

CUT: 20,700 CY
FILL: 700 CY
TOTAL: 20,000 (EXPORT)

PUBLIC UTILITIES / SERVICES:

WATER: LAS VIRGENES MUNICIPAL WATER DISTRICT
4232 LAS VIRGENES ROAD
CALABASAS, CA 91302
(818) 880-4110

ELECTRICAL: SOUTHERN CALIFORNIA EDISON
3589 FOOTHILL DRIVE
THOUSAND OAKS, CA 91361
(818) 494-7016



VICINITY MAP
N.T.S.

SHEET INDEX:

SHEET C1 - TITLE SHEET
SHEET C2 - EXISTING CONDITIONS PLAN
SHEET C3 - SLOPE MAP
SHEET C4 - TENTATIVE MAP
SHEET C5 - CONCEPTUAL GRADING & DRAINAGE PLAN
SHEET C6 - CONCEPTUAL GRADING SECTIONS
SHHET C7 - FIRE ACCESS PLAN

FOR CONCEPTUAL APPROVAL ONLY

Prepared By:
DIAMOND WEST
civil engineering • land surveying • land planning
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Calabasas, CA 91302
Phone: (818) 591-1050
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PLAN REVISION DESCRIPTIONS

PREPARED BY OR UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER WILLIAM C. CUNNINGHAM No. 80129 Exp. 09/30/24 CIVIL STATE OF CALIFORNIA

PRELIMINARY

SIGNATURE: DATE:

ADDRESS:
CALABASAS KIA
24460 CALABASAS ROAD,
CALABASAS CA, 91302

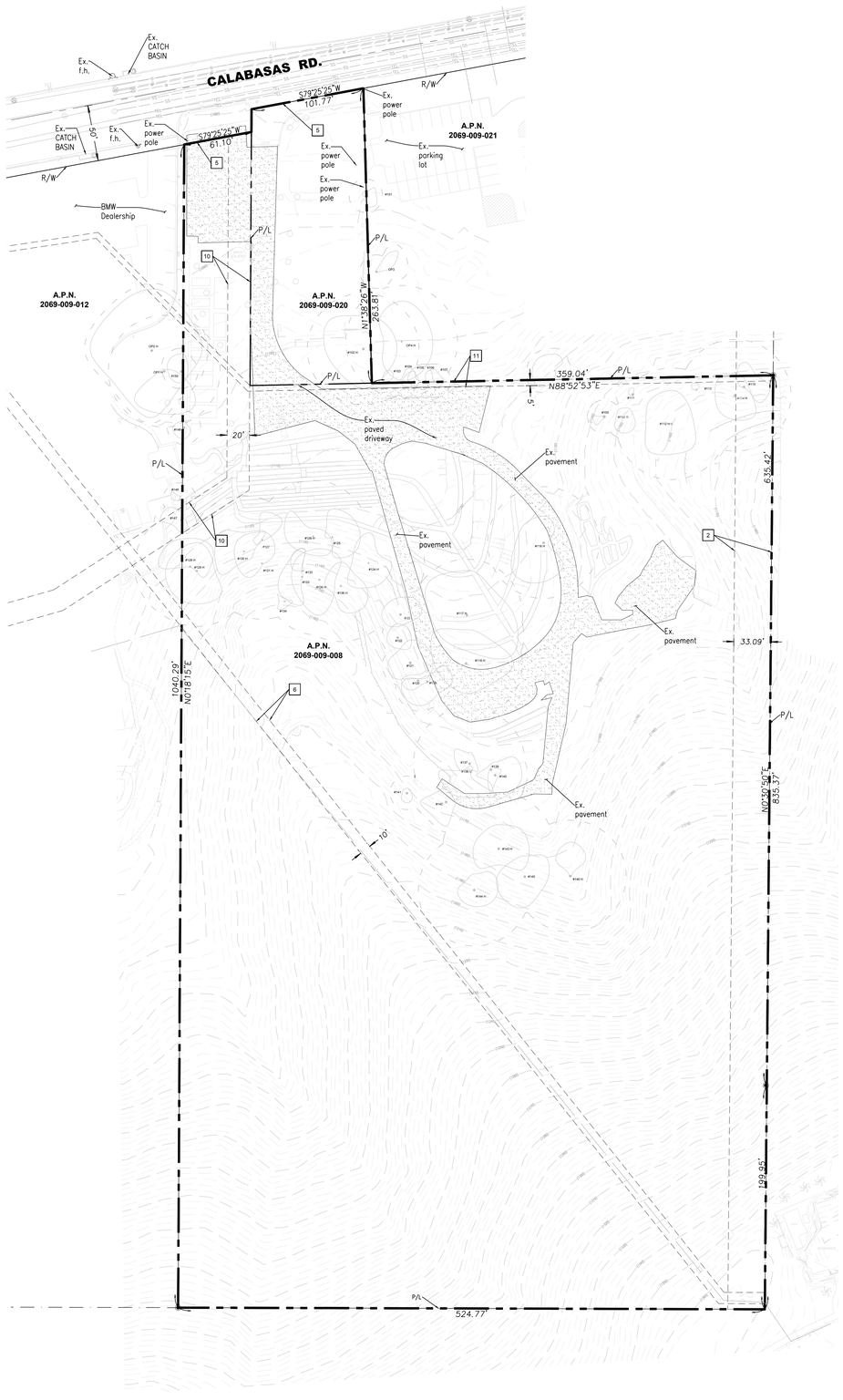
SHEET TITLE:
TITLE SHEET

SHEET NO.
1
OF 7 CIVIL SHEETS

DATE: 2023-04-05

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P:\22-1015 - Hello Auto Group re Calabasas Kia\L20-Entitlement Planning\dwg\22-1015 - Calabasas Kia - 1 - Title Sheet.dwg
Apr 05, 2023 - 3:09pm - jsmith



LEGEND:

- EXISTING CONTOUR (1350)
- EXISTING SPOT ELEVATION 1300.0
- CANOPY
- TREE NUMBER
- EXISTING OAK TREE
- PROTECTION ZONE
- EXISTING TREE
- EXISTING POWER POLE
- EXISTING PAVEMENT
- Existing Right-of-Way
- Property Line
- Existing Easements
- Existing Street Centerlines
- W — Water (Existing)
- SS — Sanitary Sewer (Existing)
- G — Natural Gas (Existing)
- TEL — Telephone (Existing)

EASEMENTS:	
2	POLES
5	PRIVILEGE AND RIGHT-EXTEND AND MAINTAIN DRAINAGE STRUCTURES AND EMBANKMENT SLOPES
6	PIPELINES
10	UNDERGROUND TELEPHONE, TELEGRAPH, AND COMMUNICATION STRUCTURES
11	PIPELINES

NORTH

0 25 50 100

GRAPHIC SCALE: 1" = 50'
@ 30x42

FOR CONCEPTUAL APPROVAL ONLY

Prepared By:

DIAMOND WEST

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PLAN REVISION DESCRIPTIONS

PREPARED BY OR UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER W. M. C. CUNNINGHAM No. 80129 Exp. 09/30/24 CIVIL STATE OF CALIFORNIA

PRELIMINARY

SIGNATURE: DATE:

ADDRESS:
CALABASAS KIA
24460 CALABASAS ROAD,
CALABASAS CA, 91302

SHEET TITLE:
EXISTING CONDITIONS PLAN

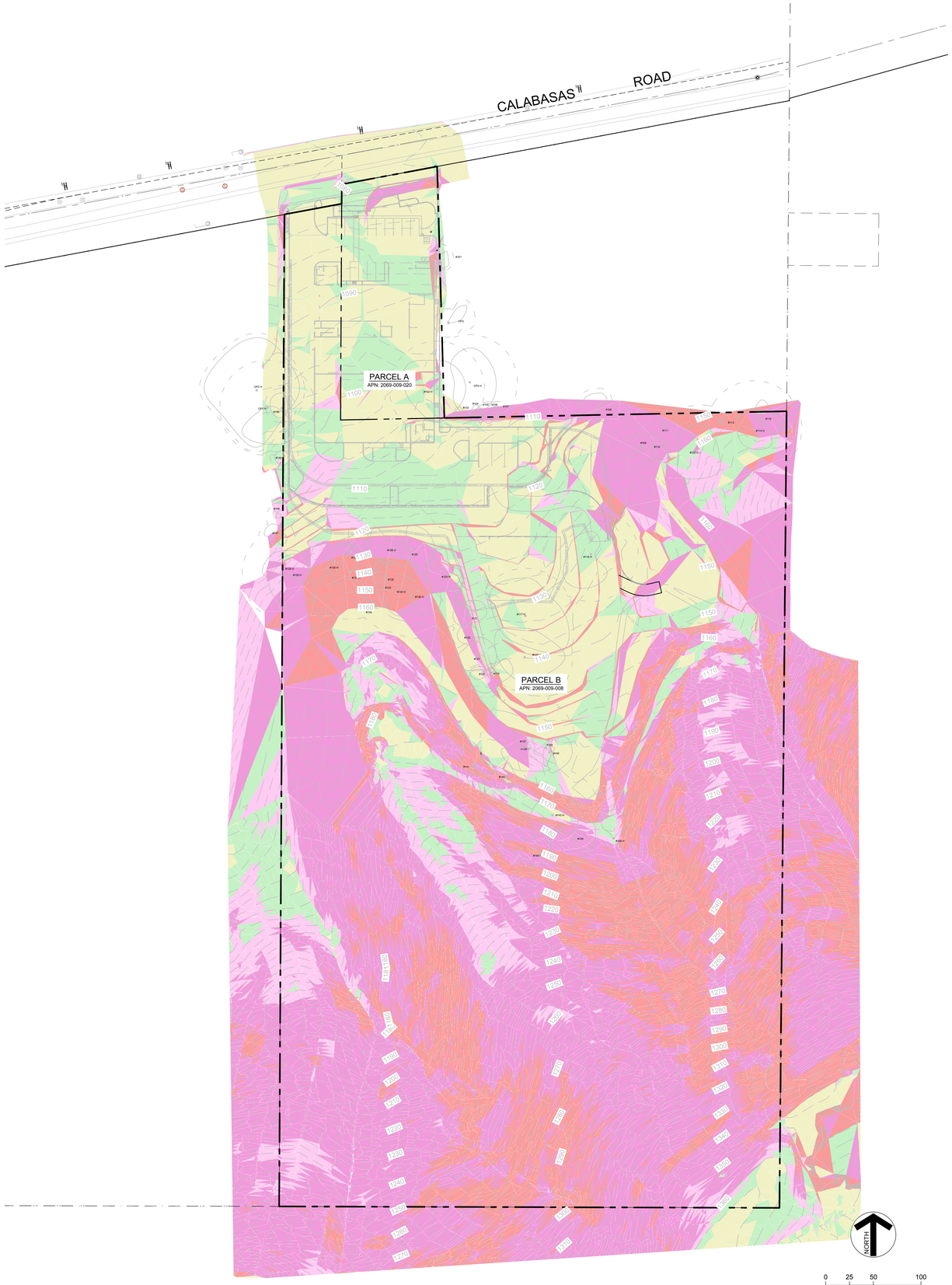
SHEET NO.
2

OF 7 CIVIL SHEETS

DATE: 2023-04-05

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04/04/2023 3:50:07 PM



Slopes Table			
Number	Minimum Slope	Maximum Slope	Color
1	0.00%	10.00%	
2	10.00%	20.00%	
3	20.00%	30.00%	
4	30.00%	50.00%	
5	50.00%	5336873.77%	

LEGEND:

- Subject Parcel Boundary
- Existing Right-of-Way
- Existing Parcels
- Existing Easements
- Existing Street Centerlines

FOR CONCEPTUAL APPROVAL ONLY

Prepared By:

DIAMOND WEST

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Calabasas, CA 91302
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PLAN REVISION DESCRIPTIONS

PREPARED BY OR UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM C. CUNNINGHAM
No. 80129
Exp. 09/30/24
CIVIL
STATE OF CALIFORNIA

PRELIMINARY

SIGNATURE: DATE:

ADDRESS: CALABASAS KIA
24460 CALABASAS ROAD,
CALABASAS CA, 91302

SHEET TITLE: SLOPE MAP

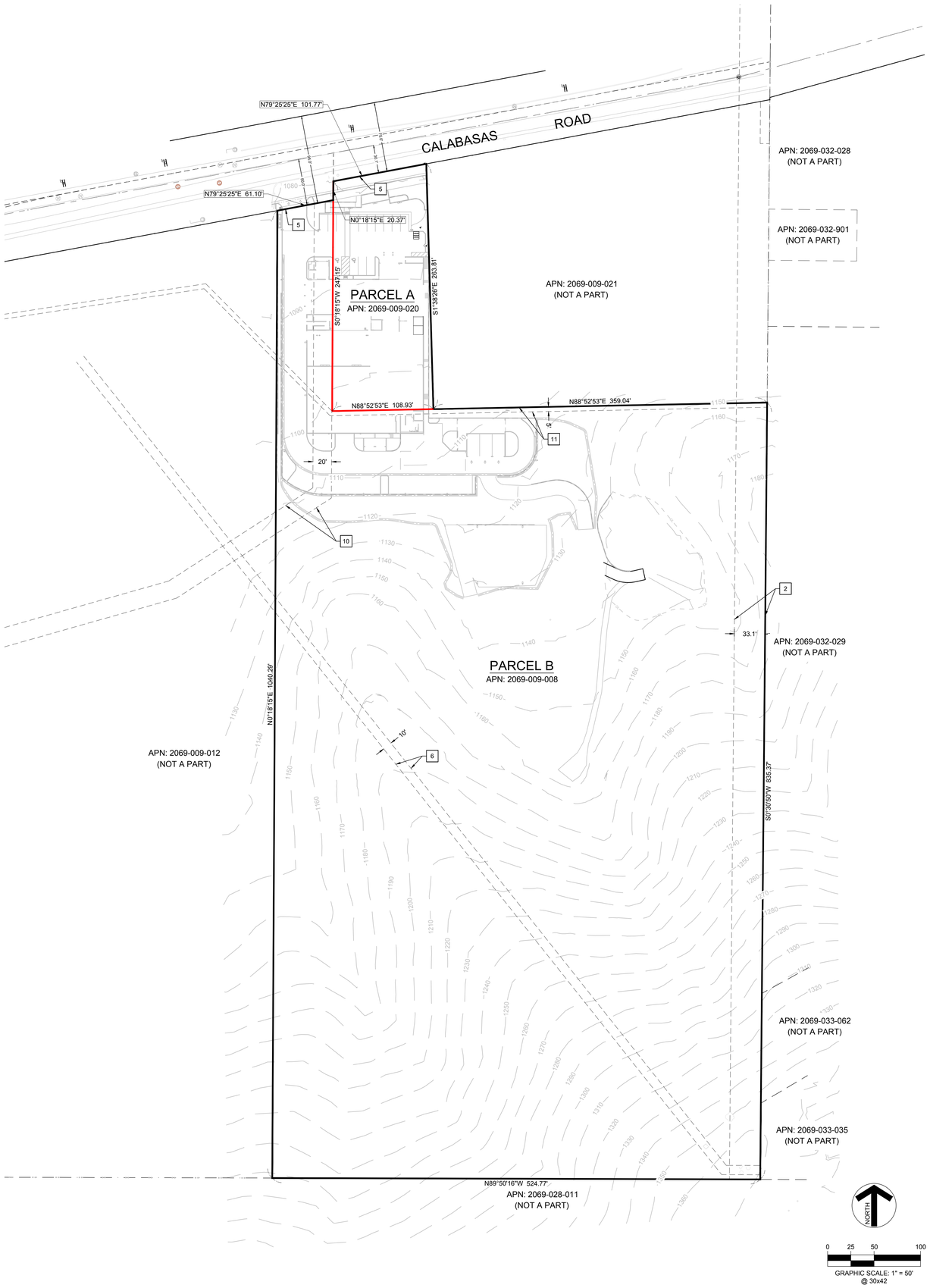
SHEET NO. 3

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Aug 04, 2023 - 3:34pm - ckelly



LEGEND:

- Existing Property Boundary, to Remain
- Existing Property Boundary, to be Removed
- Proposed Property Boundary
- Existing Right-of-Way
- Existing Parcels
- Existing Easements
- Existing Street Centerlines

LEGAL DESCRIPTION:

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

PARCEL A: ASSESSORS PARCEL NO: 2069-009-020

PARCEL 1 OF PARCEL MAP NO. 5932, IN THE CITY OF CALABASAS, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 67, PAGES 40 AND 41 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

PARCEL B: ASSESSORS PARCEL NO: 2069-009-008

THAT PORTION OF THE SOUTHEAST QUARTER OF SECTION 1, TOWNSHIP 1 NORTH, RANGE 17 WEST, SAN BERNARDINO BASE AND MERIDIAN, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT OF SAID LAND FILED IN THE DISTRICT LAND OFFICE, SEPTEMBER 25, 1896, BOUNDED EASTERLY AND SOUTHERLY BY THE EASTERLY AND SOUTHERLY LINES OF SAID SOUTHEAST QUARTER, BOUNDED NORTHERLY BY THE SOUTHERLY LINE OF CALABASAS ROAD, AS IT NOW EXISTED OF RECORD ON MARCH 9, 1965, AND BOUNDED WESTERLY BY THE FOLLOWING DESCRIBED LINE:

BEGINNING AT THE INTERSECTION OF THE SOUTHERLY LINE OF SAID SOUTHEAST QUARTER WITH A LINE PARALLEL WITH AND 60 FEET WESTERLY MEASURED AT RIGHT ANGLES, FROM THE SOUTHERLY PROLONGATION OF THE WESTERLY LINE OF THE LAND DESCRIBED IN THE DEED TO THE CALABASAS SCHOOL DISTRICT OF LOS ANGELES RECORDED FEBRUARY 13, 1930 AS INSTRUMENT NO. 1724, IN BOOK 9719, PAGE 244, OF OFFICIAL RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, SAID POINT OF INTERSECTION BEING 528.29 FEET
WESTERLY MORE OR LESS FROM THE SOUTHEAST CORNER OF SAID SOUTHEAST QUARTER; THENCE NORTHERLY ALONG SAID PARALLEL LINE, TO SAID SOUTHERLY LINE OF THE LAND DESCRIBED IN SAID DEED RECORDED IN BOOK 14302, PAGE 296 OF SAID OFFICIAL RECORDS.

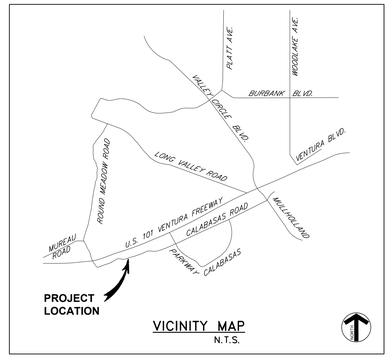
EXCEPT ANY PORTION THEREOF OWNED BY THE CALABASAS SCHOOL DISTRICT OF LOS ANGELES COUNTY AS SET FORTH IN DEED RECORDED FEBRUARY 13, 1930 IN BOOK 9719, PAGE 244, OF OFFICIAL RECORDS.

EXCEPT TWO-FIFTHS INTEREST IN AND TO ALL OIL, GAS AND/OR OTHER HYDROCARBON SUBSTANCES AND MINERALS, IN, ON OR UNDER SAID LAND, AS RESERVED IN THE DEED FROM VIOLA E. MIDDAGH, RECORDED IN BOOK 22560, PAGE 440, OFFICIAL RECORDS OF SAID COUNTY.

BY QUITCLAIM DEED DATED SEPTEMBER 11, 1975 AND RECORDED SEPTEMBER 12, 1975 AS INSTRUMENT NO. 5982, LOUIS HARSON QUITCLAIMED TO CAROL SCHINDELHEIM ALL HIS INTEREST IN ALL OIL, GAS AND OTHER HYDROCARBON SUBSTANCES, LYING IN AND UTILITIES UNDER A DEPTH OF 500 FEET BELOW THE SURFACE OF SAID LAND, BUT WITHOUT ANY RIGHT OF ENTRY UPON THE SURFACE OF SAID LAND.

ALSO EXCEPT THEREFROM ANY PORTION OF SAID LAND LYING WITHIN PARCEL MAP NO. 5932, AS PER MAP RECORDED IN BOOK 67, PAGES 40 AND 41 OF PARCEL MAPS.

EASEMENTS:	
2	POLES
6	PIPELINES
10	UNDERGROUND TELEPHONE, TELEGRAPH, AND COMMUNICATION STRUCTURES TO BE VACATED.
11	PIPELINES TO BE VACATED.



VICINITY MAP
N.T.S.

EXISTING PARCEL SUMMARY

PARCEL	EXISTING APN	EXISTING AREA	EXISTING ZONING	EXISTING PLAN DESIGNATION
Parcel A	2069-009-020	0.61 ac	CL (Commercial Limited)	CL (Commercial Limited)
Parcel B	2069-009-008	10.33 ac	CL (Commercial Limited)	CL (Commercial Limited)

PROPOSED PARCEL SUMMARY

PARCEL	PROPOSED AREA	PROPOSED ZONING	PROPOSED PLAN DESIGNATION
Parcel 1	10.94 ac	No Change CL (Commercial Limited)	No Change CL (Commercial Limited)

SITE MAP OF CERTIFICATE OF COMPLIANCE
FOR LOT LINE ADJUSTMENT NO. LLAXX-XXXXX
FOR CONCEPTUAL APPROVAL ONLY

Prepared By:

DIAMOND WEST
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PLAN REVISION DESCRIPTIONS

PREPARED BY OR UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER WILLIAM C. CUNNINGHAM No. 80129 Exp. 09/30/24 CIVIL STATE OF CALIFORNIA

PRELIMINARY

SIGNATURE: DATE:

ADDRESS: CALABASAS KIA
24460 CALABASAS ROAD,
CALABASAS CA, 91302

SHEET TITLE: TENTATIVE LOT LINE ADJUSTMENT

SHEET NO.

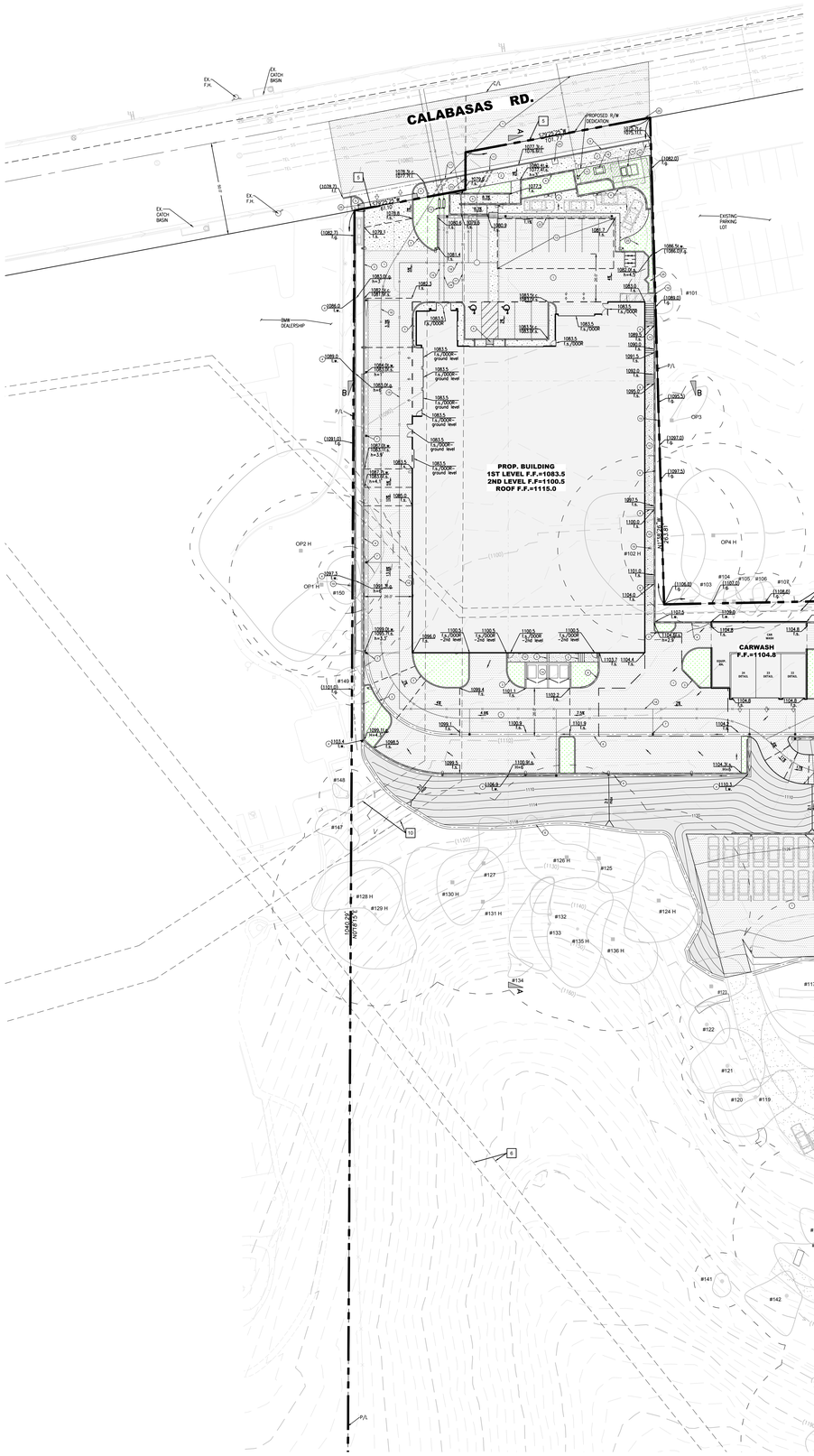
4

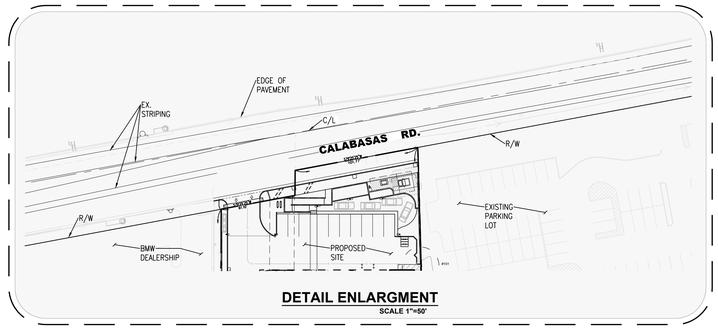
OF 7 CIVIL SHEETS

DATE: 2023-04-05

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04/05/23 Jeffrey Hoke





DETAIL ENLARGMENT
SCALE 1"=50'

EASEMENTS:

2	POLES
5	PRIVILEGE AND RIGHT-EXTEND AND MAINTAIN DRAINAGE STRUCTURES AND EMBANKMENT SLOPES
6	PIPELINES
10	UNDERGROUND TELEPHONE, TELEGRAPH, AND COMMUNICATION STRUCTURES TO BE VACATED.
11	PIPELINES TO BE VACATED.

LEGEND:

- 98.00 TC — SPOT ELEVATION / DESCRIPTION OF ELEVATION
- (98.00) EG — EXISTING SPOT ELEVATION / DESCRIPTION OF ELEVATION
- 1.0% — PROPOSED GRADIENT AND DIRECTION OF FLOW
- (1.0%) — EXISTING GRADIENT AND DIRECTION OF FLOW
- 1 — SITE PLAN NOTE
- 1150 — PROPOSED CONTOUR
- (1150) — EXISTING CONTOUR
- 986.4 — EXISTING SPOT ELEVATION
- 2 — EASEMENT NOTE
- PROPOSED STEP
- PROPOSED DRAIN
- EXISTING TREE
- TREE TO BE REMOVED
- #2 — CANOPY / TREE NUMBER / EXISTING OAK TREE / PROTECTION ZONE
- #2 — CANOPY / TREE NUMBER / DEMO OAK TREE / PROTECTION ZONE
- #2 — CANOPY / TREE NUMBER / ENCROACH OAK TREE / PROTECTION ZONE

- Subject Parcel Boundary
- Existing Right-of-Way
- Proposed Property Line
- Existing Parcels
- Existing Easements
- Existing Street Centerlines
- Building Setback
- Proposed Building
- Existing Retaining Wall
- Proposed Retaining Wall
- Proposed Fence
- Proposed Curb
- GB — Grade Break
- Storm Drain (Existing)
- Storm Drain (Proposed)
- SS — Sanitary Sewer (Existing)
- SS — Sanitary Sewer (Proposed)
- W — Water (Existing)
- W — Water (Proposed)
- IR — Recycled Water (Existing)
- IR — Recycled Water (Proposed)
- G — Natural Gas (Existing)
- G — Natural Gas (Proposed)
- CTV — Communications (Existing)
- TEL — Telephone (Existing)

- A.C. PAVEMENT
- CONCRETE
- LANDSCAPING
- EXISTING PAVEMENT
- TRUNCATED DOMES

ABBREVIATIONS:

1F	FIRST FLOOR	HP	HIGH POINT
APN	ASSESSOR'S PARCEL NUMBER	INV	INVERT
BLDG	BUILDING	MH	MANHOLE (UTILITY)
CB	CATCH BASIN	PA	PLANTER AREA
CL	CENTER LINE	P/L	PROPERTY LINE
CONC	CONCRETE	PP	POWER POLE
D/W	DRIVEWAY	PR	PROPOSED
EG	EXISTING GROUND	PROP	PROPERTY
ELEC	ELECTRICAL	ROW	RIGHT OF WAY
EP	EDGE OF PAVEMENT	SD	STORM DRAIN
EX	EXISTING	SDMH	STORM DRAIN MANHOLE
FF	FINISHED FLOOR	SMH	SEWER MANHOLE
FG	FINISHED GROUND	SWR	SEWER
FH	FIRE HYDRANT	TC	TOP OF CURB
FL	FLOW LINE	TG	TOP OF GRATE
FS	FINISHED SURFACE	TMH	TELEPHONE MANHOLE
GB	GRADE BREAK	TW	TOP OF WALL
H	HEIGHT	(TYP)	TYPICAL
		UNKN	UNKNOWN

SITE PLAN NOTES:

1. PROPOSED PAVEMENT.
2. PROPOSED SIDEWALK.
3. PROPOSED CURB.
4. PROPOSED RETAINING WALL.
5. PROPOSED RAMP.
6. PROPOSED DRAINAGE SWALE.
7. PROPOSED DRAIN INLET.
8. PROPOSED STEP.
9. PROPOSED CURB & GUTTER.
10. PROPOSED WALKWAY.
11. PROPOSED PARKWAY DRAIN.
12. PROPOSED UNDERGROUND STORM WATER DETENTION/LID FACILTY.
13. PROPOSED BACKFLOW ASSEMBLY.
14. PROPOSED TRASH ENCLOSURE.
15. PROPOSED WATER LINE.
16. PROPOSED ELECTRIC TRANSFORMER.
17. PROPOSED SEWER LINE.
18. PROPOSED STORM DRAIN LINE.
19. EXISTING OAK TREE TO BE REMOVED.
20. PROPOSED DEBRIS BASIN.
21. PROPOSED VEGETATED DRAINAGE CHANNEL.
22. PROPOSED ROLLED CURB.
23. PROPOSED TREE WELL.
24. PROPOSED FIRE LINE.
25. EXISTING POWER POLE TO BE RELOCATED/REMOVED.
26. EXISTING PAVEMENT TO REMAIN.

NORTH

0 15 30 60
GRAPHIC SCALE: 1" = 30'
@ 30x42

FOR CONCEPTUAL APPROVAL ONLY

Prepared By:

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PLAN REVISION DESCRIPTIONS

PREPARED BY OR UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER — C. CUNNINGHAM — No. 80129 — Exp. 09/30/24 — CIVIL — STATE OF CALIFORNIA

PRELIMINARY

SIGNATURE: DATE:

ADDRESS:
CALABASAS KIA
24460 CALABASAS ROAD,
CALABASAS CA, 91302

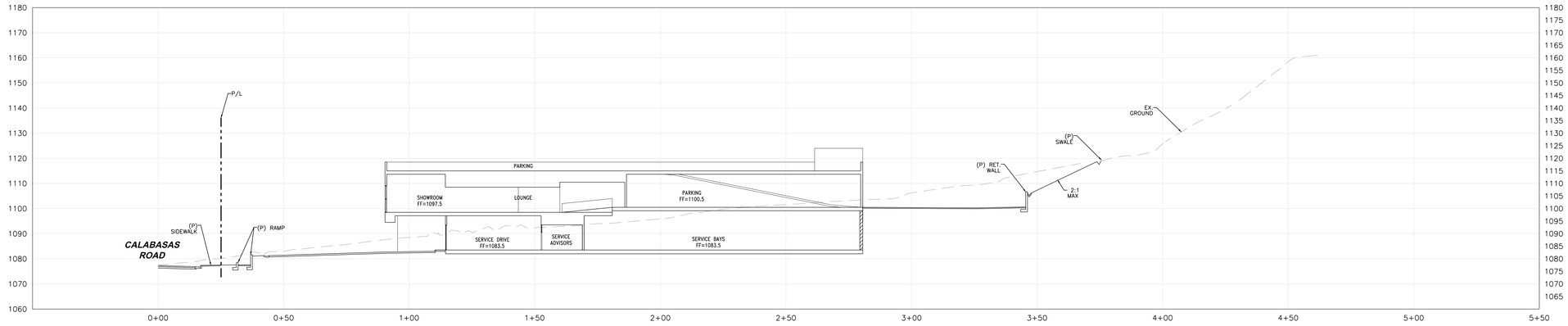
SHEET TITLE:
CONCEPTUAL GRADING AND DRAINAGE PLAN

SHEET NO.
5
OF 7 CIVIL SHEETS

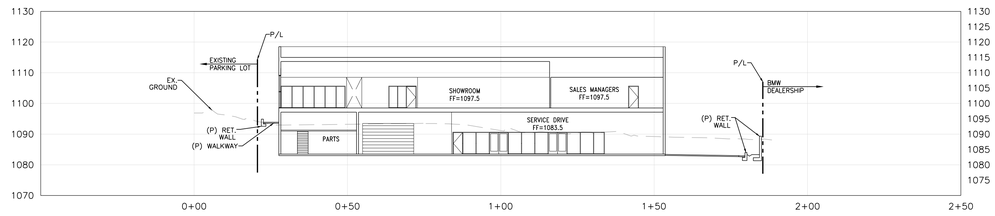
DATE: 2023-04-05

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Plotted: Apr 05, 2023 - 3:56PM



SECTION A-A



SECTION B-B

0 10 20 40
GRAPHIC SCALE: 1" = 20'
@ 30x42

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No. 80129
Exp. 09/30/24
CIVIL
STATE OF CALIFORNIA

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SIGNATURE: DATE:

ADDRESS:
CALABASAS KIA
24460 CALABASAS ROAD,
CALABASAS CA, 91302

SHEET TITLE:
SECTIONS

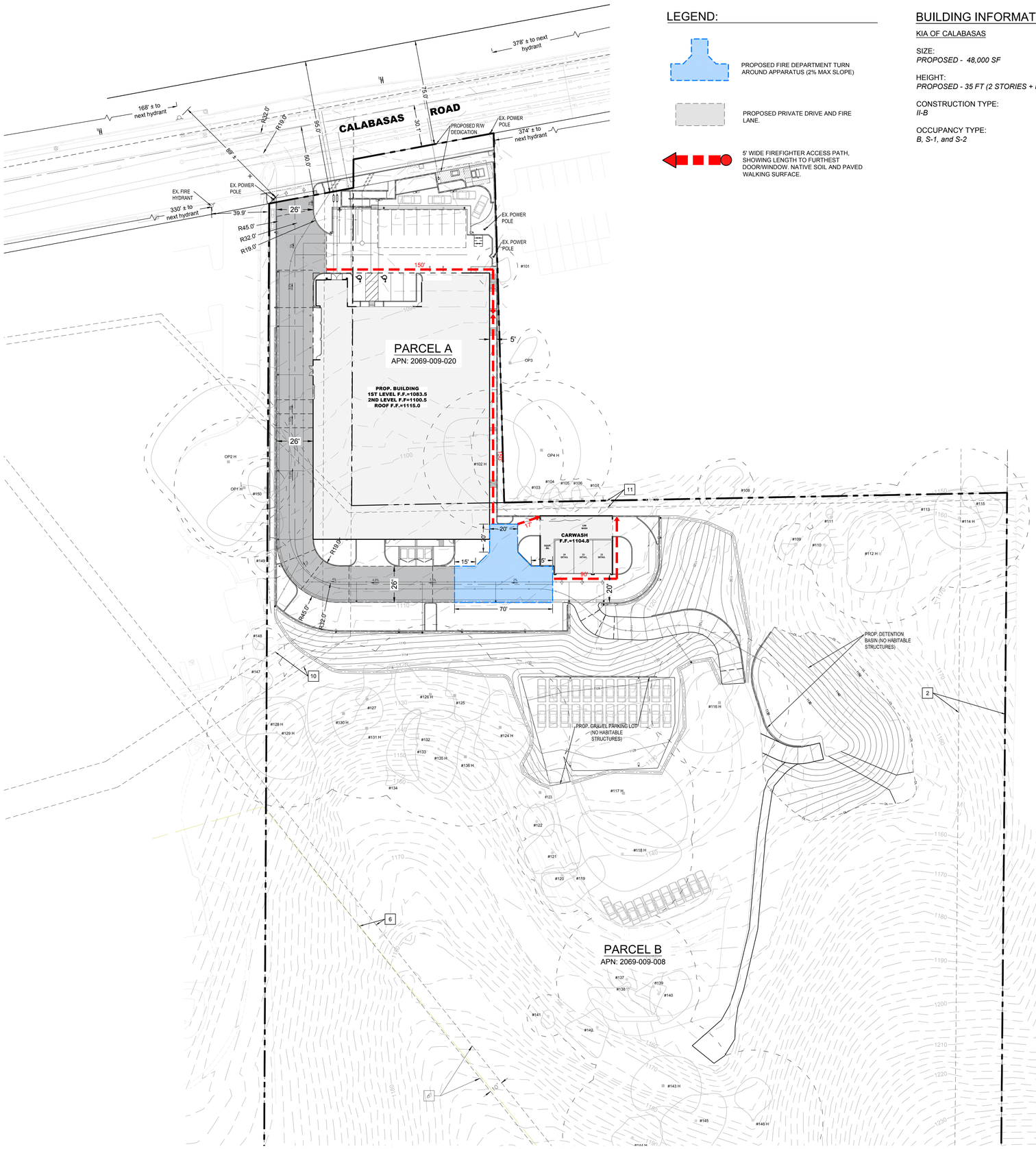
SHEET NO.
6

OF 7 CIVIL SHEETS

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01/27/2023 2:38pm, ZAN



LEGEND:

PROPOSED FIRE DEPARTMENT TURN AROUND APPARATUS (2% MAX SLOPE)

PROPOSED PRIVATE DRIVE AND FIRE LANE.

5' WIDE FIREFIGHTER ACCESS PATH, SHOWING LENGTH TO FURTHEST DOOR/WINDOW. NATIVE SOIL AND PAVED WALKING SURFACE.

BUILDING INFORMATION

KIA OF CALABASAS

SIZE:
PROPOSED - 48,000 SF

HEIGHT:
PROPOSED - 35 FT (2 STORIES + ROOFTOP PARKING)

CONSTRUCTION TYPE:
II-B

OCCUPANCY TYPE:
B, S-1, and S-2

Fire Department Notes:

1. Approved building address numbers, building numbers or approved building identification shall be provided and maintained so as to be plainly visible and legible from the street fronting the property. The numbers shall contrast with their background, be Arabic numerals or alphabet letters, and be a minimum of 4 inches high with a minimum stroke width of 0.5 inch. (Fire code 505.1)
2. Provide a minimum unobstructed width of 26 feet, except for approved security gates in accordance with Section 503.6 and an unobstructed vertical clearance "clear to sky" Fire Department vehicular access within 150 feet of all portions of the exterior building walls. (Fire Code 503.2.1)
3. Fire Department vehicular access roads must be installed and maintained in a serviceable manner prior to and during the time of construction. (Fire Code 501.4)
4. A minimum 5 foot wide approved firefighter access walkway leading from the fire apparatus access road to the buildings exterior openings shall be provided for fire fighting and rescue purposes. Fire Code 504.1. piping shall be witnessed by an authorized Fire Department representative. No underground piping or thrust blocks shall be covered with earth or hidden from view until the Fire Department representative has been notified and given not less the 48 hours in which to inspect such installations. Fire code 901.5, County of Los Angeles Fire Department Regulation 7.
5. All required public fire hydrants shall be installed, tested and accepted prior to beginning construction. Fire Code 501.4
6. Provide an approved automatic fire sprinkler system as set forth by Building Code 903 and Fire Code 903. Plans shall be submitted to the Sprinkler Plan Check Unit for review and approval prior to installation. Reason: Residential code and Fire Code 903.1 and fire flow reduction. Type of sprinkler system: 903.1.1, 903.1.2, 903.3.1.3
7. Egress doors shall be readily openable from the egress side without the use of a key or any special knowledge or effort. Building Code 1008.1.8.
   See architectural plans for door schedule.
8. Clearance of brush and vegetative growth shall be maintained per Fire Code 325
9. Walls and soffits within enclosed usable spaces under enclosed and unenclosed stairways shall be protected by 1-hour fire-resistance-rated construction or the fire-resistance rating of the stairway enclosure, whichever is greater. Building Code 1009.5.3.
   See architectural floor plans and details.
10. Eaves and soffits shall meet on of the following:
    a. Noncombustible construction on the exposed underside OR
    b. Protected by ignition-resistant materials OR
    c. Meet the requirements of SFM 12-7A-3 (Fire Code 4710.2.3)
11. Roof valley flashings shall be not less than 0.019-inch (0.48 mm) No. 26 gage galvanized sheet corrosion-resistant metal installed over not less than one layer of minimum 72 pound (32.4 kg) mineral-surfaced non-perforated cap sheet complying with ASTM D3909, at least 36-inch wide (914mm) running the full length of the valley. R337.5.3 Building Code 705A.2.
    See architectural roof plans.
12. Roof and attic vents shall resist the intrusion of flame and embers into the attic area of the structure. Vent openings shall be protected by corrosion-resistant, noncombustible wire mesh with 1/4-inch openings. Vents shall NOT be installed in eaves or cornices. (Fire Code 4710.2.1 & 4710.2.2)
    See architectural roof plan and exterior elevations.
13. Exterior windows, window walls, glazed doors, and glazed openings within exterior doors shall meet one of the following:
    a. Mulit-pane glazing units with a minimum of one tempered pane OR
    b. Glass block units OR
    c. Have a fire-resitsance rating of not less than 20 minutes, when tested according to ASTM E 2010 OR
    d. Meet the performance standards of SFM 12-7A-2 (Fire Code 4715.2.2)
    See architectural window/door schedule and/or architectural floor plans.
14. Decking, surfaces, stair treads, risers, and landing of decks, porches, and balconies where any portion of such surface is within 10 feet of the primary structure shall comply with one of the following:
    a. Ignition resistant material AND meet SFM 12-7A-4 parts A and B OR
    b. Approved noncombustible construction OR
    c. Heavy timber construction OR
    d. Exterior fire retardant treated wood construction (Fire Code 4716.1.1)
    See architectural plans and details.
15. Exterior door assemblies shall meet one of the following:
    a. Approved noncombustible construction OR
    b. Solid core wood having stiles and rails not less than 1-3/8-inch thick with interior panel thickness not less than 1-1/4-inch thick OR
    c. Minimum 20 minute fire resistance rating when tested according to ASTM E 2074 OR
    d. Conform to performance standard SFM 12-7A-1(Fire Code 4715.2.3)
    See architectural window/door schedule and/or architectural floor plans.
16. Single or multiple station smoke alarms shall be installed in the locations described in Building Code 907.2.10.1.1 and 907.2.10.1.2. Smoke alarms shall receive their primary power from the building wiring where such wiring is served from a commercial source and shall be equipped with a battery backup. Where more than one smoke alarm is required to be installed within an individual dwelling unit, the smoke alarms shall be interconnected in such a manner that the activation of one alarm will activate all of the alarms in the individual unit. Building Code 907.2.10.2 and 907.2.10.3.
    See architectural floor plans and notes.
17. The gradient of fire department vehicle access roads shall not exceed 15 percent unless approved by the fire code official. Fire code 503.2.7
18. All fire hydrants shall measure 6"X4"X2.5", 8"X8"X6", brass or bronze, conforming to American Water Works Association Standard C503, or approved equal, and shall be installed in compliance with the County of Los Angeles Fire Department Regulation 8. Fire code 507.5 and Regulation 8.
19. Plans showing underground piping, fire department connection, or private on-site fire hydrant shall be submitted to the sprinkler plan check unit to review and approval prior to installation. Fire code 901.2 County of Los Angeles Fire Department Regulation 7.
20. Roof gutters shall be provided with a means to prevent the accumulation of leaves and debris in the gutter. (Residential Code R327.534 and building code 750A.4)
21. Single and multiple-station carbon monoxide alarms shall be listed as complying with the requirement of UL 2034. Carbon monoxide detectors shall be listed as complying with the requirements of UL 2075. Carbon monoxide alarms required by (Sections R315.1 and R315.2) or (Section 420.4.1 and 420.4.2) shall be installed in the following locations:
    1. Outside of each separate dwelling unit sleeping area in the immediate vicinity of bedroom(s).
    2. On every Level of a dwelling unit including basements.
    3. For R-1 only.
    a. On the ceiling of sleeping units with permanently installed fuel-burning appliances . Residential code R315.3, Building code 420.4.3
22. The required fire flow for a single private fire hydrant at this location is TBD gpm, at 20 psi residual pressure, for a duration of 2 hours over and above maximum daily domestic demand. Fire Code 106.1.
    The required fire flow is based on the flowing calculation:

Type of construction per the Building Code	Type II-B Yes_X_ No___
Fire flow based on the fire flow calculation area	TBD
Size of lot (acres)	10.94 acres
Reduction for fire sprinklers (Maximum 50%)	TBD
Total fire flow required:	TBD

23. Fire apparatus access roads must be identified with approved signs. temporary signs shall be installed at each street intersection when construction of new roadways allows passage by vehicles. Signs shall be of an approved size, weather resistant and be maintained unitl replaced by permanent signs. Fire code 505.2
24. Provide approved signs or other approved notices or markings that include the words NO PARKING-FIRE LANE. Signs shall have a minimum dimension of 12 inches wide by 18 inches high and have red letterson a white reflective background. Signs shall be provided for fire apparatus roads, to clearly indicate the entrance to such road, or prohibit the obstruction thereof and at intervals, as required by the Fire Inspector. Fire Code 503.3.
25. When security gates are provided, maintain a minimum access width of 26 feet. The security gate shall be provided with an approved means of emergency operation, and shall be maintained operational at all times and replaced or repaired when defective. Electric gate operators, where provided, shall be listed in accordance with UL 325. Gates intended for automatic operation shall be designed, constructed and installed to comply with the requirements of ASTM F220. Gates shall be of the swinging or sliding type. Construction of gates shall be of materials that allow manual operation by one person. Fire Code 503.6.

NORTH

0 15 30 60

GRAPHIC SCALE: 1" = 30'
@ 30x42

FOR CONCEPTUAL APPROVAL ONLY

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PLAN REVISION DESCRIPTIONS

PREPARED BY OR UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER WILLIAM C. CUNNINGHAM No. 80129 Exp. 09/30/24 CIVIL STATE OF CALIFORNIA

PRELIMINARY

SIGNATURE: DATE:

ADDRESS:
CALABASAS KIA
24460 CALABASAS ROAD,
CALABASAS CA, 91302

SHEET TITLE:
FIRE ACCESS EXHIBIT

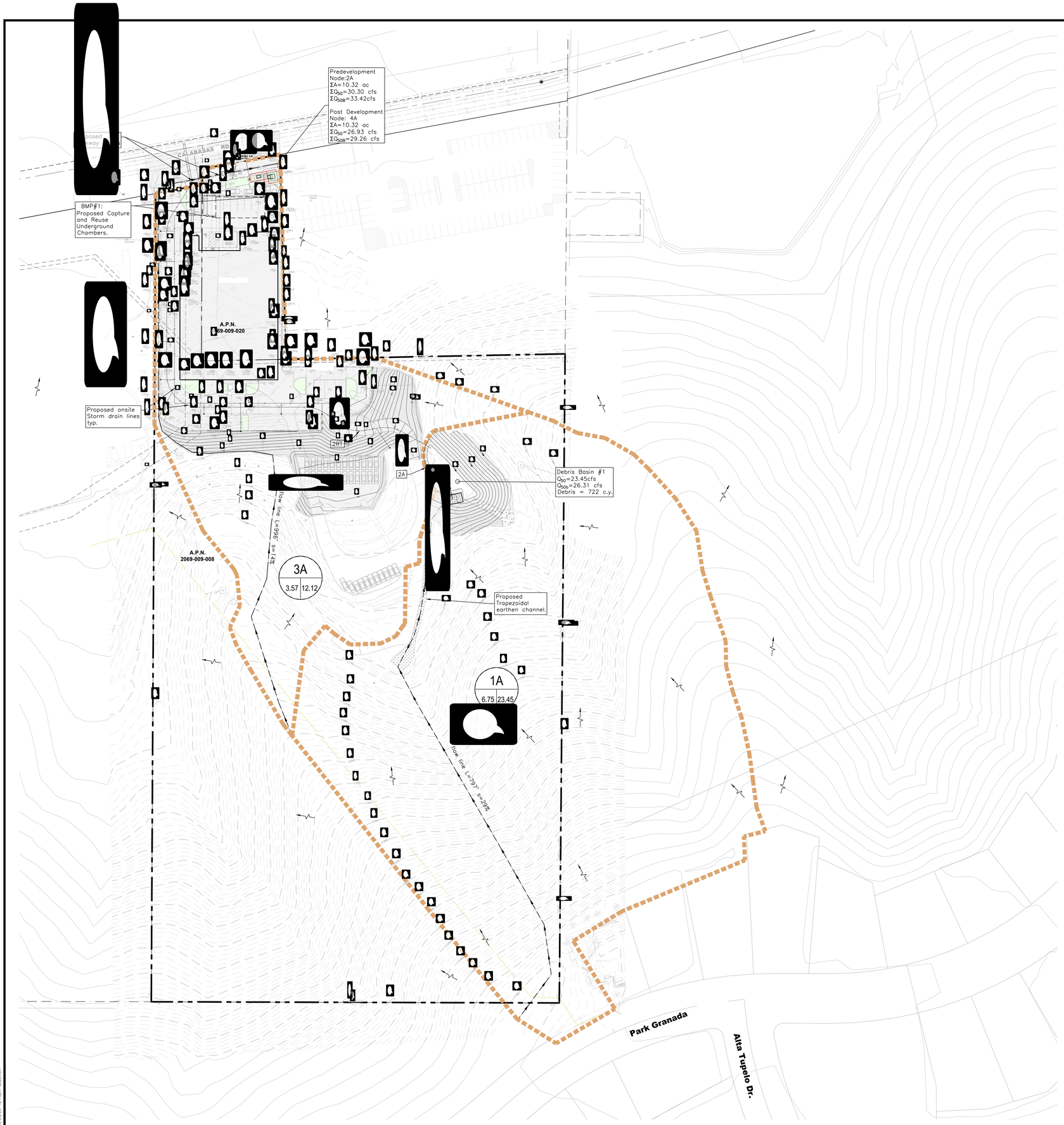
SHEET NO.
7

OF 7 CIVIL SHEETS

DATE: 2023-04-05

Exhibit 4:

Proposed Conditions Hydrology Map



LEGEND

- SUBAREA
- Q50 (CFS)
- AREA (ACRES)
- DRAINAGE BOUNDARY
- FLOW PATH
- FLOW ARROW
- OVERLAND FLOW ARROW

Hydrology Proposed Conditions

Sub Area	1A	3A**
Area (Sf)	294,158	155,332
Area (Arces)	6.75	3.57
Flowpath (ft)	797	996
Slope	0.29	0.14
% Impervious *	0.01	0.50
50 yr Rain Fall (in)	7.35	7.35
Soil Type	4	4
Debris Zone	4.00	4.00
Soil Type	4	4
Tc (min) - 50yr	5	6
Q (cfs) - 50yr	23.5	12.1
Qb (cfs) - 50yr	26.1	12.1
V (cf) - 50yr	39,058	52,215

* *Developed Area- Not Subject to Debris Production

Bulk Flow Rate

Subarea Description	1A	3A**	Total
DPA Zone	4	4	-
Q50 (cfs)	23.5	12.1	-
Q50b (cfs)	26.1	12.1	-
Bulk Factor, BF	1.670 *	1.670 *	-
Ai (ac)	6.75	3.57	-
Au (ac)	6.42	0.00	-
Ad (ac)	0.33	3.57	-
QBB (cfs)	26.1	12.1	***38.26***

* Sedimentation Manual - Appendix B- Peak Bulking Factor Curves.
** Developed Area- Not Subject to Burn and Bulk.

Debris Production

Subarea	1A	3A**	Total
DPA Zone	4	4	-
Debris Production (cy/mi2)	72000 *	72000 *	-
DPR (cy/ac)	112.50	112.50	75.00
A (ac)	6.42	1.28	7.70
DP (cy)	***722***	***144***	***866***

*Sedimentation Manual - Appendix B: Debris Production Rate Curves
**Developed Area- Not Subject to Debris Production

NORTH

0 25 50 100

GRAPHIC SCALE: 1" = 50'
@ 30x42

Prepared By:

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PLAN REVISION DESCRIPTIONS

PREPARED BY OR UNDER THE DIRECTION OF:

PRELIMINARY
No. 80129
09/30/23
CIVIL
OF CALIFORNIA

SIGNATURE: DATE:

ADDRESS:

CALABASAS KIA
24460 CALABASAS ROAD,
CALABASAS CA, 91302

SHEET TITLE:

HYDROLOGY PROPOSED CONDITIONS MAP

SHEET NO.

1

OF 1 CIVIL SHEETS

DATE: 2023-04-05

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D:\22-231 - Hack Auto Group re Calabasas Kia\2D\0-MAP\DWG\22-1015-2DO-PHYM-01.dwg
01/20/2023 - Yana Nadeau

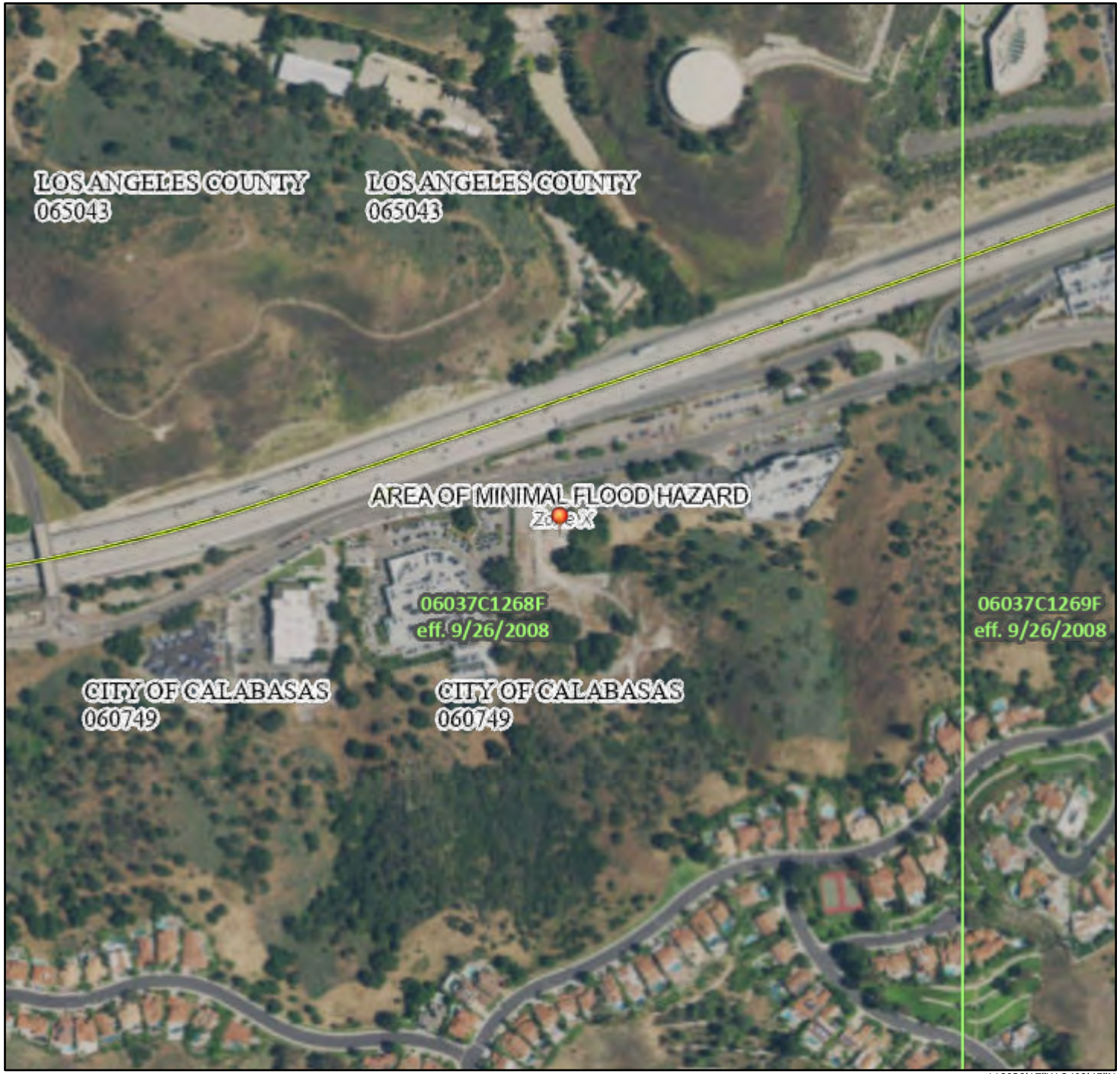
Appendix A:

FEMA Flood Insurance Rate Map

National Flood Hazard Layer FIRMette

FEMA

118°39'55"W 34°9'14"N



118°39'17"W 34°8'45"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

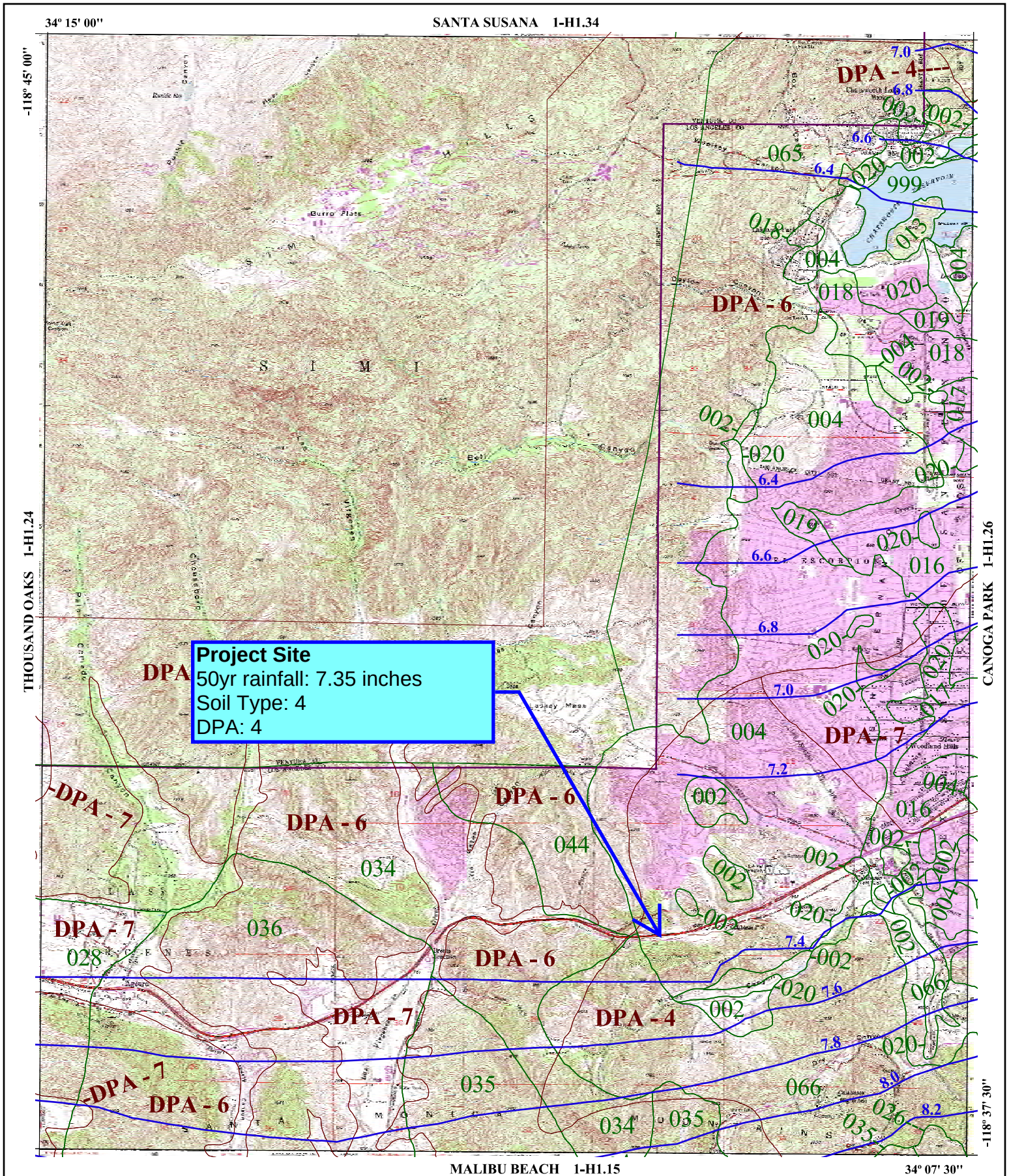
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/10/2023 at 10:37 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Appendix B:

Rainfall & Soil Maps



N
W E
S

016 SOIL CLASSIFICATION AREA

7.2 INCHES OF RAINFALL

DPA - 6 DEBRIS POTENTIAL AREA

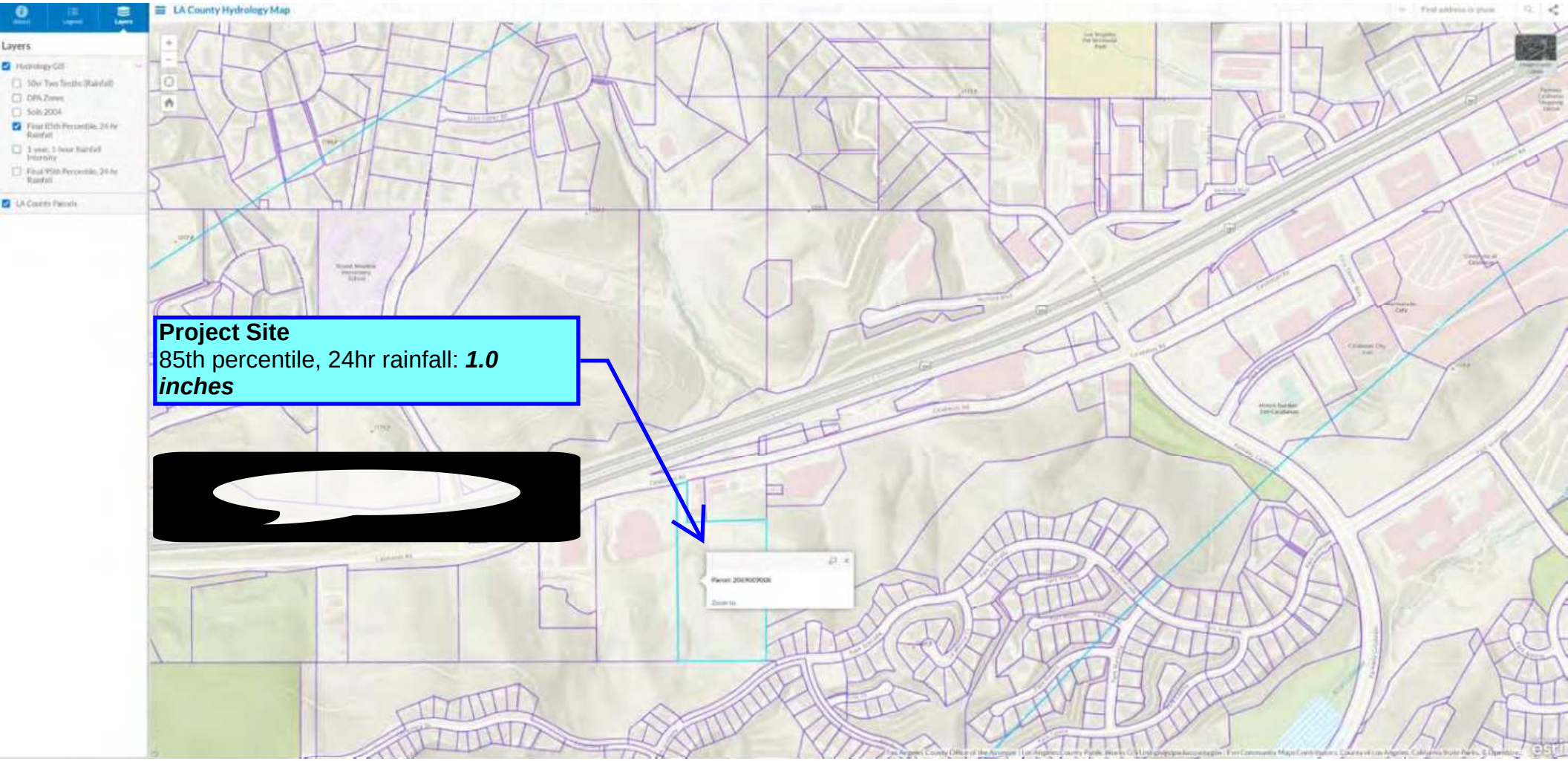
1 0 1 2 Miles

25-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.878
10-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.714

CALABASAS
50-YEAR 24-HOUR ISOHYET

1-H1.25

LOS ANGELES COUNTY PUBLIC WORKS
Public Service That Works


LA County Hydrology Map
Layers
Project Site
85th percentile, 24hr rainfall: 1.0 inches

Appendix C:

Existing Peak Runoff Calculations

Existing Conditions Hydrology

Sub Area	1A	Total	
Area (Sf)	449519	449519.00	
Area (Acres)	10.320	10.32	
Flowpath (ft)	1313	-	
Elevation @ start of Flowpath	1362	-	
Elevation @ end of Flowpath	1078	-	
Slope	0.22	-	
% Impervious	0.158	-	
50 yr Rain Fall (in)	7.35	-	
25 yr Rain Fall (in)	6.45	-	
10 yr Rain Fall (in)	5.25	-	
5 yr Rain Fall (in)	4.29	-	
2 yr Rain Fall (in)	2.84	-	
85th precentile	1		
Soil Type	4	-	
Debris Zone	4	-	
Peak Intensity (in/hr)	3.7438	-	
Undeveloped Runoff Coefficient (Cu)-50yr	0.7668	-	
Developed Runoff Coefficient (Cd)-50 yr	0.7879	-	
Time of Concentration 50yr (min)	7	Unrouted	WMS Routed
HYDROCALC- Clear Peak Flow Rate (cfs) -50yr	30.44	30.44	-
WMS- Clear Peak Flow Rate (cfs) -50yr	**30.30**	**30.30**	30.30
HYDROCALC-Burned Peak Flow Rate (cfs) -50yr	33.22	33.22	-
WMS-Burned Peak Flow Rate (cfs) -50yr	**33.42**	**33.42**	33.42
24-Hr Clear Runoff Volume (cf)- 50yr	87340	87340.05	
Peak Intensity (in/hr)	3.0871	-	
Undeveloped Runoff Coefficient (Cu)-25yr	0.7385	-	
Developed Runoff Coefficient (Cd)-25yr	0.764	-	
Time of Concentration 25yr (min)*	8	-	
HYDROCALC- Clear Peak Flow Rate (cfs) -25yr	24.34	24.34	-
WMS- Clear Peak Flow Rate (cfs) -25yr	**24.24**	**24.24**	24.2
HYDROCALC-Burned Peak Flow Rate (cfs) -25yr	26.81	26.81	-
WMS-Burned Peak Flow Rate (cfs) -25yr	**27.06**	**27.06**	27.1
24-Hr Clear Runoff Volume (cf)- 25yr	73561	73560.56	
Peak Intensity (in/hr)	2.753	-	
Undeveloped Runoff Coefficient (Cu)-10 yr	0.6977	-	
Developed Runoff Coefficient (Cd)-10 yr	0.7297	-	
Time of Concentration 10yr (min)	9	-	
HYDROCALC-Clear Peak Flow Rate (cfs) -10yr	17.89	17.89	-
WMS-Clear Peak Flow Rate (cfs) -10yr	**17.86**	**17.86**	17.86
HYDROCALC-Burned Peak Flow Rate (cfs) -10yr	19.98	19.98	-
WMS-Burned Peak Flow Rate (cfs) -10yr	**20.28**	**20.28**	20.3
24-Hr Clear Runoff Volume (cf)- 10yr	56492	56492	
Peak Intensity (in/hr)	1.7679	-	
Undeveloped Runoff Coefficient (Cu)-5yr	0.6374	-	
Developed Runoff Coefficient (Cd)-5 yr	0.6789	-	
Time of Concentration 5yr (min)	11	-	
HYDROCALC-Clear Peak Flow Rate (cfs) -5yr	12.39	12.39	-
WMS-Clear Peak Flow Rate (cfs) -5yr	**12.36**	**12.36**	12.36
HYDROCALC-Burned Peak Flow Rate (cfs) -5yr	14.14	14.14	-
WMS-Burned Peak Flow Rate (cfs) -5yr	**14.40**	**14.40**	14.4
24-Hr Clear Runoff Volume (cf)- 5yr	44043	44043.42	
Peak Intensity (in/hr)	0.9548	-	
Undeveloped Runoff Coefficient (Cu)-2yr	0.4773	-	
Developed Runoff Coefficient (Cd)-2 yr	0.5441	-	
Time of Concentration 2yr (min)	17	-	
HYDROCALC-Clear Peak Flow Rate (cfs) -2yr	5.36	5.36	-
WMS-Clear Peak Flow Rate (cfs) -2yr	**5.34**	**5.34**	5.3
HYDROCALC-Burned Peak Flow Rate (cfs) -2yr	6.55	6.55	-
WMS-Burned Peak Flow Rate (cfs) -2yr	**6.76**	**6.76**	6.8
24-Hr Clear Runoff Volume (cf)- 2yr	26965	26965	

Non - Debris producing area	
	1A
Existing Developmed Area (sf)	71110
Landscaping / Maintained Area (sf)	
Total (sf)	71110
Total (Ac)	**1.63**

LA County HydroCalc

Time of Concentration Results

Peak Flow Hydrologic Analysis

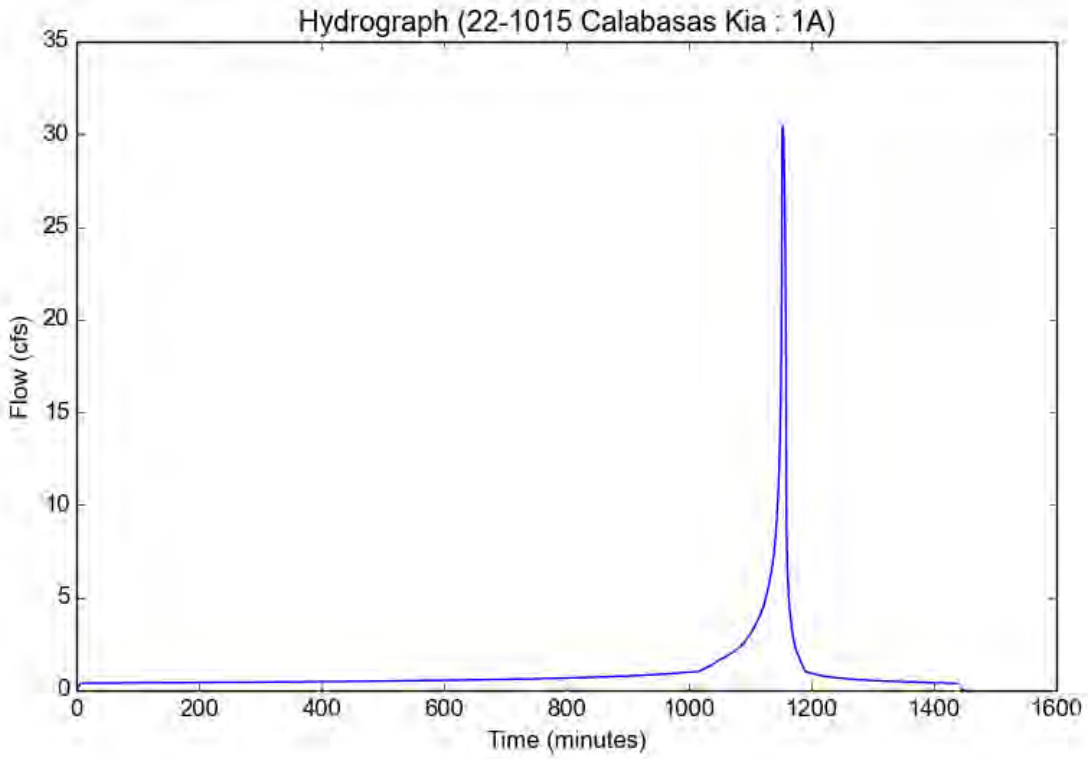
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Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	1A
Area (ac)	10.32
Flow Path Length (ft)	1313.0
Flow Path Slope (vft/hft)	0.22
50-yr Rainfall Depth (in)	7.35
Percent Impervious	0.158
Soil Type	4
Design Storm Frequency	50-yr
Fire Factor	0.83
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	7.35
Peak Intensity (in/hr)	3.7438
Undeveloped Runoff Coefficient (Cu)	0.7668
Developed Runoff Coefficient (Cd)	0.7879
Time of Concentration (min)	
Clear Peak Flow Rate (cfs)	30.44
Burned Peak Flow Rate (cfs)	33.2174
24-Hr Clear Runoff Volume (ac-ft)	2.0051
24-Hr Clear Runoff Volume (cu-ft)	87340.4638



Peak Flow Hydrologic Analysis

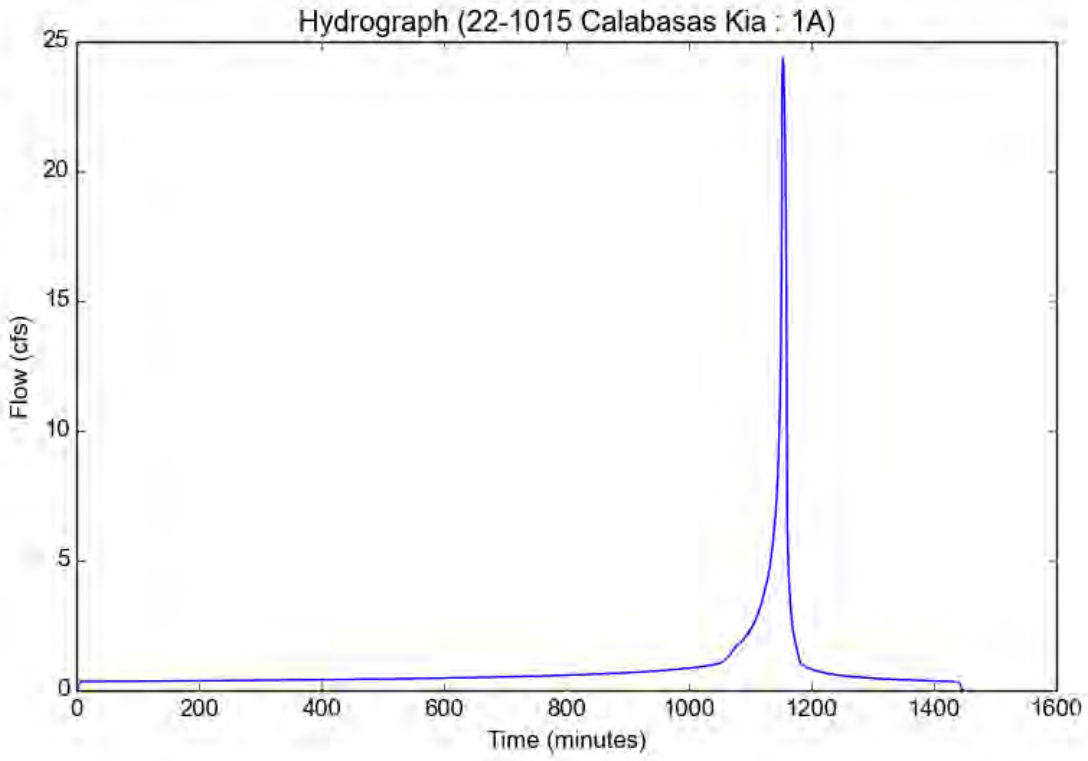
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Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	1A
Area (ac)	10.32
Flow Path Length (ft)	1313.0
Flow Path Slope (vft/hft)	0.22
50-yr Rainfall Depth (in)	7.35
Percent Impervious	0.158
Soil Type	4
Design Storm Frequency	25-yr
Fire Factor	0.83
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	6.4533
Peak Intensity (in/hr)	3.0871
Undeveloped Runoff Coefficient (Cu)	0.7385
Developed Runoff Coefficient (Cd)	0.764
Time of Concentration (min)	
Clear Peak Flow Rate (cfs)	24.3406
Burned Peak Flow Rate (cfs)	26.8149
24-Hr Clear Runoff Volume (ac-ft)	1.6887
24-Hr Clear Runoff Volume (cu-ft)	73560.564



Peak Flow Hydrologic Analysis

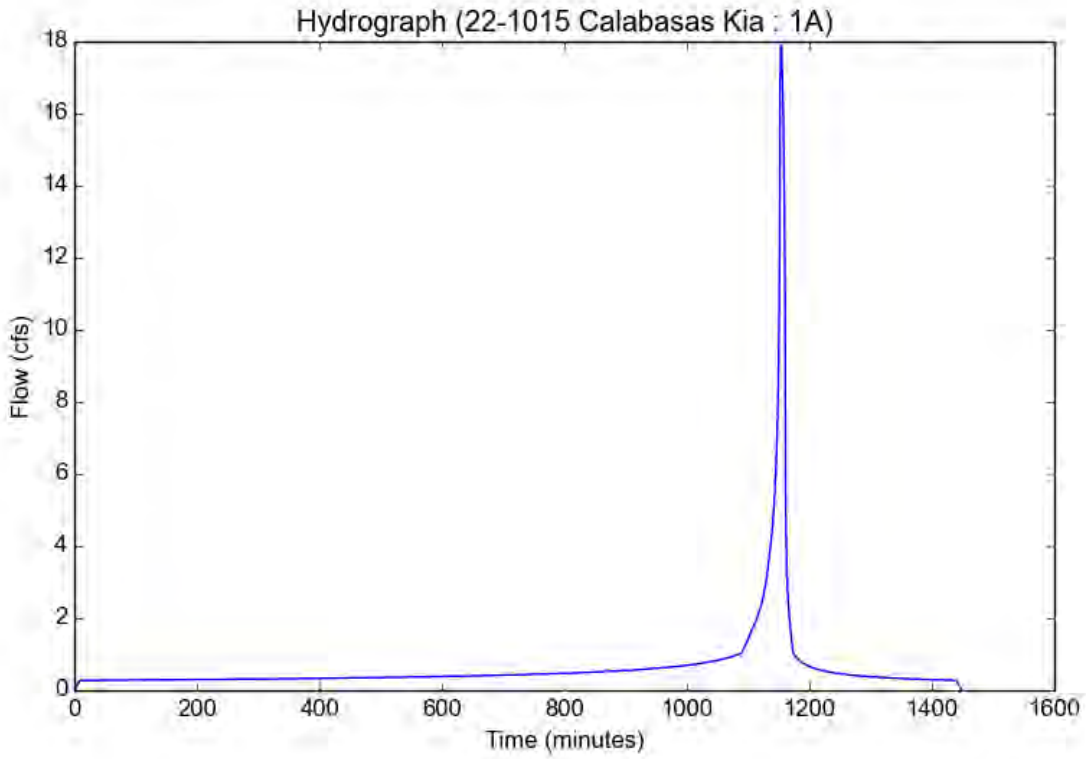
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Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	1A
Area (ac)	10.32
Flow Path Length (ft)	1313.0
Flow Path Slope (vft/hft)	0.22
50-yr Rainfall Depth (in)	7.35
Percent Impervious	0.158
Soil Type	4
Design Storm Frequency	10-yr
Fire Factor	0.83
LID	False

Output Results

Modeled (10-yr) Rainfall Depth (in)	5.2479
Peak Intensity (in/hr)	2.3753
Undeveloped Runoff Coefficient (Cu)	0.6977
Developed Runoff Coefficient (Cd)	0.7297
Time of Concentration (min)	
Clear Peak Flow Rate (cfs)	17.8862
Burned Peak Flow Rate (cfs)	19.9772
24-Hr Clear Runoff Volume (ac-ft)	1.2969
24-Hr Clear Runoff Volume (cu-ft)	56492.2844



Peak Flow Hydrologic Analysis

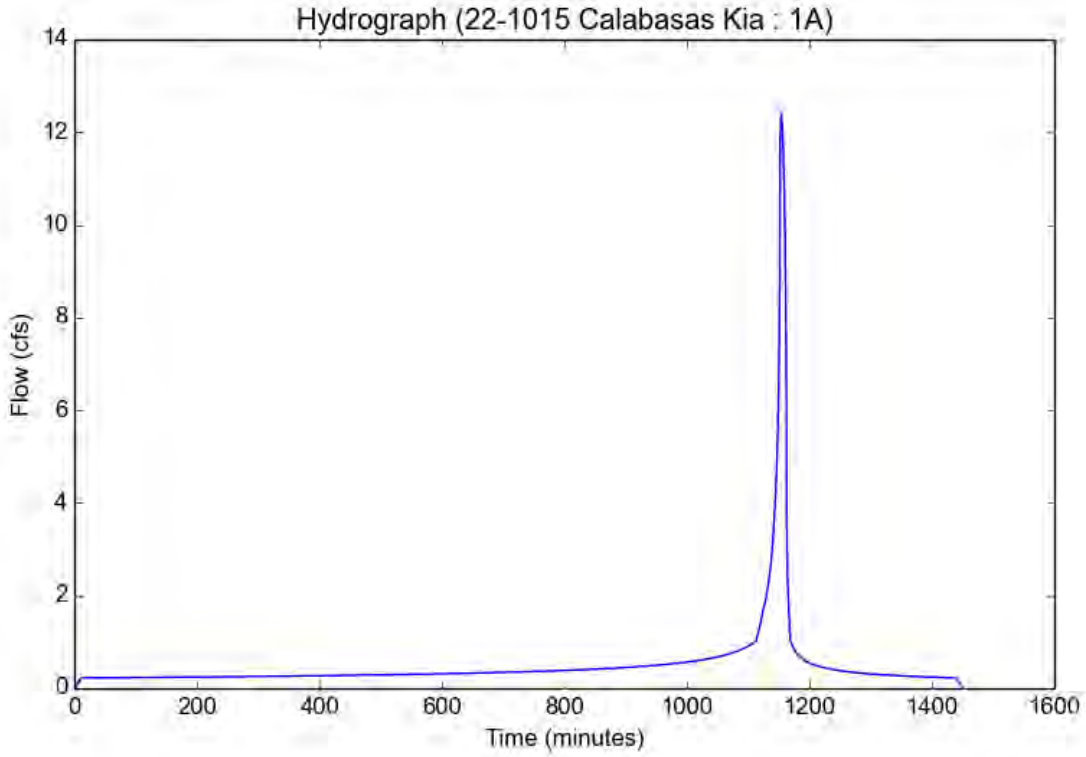
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Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	1A
Area (ac)	10.32
Flow Path Length (ft)	1313.0
Flow Path Slope (vft/hft)	0.22
50-yr Rainfall Depth (in)	7.35
Percent Impervious	0.158
Soil Type	4
Design Storm Frequency	5-yr
Fire Factor	0.83
LID	False

Output Results

Modeled (5-yr) Rainfall Depth (in)	4.2924
Peak Intensity (in/hr)	1.7679
Undeveloped Runoff Coefficient (Cu)	0.6374
Developed Runoff Coefficient (Cd)	0.6789
Time of Concentration (min)	
Clear Peak Flow Rate (cfs)	12.386
Burned Peak Flow Rate (cfs)	14.1426
24-Hr Clear Runoff Volume (ac-ft)	1.0111
24-Hr Clear Runoff Volume (cu-ft)	44043.4192



Peak Flow Hydrologic Analysis

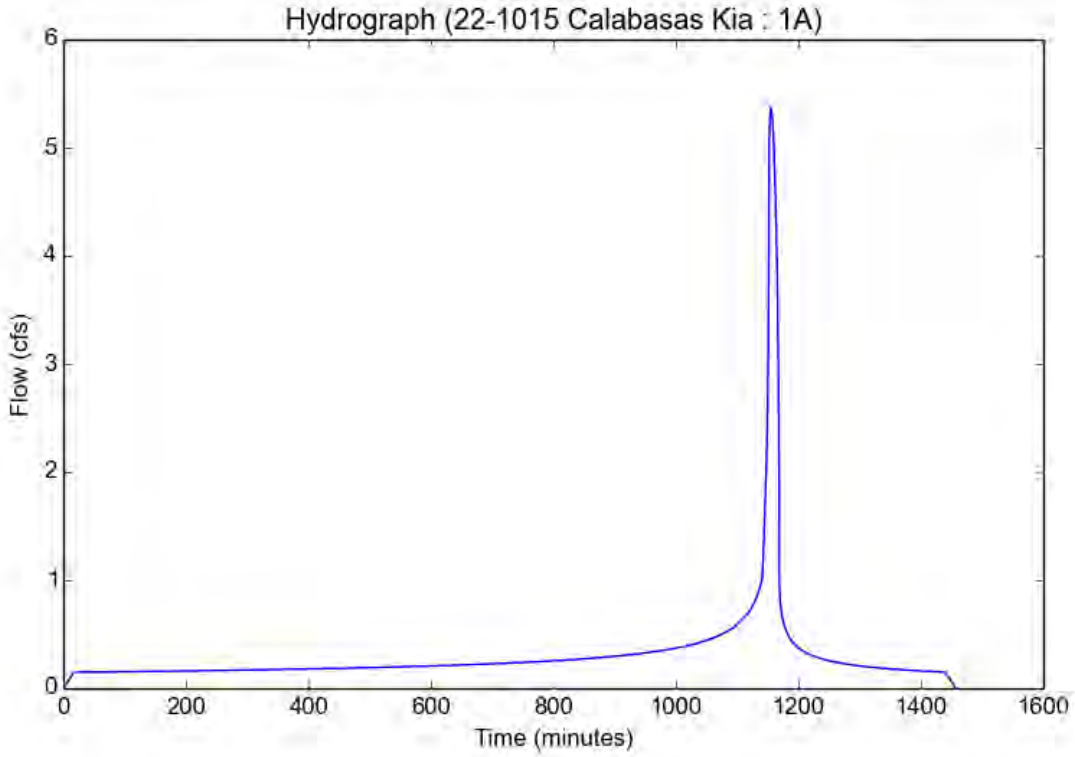
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Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	1A
Area (ac)	10.32
Flow Path Length (ft)	1313.0
Flow Path Slope (vft/hft)	0.22
50-yr Rainfall Depth (in)	7.35
Percent Impervious	0.158
Soil Type	4
Design Storm Frequency	2-yr
Fire Factor	0.83
LID	False

Output Results

Modeled (2-yr) Rainfall Depth (in)	2.8445
Peak Intensity (in/hr)	0.9548
Undeveloped Runoff Coefficient (Cu)	0.4773
Developed Runoff Coefficient (Cd)	0.5441
Time of Concentration (min)	
Clear Peak Flow Rate (cfs)	5.3613
Burned Peak Flow Rate (cfs)	6.5537
24-Hr Clear Runoff Volume (ac-ft)	0.619
24-Hr Clear Runoff Volume (cu-ft)	26964.8464



Watershed Modeling System

(WMS v11.0)

Routed Results

File name: untitled.lac Run date: Fri Mar 10 08:01:06 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 50

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	10.3	30.30	10.3	30.30	2.006	0	0	0.00000	0.00	0.00	0	4	7	7.35	0.16
1	2A	0.0	0.00	10.3	30.30	2.006	0	0	0.00000	0.00	0.00	0	4	0	7.35	0.00

Normal End of MODRAT

Existing 50 yr Burned

File name: untitled.lac Run date: Fri Mar 10 08:03:51 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 50

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	10.3	33.42	10.3	33.42	2.555	0	0	0.00000	0.00	0.00	0	204	7	7.35	0.16
1	2A	0.0	0.00	10.3	33.42	2.555	0	0	0.00000	0.00	0.00	0	204	0	7.35	0.00

Normal End of MODRAT

File name: untitled.lac Run date: Fri Mar 10 08:05:57 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 25

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	10.3	24.24	10.3	24.24	1.689	0	0	0.00000	0.00	0.00	0	4	8	6.45	0.16
1	2A	0.0	0.00	10.3	24.24	1.689	0	0	0.00000	0.00	0.00	0	4	0	6.45	0.00

Normal End of MODRAT

Existing 25 yr Burned

File name: untitled.lac Run date: Fri Mar 10 08:07:41 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 25

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	10.3	27.06	10.3	27.06	2.135	0	0	0.00000	0.00	0.00	0	204	8	6.45	0.16
1	2A	0.0	0.00	10.3	27.06	2.135	0	0	0.00000	0.00	0.00	0	204	0	6.45	0.00

Normal End of MODRAT

Existing 10 yr

File name: untitled.lac Run date: Fri Mar 10 08:10:49 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 10

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	10.3	17.86	10.3	17.86	1.298	0	0	0.00000	0.00	0.00	0	4	9	5.25	0.16
1	2A	0.0	0.00	10.3	17.86	1.298	0	0	0.00000	0.00	0.00	0	4	0	5.25	0.00

Normal End of MODRAT

Existing 10 yr Burned

File name: untitled.lac Run date: Fri Mar 10 08:28:47 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 10

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	10.3	20.28	10.3	20.28	1.619	0	0	0.00000	0.00	0.00	0	204	9	5.25	0.16
1	2A	0.0	0.00	10.3	20.28	1.619	0	0	0.00000	0.00	0.00	0	204	0	5.25	0.00

Normal End of MODRAT

File name: untitled.lac Run date: Fri Mar 10 08:41:14 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 5

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	10.3	12.36	10.3	12.36	1.011	0	0	0.00000	0.00	0.00	0	4	11	4.29	0.16
1	2A	0.0	0.00	10.3	12.36	1.011	0	0	0.00000	0.00	0.00	0	4	0	4.29	0.00

Normal End of MODRAT

Existing 5 yr Burned

File name: untitled.lac Run date: Fri Mar 10 08:47:15 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 5

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	10.3	14.40	10.3	14.40	1.242	0	0	0.00000	0.00	0.00	0	204	11	4.29	0.16
1	2A	0.0	0.00	10.3	14.40	1.242	0	0	0.00000	0.00	0.00	0	204	0	4.29	0.00

Normal End of MODRAT

File name: untitled.lac Run date: Fri Mar 10 08:50:15 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 5

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	10.3	5.34	10.3	5.34	0.617	0	0	0.00000	0.00	0.00	0	4	17	2.84	0.16
1	2A	0.0	0.00	10.3	5.34	0.617	0	0	0.00000	0.00	0.00	0	4	0	2.84	0.00

Normal End of MODRAT

Existing 2 yr Burned

File name: untitled.lac Run date: Fri Mar 10 08:51:02 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 2

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	10.3	6.76	10.3	6.76	0.736	0	0	0.00000	0.00	0.00	0	204	17	2.84	0.16
1	2A	0.0	0.00	10.3	6.76	0.736	0	0	0.00000	0.00	0.00	0	204	0	2.84	0.00

Normal End of MODRAT

Appendix D:

Proposed Peak Runoff Calculations

Hydrology Proposed Conditions

Sub Area	1A	3A**	Total
Area (Sf)	294158	155332	449,490.6504
Area (Acres)	6.75	3.57	10.32
Flowpath (ft)	797	996	-
Elevation @ start of Flowpath	1362	1210	-
Elevation @ end of Flowpath	1130	1075	-
Slope	0.29	0.14	-
% Impervious	0.011	0.496	-
50 yr Rain Fall (in)	7.35	7.35	-
25 yr Rain Fall (in)	6.4533	6.4533	-
10 yr Rain Fall (in)	5.2479	5.2479	-
5 yr Rain Fall (in)	4.2924	4.2924	-
2 yr Rain Fall (in)	2.8445	2.8445	-
85th precentile	1	1	
Soil Type	4	4	
Debris Zone	4	4	-
Peak Intensity (in/hr)	4.3852	4.0251	-
Undeveloped Runoff Coefficient (Cu)-50yr	0.7851	0.7748	-
Developed Runoff Coefficient (Cd)-50 yr	0.7863	0.8369	**Unrouted Totals**
Time of Concentration 50yr (min)*	5	6	
HYDROCALC-Clear Peak Flow Rate (cfs) -50yr	23.28	12.03	**35.3**
WMS-Clear Peak Flow Rate (cfs) -50yr	**23.45**	**12.12**	**35.6**
HYDROCALC-Burned Peak Flow Rate (cfs) -50yr	25.47	12.83	**38.3**
WMS-Burned Peak Flow Rate (cfs) -50yr	**26.13**	**12.12**	**38.3**
HYDROCALC-24-Hr Clear Runoff Volume (cf)- 50yr	39058	52215	**91273.2**
Peak Intensity (in/hr)	3.8502	3.287	-
Undeveloped Runoff Coefficient (Cu)-25yr	0.7699	0.7489	-
Developed Runoff Coefficient (Cd)-25yr	0.7713	0.8238	-
Time of Concentration 25yr (min)*	5	7	-
HYDROCALC -Clear Peak Flow Rate (cfs) -25yr	20.04	9.67	**29.7**
WMS-Clear Peak Flow Rate (cfs) -25yr	**20.18**	**9.72**	**29.9**
HYDROCALC-Burned Peak Flow Rate (cfs) -25yr	22.07	10.35	**32.4**
WMS-Burned Peak Flow Rate (cfs) -25yr	**22.66**	**9.72**	**32.4**
24-Hr Clear Runoff Volume (cf)- 25yr	31928	45201	**31928.3**
Peak Intensity (in/hr)	2.8739	2.5105	-
Undeveloped Runoff Coefficient (Cu)-10 yr	0.7274	0.7086	-
Developed Runoff Coefficient (Cd)-10 yr	0.7293	0.8035	-
Time of Concentration 10yr (min)*	6	8	-
HYDROCALC-Clear Peak Flow Rate (cfs) -10yr	14.15	7.20	**21.4**
WMS-Clear Peak Flow Rate (cfs) -10yr	**14.24**	**7.26**	**21.5**
HYDROCALC-Burned Peak Flow Rate (cfs) -10yr	15.86	7.76	**23.6**
WMS-Burned Peak Flow Rate (cfs) -10yr	**16.35**	**7.26**	**23.6**
24-Hr Clear Runoff Volume (cf)- 10yr	23404	36070	**59474.1**
Peak Intensity (in/hr)	2.0534	1.9428	-
Undeveloped Runoff Coefficient (Cu)-5yr	0.671	0.6594	-
Developed Runoff Coefficient (Cd)-5 yr	0.6962	0.7787	-
Time of Concentration 5yr (min)*	8	9	-
HYDROCALC-Clear Peak Flow Rate (cfs) -5yr	9.65	5.40	**15.1**
WMS-Clear Peak Flow Rate (cfs) -5yr	**9.38**	**5.45**	**14.8**
HYDROCALC-Burned Peak Flow Rate (cfs) -5yr	10.95	5.87	**16.8**
WMS -Burned Peak Flow Rate (cfs) -5yr	**11.10**	**5.45**	**16.6**
24-Hr Clear Runoff Volume (cf)- 5yr	25149	29060	**54209.1**
Peak Intensity (in/hr)	1.1246	1.0831	-
Undeveloped Runoff Coefficient (Cu)-2yr	0.5218	0.5128	-
Developed Runoff Coefficient (Cd)-2 yr	0.5634	0.7048	-
Time of Concentration 2yr (min)	12	13	-
HYDROCALC-Clear Peak Flow Rate (cfs) -2yr	4.28	2.73	**7.00**
WMS-Clear Peak Flow Rate (cfs) -2yr	**4.01**	**2.75**	**6.76**
HYDROCALC-Burned Peak Flow Rate (cfs) -2yr	5.19	3.04	**8.22**
WMS-Burned Peak Flow Rate (cfs) -2yr	**5.23**	**2.75**	**7.98**
24-Hr Clear Runoff Volume (cf)- 2yr	15176	18812	**33987.9**

Per HydroCalc

****Developed Area- Not Subject to Debris Production***

WMS Routed Totals w/o Detention Total	WMS Routed w/ Detention Totals
-	-
34.43	**26.93**
-	-
37.11	**29.26**
-	
-	-
28.91	**22.9**
-	-
31.41	**24.9**
-	
-	-
20.95	**16.94**
-	-
23.020	**18.82**
-	
-	-
14.50	**12.07**
-	-
16.2	**13.61**
-	
-	-
6.57	**5.7**
-	-
7.77	**6.8**
-	

WMS Comparison Pre Vs Post

Pre 1A vs. Post SubArea 1A + 3A
-
-3.37
-
-4.16
-
-1.34
-
-2.14
-
-0.92
-
-1.46
-
-0.29
-
-0.79
-
0.36
-
0.04

Impervious and Non - Debris producing area

-	1A	3A**
Existing Development Area (sf)	3141	7670
Proposed Deveopment (sf)	0	69338
Landscaped_ Fire Modification Area (sf)	11385	22472
total Impervious Area (sf)	3,141	77,008
total impervious Area (ac)	**0.07**	**1.77**
Total non debris producing area(sf)	14526	99481
Total non debris producing area(ac)	***0.33***	***2.28***

LA County HydroCalc

Time of Concentration Results

Peak Flow Hydrologic Analysis

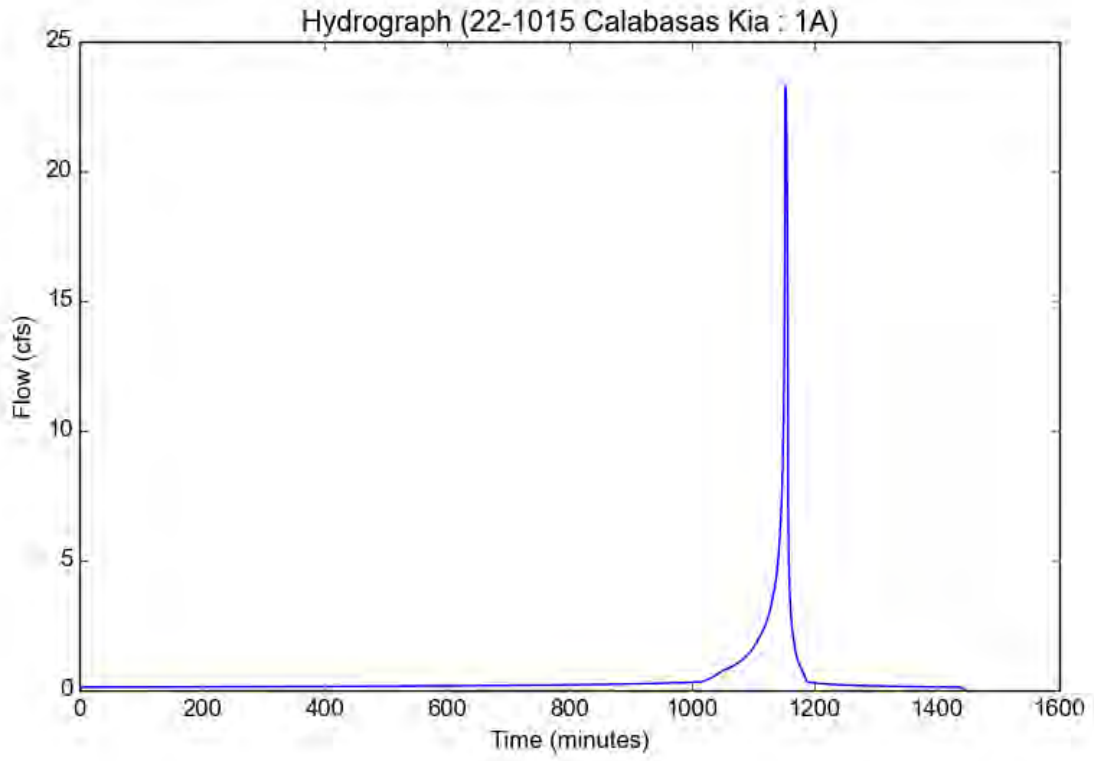
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Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	1A
Area (ac)	6.75
Flow Path Length (ft)	797.0
Flow Path Slope (vft/hft)	0.29
50-yr Rainfall Depth (in)	7.35
Percent Impervious	0.011
Soil Type	4
Design Storm Frequency	50-yr
Fire Factor	0.83
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	7.35
Peak Intensity (in/hr)	4.3852
Undeveloped Runoff Coefficient (Cu)	0.7851
Developed Runoff Coefficient (Cd)	0.7863
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	23.2752
Burned Peak Flow Rate (cfs)	25.4683
24-Hr Clear Runoff Volume (ac-ft)	0.8966
24-Hr Clear Runoff Volume (cu-ft)	39058.0134



Peak Flow Hydrologic Analysis

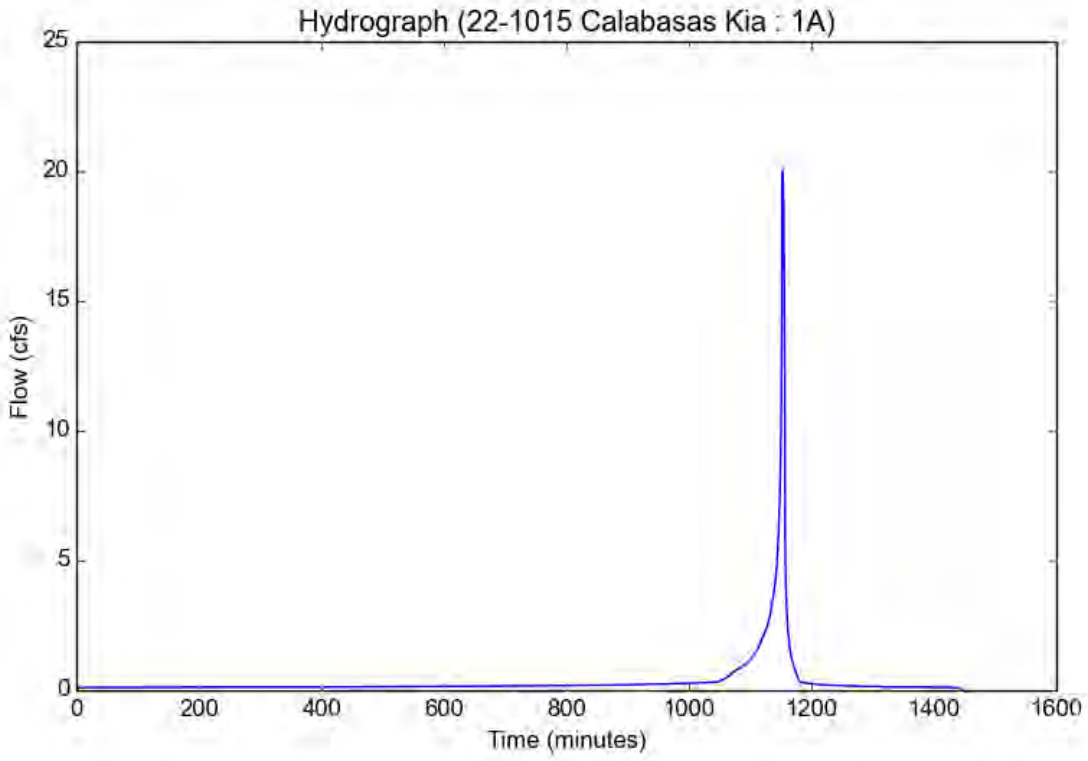
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Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	1A
Area (ac)	6.75
Flow Path Length (ft)	797.0
Flow Path Slope (vft/hft)	0.29
50-yr Rainfall Depth (in)	7.35
Percent Impervious	0.011
Soil Type	4
Design Storm Frequency	25-yr
Fire Factor	0.83
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	6.4533
Peak Intensity (in/hr)	3.8502
Undeveloped Runoff Coefficient (Cu)	0.7699
Developed Runoff Coefficient (Cd)	0.7713
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	20.0449
Burned Peak Flow Rate (cfs)	22.0675
24-Hr Clear Runoff Volume (ac-ft)	0.733
24-Hr Clear Runoff Volume (cu-ft)	31928.2682



Peak Flow Hydrologic Analysis

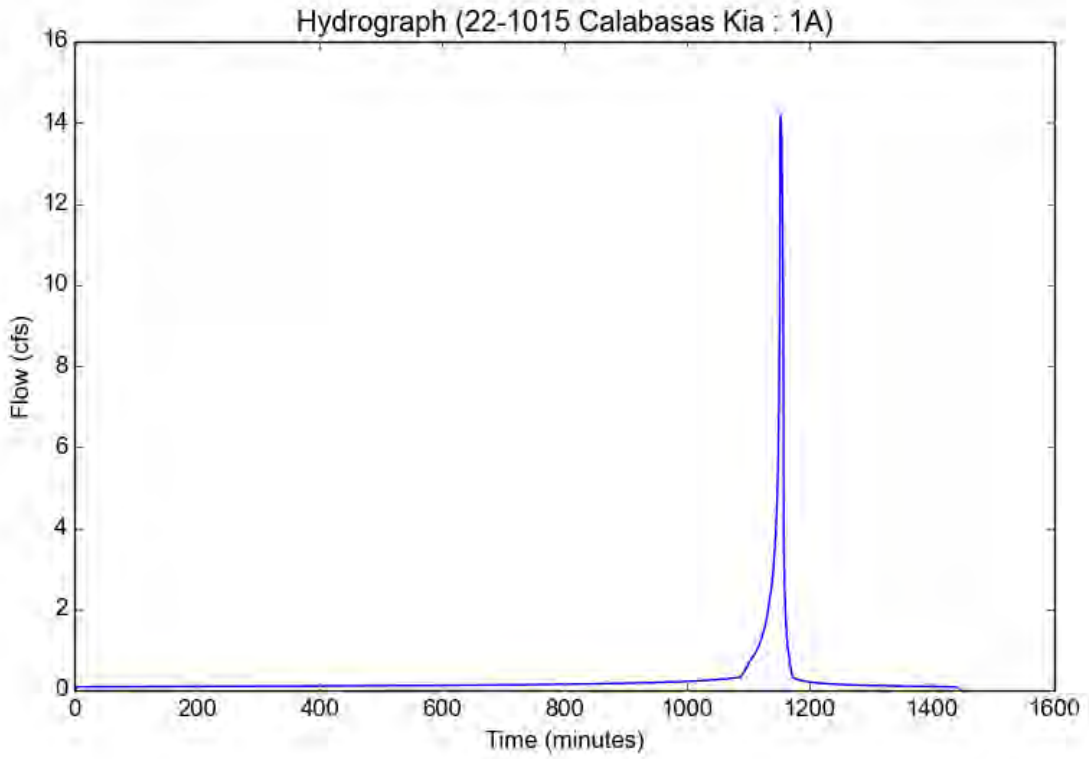
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Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	1A
Area (ac)	6.75
Flow Path Length (ft)	797.0
Flow Path Slope (vft/hft)	0.29
50-yr Rainfall Depth (in)	7.35
Percent Impervious	0.011
Soil Type	4
Design Storm Frequency	10-yr
Fire Factor	0.83
LID	False

Output Results

Modeled (10-yr) Rainfall Depth (in)	5.2479
Peak Intensity (in/hr)	2.8739
Undeveloped Runoff Coefficient (Cu)	0.7274
Developed Runoff Coefficient (Cd)	0.7293
Time of Concentration (min)	6.0
Clear Peak Flow Rate (cfs)	14.1485
Burned Peak Flow Rate (cfs)	15.8573
24-Hr Clear Runoff Volume (ac-ft)	0.5373
24-Hr Clear Runoff Volume (cu-ft)	23404.0968



Peak Flow Hydrologic Analysis

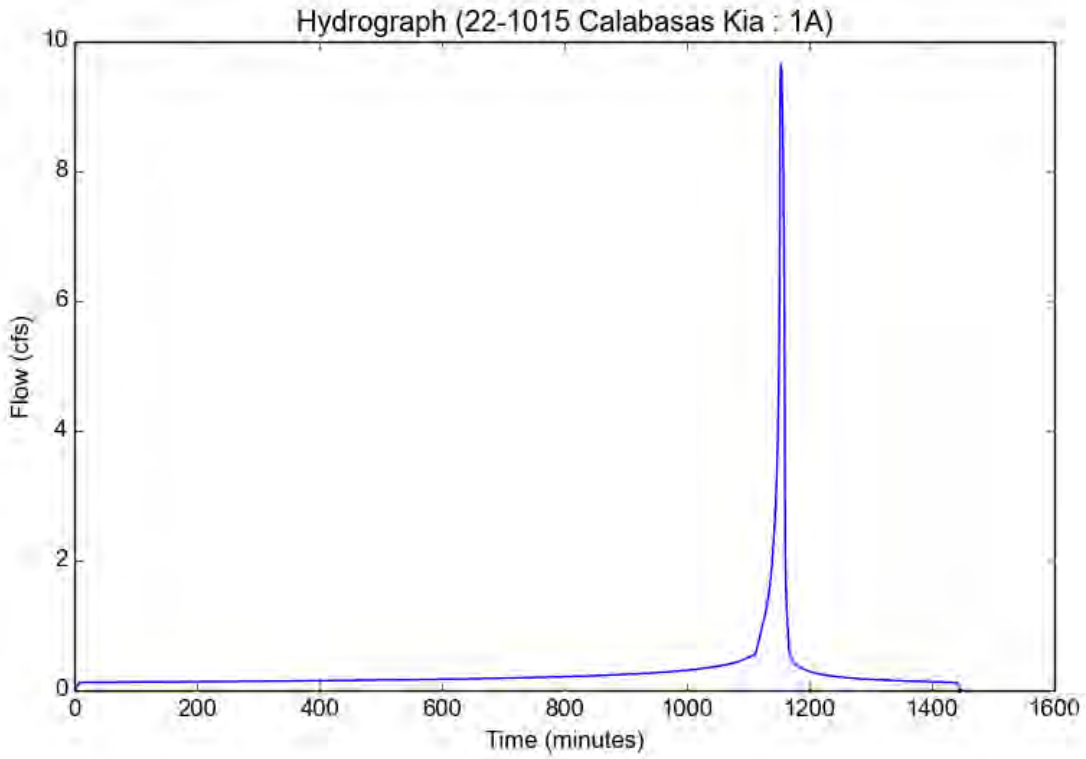
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Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	1A
Area (ac)	6.75
Flow Path Length (ft)	797.0
Flow Path Slope (vft/hft)	0.29
50-yr Rainfall Depth (in)	7.35
Percent Impervious	0.11
Soil Type	4
Design Storm Frequency	5-yr
Fire Factor	0.83
LID	False

Output Results

Modeled (5-yr) Rainfall Depth (in)	4.2924
Peak Intensity (in/hr)	2.0534
Undeveloped Runoff Coefficient (Cu)	0.671
Developed Runoff Coefficient (Cd)	0.6962
Time of Concentration (min)	8.0
Clear Peak Flow Rate (cfs)	9.6492
Burned Peak Flow Rate (cfs)	10.9456
24-Hr Clear Runoff Volume (ac-ft)	0.5773
24-Hr Clear Runoff Volume (cu-ft)	25149.0766



Peak Flow Hydrologic Analysis

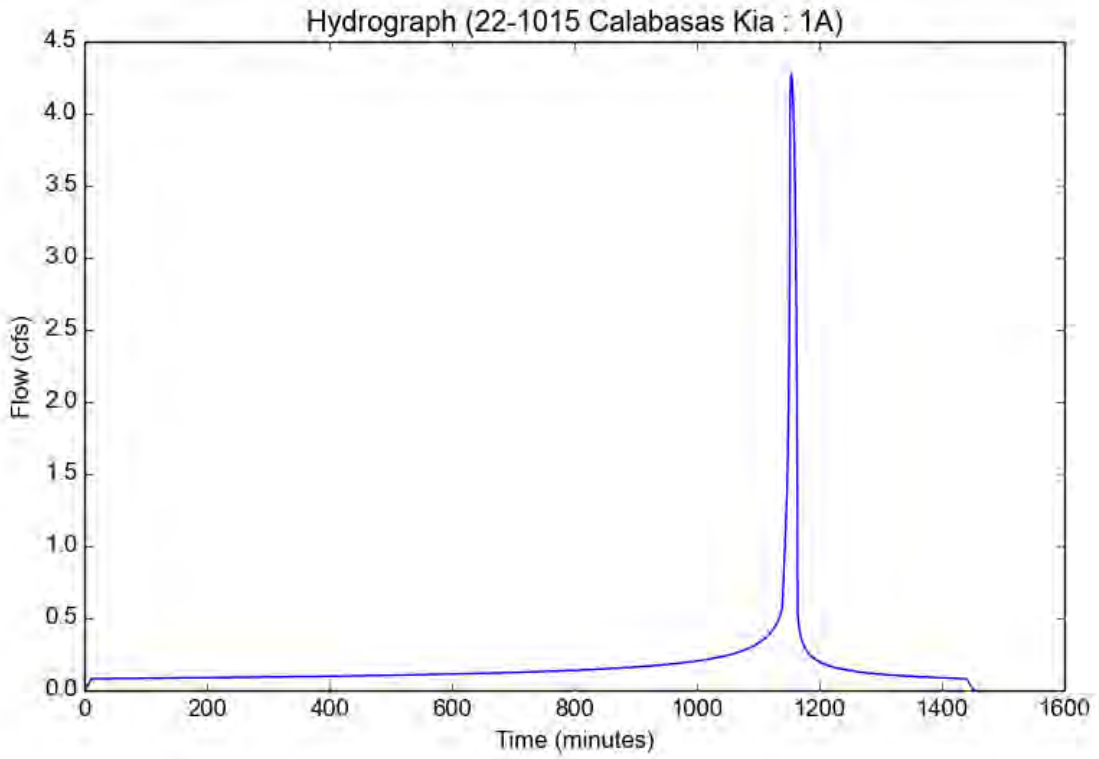
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Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	1A
Area (ac)	6.75
Flow Path Length (ft)	797.0
Flow Path Slope (vft/hft)	0.29
50-yr Rainfall Depth (in)	7.35
Percent Impervious	0.11
Soil Type	4
Design Storm Frequency	2-yr
Fire Factor	0.83
LID	False

Output Results

Modeled (2-yr) Rainfall Depth (in)	2.8445
Peak Intensity (in/hr)	1.1246
Undeveloped Runoff Coefficient (Cu)	0.5218
Developed Runoff Coefficient (Cd)	0.5634
Time of Concentration (min)	12.0
Clear Peak Flow Rate (cfs)	4.2769
Burned Peak Flow Rate (cfs)	5.1876
24-Hr Clear Runoff Volume (ac-ft)	0.3484
24-Hr Clear Runoff Volume (cu-ft)	15176.1701



Peak Flow Hydrologic Analysis

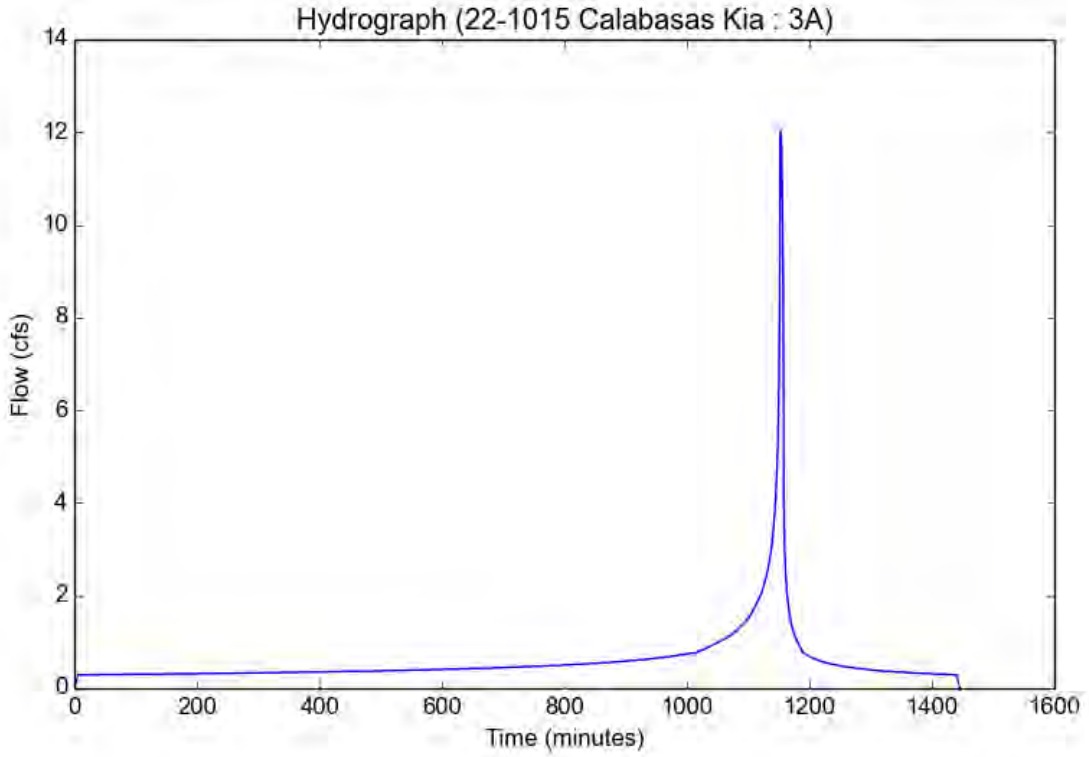
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Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	3A
Area (ac)	3.57
Flow Path Length (ft)	996.0
Flow Path Slope (vft/hft)	0.14
50-yr Rainfall Depth (in)	7.35
Percent Impervious	0.496
Soil Type	4
Design Storm Frequency	50-yr
Fire Factor	0.83
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	7.35
Peak Intensity (in/hr)	4.0251
Undeveloped Runoff Coefficient (Cu)	0.7748
Developed Runoff Coefficient (Cd)	0.8369
Time of Concentration (min)	6.0
Clear Peak Flow Rate (cfs)	12.026
Burned Peak Flow Rate (cfs)	12.8287
24-Hr Clear Runoff Volume (ac-ft)	1.1987
24-Hr Clear Runoff Volume (cu-ft)	52215.1809



Peak Flow Hydrologic Analysis

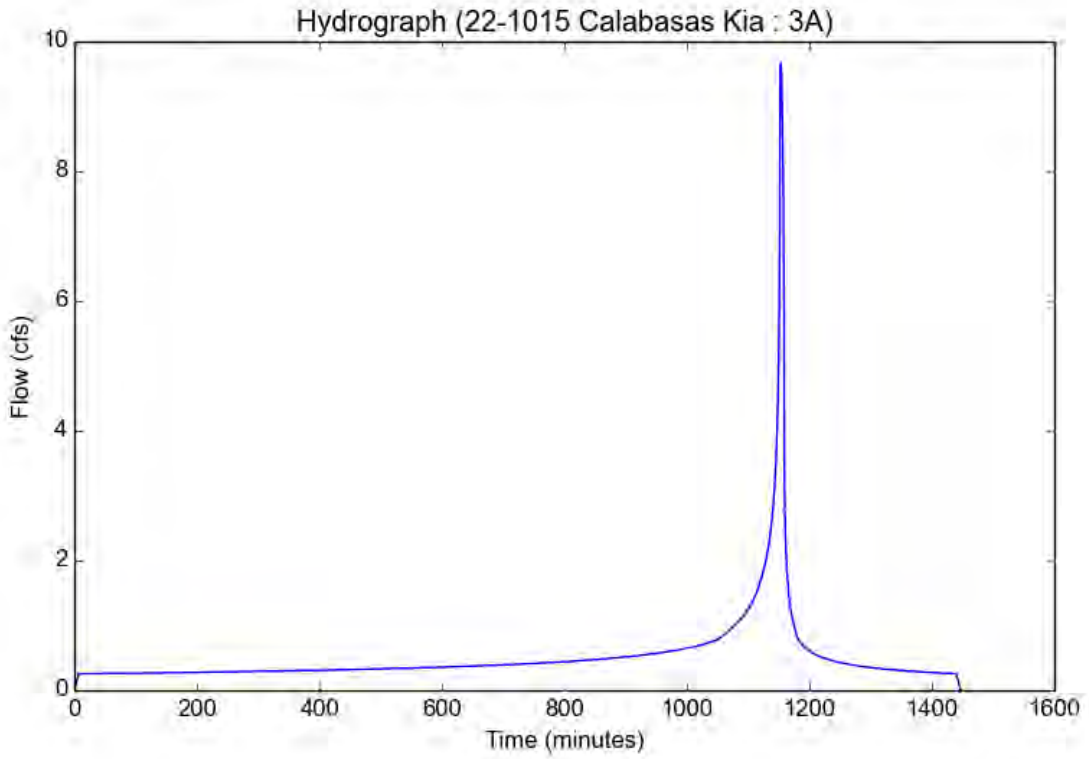
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Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	3A
Area (ac)	3.57
Flow Path Length (ft)	996.0
Flow Path Slope (vft/hft)	0.14
50-yr Rainfall Depth (in)	7.35
Percent Impervious	0.496
Soil Type	4
Design Storm Frequency	25-yr
Fire Factor	0.83
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	6.4533
Peak Intensity (in/hr)	3.287
Undeveloped Runoff Coefficient (Cu)	0.7489
Developed Runoff Coefficient (Cd)	0.8238
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	9.6674
Burned Peak Flow Rate (cfs)	10.3544
24-Hr Clear Runoff Volume (ac-ft)	1.0377
24-Hr Clear Runoff Volume (cu-ft)	45200.8473



Peak Flow Hydrologic Analysis

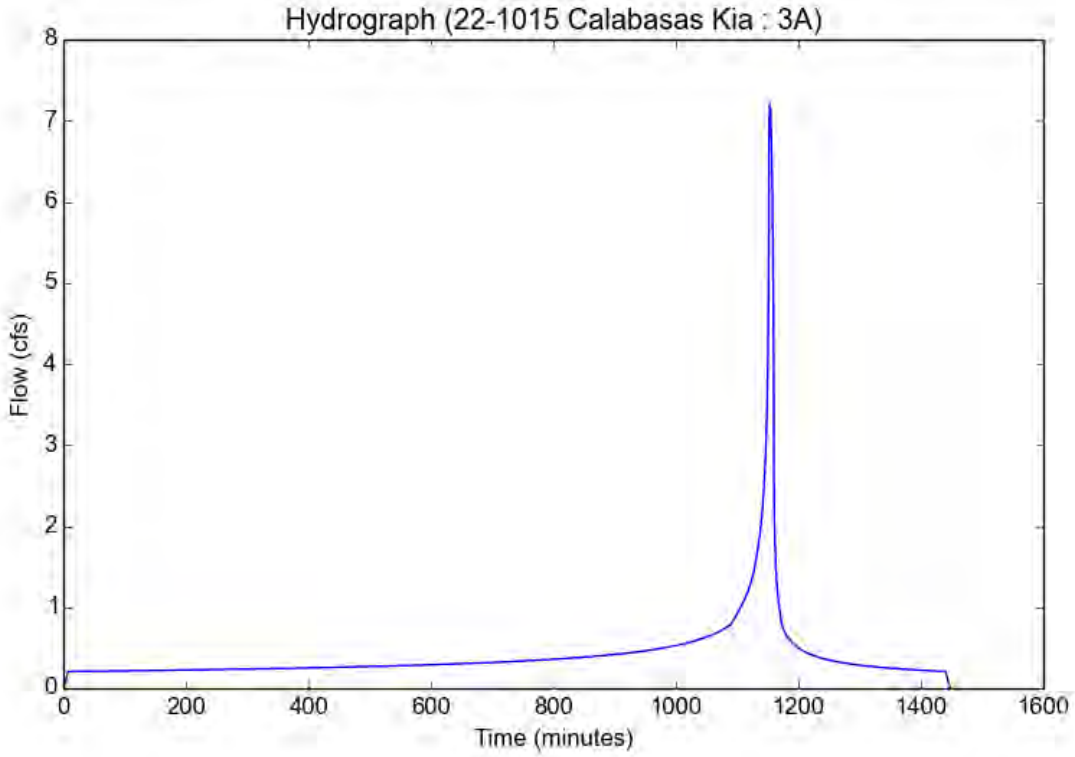
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Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	3A
Area (ac)	3.57
Flow Path Length (ft)	996.0
Flow Path Slope (vft/hft)	0.14
50-yr Rainfall Depth (in)	7.35
Percent Impervious	0.496
Soil Type	4
Design Storm Frequency	10-yr
Fire Factor	0.83
LID	False

Output Results

Modeled (10-yr) Rainfall Depth (in)	5.2479
Peak Intensity (in/hr)	2.5105
Undeveloped Runoff Coefficient (Cu)	0.7086
Developed Runoff Coefficient (Cd)	0.8035
Time of Concentration (min)	8.0
Clear Peak Flow Rate (cfs)	7.2016
Burned Peak Flow Rate (cfs)	7.7623
24-Hr Clear Runoff Volume (ac-ft)	0.8281
24-Hr Clear Runoff Volume (cu-ft)	36070.0775



Peak Flow Hydrologic Analysis

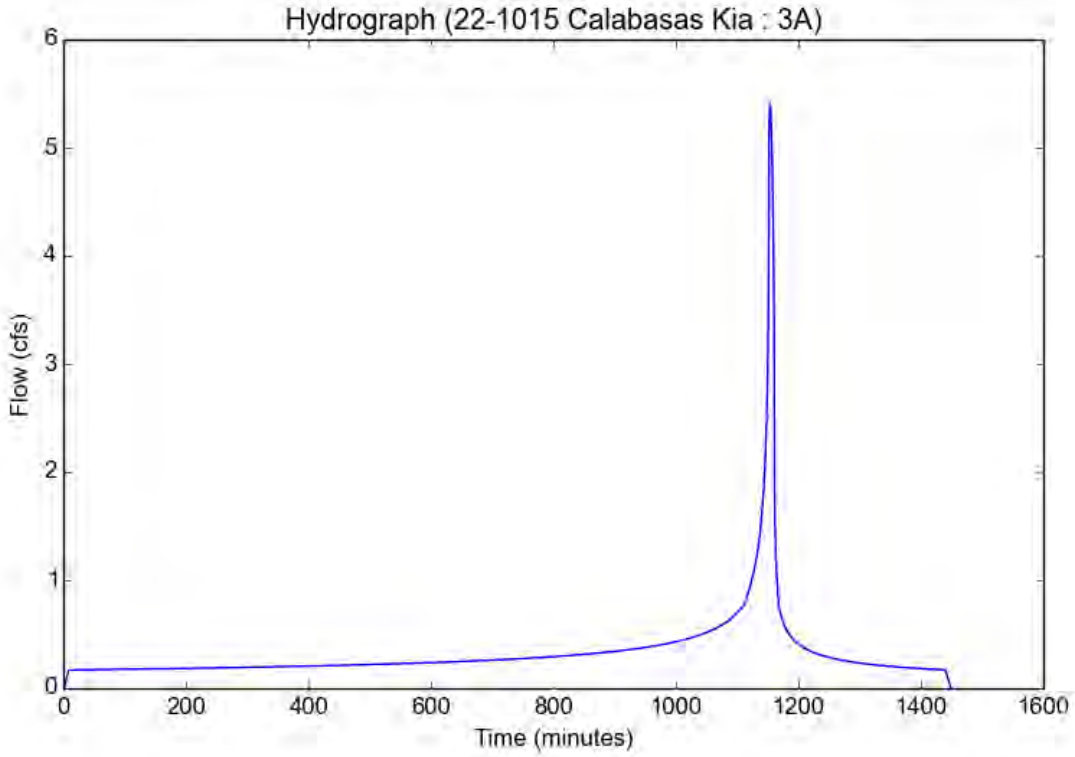
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Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	3A
Area (ac)	3.57
Flow Path Length (ft)	996.0
Flow Path Slope (vft/hft)	0.14
50-yr Rainfall Depth (in)	7.35
Percent Impervious	0.496
Soil Type	4
Design Storm Frequency	5-yr
Fire Factor	0.83
LID	False

Output Results

Modeled (5-yr) Rainfall Depth (in)	4.2924
Peak Intensity (in/hr)	1.9428
Undeveloped Runoff Coefficient (Cu)	0.6594
Developed Runoff Coefficient (Cd)	0.7787
Time of Concentration (min)	9.0
Clear Peak Flow Rate (cfs)	5.401
Burned Peak Flow Rate (cfs)	5.8689
24-Hr Clear Runoff Volume (ac-ft)	0.6671
24-Hr Clear Runoff Volume (cu-ft)	29060.0073



Peak Flow Hydrologic Analysis

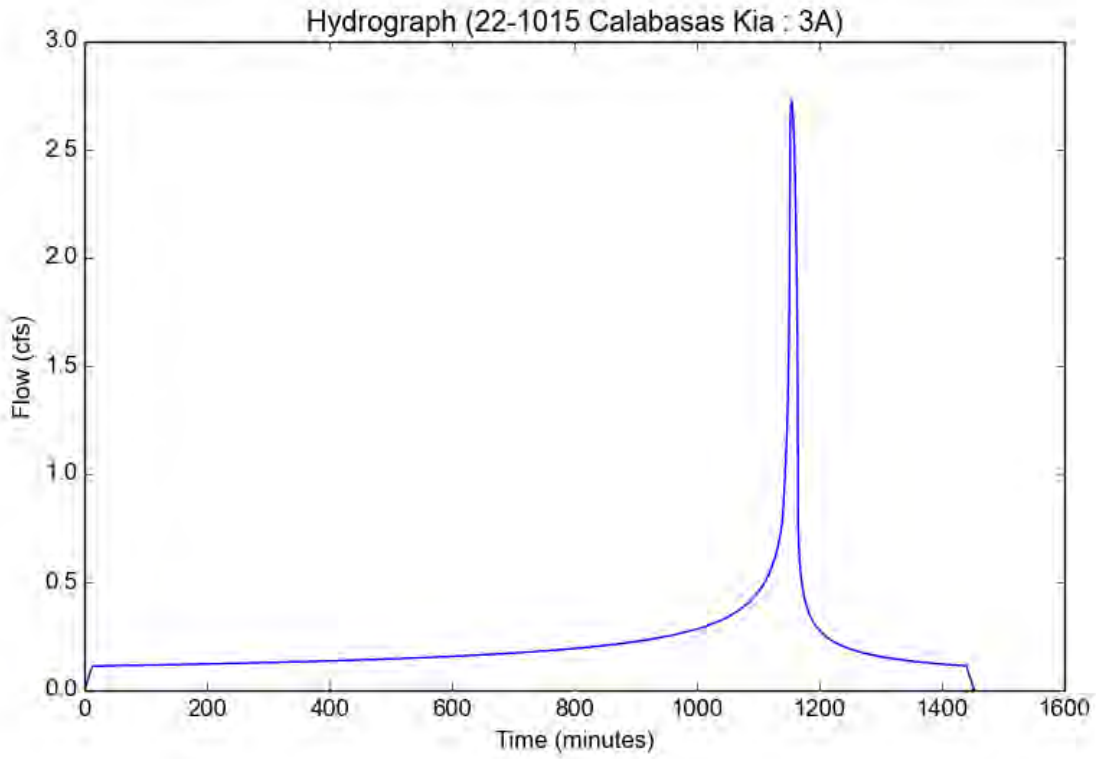
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Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	3A
Area (ac)	3.57
Flow Path Length (ft)	996.0
Flow Path Slope (vft/hft)	0.14
50-yr Rainfall Depth (in)	7.35
Percent Impervious	0.496
Soil Type	4
Design Storm Frequency	2-yr
Fire Factor	0.83
LID	False

Output Results

Modeled (2-yr) Rainfall Depth (in)	2.8445
Peak Intensity (in/hr)	1.0831
Undeveloped Runoff Coefficient (Cu)	0.5128
Developed Runoff Coefficient (Cd)	0.7048
Time of Concentration (min)	13.0
Clear Peak Flow Rate (cfs)	2.7253
Burned Peak Flow Rate (cfs)	3.0365
24-Hr Clear Runoff Volume (ac-ft)	0.4319
24-Hr Clear Runoff Volume (cu-ft)	18811.755



Peak Flow Hydrologic Analysis

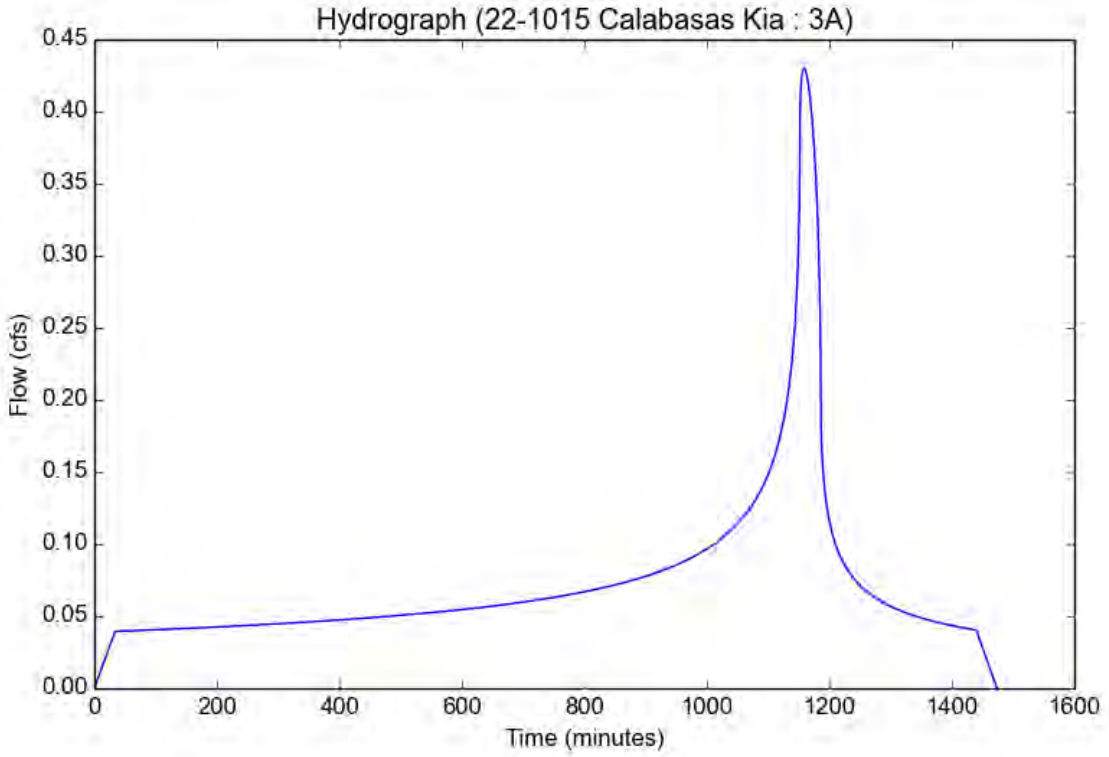
File location: P:/22-1015 - Hello Auto Group re Calabasas Kia/200-H&H/PDF/HydroCalc Results/2023-03-08 Proposed All stroms/22-1015 Calabasas Kia
Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	3A
Area (ac)	3.57
Flow Path Length (ft)	996.0
Flow Path Slope (vft/hft)	0.14
85th Percentile Rainfall Depth (in)	1.0
Percent Impervious	0.496
Soil Type	4
Design Storm Frequency	85th percentile storm
Fire Factor	0.83
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	1.0
Peak Intensity (in/hr)	0.2423
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.4968
Time of Concentration (min)	34.0
Clear Peak Flow Rate (cfs)	0.4298
Burned Peak Flow Rate (cfs)	0.5085
24-Hr Clear Runoff Volume (ac-ft)	0.1466
24-Hr Clear Runoff Volume (cu-ft)	6384.968



Watershed Modeling System

(WMS v11.0)

Routed Results

File name: untitled.lac Run date: Fri Mar 10 09:04:10 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 50

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	6.8	23.45	6.8	23.45	0.900	0	0	0.00000	0.00	0.00	0	4	5	7.35	0.01
1	2A	0.0	0.00	6.8	23.45	0.900	4	725	0.07170	3.50	0.00	0	4	0	7.35	0.00
1	3A	3.6	12.12	10.4	26.93	1.914	0	0	0.00000	0.00	0.00	0	4	6	7.35	0.50
1	4A	0.0	0.00	10.4	26.93	1.914	0	0	0.00000	0.00	0.00	0	4	0	7.35	0.00

Normal End of MODRAT

File name: untitled.lac Run date: Fri Mar 10 09:28:48 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 50

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	6.8	26.13	6.8	26.13	1.326	0	0	0.00000	0.00	0.00	0	204	5	7.35	0.01
1	2A	0.0	0.00	6.8	26.13	1.326	4	725	0.07170	3.50	0.00	0	204	0	7.35	0.00
1	3A	3.6	12.12	10.4	29.26	2.340	0	0	0.00000	0.00	0.00	0	4	6	7.35	0.50
1	4A	0.0	0.00	10.4	29.26	2.340	0	0	0.00000	0.00	0.00	0	4	0	7.35	0.00

Normal End of MODRAT

File name: untitled.lac Run date: Fri Mar 10 09:34:37 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 25

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	6.8	20.18	6.8	20.18	0.735	0	0	0.00000	0.00	0.00	0	4	5	6.45	0.01
1	2A	0.0	0.00	6.8	20.18	0.735	4	725	0.07170	3.50	0.00	0	4	0	6.45	0.00
1	3A	3.6	9.72	10.4	22.87	1.586	0	0	0.00000	0.00	0.00	0	4	7	6.45	0.50
1	4A	0.0	0.00	10.4	22.87	1.586	0	0	0.00000	0.00	0.00	0	4	0	6.45	0.00

Normal End of MODRAT

Proposed 25 yr Burned

File name: untitled.lac Run date: Fri Mar 10 09:36:40 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 25

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	6.8	22.66	6.8	22.66	1.082	0	0	0.00000	0.00	0.00	0	204	5	6.45	0.01
1	2A	0.0	0.00	6.8	22.66	1.082	4	725	0.07170	3.50	0.00	0	204	0	6.45	0.00
1	3A	3.6	9.72	10.4	24.92	1.932	0	0	0.00000	0.00	0.00	0	4	7	6.45	0.50
1	4A	0.0	0.00	10.4	24.92	1.932	0	0	0.00000	0.00	0.00	0	4	0	6.45	0.00

Normal End of MODRAT

File name: untitled.lac Run date: Fri Mar 10 09:39:35 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 10

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	6.8	14.24	6.8	14.24	0.539	0	0	0.00000	0.00	0.00	0	4	6	5.25	0.01
1	2A	0.0	0.00	6.8	14.24	0.539	4	725	0.07170	3.50	0.00	0	4	0	5.25	0.00
1	3A	3.6	7.26	10.4	16.94	1.183	0	0	0.00000	0.00	0.00	0	4	8	5.25	0.50
1	4A	0.0	0.00	10.4	16.94	1.183	0	0	0.00000	0.00	0.00	0	4	0	5.25	0.00

Normal End of MODRAT

File name: untitled.lac Run date: Fri Mar 10 09:49:43 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 10

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	6.8	16.35	6.8	16.35	0.788	0	0	0.00000	0.00	0.00	0	204	6	5.25	0.01
1	2A	0.0	0.00	6.8	16.35	0.788	4	725	0.07170	3.50	0.00	0	204	0	5.25	0.00
1	3A	3.6	7.26	10.4	18.82	1.428	0	0	0.00000	0.00	0.00	0	4	8	5.25	0.50
1	4A	0.0	0.00	10.4	18.82	1.428	0	0	0.00000	0.00	0.00	0	4	0	5.25	0.00

Normal End of MODRAT

File name: untitled.lac Run date: Fri Mar 10 09:52:49 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 5

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	6.8	9.38	6.8	9.38	0.402	0	0	0.00000	0.00	0.00	0	4	8	4.29	0.01
1	2A	0.0	0.00	6.8	9.38	0.402	4	725	0.07170	3.50	0.00	0	4	0	4.29	0.00
1	3A	3.6	5.45	10.4	12.07	0.898	0	0	0.00000	0.00	0.00	0	4	9	4.29	0.50
1	4A	0.0	0.00	10.4	12.07	0.898	0	0	0.00000	0.00	0.00	0	4	0	4.29	0.00

Normal End of MODRAT

Proposed 5 yr Burned

File name: untitled.lac Run date: Fri Mar 10 09:54:18 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 5

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	6.8	11.10	6.8	11.10	0.581	0	0	0.00000	0.00	0.00	0	204	8	4.29	0.01
1	2A	0.0	0.00	6.8	11.10	0.581	4	725	0.07170	3.50	0.00	0	204	0	4.29	0.00
1	3A	3.6	5.45	10.4	13.61	1.060	0	0	0.00000	0.00	0.00	0	4	9	4.29	0.50
1	4A	0.0	0.00	10.4	13.61	1.060	0	0	0.00000	0.00	0.00	0	4	0	4.29	0.00

Normal End of MODRAT

File name: untitled.lac Run date: Fri Mar 10 09:56:36 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 2

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	6.8	4.01	6.8	4.01	0.228	0	0	0.00000	0.00	0.00	0	4	12	2.84	0.01
1	2A	0.0	0.00	6.8	4.01	0.228	4	725	0.07170	3.50	0.00	0	4	0	2.84	0.00
1	3A	3.6	2.75	10.4	5.74	0.525	0	0	0.00000	0.00	0.00	0	4	13	2.84	0.50
1	4A	0.0	0.00	10.4	5.74	0.525	0	0	0.00000	0.00	0.00	0	4	0	2.84	0.00

Normal End of MODRAT

File name: untitled.lac Run date: Fri Mar 10 09:58:24 2023

Los Angeles County Flood Control District
Modified Rational Method Hydrology

Storm Day 1 Storm Frequency 2

LOCATION		SUBAREA AREA (ACRES)	SUBAREA Q (CFS)	TOTAL AREA (ACRES)	TOTAL Q (CFS)	TOTAL VOLUME (AC-FT)	CONV TYPE	CONV LNGTH (FT)	CONV SLOPE (FT/FT)	CONV SIZE	CONV Z	CONTROL Q (CFS)	SOIL NAME	TC (MIN)	RAIN (IN)	PCT IMPV
1	1A	6.8	5.23	6.8	5.23	0.319	0	0	0.00000	0.00	0.00	0	204	12	2.84	0.01
1	2A	0.0	0.00	6.8	5.23	0.319	4	725	0.07170	3.50	0.00	0	204	0	2.84	0.00
1	3A	3.6	2.75	10.4	6.84	0.595	0	0	0.00000	0.00	0.00	0	4	13	2.84	0.50
1	4A	0.0	0.00	10.4	6.84	0.595	0	0	0.00000	0.00	0.00	0	4	0	2.84	0.00

Normal End of MODRAT

Appendix E:

Proposed Basins

Basin #1

	elevation	area (ft^2)	total volume (ac-ft)	runoff volume cap. event (ac-ft) *	total volume (c.y.)	runoff volume available (c.y.)
Debris	1130.0	1796.9	0		0.0	
	1132.0	2862.4	0.106		171.0	
	1134.0	3665.2	0.255		412.2	
	1136.0	4531.5	0.443		715.2	
Detention	1137***	4953.7	0.552	0.108839	890.8	175.6
Freeboard	1138.0	5442.8	0.671	0.228130	1083.3	368.0

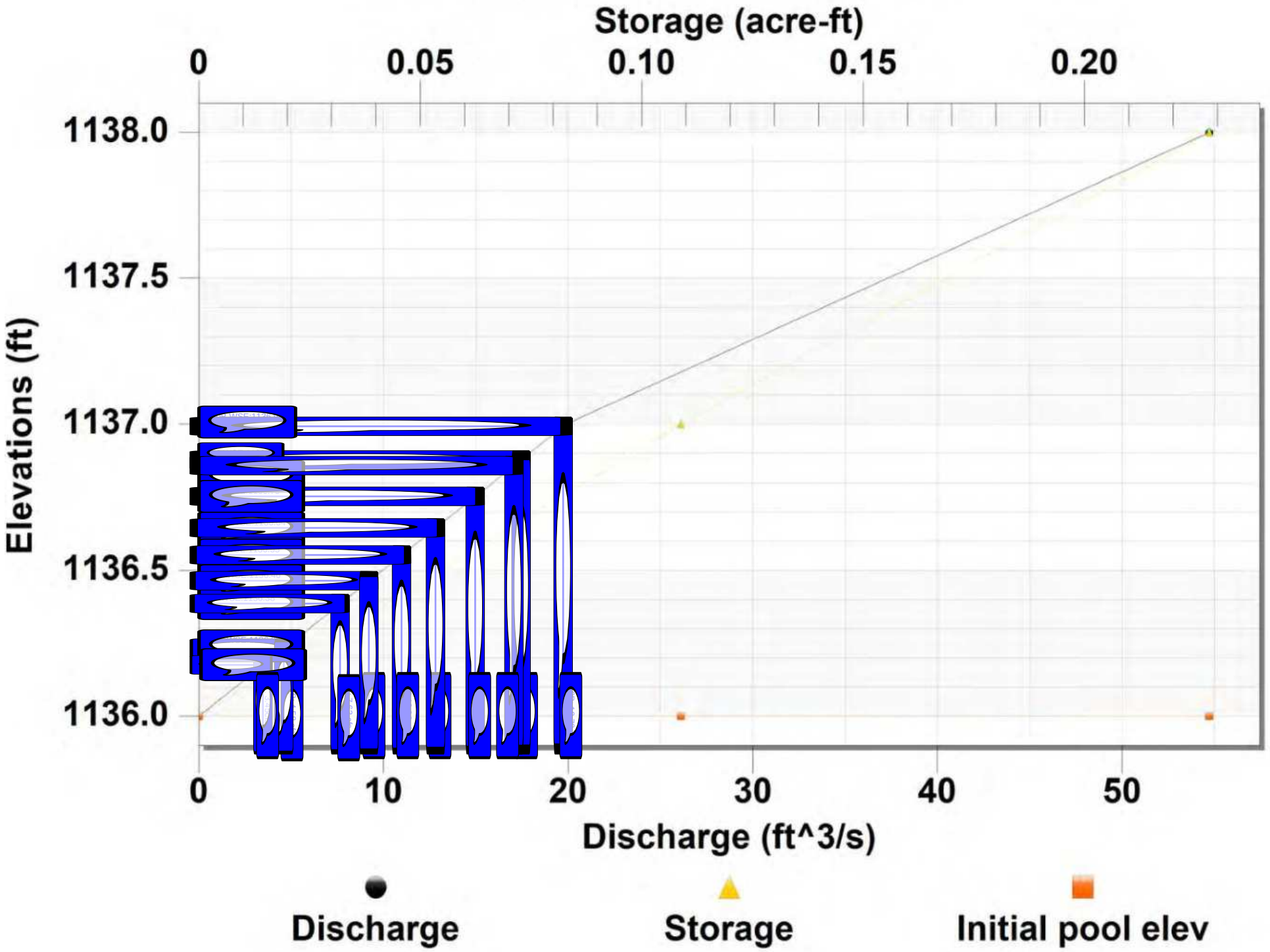
available debris storage = 0.44 ac-ft

see proposed hydrology map for debris basin details

* capital storm model subtracts 100% of the debris yield from the total basin volume before routing

*** Q50B Water Surface elevation

Storage Discharge Curves

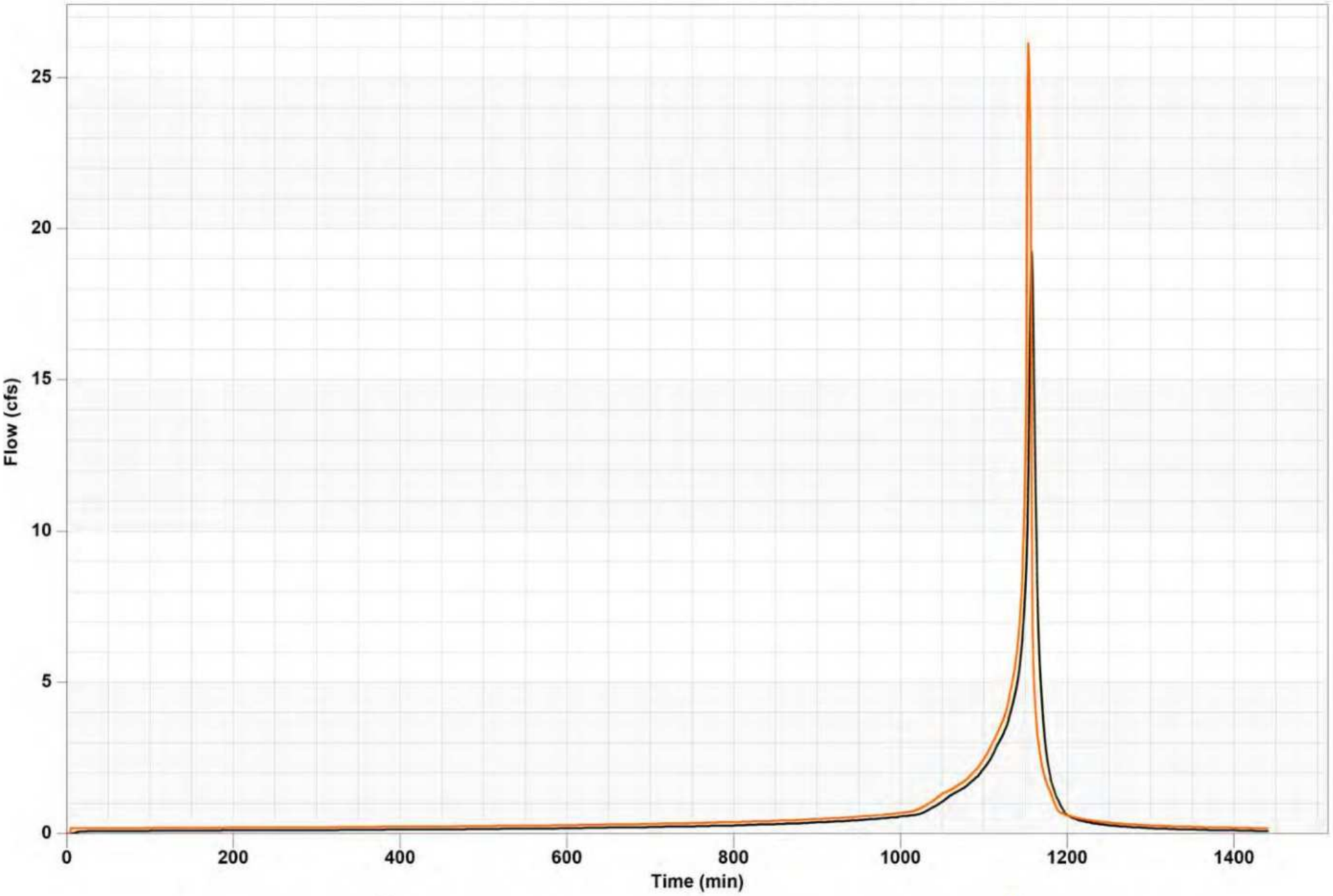


Appendix F:

Detention Analysis

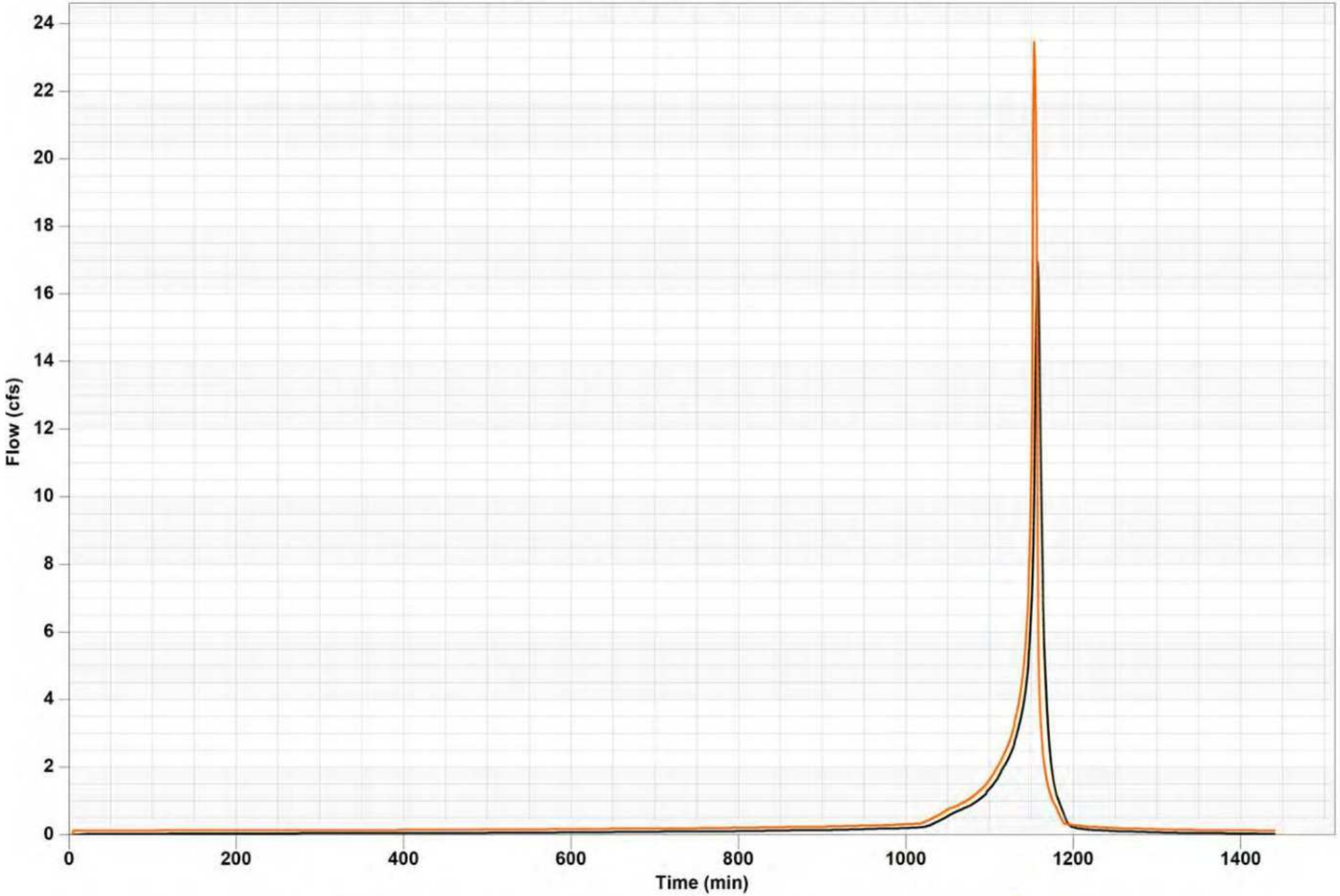
BASIN #1 50yr Burned Inflow - Outflow Hydrograph

PEAK: 26.13 cfs TIME OF PEAK: 1153 min VOLUME: 57769.80 ft^3



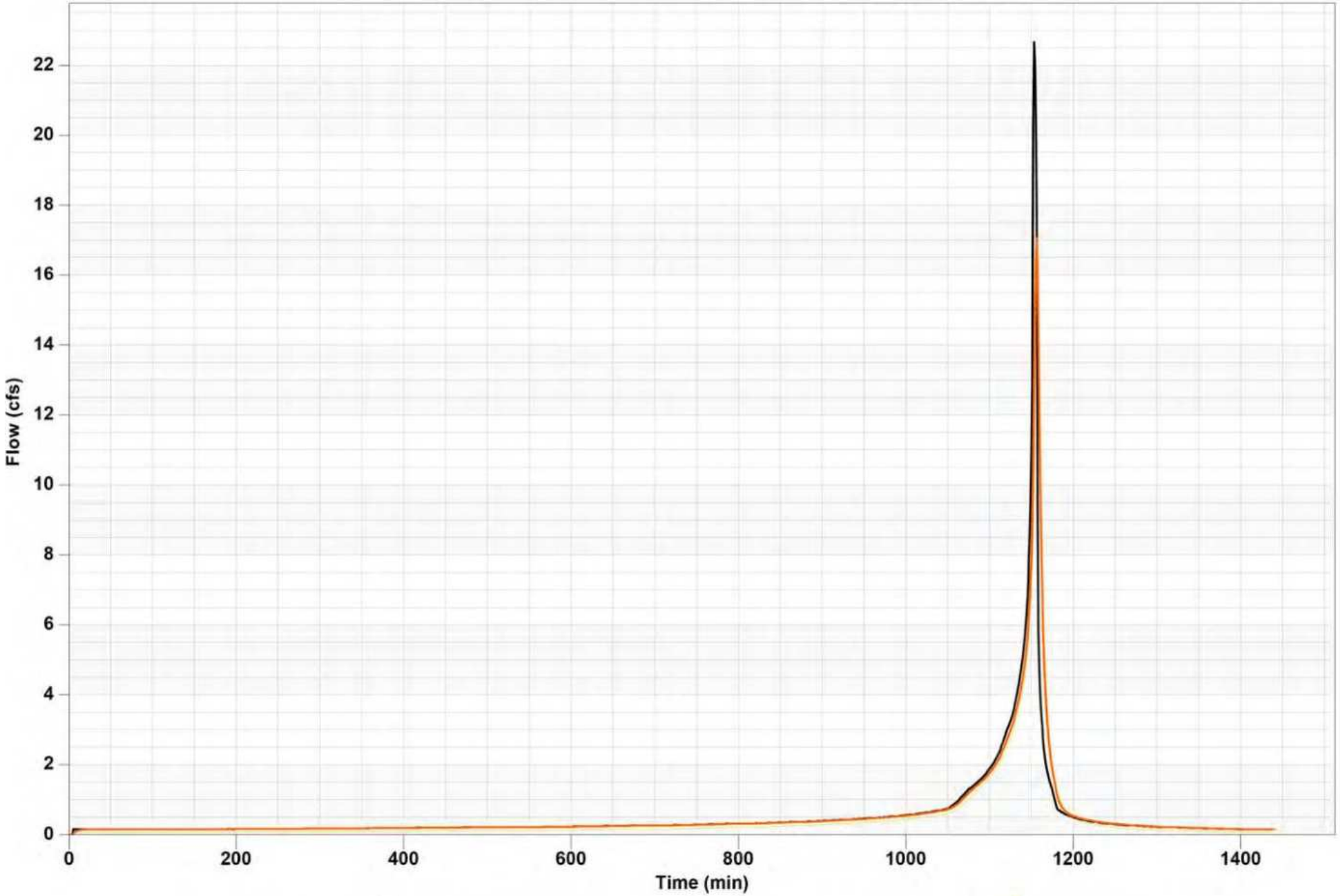
BASIN #1 50yr Inflow - Outflow Hydrograph

PEAK: 23.45 cfs TIME OF PEAK: 1153 min VOLUME: 39201.00 ft^3



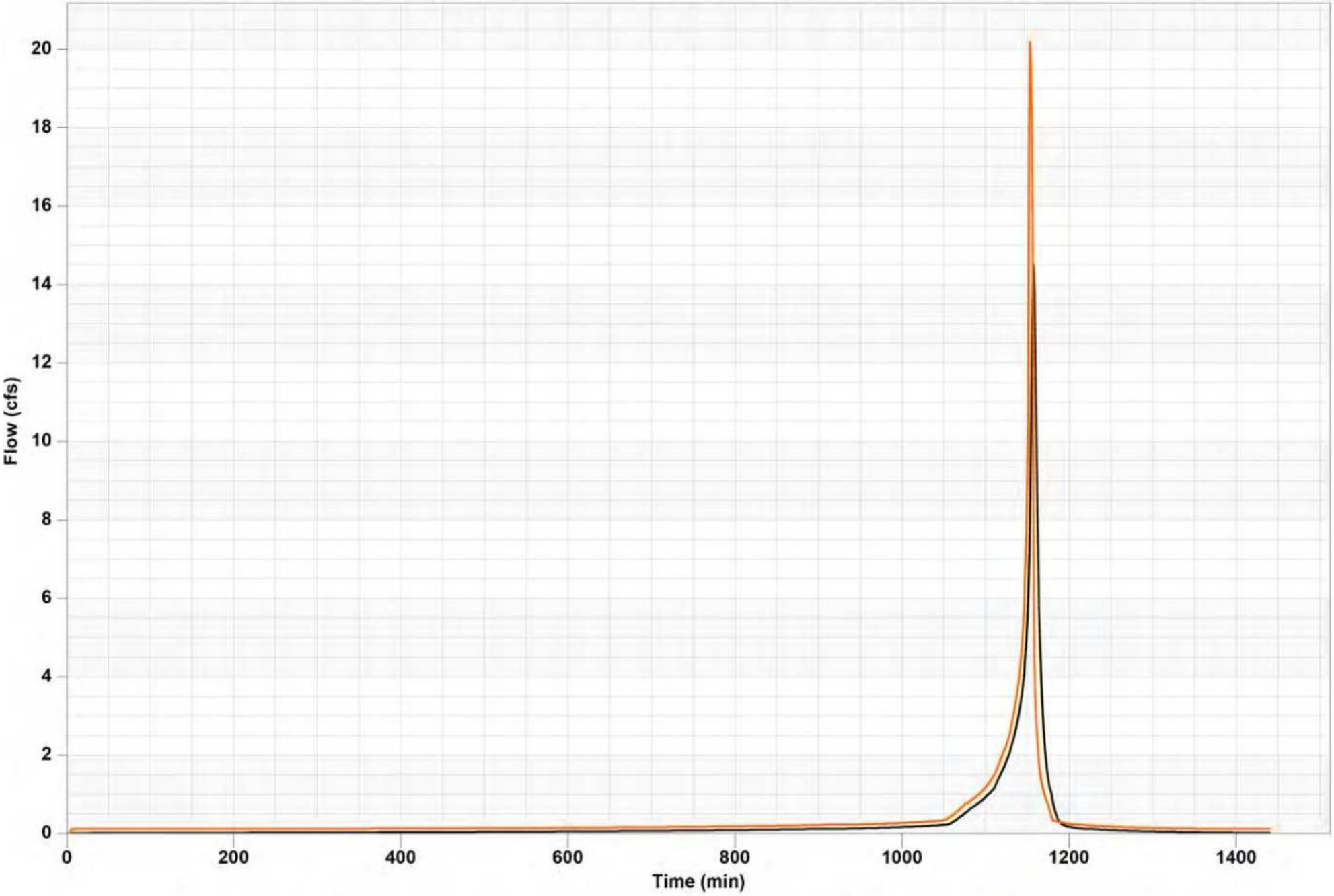
BASIN #1 25yr Burned Inflow - Outflow Hydrograph

PEAK: 22.66 cfs TIME OF PEAK: 1153 min VOLUME: 47109.90 ft^3



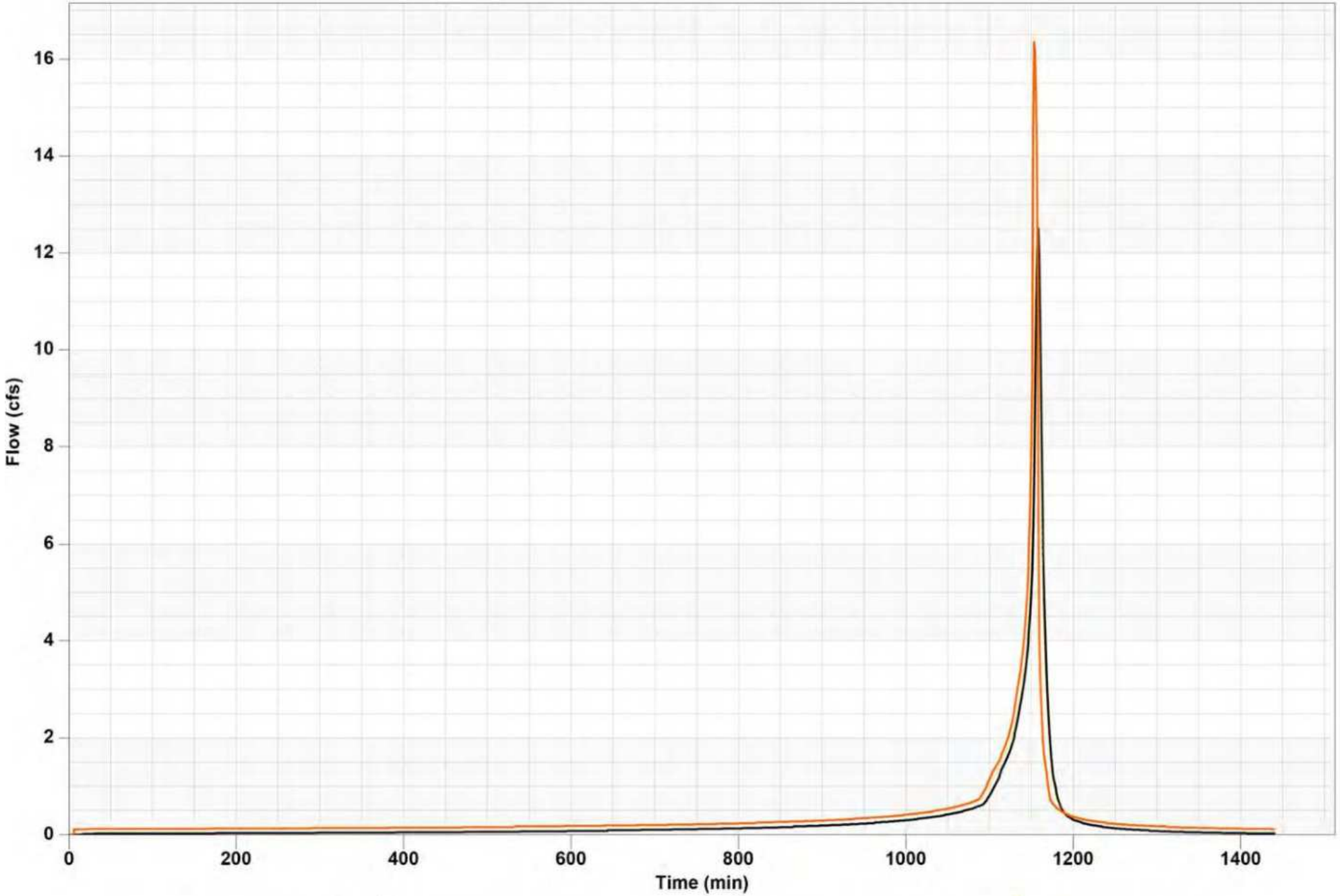
BASIN #1 25yr Inflow - Outflow Hydrograph

PEAK: 20.18 cfs TIME OF PEAK: 1153 min VOLUME: 32020.50 ft^3



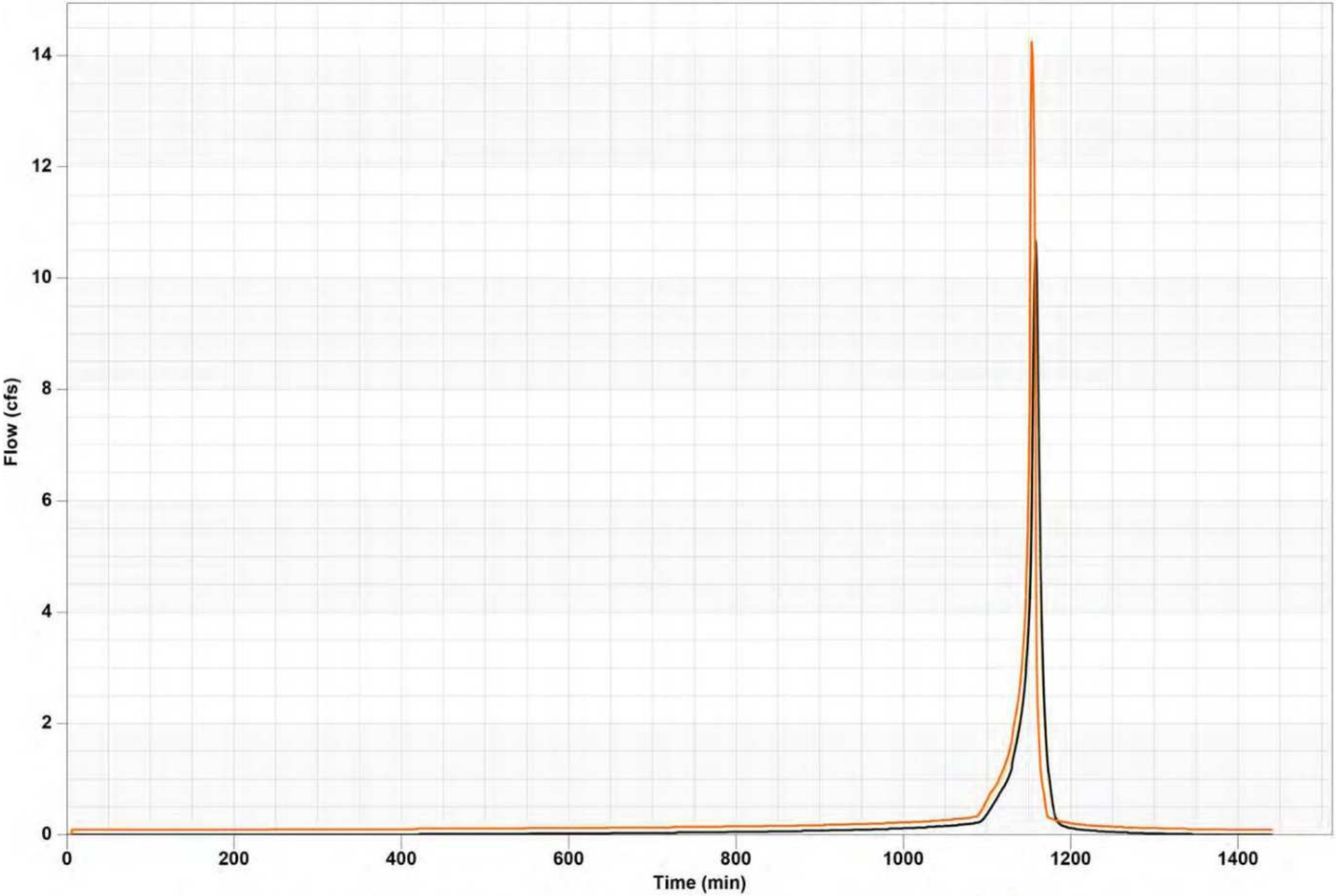
BASIN #1 10yr Burned Inflow - Outflow Hydrograph

PEAK: 16.35 cfs TIME OF PEAK: 1153 min VOLUME: 34328.70 ft^3



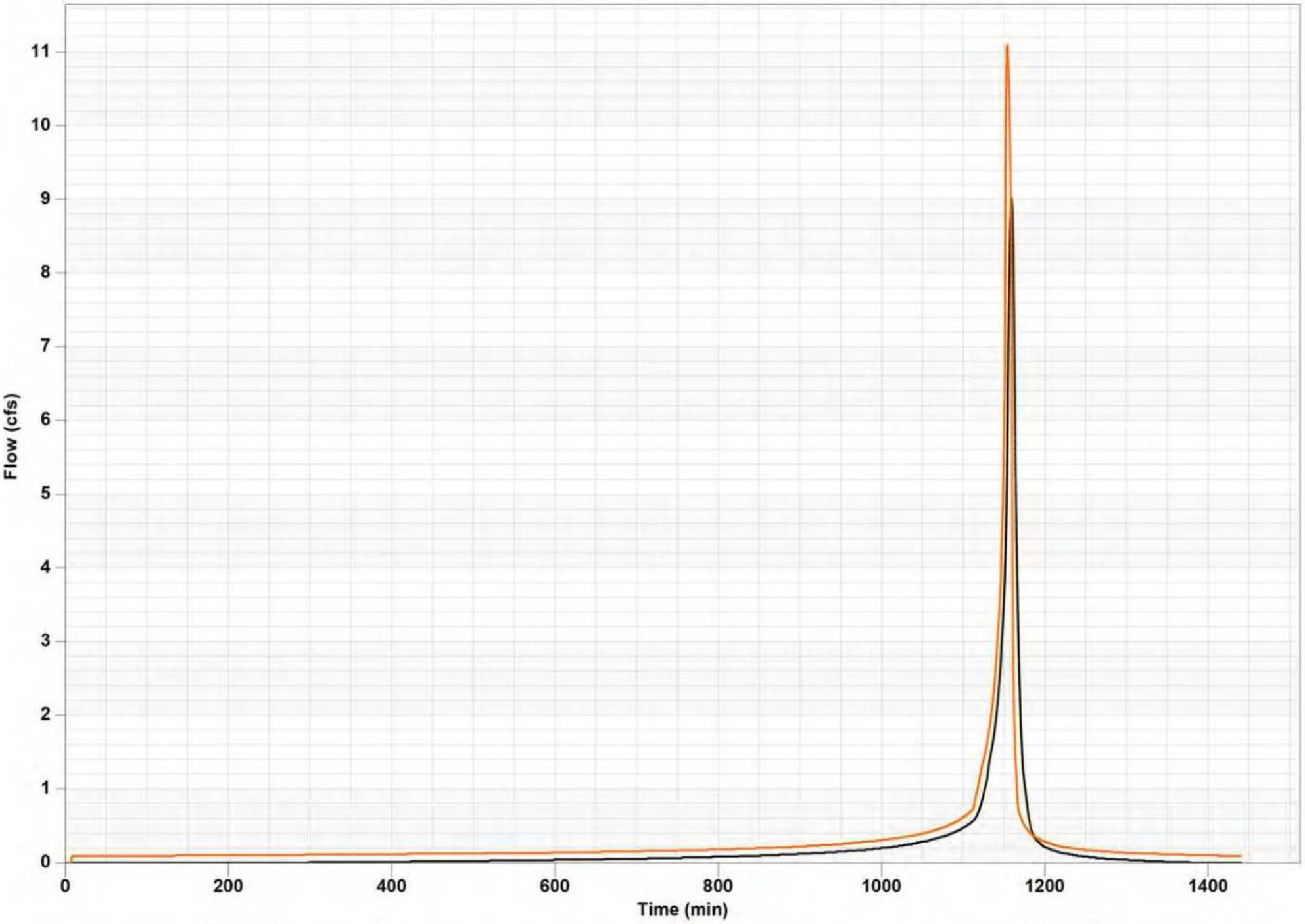
BASIN #1 10yr Inflow - Outflow Hydrograph

PEAK: 14.24 cfs TIME OF PEAK: 1153 min VOLUME: 23480.70 ft^3



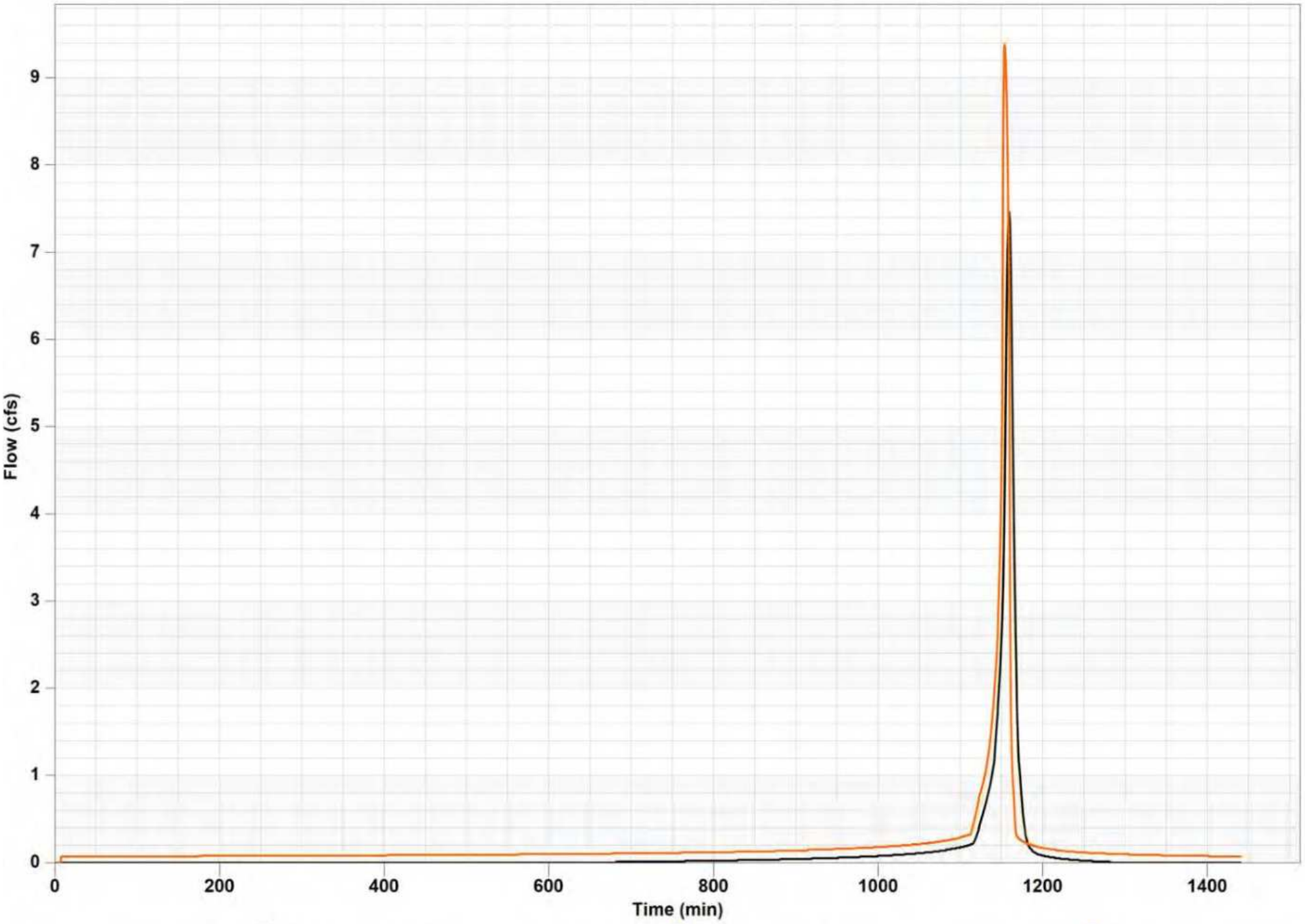
BASIN #1 5yr Burned Inflow - Outflow Hydrograph

PEAK: 11.10 cfs TIME OF PEAK: 1154 min VOLUME: 25306.50 ft^3



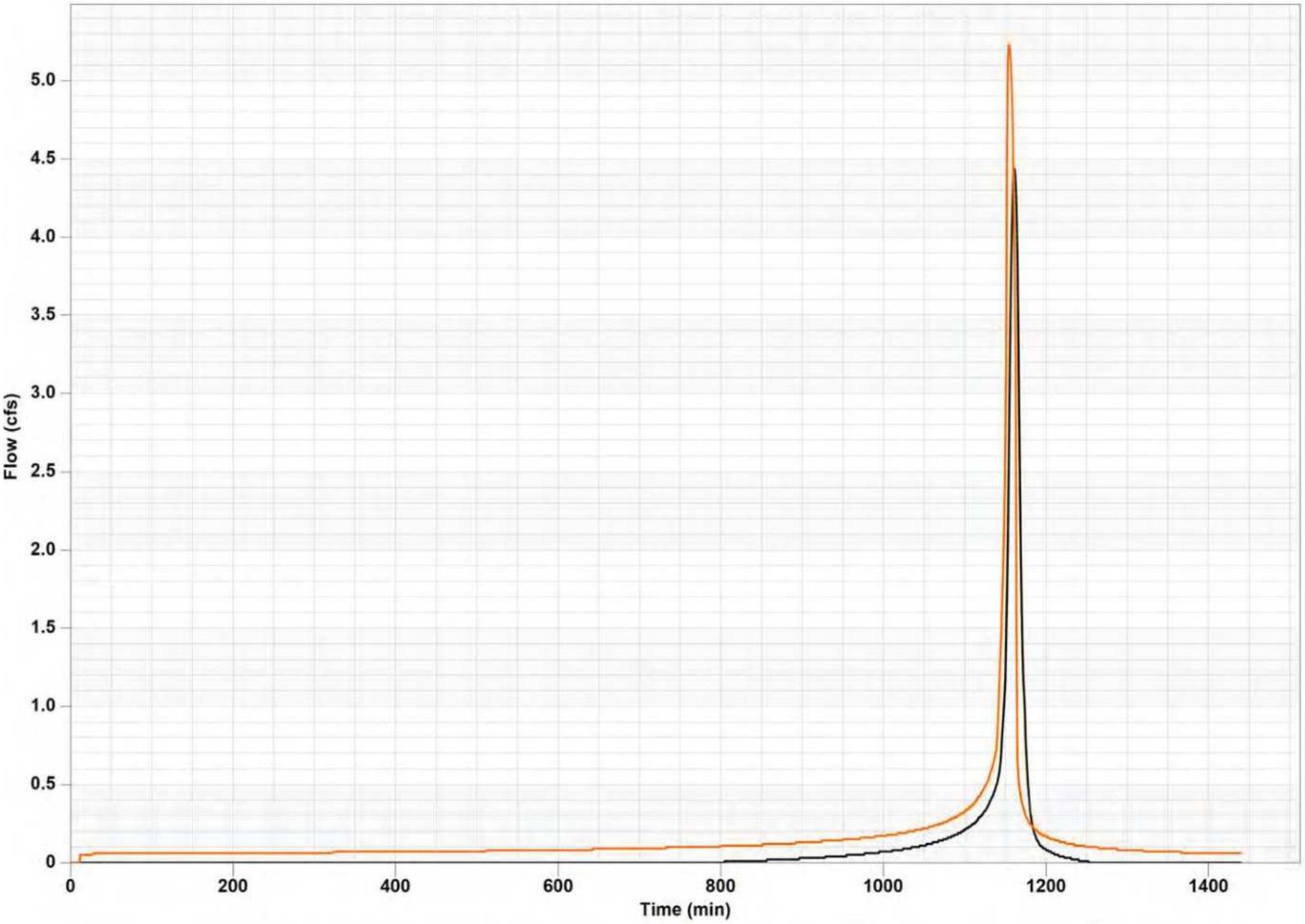
BASIN #1 5yr Inflow - Outflow Hydrograph

PEAK: 9.38 cfs TIME OF PEAK: 1154 min VOLUME: 17499.30 ft^3



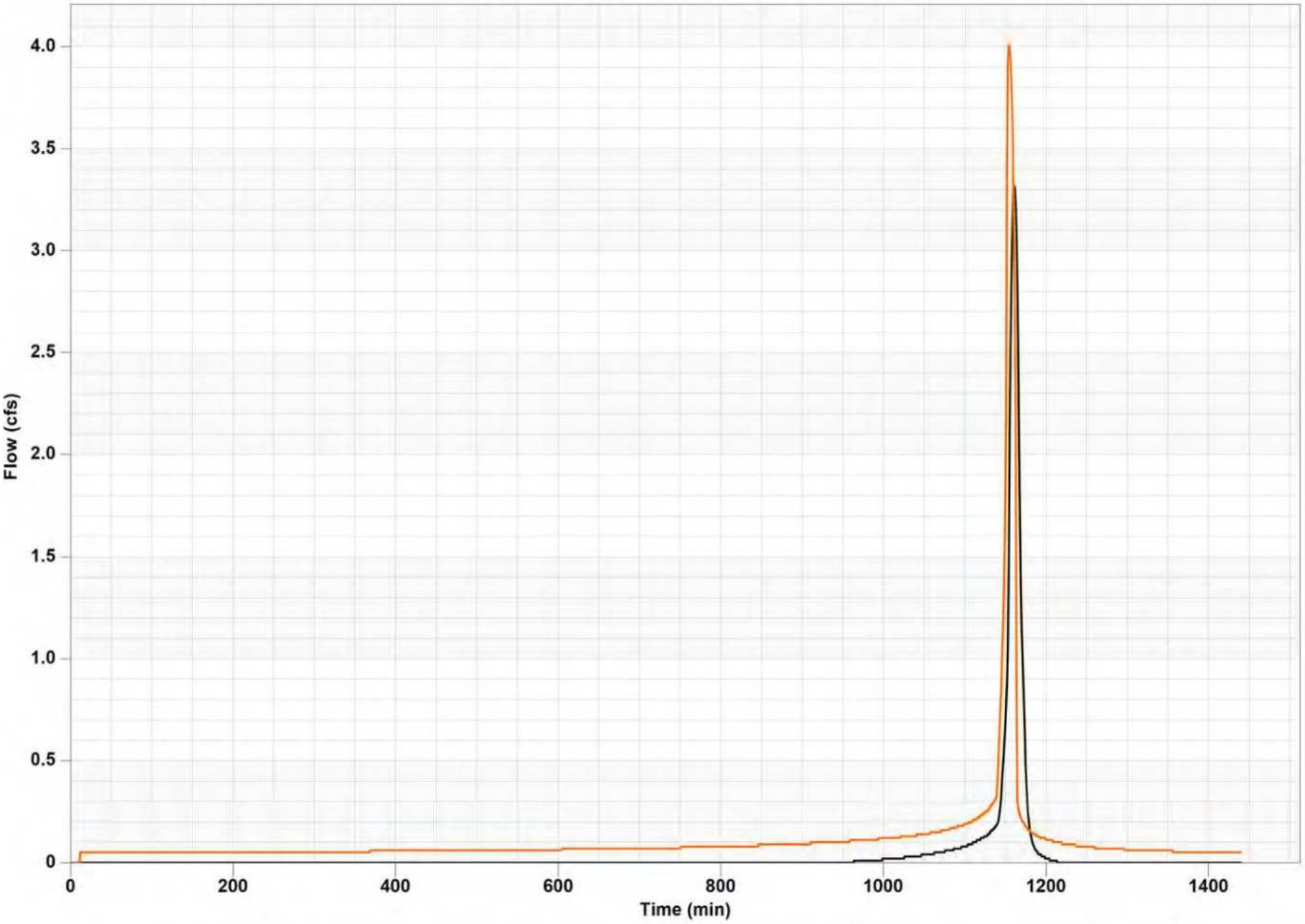
BASIN #1 2yr Burned Inflow - Outflow Hydrograph

PEAK: 5.23 cfs TIME OF PEAK: 1154 min VOLUME: 13908.00 ft^3



BASIN #1 2yr Inflow - Outflow Hydrograph

PEAK: 4.01 cfs TIME OF PEAK: 1154 min VOLUME: 9932.70 ft^3



untitled.sol, 2RT, P:3.32, T:1161, V:3909.0

untitled.sol, 2RES, P:3.45, T:1159, V:3909.0

untitled.sol, 2A, P:4.01, T:1154, V:9932.7

Appendix G:

Stormwater Quality Calculations

Peak Flow Hydrologic Analysis

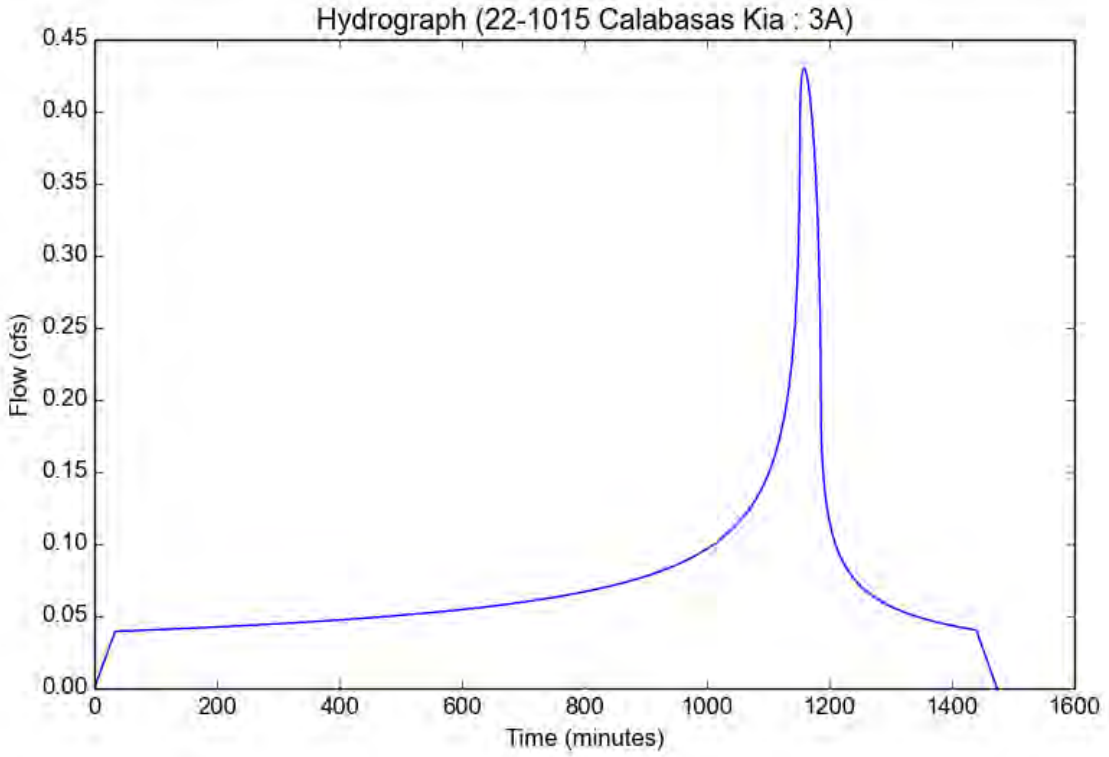
File location: P:/22-1015 - Hello Auto Group re Calabasas Kia/200-H&H/PDF/HydroCalc Results/2023-03-08 Proposed All stroms/22-1015 Calabasas Kia
Version: HydroCalc 1.0.3

Input Parameters

Project Name	22-1015 Calabasas Kia
Subarea ID	3A
Area (ac)	3.57
Flow Path Length (ft)	996.0
Flow Path Slope (vft/hft)	0.14
85th Percentile Rainfall Depth (in)	1.0
Percent Impervious	0.496
Soil Type	4
Design Storm Frequency	85th percentile storm
Fire Factor	0.83
LID	True

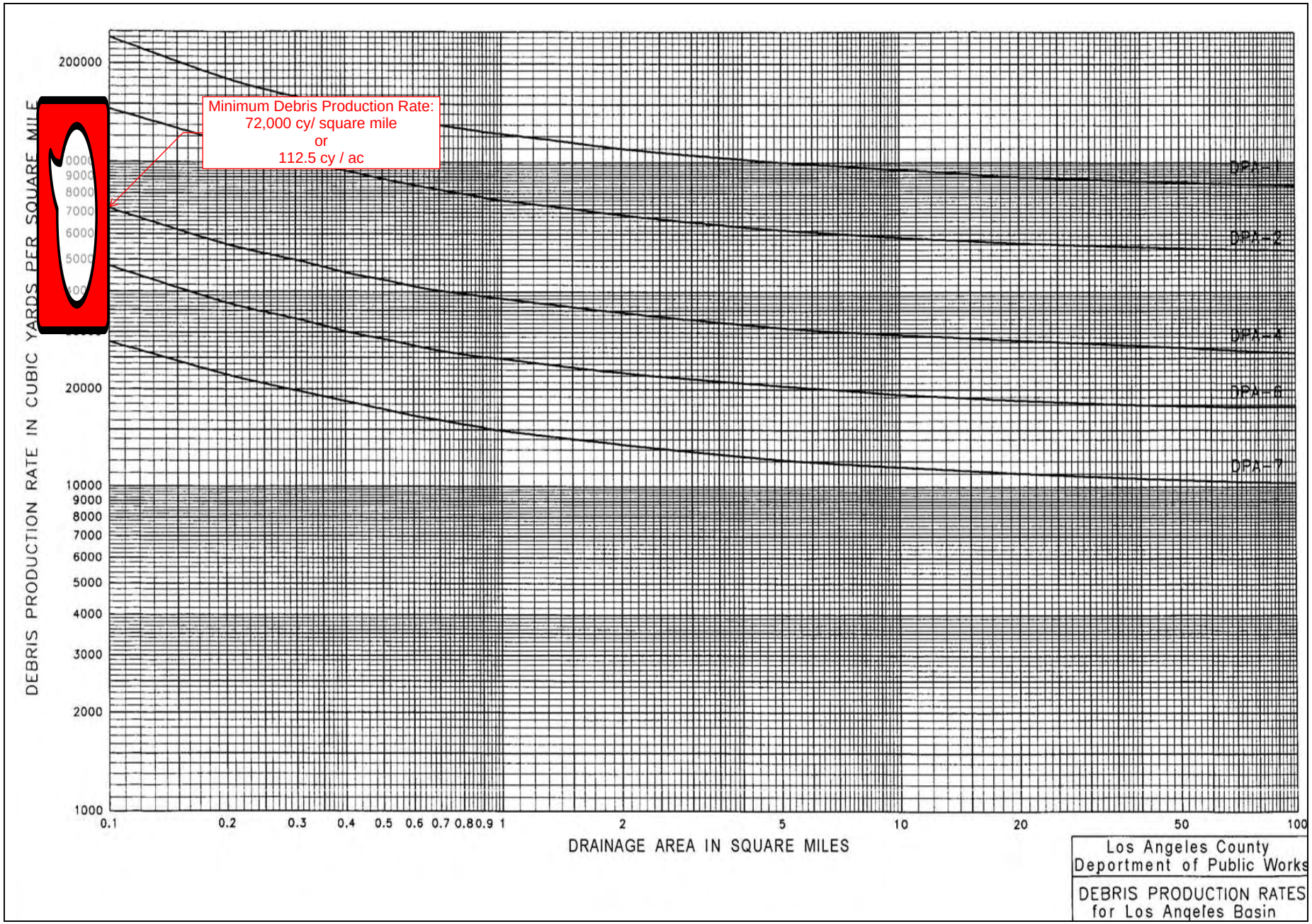
Output Results

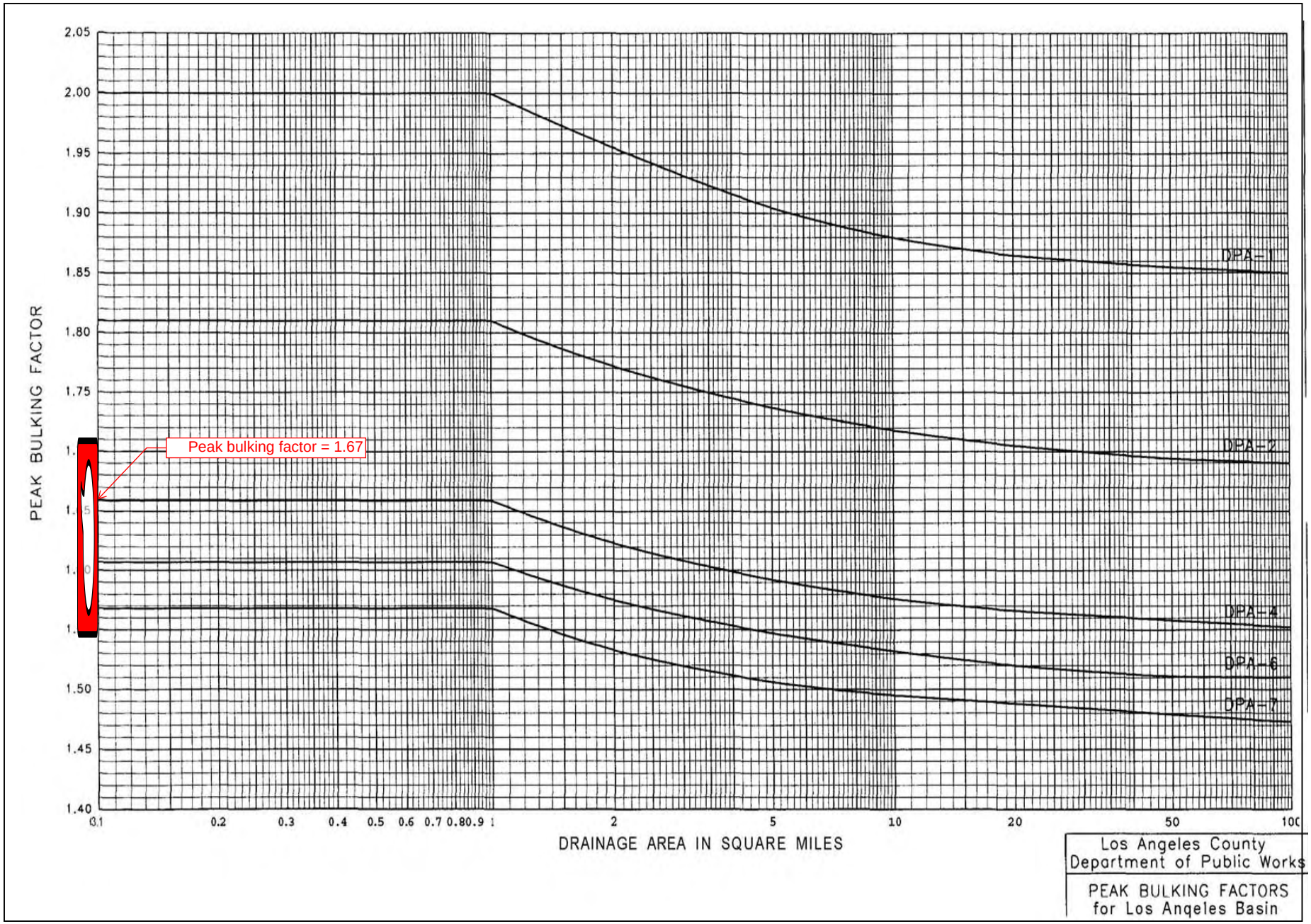
Modeled (85th percentile storm) Rainfall Depth (in)	1.0
Peak Intensity (in/hr)	0.2423
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.4968
Time of Concentration (min)	34.0
Clear Peak Flow Rate (cfs)	0.4298
Burned Peak Flow Rate (cfs)	0.5085
24-Hr Clear Runoff Volume (ac-ft)	0.1466
24-Hr Clear Runoff Volume (cu-ft)	6384.968



Appendix H:

Debris Potential and Bulk Flow Rate Calculations


Minimum Debris Production Rate:
72,000 cy/ square mile
or
112.5 cy / ac
DEBRIS PRODUCTION RATE IN CUBIC YARDS PER SQUARE MILE
200000
20000
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
2
5
10
20
50
100
DRAINAGE AREA IN SQUARE MILES
DPA-1
DPA-2
DPA-4
DPA-6
DPA-7
Los Angeles County
Department of Public Works
DEBRIS PRODUCTION RATES
for Los Angeles Basin


PEAK BULKING FACTOR
2.05
2.00
1.95
1.90
1.85
1.80
1.75
1.67
1.50
1.45
1.40
Peak bulking factor = 1.67
DPA-1
DPA-2
DPA-4
DPA-6
DPA-7
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
2
5
10
20
50
DRAINAGE AREA IN SQUARE MILES
Los Angeles County
Department of Public Works
PEAK BULKING FACTORS
for Los Angeles Basin

Debris Production -Existing

3.3 SEDIMENT DELIVERY

The following sections show the procedures to determi
production from watersheds with different characteristics.
production is used for the selection and sizing
control/conveyance structures. See Example 1 in Appendix D.

Undeveloped Watershed

Use the following procedure to determine sediment production a
an undeveloped watershed that completely falls within the boun
DPA zone:

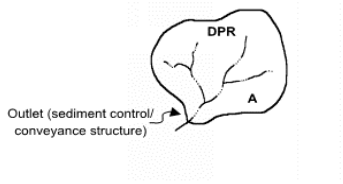
1) Identify the DPA zone from the maps in Appendix A.

2) Determine the drainage area (A) in square miles.

3) Determine the Debris Production Rate (DPR) from curves in A
2, or 3, corresponding to the DPA zone and the drainage
steps 1 and 2 above. For areas smaller than 0.1 square
same DPR for 0.1 square mile.

4) Calculate the total Debris Production by multiplying the Debr
Rate, from step 3, by the drainage area, from step 2. Equ
used for single undeveloped watersheds within a single DPA Z

For a single watershed use Equation 3.3.1:



$$DP = DPR_{(A)} \times A$$

Where: DP = Debris Production in yd^3
DPR = Debris Production Rate in yd^3/mi^2

3.5 GENERAL FORM EQUATIONS – DEBRIS PRODUCTION RATES & BULKING FACTORS

These equations are the general form of the equations in Sections 3.3 and 3.4 and can be used for multiple DPA zones. The number to the right of each equation corresponds to the number of the equation in Section 3.3 or 3.4. The postscript "g" shows that this is the general form of the equation.

$$DP = DPR_{(A)} \times A \qquad \textbf{Equation 3.3.1g}$$

$$DP = \sum (DPR_{i(A_i)} \times A_i) \qquad \textbf{Equation 3.3.2g}$$

Where: DP = Debris production, in yd^3
$DPR_{i\,(Ai)}$ = Debris production rate based on area A_i in DPA zone i in yd^3/mi^2
A_i = Drainage area in mi^2

$$DP = DPR_{(A)} \times A_u\left(\frac{A_u}{A}\right) + DPR_{(A_u)} \times A_u\left(\frac{A_d}{A}\right) \qquad \textbf{Equation 3.3.3g}$$

$$A_d = \sum (A_{d_1} + A_{d_2} + A_{d_3} + \ldots + A_{d_n})$$
$$A_u = A - A_d$$

Where: DP = Debris production in yd^3
$DPR_{(A)}$ = Debris production rate based on the total drainage area, A_i in yd^3/mi^2
$DPR_{(Au)}$ = Debris production rate based on the total undeveloped drainage area, A_u, in yd^3/mi^2
A = Total drainage area including developments in mi^2
A_u = Total undeveloped area in mi^2
A_d = Total developed area (existing only) in mi^2

Debris Potential

Subarea	1A	Total
DPA Zone	4	-
Debris Production (cy/mi^2)	72000 *	-
$DPR_{(A)}$ (cy/ac)	112.50	-
A (ac)	8.7	8.69
DP (cy)	**977**	**977**

***Sedimentation Manual - Appendix B-1: Debris Production Rate Curves**

Bulk Flow Rate - Existing

debris basin does not exist. Example 1 in Appendix D illustrates use of these curves.

The procedures for determining bulking factors for watersheds with different characteristics are similar to the procedures for determining sediment production explained in Section 3.3. To determine bulked flow rates, Q_B, use the equation listed below for the appropriate case.

For single undeveloped watersheds (see Figure 3.3.1):

$$Q_B = BF_{(A)} \times Q_{(A)} \qquad \textbf{Equation 3.4.1}$$

For multiple undeveloped watersheds having a common outlet (see Figure 3.3.2):

$$Q_B = BF_{1(A_1)} \times \left(\frac{Q \quad A_1}{A_1 + A_2}\right) + BF_{2(A_2)} \times \left(\frac{Q \quad A_2}{A_1 + A_2}\right) \qquad \textbf{Equation 3.4.2}$$

For partially developed watersheds (see Figure 3.3.3):

$$Q_B = BF_{(A)} \times \left(\frac{Q_{(A)} \quad A_u}{A}\right)\left(\frac{A_u}{A}\right) + BF_{(A_u)} \times \left(\frac{Q_{(A)} \quad A_u}{A}\right)\left(\frac{A_d}{A}\right) + \left(\frac{Q_{(A)} \quad A_d}{A}\right) \qquad \textbf{Equation 3.4.3}$$

For a watershed with multiple debris production zones (see Figure 3.3.4):

$$Q_B = BF_{1(A_1+A_2)} \times \left(\frac{Q \quad A_1}{A_1 + A_2}\right)\left(\frac{A_1}{A_1 + A_2}\right) + BF_{1(A_1)} \times \left(\frac{Q \quad A_1}{A_1 + A_2}\right)\left(\frac{A_2}{A_1 + A_2}\right) + BF_{2(A_1+A_2)} \times \left(\frac{Q \quad A_2}{A_1 + A_2}\right)\left(\frac{A_2}{A_1 + A_2}\right) + BF_{2(A_2)} \times \left(\frac{Q \quad A_2}{A_1 + A_2}\right)\left(\frac{A_1}{A_1 + A_2}\right) \qquad \textbf{Equation 3.4.4}$$

$$Q = Q_{A_1+A_2}$$

Where:
- Q = Clear or burned discharge in cfs
- Q_B = Bulked or burned and bulked discharge in cfs
- $BF_{i(Ai)}$ = Bulking factor based on area A_i
- A_i = Drainage area in mi^2
- A_u = Total undeveloped area in mi^2
- A_d = Total developed area in mi^2

Bulk Flow Rate		
Subarea	1A	Total
DPA Zone	4	-
Q_{50} (cfs)	30.30	30.3
Q_{50b}(cfs)	33.42	33.4
$BF_{i(Ai)}$	1.67 *	-
Ai (ac)	10.32	-
Au (ac)	8.69	-
Ad (ac)	1.63	-
Q_{BB}(cfs)	51.78	**51.8**

***Sedimentation Manual - Appendix B-4: Peak Bulking Factor Curves**

Debris Production - Proposed

3.3 SEDIMENT DELIVERY

The following sections show the procedures to determine sediment production from watersheds with different characteristics. Sediment production is used for the selection and sizing of sediment control/conveyance structures. See Example 1 in Appendix D.

Undeveloped Watershed

Use the following procedure to determine sediment production at the outlet of an undeveloped watershed that completely falls within the boundaries of one DPA zone:

1) Identify the DPA zone from the maps in Appendix A.

2) Determine the drainage area (A) in square miles.

3) Determine the Debris Production Rate (DPR) from curves in Appendix B-1, 2, or 3, corresponding to the DPA zone and the drainage area found in steps 1 and 2 above. For areas smaller than 0.1 square mile, use the same DPR for 0.1 square mile.

4) Calculate the total Debris Production by multiplying the Debris Production Rate, from step 3, by the drainage area, from step 2. Equation 3.3.1 is used for single undeveloped watersheds within a single DPA Zone.

For a single watershed use Equation 3.3.1:

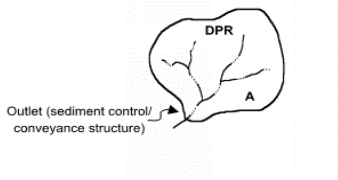


Fig
Deb
Wat

$$DP = DPR_{(A)} \times A$$

Eq

Where: DP = Debris Production in yd^3
DPR = Debris Production Rate in yd^3/mi^2

3.5 GENERAL FORM EQUATIONS – DEBRIS PRODUCTION RATES & BULKING FACTORS

These equations are the general form of the equations in Sections 3.3 and 3.4 and can be used for multiple DPA zones. The number to the right of each equation corresponds to the number of the equation in Section 3.3 or 3.4. The postscript "g" shows that this is the general form of the equation.

$$DP = DPR_{(A)} \times A \qquad \textbf{Equation 3.3.1g}$$

$$DP = \sum (DPR_{i(A_i)} \times A_i) \qquad \textbf{Equation 3.3.2g}$$

Where: DP = Debris production, in yd^3
$DPR_{i\,(Ai)}$ = Debris production rate based on area A_i in DPA zone i in yd^3/mi^2
A_i = Drainage area in mi^2

$$DP = DPR_{(A)} \times A_u \left(\frac{A_u}{A}\right) + DPR_{(A_u)} \times A_{ld} \left(\frac{A_{ld}}{A}\right) \qquad \textbf{Equation 3.3.3g}$$

$$A_d = \sum (A_{d1} + A_{d2} + A_{d3} + \ldots + A_{dn})$$
$$A_u = A - A_d$$

Where: DP = Debris production in yd^3
$DPR_{(A)}$ = Debris production rate based on the total drainage area, A_t in yd^3/mi^2
$DPR_{(Au)}$ = Debris production rate based on the total undeveloped drainage area, A_u, in yd^3/mi^2
A = Total drainage area including developments in mi^2
A_u = Total undeveloped area in mi^2
A_d = Total developed area (existing only) in mi^2

Debris Production

Subarea	1A	3A**	Total
DPA Zone	4	4	-
Debris Production (cy/mi^2)	72000 *	72000 *	-
DPR (cy/ac)	112.50	112.50	75.00
A (ac)	6.42	1.28	7.70
DP (cy)	***722***	***144***	***866***

***Sedimentation Manual - Appendix B: Debris Production Rate Curves**

****Developed Area- Not Subject to Debris Production**

Bulk Flow Rate -Proposed

debris basin does not exist. Example 1 in Appendix D illustrates use of these curves.

The procedures for determining bulking factors for watersheds with different characteristics are similar to the procedures for determining sediment production explained in Section 3.3. To determine bulked flow rates, Q_B, use the equation listed below for the appropriate case.

For single undeveloped watersheds (see Figure 3.3.1):

$$Q_B = BF_{(A)} \times Q_{(A)} \qquad \textbf{Equation 3.4.1}$$

For multiple undeveloped watersheds having a common outlet (see Figure 3.3.2):

$$Q_B = BF_{1(A_1)} \times \left(\frac{Q \quad A_1}{A_1 + A_2}\right) + BF_{2(A_2)} \times \left(\frac{Q \quad A_2}{A_1 + A_2}\right) \qquad \textbf{Equation 3.4.2}$$

For partially developed watersheds (see Figure 3.3.3):

$$Q_B = BF_{(A)} \times \left(\frac{Q_{(A)} \quad A_u}{A}\right)\left(\frac{A_u}{A}\right) + BF_{(A_u)} \times \left(\frac{Q_{(A)} \quad A_u}{A}\right)\left(\frac{A_d}{A}\right) + \left(\frac{Q_{(A)} \quad A_d}{A}\right) \qquad \textbf{Equation 3.4.3}$$

For a watershed with multiple debris production zones (see Figure 3.3.4):

$$Q_B = BF_{1(A_1+A_2)} \times \left(\frac{Q \quad A_1}{A_1 + A_2}\right)\left(\frac{A_1}{A_1 + A_2}\right) + BF_{1(A_1)} \times \left(\frac{Q \quad A_1}{A_1 + A_2}\right)\left(\frac{A_2}{A_1 + A_2}\right) + BF_{2(A_1+A_2)} \times \left(\frac{Q \quad A_2}{A_1 + A_2}\right)\left(\frac{A_2}{A_1 + A_2}\right) + BF_{2(A_2)} \times \left(\frac{Q \quad A_2}{A_1 + A_2}\right)\left(\frac{A_1}{A_1 + A_2}\right) \qquad \textbf{Equation 3.4.4}$$

$$Q = Q_{A_1+A_2}$$

Where:
- Q = Clear or burned discharge in cfs
- Q_B = Bulked or burned and bulked discharge in cfs
- $BF_{i(Ai)}$ = Bulking factor based on area A_i
- A_i = Drainage area in mi^2
- A_u = Total undeveloped area in mi^2
- A_d = Total developed area in mi^2

Bulk Flow Rate

Subarea Description	1A	3A**	Total
DPA Zone	4	4	-
$Q_{50\ (cfs)}$	23.5	12.1	-
Q_{50b} (cfs)	26.1	12.1	-
Bulk Factor, BF	1.670 *	1.670 *	-
Ai (ac)	6.75	3.57	-
Au (ac)	6.42	0.00	-
Ad (ac)	0.33	3.57	-
Q_{BB} (cfs)	26.1	12.1	***38.26***

*** Sedimentation Manual - Appendix B: Peak Bulking Factor Curves.**

**** Developed Area- Not Subject to Burn and Bulk.**

Appendix I:

Stormwater Quality Design BMP

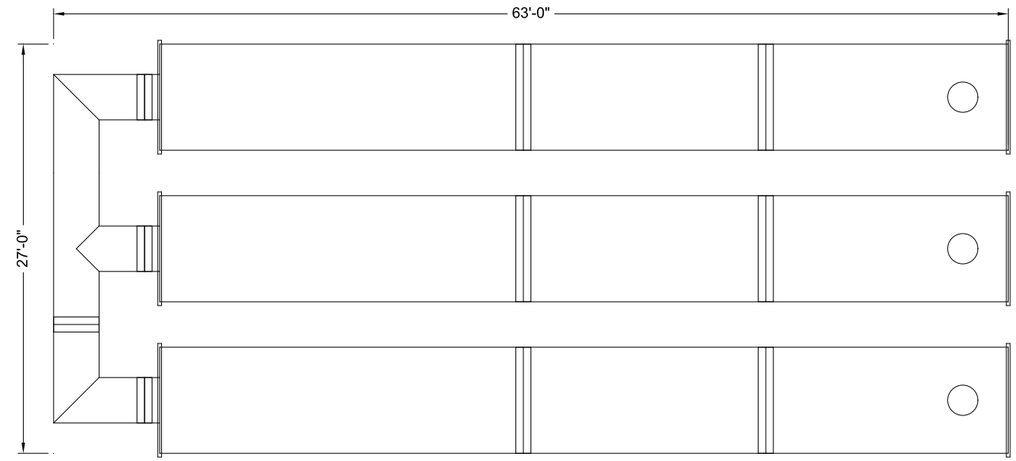
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = H20
- APPROX. LINEAR FOOTAGE = 200 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 6,384.983,931,598,338 CF
- PIPE STORAGE VOLUME = 6,481 CF
- BACKFILL STORAGE VOLUME = 0 CF
- TOTAL STORAGE PROVIDED = 6,481 CF

PIPE DETAILS
- DIAMETER = 84"
- JOINT TYPE = Soil Tight
- ALL RISERS TO HAVE REINFORCEMENT COLLAR
- WALL TYPE = SOLID
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 0"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 0"



NOTE:
THESE DRAWINGS ARE FOR CONCEPTUAL PURPOSES AND DO NOT REFLECT ANY LOCAL PREFERENCES OR REGULATIONS. PLEASE CONTACT YOUR LOCAL CONTECH REP FOR MODIFICATIONS.

NOTES

- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE.
- ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL RISERS AND STUBS ARE FABRICATED USING HDPE DR32.5 & M294 PIPE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT WILL HAVE TO BE REQUESTED BY THE REVIEWER/APPROVAL AUTHORITY PRIOR TO FABRICATION.

ASSEMBLY
SCALE: 1" = 10'

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800-338-1122 513-645-7000 513-645-7993 FAX

DuroMaxx® STEEL REINFORCED PE TECHNOLOGY

CONTECH **DYODS** DRAWING

DYO28355 Kia
SWQDv
Calabasas, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
18982	28355	3/13/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: D1		

NOTES:

1. ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD (E.O.R.) OR OWNER DURING DESIGN & CONTRACT PHASE OF PROJECT. IF ELEVATIONS AND DESIGN INFORMATION IS NOT PROVIDED BY E.O.R. OR OWNER, THE PROJECT CANNOT BE RELEASED FOR FABRICATION.
2. THIS PROJECT IS FOR DUROMAXX DIAMETER DESCRIBED IN PROJECT SUMMARY.
3. DESIGN SERVICE LIFE OF TANK IS TO BE SPECIFIED BY E.O.R. OR OWNER DURING DESIGN PHASE OF PROJECT, AND WILL BE REVIEWED BY MANUFACTURER.
4. ANY TESTING OF THE TANK WILL NEED TO BE SPECIFIED BY E.O.R. OR OWNER DURING DESIGN PHASE OF PROJECT.
5. ALL WATER TABLE ELEVATIONS ARE TO BE ACCURATELY PROVIDED BY E.O.R. OR OWNER PRIOR TO CONTRACT/FINAL DESIGN PHASE OF PROJECT.
6. TOTAL HEIGHT OF COVER AND DEPTHS OF THE TYPE OF PAVEMENT TO BE USED ARE TO BE PROVIDED BY E.O.R. OR OWNER DURING PROPOSAL & CONTRACT PHASES.
7. INTERNAL OPERATIONAL DESIGN PRESSURES (IF ANY) ARE TO BE PROVIDED BY E.O.R. OR OWNER TO THE MANUFACTURER DURING INITIAL DESIGN PHASE TO PROVIDE PROPER DESIGN OF THE TANK. (_____ DESIGN PRESSURE)
8. DESIGN INFORMATION FOR SURGE PRESSURES THAT CAN BE SEEN DURING OPERATION OF THE SYSTEM AS REQUIRED BY E.O.R. OR OWNER WILL ALSO NEED TO BE PROVIDED DURING DESIGN PHASE OF THE PROJECT.
9. DESIGN INFORMATION AS TO WATER TEMPERATURE (IF ABOVE NORMAL EFFLUENT TEMPERATURES) WILL NEED TO BE PROVIDED BY E.O.R. OR OWNER DURING DESIGN PHASE OF PROJECT.
10. IF INLET OR OUTLET PIPES NEED TO HAVE GREATER THAN 4PSI JOINTS FOR FIELD PIPE CONNECTIONS, THE USE OF FLANGED ADAPTERS WILL NEED TO BE SPECIFIED BY E.O.R. OR OWNER DURING DESIGN PHASE OF PROJECT.
11. ALL TANK LATERALS (PIPE STUBS), RISERS & VENTS ARE CONSTRUCTED USING HDPE M294, DR32.5 & DR17 UNLESS OTHERWISE NOTED.
12. ALL PIPE DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCES.
13. SYSTEM IS DESIGNED FOR H20 AND H25 LOADING.
14. CONSIDERATIONS FOR CONSTRUCTION EQUIPMENT LOADS MUST BE TAKEN INTO ACCOUNT. SEE DETAIL ON THIS PAGE.

SCOPE

THIS SPECIFICATION DESCRIBES DUROMAXX PIPE FOR USE IN MULTIPLE APPLICATIONS IN 30" (750 MM) THROUGH 120" (3000 MM) NOMINAL DIAMETERS.

DESCRIPTION

DUROMAXX IS A REINFORCED POLYETHYLENE PIPE WITH A SMOOTH WATERWAY WALL AND EXTERIOR PROFILE THAT IS REINFORCED WITH HIGH STRENGTH GALVANIZED STEEL RIBS. THE CONTINUOUS REINFORCING RIBS ARE COMPLETELY ENCASED WITHIN THE POLYETHYLENE PROFILE. DUROMAXX IS MANUFACTURED USING A HELICAL WINDING PROCESS THAT RESULTS IN A CONTINUOUSLY FUSION WELDED CIRCUMFERENTIAL LAP SEAM. THE PIPE PROFILE IS MANUFACTURED USING A HIGH QUALITY PRESSURE-RATED THERMOPLASTIC MEETING THE REQUIREMENTS OF ASTM F2562 “STANDARD SPECIFICATION FOR STEEL REINFORCED THERMOPLASTIC RIBBED PIPE AND FITTINGS FOR NON-PRESSURE DRAINAGE AND SEWERAGE”. FOR THE PURPOSE OF HYDRAULIC DESIGN, THE RECOMMENDED MANNING'S "N" VALUE SHALL BE 0.012 FOR PIPE DIAMETERS INCLUDED WITHIN THIS SPECIFICATION. PIPE LENGTH & ALL DIMENSIONS SHOWN ARE SUBJECT TO MANUFACTURERS TOLERANCES OF ±1% ACCORDING TO ASTM F2562.

MATERIAL PROPERTIES

VIRGIN HIGH DENSITY POLYETHYLENE PRESSURE-RATED RESINS ARE USED TO MANUFACTURE DUROMAXX PIPE. RESINS SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF CELL CLASSIFICATION 345464 C AS DEFINED AND DESCRIBED IN THE LATEST VERSION OF ASTM D3350 “STANDARD SPECIFICATION FOR POLYETHYLENE PLASTICS PIPE AND FITTINGS MATERIALS”.

FITTINGS

ALL FITTINGS SHALL BE FABRICATED FROM DUROMAXX PIPE. ANY FITTINGS 30"Ø AND BELOW WILL BE HDPE PIPE.

ALL FABRICATION OF THE PRODUCT SHALL OCCUR WITHIN THE UNITED STATES.

INSTALLATION SPECIFICATION

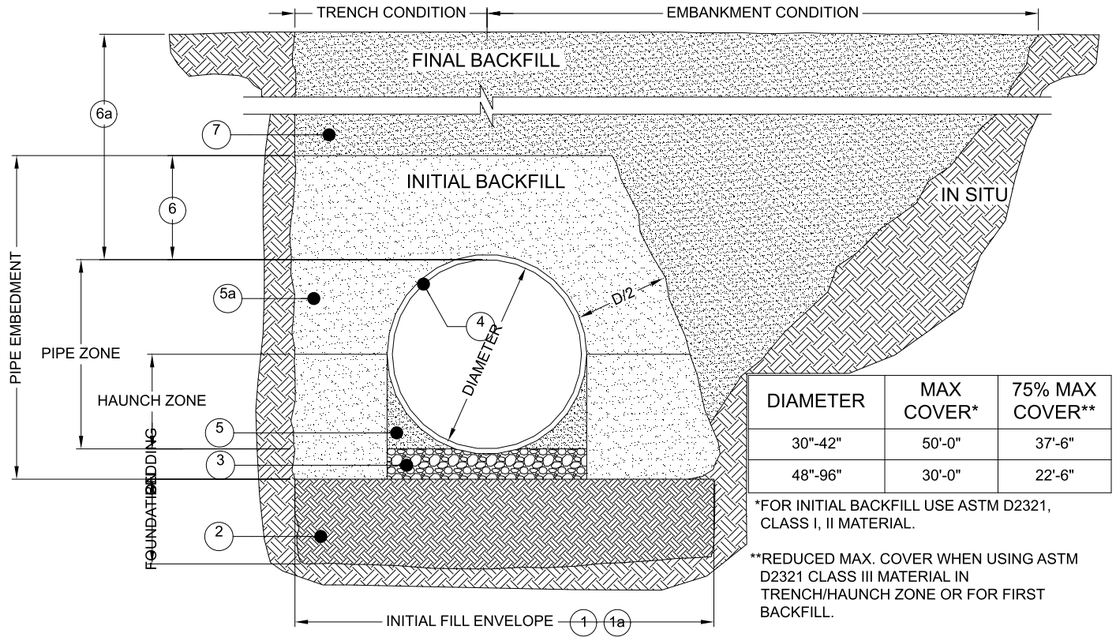
PRE-CONSTRUCTION MEETING

PRIOR TO INSTALLATION OF THE DRAINAGE SYSTEM A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED. THOSE REQUIRED TO ATTEND ARE THE SUPPLIER OF THE DRAINAGE SYSTEM, THE GENERAL CONTRACTOR, SUB CONTRACTORS AND THE ENGINEER.

INSTALLATION OF PIPE:

IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND/OR PROJECT ENGINEER TO ENSURE THAT ALL QUESTIONS ABOUT INSTALLATION ARE ADDRESSED PRIOR TO APPROVAL OF SYSTEM. ALL DETAILS FOR INSTALLATION ARE LOCATED IN THIS DRAWING PACKAGE ANY QUESTIONS CONCERNING THESE STANDARD DETAILS CAN BE ADDRESSED BY YOUR CONTECH REPRESENTATIVE PRIOR TO APPROVAL.

BACKFILL SHALL BE PLACED TO THE PROPER ELEVATION OVER THE SYSTEM AS OUTLINED IN THE PLANS. MINIMUM COVER FOR CONSTRUCTION LOADING NEEDS TO BE DETERMINED BASED ON THE TYPE OF EQUIPMENT THAT IS PLANNED FOR CONSTRUCTION. PROPER COVER FOR CONSTRUCTION EQUIPMENT IS DETAILED IN THE CONSTRUCTION LOADING DIAGRAM LOCATED ON THIS PAGE.



DIAMETER	MAX COVER*	75% MAX COVER**
30"-42"	50'-0"	37'-6"
48"-96"	30'-0"	22'-6"

*FOR INITIAL BACKFILL USE ASTM D2321, CLASS I, II MATERIAL.

**REDUCED MAX. COVER WHEN USING ASTM D2321 CLASS III MATERIAL IN TRENCH/HAUNCH ZONE OR FOR FIRST BACKFILL.

1. MINIMUM TRENCH WIDTH MUST ALLOW ROOM FOR PROPER COMPACTION OF HAUNCH MATERIALS UNDER PIPE. MIN. WIDTH = (1.25 x DIAMETER) + 12" (FOLLOW ASTM D2321)

1a. MINIMUM EMBANKMENT WIDTH IS 3 PIPE DIAMETERS BUT NO LESS THAN 2' OUTSIDE OF SPRINGLINE.

2. FOUNDATION SHALL BE WELL CONSOLIDATED & STABLE.

3. ENGINEER TO DETERMINE IF BEDDING IS REQUIRED. BEDDING MATERIAL SHALL BE A RELATIVELY LOOSE MATERIAL THAT IS ROUGHLY SHAPED TO FIT THE BOTTOM OF THE PIPE, 4" TO 6" IN DEPTH.

4. DUROMAXX STEEL REINFORCED (SRPE) PIPE.

5. HAUNCH ZONE MATERIAL SHALL BE HAND SHOVELED OR SHOVEL SLICED INTO PLACE TO ALLOW FOR PROPER COMPACTION.

5a. INITIAL BACKFILL FOR PIPE EMBEDMENT MATERIAL TO MEET ASTM D2321 CLASS I, II, III OR APPROVED EQUAL, COMPACTED TO 90% STANDARD PROCTOR (NATIVE MATERIAL CAN BE UTILIZED THAT MEETS ASTM D2321 OR APPROVED EQUAL).

- ALL LIFTS PLACED IN CONTROLLED MANNER. TO PREVENT UNEVEN LOADING, IT IS RECOMMENDED THAT LIFTS NOT EXCEED 8" UNCOMPACTED LIFT HEIGHTS.

6. INITIAL BACKFILL ABOVE PIPE MAY INCLUDE ROAD BASE MATERIAL AND RIGID PAVEMENT (IF APPLICABLE), MINIMUM COVER STILL APPLIES, OTHERWISE:
6" MINIMUM FOR PIPE DIAMETERS 30" - 60"
12" MINIMUM FOR PIPE DIAMETERS 66" - 96"

6a. HEIGHT OF COMPACTED COVER PER DIAMETER FOR CONVENTIONAL HIGHWAY LOADS (DISTANCE MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TOP OF RIGID PAVEMENT):
12" MINIMUM FOR PIPE DIAMETERS 30" - 60"
18" MINIMUM FOR PIPE DIAMETER 66" - 72"
24" MINIMUM FOR PIPE DIAMETERS 84" - 96"

7. FINAL BACKFILL MATERIAL SELECTION AND COMPACTION REQUIREMENTS PER THE PROJECT PLANS, SPECIFICATIONS. ENGINEER OF RECORD.

NOTES:

- ENGINEER TO DETERMINE IF GEOTEXTILE SHOULD BE USED TO PREVENT SOIL MIGRATION.
- FOR MULTIPLE BARREL INSTALLATION THE RECOMMENDED STANDARD SPACING BETWEEN PARALLEL PIPE RUNS SHALL BE = PIPE DIA./2 OR 3' FOR PIPE DIAMETERS 72" AND LARGER. CONTACT YOUR CONTECH REPRESENTATIVE FOR NONSTANDARD SPACING.
- BACKFILL REQUIREMENTS SHALL FOLLOW ASTM D2321. IN THE EVENT OF DISCREPANCIES, ASTM D2321 SHALL SUPERCEDE THIS DETAIL.

INSTALLATION/BACKFILL DETAIL

NOT TO SCALE

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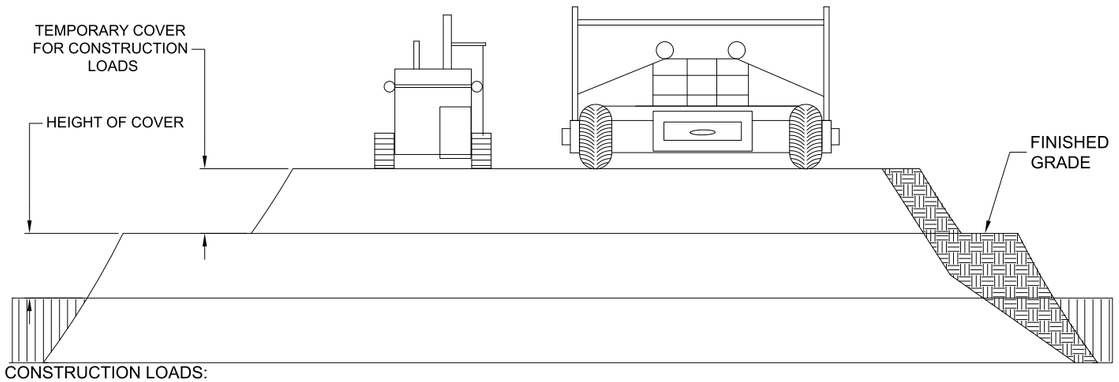
DuroMaxx STEEL REINFORCED PE TECHNOLOGY

CONTECH
DYODS
DRAWING

DYO28355 Kia
SWQDv
Calabasas, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
18982	28355	3/13/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: D2		

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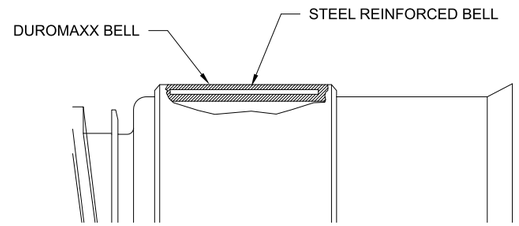
CONSTRUCTION LOADS:
FOR TEMPORARY CONSTRUCTION VEHICLE LOADS, AN EXTRA AMOUNT OF COMPACTED COVER MAY BE REQUIRED OVER THE TOP OF THE PIPE. THE HEIGHT-OF-COVER SHALL MEET THE MINIMUM REQUIREMENTS SHOWN IN THE TABLE BELOW. THE USE OF HEAVY CONSTRUCTION EQUIPMENT NECESSITATES GREATER PROTECTION FOR THE PIPE THAN FINISHED GRADE COVER MINIMUMS FOR NORMAL HIGHWAY TRAFFIC.

DIAMETERS	AXLE LOADS (kips)			
	18-50	50-75	75-110	110-150
	MINIMUM COVER (FT)			
12"-42"	2.0	2.5	3.0	3.0
48"-72"	3.0	3.5	3.5	4.0
84"-96"	3.0	3.5	4.0	4.5
108"-120"	3.5	4.0	4.5	5.0

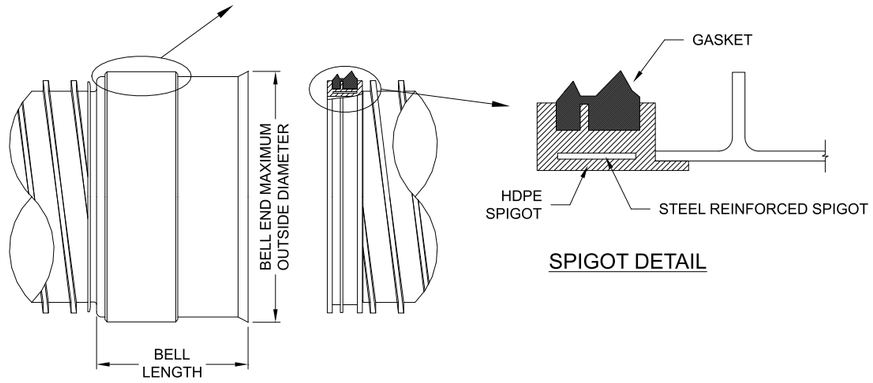
MINIMUM COVER MAY VARY, DEPENDING ON LOCAL CONDITIONS. THE CONTRACTOR MUST PROVIDE THE ADDITIONAL COVER REQUIRED TO AVOID DAMAGE TO THE PIPE. MINIMUM COVER IS MEASURED FROM THE TOP OF THE PIPE TO THE TOP OF THE **MAINTAINED CONSTRUCTION ROADWAY SURFACE.*

CONSTRUCTION LOADING DIAGRAM

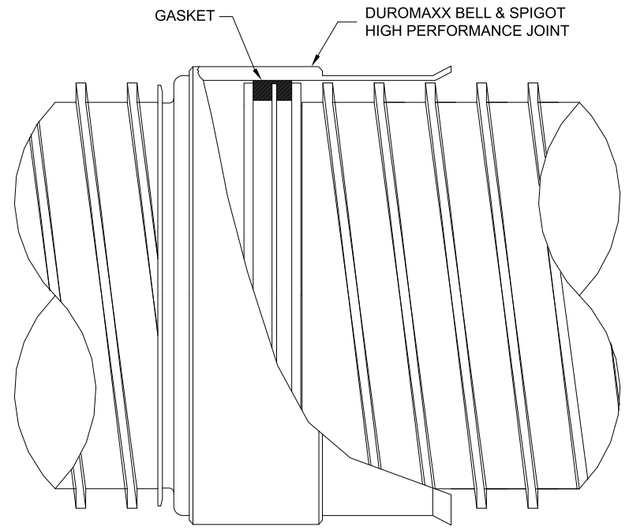
N.T.S



BELL DETAIL



SPIGOT DETAIL



NOMINAL PIPE DIA. (in)	BELL O.D. (in)	BELL LENGTH (in)-MAX
30	34.0	8.90
36	39.9	8.90
42	45.8	8.90
48	52.3	8.90
54	58.2	8.90
60	64.1	8.90
66	71.6	11.15
72	77.6	11.15
ABOVE JOINTS ARE 10.8 psi		
84	88.9	11.15
84" BELL & SPIGOT (SOIL TIGHT ONLY)		

HIGH PERFORMANCE (HP) JOINT DETAIL

NOT TO SCALE

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18982	28355	3/13/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: D3		

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GEOTECHNICAL PROFESSIONALS INC.

GEOTECHNICAL INVESTIGATION
PROPOSED KIA DEALERSHIP DEVELOPMENT
24460 CALABASAS ROAD
CALABASAS, CALIFORNIA

Prepared for:
Hello Auto Group
c/o Integrity Design & Construction Services
P.O. Box 1171
Solana Beach, California 92075

Prepared by:
Geotechnical Professionals Inc.
5736 Corporate Avenue
Cypress, California 90630
(714) 220-2211

Project No. 3162.I

December 16, 2022

GEOTECHNICAL PROFESSIONALS INC.

December 16, 2022

Hello Auto Group
c/o Integrity Design & Construction Services
PO Box 1171
Solana Beach, CA 92075

Attention: Jody Stout (jstout@integritydcs.com)

Subject: Report of Geotechnical Investigation
Proposed Kia Dealership Development
24460 Calabasas Road, Calabasas, California
GPI Project No. 3162.I

Dear Jody:

Transmitted herewith is an electronic copy of our geotechnical investigation report for the subject project. The report presents our evaluation of the foundation conditions at the site and recommendations for design and construction. This report will need to be submitted by you or your representative to the City for review and approval.

We appreciate the opportunity of offering our services on this project and look forward to seeing the project through its successful completion. Feel free to call us if you have questions regarding our report or need further assistance.

Very truly yours,
Geotechnical Professionals Inc.

Patrick I.F. McGervey, G.E.
Project Engineer
(patrickm@gpi-ca.com)

Paul R. Schade, G.E.
Principal
(pauls@gpi-ca.com)

cc: Christina Estrella, Integrity DCS (cestrella@integritydcs.com)
Patrick Wirz/Byung Wan Kim, AHT Architects (pwirz and bkim@ahtarchitects.com)

5736 Corporate Avenue • Cypress, CA 90630 • (714) 220-2211 , FAX (714) 220-2122

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1.0 INTRODUCTION

1.1 GENERAL

This report presents the results of a geotechnical investigation performed by Geotechnical Professionals Inc. (GPI) for the proposed Kia Dealership in Calabasas, California. The geographical location of the site is shown on the Site Location Map, Figure 1.

1.2 PROPOSED DEVELOPMENT

The proposed development will consist of a new dealership development located at the south side of Calabasas Road, west of Parkway Calabasas. Based on our review of the provided conceptual plans by AHT Architects, the proposed development consists of a 2-story dealership building with rooftop parking, including showroom, offices, service department, and parking. The building footprint is approximately 18,375 square feet and will be founded at about the existing grade (Elevation 1080 feet) on the north end and extending to a depth of about 18 feet below grade on the south end.

Based on limited information provided, the maximum column and wall loads for the proposed structure are anticipated to be on the order of 400 kips and 12 kips per lineal foot, respectively.

The recommendations given in this report are based upon preliminary structural and grading information. We should be notified if the actual loads and/or grade changes are known to either confirm or modify our recommendations.

1.3 PURPOSE OF INVESTIGATION

The purpose of this investigation and report is to provide an evaluation of the existing geotechnical conditions at the site, as they relate to the design and construction of the proposed development. More specifically, this investigation was aimed at providing geotechnical recommendations for earthwork and design of foundations, retaining structures, and pavements.

1.4 PRIOR NEARBY GEOTECHNICAL INVESTIGATIONS

We performed a geotechnical investigation for a previously planned automobile dealership at the site and presented the results in a report dated July 6, 2016 (GPI, 2016). Our prior investigation included borings (B-1 to B-9), test pits (TP-1 to TP-6), and geologic mapping across the site. Two of the borings (B-1 and B-2) were drilled near the footprint of the currently planned dealership building with the remainder of the explorations performed to the south of the proposed building. We have incorporated our prior data and findings into this report.

Additionally, we requested the available on-site and nearby prior geotechnical investigations from the City of Calabasas. The City did not have records of prior on-site geotechnical studies but did provide copies of the prior geotechnical reports for nearby sites, which we reviewed as part of our investigation. These reports are included in the list of references herein.

2.0 SCOPE OF WORK

Our scope of work for this investigation consisted of review of available documentation, field exploration, laboratory testing, geologic and engineering analysis, and the preparation of this report.

The field exploration for this report consisted of two exploratory borings (B-101 and B-102). We have also included the field explorations from our previous investigation onsite which included nine exploratory borings and six test pits. The locations of the subsurface explorations are presented on the Site Plan, Figure 2.

The borings were drilled using predominately hollow-stem auger borings to depths ranging between 20 to 51 feet below existing grades. Two of the borings were drilled as part of our previous investigation using bucket auger equipment to depths of about 18 to 49 feet below existing grades. The larger diameter bucket auger borings were downhole logged by our Certified Engineering Geologist. The test pits were excavated with a backhoe to depths of 5 to 16 feet below grade to expose the subsurface soils for observation and sampling. A description of field procedures and logs of borings and test pits are presented in Appendix A.

Two infiltration tests were performed as part of our previous investigation in 2016. Test wells were installed adjacent to Borings B-1 and B-2. The wells were installed to depths of about 10 feet below the existing grade. Infiltration testing was performed in each well, with details of the testing presented herein, and test results presented in Tables 1.1 and 1.2, Borehole Infiltration Test Results.

Laboratory soil tests were performed on selected representative soil and bedrock samples as an aid in soil classification and to evaluate the engineering properties of the materials. The geotechnical laboratory testing program included determinations of moisture/density, shear strength (direct shear), compressibility (consolidation), expansion potential, compaction, gradation, R-value, and corrosion potential. Laboratory testing procedures and results are summarized in Appendix B.

R-value testing was performed by GeoLogic Associates, Inc. under subcontract to GPI. The test results are presented in Appendix B. Soil corrosivity testing was performed by HDR under subcontract to GPI. The results are provided in Appendix B of this report.

A geologic evaluation of the site was performed by our consulting Certified Engineering Geologist. The evaluation included downhole logging of two of our exploratory borings, observation during excavation of the test pits, surface mapping, and review of available published and unpublished data. The geologic-seismic evaluation is incorporated herein.

Engineering evaluations were performed to provide earthwork criteria, foundation, retaining structure, and slab design parameters, and assessments of seismic hazards. The results of our evaluations are presented in the remainder of this report.

3.0 SITE CONDITIONS

3.1 SURFACE CONDITIONS

The site is irregularly shaped and bounded by Calabasas Road and a separate lot to the north, an existing automobile dealership to the east, an ascending slope up to a street (Park Granada) to the south, and undeveloped land to the west. The site was formerly occupied by a commercial nursery, and several minor structures related to those operations are still present on the site. Also present on the site are both paved and unpaved access roads and numerous trees, including medium to very large oak trees.

The ground surface elevations within the area planned for development ranges from 1079 feet at the site entrance off Calabasas Road up to about Elevation 1110 feet at the southern edge of the planned development. The slope continues to ascend to the street above the planned development (Park Granada), to an elevation of about 1370 feet. The site topography is shown on the Site Plan, Figure 2, Site Geologic Plan, Figure 3, and Figure 4, Subsurface Cross Section.

The pavement observed during our fieldwork appeared to be in poor to fair condition. The existing pavement sections at our boring locations consisted of 2 to 5 inches of asphalt concrete over about 0 to 5 inches of aggregate base. The patio slab outside the former sales building at Boring B-1 consisted of 3 inches of portland cement concrete.

3.2 SUBSURFACE CONDITIONS

Our field explorations disclosed a subsurface profile generally consisting of undocumented fills overlying natural materials. Detailed descriptions of the materials encountered are shown on the Logs of Borings and Test Pits, Appendix A. The geologic conditions are also discussed in a following section.

Fill soils were encountered in some of our borings and test pits to depths of 1 to 10½ feet. The deeper fill soils were encountered in the lower elevations near Boring B-5 and Test Pit TP-2. The fill soils consisted predominantly of silty and sandy clays with varying amounts of shale fragments and caliche. The fill was not consistent with properly compacted fill in that densities were variable and moisture contents varied from slightly moist to very moist. Documentation regarding the placement and compaction of the fills was not available. The fill soils have a medium expansion potential and are anticipated to shrink and swell with changes in moisture content.

The natural materials encountered consisted of colluvium/alluvium over bedrock. The colluvium/alluvium extended to a depth of about 20 feet at the northern portion of the proposed building pad and about 6 to 10 feet on the southern end. The colluvium/alluvium consisted predominantly of sandy clay, silty clay, clayey silt, silt, and silty sand. These soils were generally stiff to very stiff and medium dense with relatively low densities and slightly porous in the upper 10 feet. Below 10 feet these materials were generally very stiff to hard. The moisture content of the soils ranged from slightly moist to wet. The underlying bedrock consisted of siltstone and sandstone that was found to be hard and dense to very dense (soil consistencies). The sandstone was found to generally be massive, poorly to moderately cemented, and contain infrequent layers of conglomerate. The siltstone was found to generally

be massive to moderately bedded. Further details regarding the bedrock materials encountered are presented in the following Site Geologic Conditions section of this report.

The natural soils and siltstone have a medium expansion potential and will shrink and swell with changes in moisture content. Select corrosivity testing indicates that the on-site soils are moderately corrosive to concrete (sulfate content) and reinforcing steel (chloride content). These results are consistent with the findings at nearby sites.

3.3 SITE GEOLOGIC CONDITIONS

The project site consists of an irregular-shaped parcel in moderate relief hillside terrain in the Calabasas area of Los Angeles County. The property is on the south side of an unnamed canyon, where the 101 Freeway and Calabasas Road have been constructed. The property consists of relatively small ridgelines and canyons that descend from a higher ridgeline to the south to the main drainage where the freeway is located.

Regional geologic maps (Dibblee, T.W. Jr., 1992, Geologic Map of the Calabasas Quadrangle) indicate that the site area is underlain by Tertiary age Sedimentary rocks typical of this portion of the Santa Monica Mountains. Specifically, the site is mapped as being underlain by bedrock of the Upper Topanga formation, generally dipping at moderate inclinations to the northwest and northeast near the crest and east limb of a northerly plunging anticline, as indicated on the attached Regional Geologic Map, Figure 3.

Our field investigation, which consisted of a total of eleven borings, six backhoe pits, and geologic mapping of available bedrock exposures in road cuts on the site, generally confirmed the bedrock geology of the site. Soil and geologic conditions determined by our field investigation, as well as the locations of exploratory excavations, are shown on Figure 3, and Subsurface Cross Section, Figures 4. Five of the borings were drilled utilizing a hollow stem auger in the canyon bottoms to determine the thickness and engineering characteristics of the surficial deposits overlying the bedrock. The surficial deposits were mapped as colluvium/alluvium undifferentiated and consisted primarily of silty and sandy clays. These deposits were typically 5 to 10 feet thick in the higher portions of the site and reached a maximum thickness of approximately 20 feet in the area near Calabasas Road in Boring B-1 and B101. Three backhoe test pits were also excavated in the canyon areas to further delineate the occurrence and depth of the surficial deposits.

Two of the borings were drilled utilizing a 24-inch diameter bucket or spiral auger to facilitate downhole logging to determine geologic structure in bedrock areas. Geologic structure determined by downhole logging was augmented by logging of three backhoe excavations and geologic mapping of bedrock exposures. As shown on the attached Site Geologic Map, bedding in the bedrock generally strikes nearly east-west and dips at moderate inclinations to the north, northeast, and northwest. In Boring B-7, the dip of bedding was observed to be steeper than in other areas, possibly influenced by east-west trending faults observed in Borings B-4 and B-9. As observed in the surface outcrops, borings and backhoe excavations, the Upper Topanga formation consisted of generally fine-grained, massive to vaguely bedded sandstone with infrequent conglomerate beds, and massive to thinly bedded siltstone.

The native soil and bedrock are overlain in limited areas with generally thin fill deposits placed during the previous use of the site as a nursery. The fills should be considered as uncompacted.

3.4 GROUNDWATER AND CAVING

Groundwater seepage was observed at depths of 34 feet in Boring B-6, 31 feet in Boring B-8, and 46 feet in Boring B-9, corresponding to elevations of about 1103 to 1108 feet. Groundwater was not encountered in the remainder of our field explorations, including the four borings performed within the currently proposed building area. The seepage was observed in the sandstone and appears to be perched on underlying siltstone or more cemented sandstone layers. The possibility exists that some minor seepage of groundwater may be encountered in the excavation and walls below grade planned for the southern portion of the proposed building that will extend into the bedrock. The local groundwater source is likely from irrigation practices above the site and from infiltration of rain runoff. The depth to groundwater and groundwater seepage can be expected to vary annually.

Caving was not encountered in our borings.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 GENERAL

Based on the results of our investigation, it is our opinion that, from a geotechnical viewpoint, it is feasible to develop the site as proposed, provided the recommendations contained herein are incorporated into the design and construction of the project.

Furthermore, in accordance with the County of Los Angeles Statement 111, it is our opinion that the project will be safe for its intended use against hazard from landslide, settlement, or slippage and the project will have no adverse effect on the stability of the site or adjoining properties.

The major geotechnical constraints related to the proposed construction are as follows:

- Based on the sloping ground surface, the finished floor of the proposed building will be at about the existing grade at the northern building limit and at about 18 feet below the existing grade at the southern building limit. Given the gradual descending slope of the bedrock surface towards the north, the southern portion of the finished building pad will be subterranean and extending into the undisturbed bedrock while the northern portion of the building will be underlain by up to about 20 feet of soil over the bedrock surface. Given the differing foundation depths and supporting materials, we recommend supporting the proposed building on a mat foundation underlain by properly compacted fill to mitigate the potential differential settlement.

- Undocumented and low-density fills are present at the site ranging from 1 to 10½ feet below existing grades, with the deepest fill encountered in the vicinity of our Borings B-2, B-102 and B-5 and Test Pit TP-2, which are located north of the planned building. These fills are not suitable for support of the proposed structures or floor slabs. We recommend that undocumented fills be removed and replaced as properly compacted fill within the building pad, where not removed by cut. The depths of removal and details regarding excavations are provided in the “Earthwork” section of this report.

- The upper natural soils immediately beneath the fill soils have variable strength and consolidation characteristics within the upper 10 feet of the ground surface. To provide uniform support for the planned building and avoid a soil/bedrock contact immediately beneath the mat foundation, the upper natural materials encountered at the completion of the fill removal or excavation for the subterranean portion of the building should be removed and replaced with properly compacted fills to provide uniform support for the mat foundation. The depths of removal and details regarding excavations are provided in the “Earthwork” section of this report.

- Foundations for retaining walls and minor structures such as screen walls or retaining walls less than 5 feet high may be supported on shallow foundations established in properly compacted fill or undisturbed natural soils. In-place undocumented fill soils should be removed in their entirety beneath the foundations. The depths of removal and details regarding excavations are provided in the “Earthwork” section of this report.

- Clays encountered at the site exhibit a medium expansion potential (expansion index of 54). To help mitigate the expansion potential, the clay soils should not be placed as compacted fill within 2 feet of pedestrian concrete hardscape subgrade. Building floor slabs will not be impacted because of the plans for a mat foundation. The soils placed to support pedestrian hardscape should consist of granular, non-expansive (E.I. of 20 or less) on-site or imported soils. Such materials were encountered within our explorations (sandstone and silty sands) but selective grading will be required to identify and stockpile these soils for use in capping these areas.

- As noted in the geologic assessment of the site, the bedrock encountered in our explorations was noted to be dipping to the northwest and northeast, which will create an adverse condition for north facing retaining walls and excavations for the southern subterranean portion (upslope) of the building. As such, the stability of excavations extending into the bedrock material is anticipated to be adversely affected by the potential for adverse bedding. We have provided recommendations herein to address the lateral earth pressures related to the adverse bedding, as well as earthwork accommodations to maintain stable excavations. We recommend that our Geologist be on-site during the excavation to confirm the actual subsurface conditions encountered.

- Groundwater seepage was encountered at depths of 31 to 46 feet below the existing grades in our explorations, corresponding to Elevations 1103 to 1108 feet. Because the planned building will be located in the lowest area of the site with a partial subterranean condition established at about Elevation 1080 feet, the groundwater should be accounted for in performing the required excavations and in the long-term performance of the subterranean portions of the structure.

- Based on our field testing, the on-site soils and bedrock do not appear to be conducive to infiltration. Tested infiltration rates in wells established at depths of about 10 feet near our Borings B-1 and B-2 were found to be 0 to 0.1 inch/hour.

4.2 SEISMIC CONSIDERATIONS

4.2.1 General

The site is in a seismically active area typical of Southern California and is likely to be subjected to strong ground shaking due to earthquakes on nearby faults.

We assume the seismic design of the proposed development will be in accordance with the California Building Code, 2022 edition. For the 2022 CBC, a Site Class C may be used.

4.2.2 Strong Ground Motion Potential

Based on published information (geohazards.usgs.gov), the most significant active faults in the proximity of the site are the Malibu Coast and Santa Monica faults, which are located about 7½ and 9½ miles from the site, respectively.

During the life of the project, the site will likely be subject to strong ground motions due to earthquakes on nearby faults. Based on the USGS website (earthquake.usgs.gov), we computed that the site could be subjected to a peak ground acceleration (PGA_M) of 0.79g for a mean magnitude 6.8 earthquake. This acceleration has been computed using the mapped

Maximum Considered Geometric Mean peak ground acceleration from the ASCE 7-16 (for 2022 CBC) and a site coefficient (F_{PGA}) based on Site Class. The predominant earthquake magnitude was determined using a 2-percent probability of exceedance in a 50-year period, or an average return period of 2,475 years. The structural design will need to incorporate measures to mitigate the effects of strong ground motion.

The corresponding seismic design parameters from the CBC are as follows:

2022 CBC:

S_S = 1.59g	$S_{MS} = F_a * S_S$ = 1.91g	$S_{DS} = 2/3 * S_{MS}$ = 1.27g
S_1 = 0.56g	$S_{M1} = F_V * S_1$ = 0.81g	$S_{D1} = 2/3 * S_{M1}$ = 0.54g

The above seismic code values should be confirmed by the Project Structural Engineer using the value above and the pertinent internet website and tables from the building code.

4.2.3 Potential for Ground Rupture

There are no known active faults crossing or projecting through the site. The site is not located in an Alquist-Priolo Earthquake Fault Zone. Therefore, ground rupture due to faulting is considered unlikely at this site.

4.2.4 Liquefaction

The site is not located within an area mapped by the State of California as having a potential for soil liquefaction (CGS, 1997). Groundwater seepage was encountered at depths of 31 to 46 feet in three of our recent explorations. The seepage was encountered in dense sandstone. Historical information is limited as the bedrock material underlying the site is not considered to be water bearing. Excluding the site vicinity from the potential liquefaction zone was based primarily on the suggestion that the bedrock materials have likely reached a state of consolidation that would preclude liquefaction based on their geologic age, and the colluvium/alluvium soils are well above the encountered groundwater.

Based on our evaluation, we conclude that the potential for liquefaction to adversely impact the planned project is very low. The potential seismic-induced liquefaction settlement will be less than ¼-inch.

4.2.5 Seismic Ground Subsidence

Seismic ground subsidence (not related to liquefaction induced settlements), occurs when loose, granular (sandy) soils above the groundwater are densified during strong earthquake shaking. Earthquake-induced seismic subsidence during a strong earthquake is not anticipated to adversely affect the planned project because of the planned subterranean construction and stiff to very stiff cohesive soils overlying the bedrock.

4.3 SLOPE AND WALL STABILITY

The site is located within a north-south trending canyon extending up from Calabasas Road to Park Granada. The dealership development is planned in the lower portion of the site where the north-south ground surface slopes gradually up to the south at an inclination of about 8:1 (h:v),

with localized slopes of up to 2:1. The area of the planned development was previously used as a commercial nursery, and much of the ground surface has been terraced and graded for access. The natural slopes at the site above the planned development are covered with moderate to heavy growth (brush and trees) and inclined at about 2¼:1 to 4:1.

The site is in an area designated as a hillside area by the County of Los Angeles (County of Los Angeles, 1990). The state (CGS, 1997) indicates that there are areas of potential earthquake-induced landslides in the vicinity of the site, but that the subject site is not within such a zone. There are no known landslides adjacent to the site, nor is the site within or in the path of known or potential landslides. The results of our site specific geotechnical and geologic investigation indicates that the on-site slopes are grossly stable.

4.3.1 Gross Stability

Based on our site reconnaissance and review of available data, there are no known landslides at the site or on immediately adjacent sites. Based on our geologic investigation, the material in the lower portions of the site consist of Upper Topanga sandstones and siltstones that were found to be predominantly massive to thinly bedded. Where measured, bedding in these deposits was generally to the northwest and northeast, which is generally adverse, but also predominantly at relatively flat inclinations (12 to 18 degrees to the horizontal). Steeper inclinations were encountered in our downhole logging of one boring (Boring B-7), but these inclinations were encountered in a siltstone layer within the upper 12 feet, which was underlain by a massive sandstone deposit. Bedding information is presented in Figure 3, with apparent bedding inclinations shown on Figure 4. Regional geologic mapping (Dibblee, 1992) indicates that the predominant bedding is to the north, but also indicates variable inclinations in the upper areas of the slopes at the site, including favorable inclinations dipping to the south. These conditions are presented on Figure 6.1 and 6.2, Regional Geologic Map and Cross Section.

Based on our findings, the natural slopes at the site are considered to be grossly stable, with the potential for slope instability to adversely affect the planned development to be low. The planned development will not require significant cuts to reach the planned finished grades except for the excavation required for the southern subterranean portion of the building, which will extend to about 20 feet in depth below the existing grades. Such excavations will expose both adverse and favorable bedding conditions. In general, we anticipate north facing cut slopes (southern building walls) to expose adverse bedding, with the predominant adverse bedding inclinations being relatively flat (12 to 18 degrees).

4.3.2 Surficial Stability

We did not observe evidence of surficial slope failure or debris flows during our geologic site reconnaissance or review of aerial photographs. We performed surficial stability analyses for the slopes that will remain above the planned development. We assumed that the in-place soils would be saturated with a failure surface extending parallel and 3 feet below the ground surface. Based on our analyses, the natural soils will have a factor of safety of at least 1.5 with respect to surficial stability. This finding corresponds to the conditions observed on-site.

4.3.3 Slope and Wall Stability Analyses

We used shear strength parameters in our slope stability analyses that were developed by testing saturated samples of the colluvium/alluvium and bedrock. We tested selected bedrock

samples by re-shearing the samples multiple times to simulate along bedding strengths. We also reviewed the along-bedding shear strength values published in State documents for similar bedrock materials. The shear strength values used in our analyses are presented in the following table:

Material Type	Unit Weight (pcf)	Friction Angle (degrees)	Cohesion (psf)
Siltstone (along Bedding)	120	20	300
Siltstone (across bedding)	120	25	350
Sandstone (massive)	120	37	350
Colluvium/Alluvium	120	22	175
Compacted Fill	120	25	250

Our analyses of the planned slopes and walls/shoring included evaluating the subsurface materials using both wedge-type and circular failure surfaces. Using the soil shear strengths values above, we modeled the bedrock as having along bedding shear strengths for failure surfaces dipping out of slope between 12 and 18 degrees for north-facing slopes (south facing retaining walls). We considered east- and west-facing cuts as exposing favorable bedding and across bedding shear strengths.

For determination of lateral earth pressures, we determined the stability of the planned cut, and then determined the required point load to provide a factor of safety of 1.5. We then converted the point load into an equivalent fluid pressure to determine an appropriate lateral earth pressure to use for the design of temporary shoring and permanent retaining walls. Lateral earth pressures are presented in the Retaining Structures and Shoring section of this report.

4.4 EARTHWORK

The earthwork anticipated at the project site will consist of clearing and grubbing, excavations, subgrade preparation, and the placement and compaction of fill.

4.4.1 Clearing and Grubbing

Prior to grading, the areas to be developed should be stripped of landscaping, cleared of demolition debris, old foundations, pavements, and utilities. Deleterious material generated during the clearing operation should be removed from the site. Where appropriate, existing underground utilities should be removed in their entirety and properly capped. Should cesspools or other buried obstructions be encountered in the building areas during construction, they should be removed in their entirety. The resulting excavations should be backfilled as recommended in the "Subgrade Preparation," “Material for Fill,” and "Placement and Compaction of Fill" sections of this report. As an alternative, cesspools can be backfilled with lean sand-cement slurry. At the conclusion of the clearing operations, a representative of GPI should observe and accept the site prior to any further grading.

4.4.2 Excavations

Excavation at the site will include removal of existing undocumented fill and low density/compressible natural soils in building and conventional retaining wall areas, excavation to finish subgrade, footing excavations, and trenching for utility lines.

Building Pad, Pavement, and Minor Structures

Prior to construction of the building supported on a mat foundation, existing undocumented fills and the upper natural soils in the proposed building areas should be removed and replaced as properly compacted fill when not removed by the planned cuts. Undocumented fills were encountered in our explorations in the lower portion of the site (Borings B-1, B-2, B-5, B-101, B-102, and Test Pit TP-2) to depths of up to 10½ feet below existing grades. The upper natural soils encountered in the lower portion of the site have variable strength and consolidation characteristics. As such, these soils are not considered to be suitable for direct support of the planned mat foundations and should be included in the required overexcavation within the building areas. For planning purposes, removals should extend to depths of 12 feet below the existing grade or 4 feet below the base of the mat foundation, whichever is deeper. The purpose of the removals beneath the base of the mat foundation in the subterranean portion of the building is to reduce the potential differential settlements across the soil/bedrock contact. In doing so, the required depth of excavation for the southern portion of the building will be increased beneath the mat to allow for compacted fill placement with the result being more uniform support for the mat foundation.

For planning purposes, removals for retaining walls taller than 5 feet should remove the in-place undocumented fill and extend to depths of at least 7 feet below the existing grade or 3 feet below the base of the wall footing, whichever is deeper. As an alternative, tall retaining walls footings can be established directly within the undisturbed bedrock if the entire wall footing will extend deep enough to extend at least 1 foot into the bedrock.

Removals for minor structures, such as retaining walls less than 5 feet high or screen walls, should extend at least 4 feet below the existing grade or 2 feet below the base of the foundations, whichever is deeper. In concrete pedestrian hardscape areas, removals should extend at least 2 feet below the planned finished subgrade to allow for the placement of relative non-expansive, granular soils. In pavement areas, removals should extend at least 1 foot below the existing grade or the finished subgrade, whichever is deeper.

The actual depths of removals will need to be determined during grading in the field by a representative of GPI.

Lateral Limits

The base of removals should extend laterally beyond the building line or edge of footings a minimum distance of 5 feet or the depth of overexcavation/compaction below foundations (i.e., a 1:1 projection below the bottom edge of the mat foundation or footing), whichever is greater. For the northern portion of the building where relatively deep removals are anticipated, the lateral limits of the base of the removals will be governed by the 1:1 projection below the edge of the mat. Building lines include canopies, loading docks, and other foundation supported improvements. The lateral limits of removals should be confirmed and certified by the project surveyor. GPI does not practice surveying; therefore, we cannot confirm lines, grades, or limits of earthwork.

Existing Utilities

Where not removed by the aforementioned excavations, existing utility trench backfill should be removed and replaced as properly compacted fill within the building pad. The limits of removal should be confirmed in the field. We recommend known utilities be shown on the grading plan.

Caving Potential and Cuts

Temporary construction excavations may be made vertically without shoring to a depth of 5 feet below adjacent grade. The inclination required for deeper excavations will be dependent on the direction of the cut relative to the direction of bedding of the siltstone. We recommend deeper cuts be properly shored or inclined as follows:

- Within the alluvium/colluvium soils, cuts up to 9 feet can be made at an inclination of ¾:1 (horizontal to vertical), cuts up to 14 feet sloped back to at least 1:1, and cuts up to 19 feet sloped back to 1½:1 or flatter.

- For east- or west-facing cuts in the bedrock materials, cuts up to 16 feet within the existing bedrock may be inclined at ¾:1, cuts up to 24 feet may be inclined at 1:1, and cuts up to 32 feet may be inclined at 1¼:1. Our Geologist should observe the excavations as they proceed to confirm favorable bedding conditions and the absence of potentially adverse shears in the bedrock.

- For north-facing cuts in the bedrock materials, cuts up to 10 feet within the existing bedrock may be inclined at 1:1, cuts up to 16 feet may be inclined at 1¼:1, and cuts up to 27 feet may be inclined at 1½:1 or flatter. Our Geologist should observe the excavations as they proceed to confirm the bedding conditions exposed are consistent with our initial findings. Flatter slope inclinations may be required based on the conditions exposed.

Surcharge loads should not be permitted within a horizontal distance equal to the height of cut from the top of the excavation or 5 feet from the top of the slopes, whichever is greater, unless the cut is properly shored. Excavations that extend below an imaginary plane inclined at 45 degrees below the edge of an adjacent existing building or settlement sensitive structure should be properly shored to maintain support of such adjacent elements. Excavations and shoring systems should meet the minimum requirements given in the most current State of California Occupational Safety and Health Standards.

Details regarding slope related cuts and fills are presented on Figure 7, Slope Buttress or Replacement Fill Detail, Figure 8, Benching Detail, and Figure 9, Side Hill Cut Pad Detail. Buttress fills should include a subdrain as outlined in the details.

Slot Cuts

Where space is not available for open cuts of deeper removals along property lines and adjacent to existing improvements, shoring or slot cuts will be required. Recommendations for shoring are provided in the “Retaining Structures and Shoring” section of the report. Removals that will undermine existing adjacent pavements or hardscape may utilize “ABC” slot cuts to depths not greater than 12 feet. “ABC” slot cuts adjacent to the public right-of-way where traffic loads will be present should account for a live-load traffic surcharge. Slot cut recommendations

for unsurcharged and surcharged conditions are provided below:

- Unsurcharged slots up to 8 feet in height should not be wider than 8 feet.
- Unsurcharged slots up to 12 feet in height should not be wider than 6 feet.
- Surcharged slots (subject to 250 psf traffic loads) up to 8 feet in height should not be wider than 6 feet.
- Surcharged slots (subject to 250 psf traffic loads) up to 12 feet in height should not be wider than 4 feet.

The slot cuts should be backfilled immediately to finished grade prior to excavation of the adjacent four slots (two on each side of the excavated slot). Although not anticipated, the allowable width of the slots adjacent to existing structures that will surcharge the excavation can be provided when additional details of the surcharge loads are provided. A test slot should be performed prior to production slots to confirm the stability of the planned cuts.

Rippability

Based on our site-specific explorations, we anticipate that the on-site materials can generally be excavated using conventional grading equipment. We did encounter localized hard, cemented layers in some of our borings in the upper portion of the site, but these materials were outside of the proposed limits of the new building and parking areas. If plans change to include the southern portion of the overall site, these materials will likely require special excavation equipment and processes, such as heavy ripping, and should be considered high cost/low production material to excavate.

4.4.3 Subgrade Preparation

Prior to placing fills, the subgrade should be scarified to a depth of 12 inches, moisture-conditioned, and compacted to at least 90 percent (95 percent for granular soils) of the maximum dry density in accordance with ASTM D1557 and to a firm and unyielding condition.

Localized areas of very moist soils (4 to 8 percent above the optimum moisture content) were encountered within the near surface soils in our Borings B-1, B-5, B-101 and B-102. Such materials are anticipated to yield under heavy rubber-tired equipment and will likely require stabilization to support compaction efforts. For planning purposes, we anticipate about one-third of the exposed subgrade areas in the planned pavement areas in the lower site elevations will require stabilization. Such measures may consist of mechanically drying the wet soils and compacting using steel-wheel or track equipment, or the placement of 12 inches of crushed miscellaneous base prior to construction of the planned pavement section or placement of compacted fill soils. A thicker layer of aggregate base or placement of a suitable geogrid material may be required if the exposed subgrade is disturbed to the point of yielding (i.e. “pumping”). Where wet soils are encountered, subgrade processing will be evaluated in the field by GPI.

4.4.4 Material for Fill

In general, the on-site soils are suitable for use as compacted fill. However, the on-site clays should not be used as retaining wall backfill or within the upper 2 feet of concrete pedestrian hardscape areas. Additionally, drying and mixing of the on-site materials will be required to

obtain near optimum moisture conditions prior to placement and compaction. Given the clayey nature of the soils and presence of siltstone and cemented sandstone, processing times will likely take longer than would with more granular soils. In addition, grading during the rainy season will likely result in more challenges with moisture conditioning the on-site soils.

Provided it is acceptable to the reviewing governmental agencies and owner, crushed, inert demolition debris, such as concrete and asphalt, may be used in fills provided it is crushed to a well graded mixture with maximum particle size of 1½ inches and blended with the on-site soils.

Imported fill material should be predominately granular (contain less than 40 percent fines-portion passing the No. 200 sieve) and non-expansive (an Expansion Index of 20 or less). The import soils should contain sufficient fines/binder to be stable in open excavations, as well as be able to support construction equipment without rutting. GPI should be provided with a sample (at least 50 pounds) and notified of the location of soils proposed for import at least 72 hours in advance of importing. Each proposed import source should be sampled, tested and accepted for use prior to delivery of the soils to the site. Soils imported prior to acceptance by GPI may be rejected if not suitable.

Both imported and existing on-site soils to be used as fill should be free of deleterious debris and particles larger than 6 inches in diameter. Within the footing depths for the building pad and retaining walls, soil particles should be 3 inches in diameter or less, precluding the placement of cobble-sized particles.

In backfill areas where mechanical compaction of soil backfill is impractical due to space constraints, sand-cement slurry may be substituted for compacted backfill. The slurry should contain two sacks of cement per cubic yard and have a maximum slump of 5 inches.

If open-graded rock is used as backfill, the material should be placed in lifts and mechanically densified. Open-graded rock should be separated from the on-site soils by a suitable filter fabric (Mirafi 140N or equivalent).

4.4.5 Placement and Compaction of Fills

Fill soils should be placed in horizontal lifts, moisture-conditioned, and mechanically compacted to at least 90 percent (siltstone, silts and clays) of the maximum dry density (ASTM D1557). Fills placed at depths greater than 10 feet below finished grades should be compacted to at least 92 percent of the maximum dry density. Additionally, granular soils (sandstone, sands, silty sands, and clayey sands) should be compacted to at least 95 percent. The optimum lift thickness will depend on the compaction equipment used and can best be determined in the field. The following uncompacted lift thickness can be used as preliminary guidelines.

Plate compactors, track equipment	4-6 inches
Small vibratory or static rollers	6-8 inches
Scrapers, heavy loaders, large vibratory rollers	8-12 inches

The maximum lift thickness should not be greater than 12 inches. Each lift should be thoroughly compacted and accepted prior to placement of the next lift of fill.

The moisture content of the clayey fill materials should be within 2 to 4 percent over the optimum moisture content (pumping imminent) to readily achieve the required degree of compaction and reduce the potential for moisture related swell or subsidence. For the sandy fill materials, the moisture content should be within 0 to 2 percent over the optimum moisture content. The moisture content of existing near surface soils, in general, is variable and will require both drying and moistening prior to compaction. Earthwork contractors should include moisture conditioning of the existing soils prior to recompaction in the bids.

During backfill of excavations, the fill should be properly benched into the construction slopes as it is placed in lifts.

4.4.6 Shrinkage and Subsidence

Shrinkage is the loss of soil volume caused by compaction of fills to a higher density than before grading. Subsidence is the settlement of in-place subgrade soils caused by loads generated by large earthmoving equipment. For earthwork volume estimating purposes, an average shrinkage value of 20 to 25 percent and subsidence of 0.1 feet may be assumed for the existing fill and colluvium/alluvium soils. Significant shrinkage or subsidence is not anticipated for the bedrock materials. These values are estimates only and exclude losses due to removal of vegetation, debris, or existing underground structures. Actual shrinkage and subsidence will depend on the types of earthmoving equipment used and should be determined during grading.

4.4.7 Trench and Retaining Wall Backfills

Utility trench and wall backfill should be mechanically compacted in lifts. Wall backfill should consist of the on-site or imported silty sands or sands. As detailed previously, some moisture conditioning of the on-site soils should be anticipated prior to replacement as trench backfill. Lift thickness should not exceed those values given in the "Compacted Fill" section of this report. Jetting or flooding of backfill materials should not be permitted. A representative of GPI should observe and test trench and wall backfill as they are placed.

4.4.8 Observation and Testing

A representative of GPI should observe excavations, subgrade preparation and fill placement activities. Sufficient in-place field density tests should be performed during fill placement to evaluate the overall compaction of the soils. Soils that do not meet minimum compaction requirements should be reworked and tested prior to placement of additional fill.

Our geologist should observe the conditions exposed during the mass excavation. If conditions are different than expected, alternate recommendations, based on the actual conditions encountered, may be required.

4.5 FOUNDATIONS

4.5.1 General

Because the proposed building will be partially subterranean and extending into the bedrock in the southern subterranean portion while being underlain by up to about 20 feet of properly compacted fill in the northern at-grade portion, we evaluated several foundation alternatives.

Included in these alternatives was the use of deep foundations or ground improvement methods such as rammed aggregate piers for the northern at-grade portion, or performing remedial grading and supporting the building on a more uniform mat foundation across both the northern and southern portions. As a result of our evaluation, we recommend performing the remedial earthwork (overexcavation and recompaction of the undocumented fill and a portion of the natural soils and bedrock) outlined previously in the Earthwork section of the report and supporting the building on a mat foundation.

Retaining walls and minor structures may be supported on conventional isolated and/or continuous shallow footings, provided the subsurface soils are prepared in accordance with the recommendations given in this report.

New footings should be located beyond a 1:1 plane drawn upward from the base of new or existing retaining walls, or the wall should be designed for the additional surcharge load.

4.5.2 Mat Foundation - Building

Allowable Bearing Capacity and Elastic Modulus

The allowable bearing pressure for a mat foundation is generally not the governing geotechnical design issues as compared to the anticipated settlement. At this preliminary stage, estimate static mat foundation pressures for the proposed dealership building are not yet available. GPI should be provided with a detailed plot of the anticipated mat bearing pressures for our review when those plans are available.

For elastic design of the mat foundation, a preliminary modulus of subgrade reaction (k-value) of 120 pounds per cubic inch (pounds per square inch per inch of deflection. This value is for a 1-foot by 1-foot square loaded area and should be adjusted for the area of the mat foundation using appropriate elastic theory. Using generally accepted methods and our site-specific consolidation test results, we recommend using a value of approximately 30 pci for the adjusted k-value in designing the mat foundation. As previously discussed, we should be provided with the anticipated mat pressures when they are developed so that we can review and confirm the recommendations provided as well as provide an estimate for the anticipated maximum settlements for the mat foundations.

The allowable soil bearing pressure will be significantly greater than the average bearing pressures required for the mat foundation discussed above. For preliminary design purposes, an average allowable bearing pressure of 2,500 pounds per square foot (psf) may be used. At localized areas of the mat, such as columns and point-of-load applications along exterior walls, a static allowable bearing pressure of up to 4,000 psf may be used. These allowable bearing pressures are for dead-plus-live loads and may be increased one-third for short-term, transient, wind and seismic loading.

Settlement

Based on the load information assumed for the building (column loads on the order of 400 kips and wall loads on the order of 12 kips per lineal foot corresponding to mat pressures on the order of 2,500 psf), the total static foundation settlement for the mat foundation is estimated to range from ¼ to 1 inch with maximum differential settlements expected to be on the order of ¾-inch.

4.5.3 Shallow Footings – Retaining Walls and Minor Structures

Allowable Bearing Capacity and Footing Depths

Based on the shear strength and elastic settlement characteristics of the recompacted on-site soils (new fills), a static allowable bearing pressure of up to 3,000 pounds per square foot (psf) may be used for retaining wall and minor structure footings supported on properly compacted fill. Based on the shear strength and elastic settlement characteristics of the undisturbed on-site bedrock, a static allowable bearing pressure of up to 6,000 pounds per square foot (psf) may be used for continuous footings that extend at least 1 foot into the undisturbed bedrock (wall footings should be supported entirely in properly compacted fill if it cannot be supported entirely in the undisturbed bedrock).

These bearing pressures are for dead load-plus-live loads, and may be increased one-third for short-term, transient, wind and seismic loading. The actual bearing pressure used may be based on economics and structural loads and will determine the minimum width for footings as discussed below. The maximum edge pressures induced by eccentric loading or overturning moments should not be allowed to exceed these recommended values.

The following minimum footing widths and embedments are recommended for the corresponding allowable bearing pressure in the properly compacted fill.

Footings on Properly Compacted Fill

Static Bearing Pressure (psf)	Minimum Footing Width (inches)	Minimum Footing* Embedment (inches)
3,000	36	24
2,500	24	24
2,000	24	18
1,500	18	18

* Refers to minimum depth below lowest adjacent grade.

Minimum footing widths and depths of 18 inches should be used even if the actual bearing pressure is less than 1,500 psf for footings supported in properly compacted fill.

The following minimum footing widths and embedments are recommended for the corresponding allowable bearing pressure in the undisturbed bedrock.

Footings on Undisturbed Bedrock

Static Bearing Pressure (psf)	Minimum Footing Width (inches)	Minimum Footing* Embedment (inches)
6,000	48	24
5,000	36	24
4,000	24	24
2,500	18	18

* Refers to minimum depth below lowest adjacent grade.

Minimum footing widths and depths of 18 inches should be used even if the actual bearing pressure is less than 2,500 psf for footings supported in the undisturbed bedrock.

Settlement

Based on the allowable bearing capacities previously presented for shallow footings supporting retaining walls and minor structures, the total static foundation settlement is anticipated to be within tolerable limits. We can provide more detailed settlement estimates for footings when further details on the loads are provided for walls and minor structures.

4.5.4 Lateral Load Resistance

Soil resistance to lateral loads will be provided by a combination of frictional resistance between the bottom of the mat foundation or footings and underlying soils and by passive soil pressures acting against the embedded sides of the footings. For frictional resistance, a coefficient of friction of 0.35 may be used for design of foundations for structures supported in properly compacted fills, such as the building mat foundation. A coefficient of friction of 0.40 may be used for design of retaining wall footings supported on the undisturbed bedrock. In addition, an allowable lateral bearing pressure equal to an equivalent fluid weight of 250 pounds per cubic foot may be used for the mat foundation or footings are poured tight against compacted fill soils. An allowable lateral bearing pressure equal to an equivalent fluid weight of 400 pounds per cubic foot may be used for retaining wall footings that are poured tight against the undisturbed bedrock. These values (friction and lateral bearing) may be used in combination without reduction.

Footings adjacent to descending slopes should be deepened to allow for a lateral distance of at least one-half of the slope height, but not less than 15 feet, between the base of the footing and the face of the slope. We should be provided with the foundation and grading plans to review the footing conditions relative to the proposed adjacent grades prior to bidding the project.

4.5.5 Foundation Concrete

Laboratory testing by HDR (Appendix B) on a selected sample indicates that the near surface soils exhibit a soluble sulfate content between 65 and 1,750 mg/kg. For the 2022 CBC, foundation concrete should conform to the requirements outlined in ACI 318, Section 4.3 for Category S2 levels of soluble sulfate exposure from the on-site soils. Chloride levels in the sample of the upper soils tested were found to be between 11 and 438 mg/kg, and we recommend a Category C1 be used for design.

4.5.6 Footing Excavation Observation

Prior to placement of concrete and steel, a representative of GPI should observe and approve the subgrade for the mat foundation and footing excavations.

4.6 RETAINING STRUCTURES AND SHORING

At the time of this report, plans for temporary shoring and permanent retaining walls were not finalized. However, the southern, eastern, and western building walls will require retaining walls, and if deeper removals are chosen over deep foundations, temporary shoring will likely be required along the north, east, and western portions of the site due to the relatively close

proximity to the property lines. Retaining structures may include subterranean building walls and stand-alone retaining walls. The following recommendations are provided for temporary shoring and conventional retaining walls. We recommend that conventionally backfilled walls be backfilled with sandy (granular) soils. Sufficient granular soils may not be readily available on-site to backfill retaining walls and cap the floor slab and pedestrian hardscape subgrade. Because of the preliminary timing of this report and complexity of the site and project configuration, we should be provided with the design plans for shoring and retaining systems prior to finalizing to confirm suitable geotechnical design parameters have been used.

4.6.1 Lateral Earth Pressures

We recommend cantilevered shoring or retaining walls be designed using a triangular lateral earth pressure distribution. For braced or tied-back shoring or retaining walls, we recommend a trapezoidal lateral earth pressure distribution be used in design, as shown on Figure 10, Trapezoidal Earth Pressure Distribution. In addition to the static lateral earth pressure, retaining walls should be designed to resist short term seismic lateral earth pressures. We recommend seismic earth pressures be taken as an inverse triangular distribution.

The magnitude of lateral earth pressures will depend on the direction of the shoring or retaining wall, as well as the condition of backfill (level or sloping). The following earth pressures are recommended for the design of shoring and retaining walls, and assume fully drained conditions:

Direction Facing*	Bedding Condition	Backfill Condition	Cantilever (pcf)	Braced/Tie-Back (psf)	Seismic (psf)
North	Adverse	Level	58	40	15H
North	Adverse	2:1 (h:v)	87	61	25H
West	Favorable	Level	32	22	15H
West	Favorable	2:1 (h:v)	48	33	25H
East	Favorable	Level	32	22	15H
East	Favorable	2:1 (h:v)	48	33	25H
South	Favorable	Level	32	22	15H
South	Favorable	2:1 (h:v)	48	33	25H

* A north-facing wall is located at the south side of the building.

The coefficient H is the height of wall in feet. When the plans for the retaining walls and shoring are further developed, we can evaluate the specific configurations to further refine the above values.

In addition to the recommended earth pressure, the upper 10 feet of the shoring adjacent to roads should be designed to resist a uniform lateral pressure of 100 pounds per square foot, acting as a result of an assumed 300 pound per square foot surcharge behind the shoring due to normal automobile traffic. If traffic is kept at least 10 feet from the shoring, the traffic surcharge may be neglected.

Walls subject to surcharge loads should be designed for an additional uniform lateral pressure equal to one-third and one-half the anticipated surcharge pressure for unrestrained and restrained walls, respectively. We can provide more specific lateral earth pressures resulting from surcharge loads when further details on the surcharge load are available.

4.6.2 Conventional Retaining Walls

The recommended lateral earth pressures are based on the assumption that the supported earth will be fully drained, preventing the build-up of hydro-static pressures. For traditional backfilled retaining walls, a drain consisting of perforated pipe surrounded by ¾ inch gravel and wrapped in filter fabric should be used. As a minimum, one cubic foot of rock should be used for each lineal foot of drain. The fabric (non-woven filter fabric, Mirafi 140N or equivalent) should be lapped at the top.

For retaining walls taller than 15 feet, the drain at the base of the wall should be supplemented by chimney drains extending up the back side of the wall. The chimney drain can consist of a prefabricated product, such as Miradrain, or a layer of gravel immediately behind the wall at least 12 inches wide and separated from the backfill soil with a suitable filter fabric. The chimney drain should be terminated about 2 feet from the finished grade, with the upper backfill consisting of the on-site soils.

The Structural Engineer should specify the use of select, granular wall backfill on the plans for conventional retaining walls. The select fill should extend behind the wall a distance laterally of one-third the wall height or to the back of the retaining wall footing, whichever is less. Wall footings should be designed as discussed in the "Foundations" section.

4.6.3 Soldier Pile Shoring and Tie-Backs

For the deep cuts planned at the south, east, and west sides of the planned dealership building (and the north side if deep foundations are not used), there may not be sufficient space for a sloped embankment. Potential methods for retaining the cut would be to install temporary shoring in front of a conventional wall, or use permanent tied-back soldier pile walls. The temporary shoring or soldier pile wall would consist of steel soldier piles placed in drilled holes, backfilled with concrete, and tied-back with earth anchors.

For temporary shoring and permanent soldier pile walls, the lateral earth pressures previously provided in Section 4.7.1 may be used for design.

Soldier Piles

For design of soldier piles spaced at least two diameters on centers for a permanent soldier pile wall, the allowable lateral bearing value (passive value) of the bedrock extending below the excavation may be taken to be 800 pounds per square foot at the excavated surface, up to a maximum of 8,000 psf. The allowable lateral bearing value (passive value) of the colluvium/alluvium extending below the excavation may be taken to be 500 pounds per square foot at the excavated surface, up to a maximum of 5,000 psf. To develop the full lateral value, provisions should be made to assure firm contact between the soldier piles and the undisturbed soils. The concrete placed in the soldier pile excavation below the excavated level may be a lean mix, but it should be of adequate strength to transfer the imposed loads to the surrounding soils.

Difficult drilling and refusal was locally encountered in our explorations into the bedrock materials. The shoring contractor should evaluate the potential drilling conditions when planning the installation methods. Caving was not encountered during our explorations.

The frictional resistance between the soldier piles and the retained earth may be used in resisting the downward component of the anchor load. The coefficient of friction between the soldier pile and the retained earth may be taken as 0.35. This value is based on the assumption ,that uniform full bearing will be developed between the steel soldier beam and the lean-mix concrete and between the lean mix concrete and the retained earth. In addition, provided the portion of the soldier piles below the excavated level is backfilled with structural concrete, the soldier piles below the excavated level may be used to resist downward loads. The frictional resistance between the concrete soldier piles and the soils below the excavated level may be taken as equal to 450 pounds per square foot.

For permanent tie-back walls, soldier piles should be protected from corrosion caused by contact with the on-site materials. Recommendations may be required from a corrosion engineer, such as HDR, who performed the corrosivity testing presented in Appendix B.

Lagging

Continuous lagging will be required between the soldier piles. The lagging could consist of timber or wire mesh and shotcrete/gunite. Careful installation of timber lagging will be necessary to achieve bearing against the retained earth. In areas where caving occurs, backfill of the lagging with clean sand fill or grout will be required. The soldier piles should be designed for the full anticipated lateral pressure. However, the pressure on the lagging will be less because of arching of the soils between piles. We recommend that the lagging be designed for the recommended earth pressure but limited to a maximum value of 400 pounds per square foot.

The temporary vertical lifts for the cuts between soldier piles to install the lagging should be limited to 5 feet. Shotcrete/gunite lagging should be properly cured prior to allowing excavation for the subsequent lift.

Tie-Back Anchors

Tie-back friction anchors may be used to resist lateral loads. For design purposes, it may be assumed that the active wedge adjacent to the shoring or wall is defined by a plane drawn at 35 degrees from the vertical through the bottom of the excavation for cuts facing east, west, and south (favorable bedding). For north facing cuts (adverse bedding), it may be assumed that the active wedge adjacent to the shoring or wall is defined by a plane drawn at 72 degrees from the vertical through the bottom of the excavation. The anchors should extend at least 25 feet beyond the potential active wedge and to a greater length if necessary to develop the desired capacities.

The capacities of anchors should be determined by testing of the initial anchors as outlined in a following paragraph. For design purposes, it may be estimated that drilled friction anchors will develop an average friction value of 800 pounds per square foot. Higher friction values may be feasible depending on the layout of the anchors. If two rows of tie-backs are planned, a higher friction value may be used, and can be provided if requested. Only the frictional resistance developed beyond the active wedge would be effective in resisting lateral loads. If post-grouted

tie-back anchors are used, a preliminary average friction value of 2,000 psf may be assumed for planning. A higher value may be assumed if confirmed by field load testing. If the anchors are spaced at least 6 feet on-centers, no group action reduction in the capacity of the anchors need be considered.

The anchors may be installed at angles of 15 to 40 degrees below the horizontal. Care should be taken to confirm that the new anchors do not conflict with the utility lines upslope from the development. Caving of the anchor holes should be prevented with the installation method selected. The anchors should be filled with concrete placed by pumping from the tip out, and the concrete should extend from the tip of the anchor to the active wedge. The annular space around conventional anchors within the active wedge should not be backfilled until after testing has been completed. If caving is encountered, the void may be filled with wet sand. The anchor may be filled with concrete to the surface of the shoring for post-grouted anchors that are 8 inches in diameter or less.

For permanent tie-backs, the anchors should be protected from corrosion by epoxy coating or an equivalent method. The actual method used should be developed by a corrosion protection consultant, such as HDR.

Tie-Back Anchor Testing

For temporary shoring, GPI should select at least one of the initial anchors for a 24-hour hour, 200 percent test and three additional anchors for quick 200 percent tests. For a permanent tie-back wall, each of the permanent anchors should be proof-tested to 200 percent of the design load using a quick test, with four anchors selected for 24-hour tests. The purpose of the 200 percent test is to verify the friction value assumed in design. The anchors should be tested to develop twice the assumed friction value capacity. Where satisfactory tests are not achieved on the initial anchors, the anchor diameter and/or length should be increased until satisfactory test results are obtained. When the extent of the shoring program is known, we should review the recommended test program and make modifications as necessary.

For the 200 percent tests, the 200 percent test load should be maintained for 24 hours (24-hour test) and 1 hour (quick tests). The total deflection of the anchor during the test should not exceed 12 inches. The deflection after the 200 percent test load has been applied should not exceed 0.50 inch during any 1 hour period.

For temporary anchors, the remaining anchors should be pretested to at least 150 percent of the design load. The total deflection during the test should not exceed 12 inches between the anchor and the soldier pile. The rate of creep under the 150 percent load should not exceed 0.25 inch over a one-hour period and 0.1 inch over any 15-minute period within the one hour for the anchor to be approved for the design loading.

After a satisfactory test, each production anchor should be locked-off at the design load. The locked-off load should be verified by rechecking the load in the anchor. If the locked-off load varies by more than 10 percent from the design load, the load should be reset until the target load is achieved.

Deflection

It is difficult to accurately predict the amount of deflection of the shored embankment. It should be realized, however, that some deflection will occur. If it is desired to reduce the deflection, such as immediately adjacent to existing settlement sensitive improvements, the wall should be designed for higher lateral earth pressures.

With the relatively high tie-back anchor loads anticipated, the downward component of the anchor load will impose significant axial loads on the soldier piles. The frictional resistance of the soldier pile should be confirmed versus the downward component of the anchor load to evaluate the adequacy of the soldier pile embedment.

Monitoring

We recommend performing a detailed survey of the improvements supported above the planned cut prior to and during the shoring or wall installation. The survey should include topographic data and a video account of the condition of the existing improvements, including cracks or signs of distress. During construction, the monitoring should consist of periodic surveying of the lateral and vertical locations of the tops of the soldier piles. We can discuss the scope of the monitoring with the design team and owner when the design of the shoring or wall system has been finalized.

Drainage

The permanent walls should be drained full-height using a suitable drainage composite. If shoring is used, the drainage composite should be placed between the soldier piles prior to applying the shotcrete surface to allow for groundwater seepage within the height of the cut to be collected and discharged without building up hydrostatic pressures behind the wall. We recommend that the continuous drainage panels be installed at the same spacing as the soldier piles.

4.7 SLOPES

Based on the available information, cut and fill slopes are planned as part of the project. Permanent slopes at the site should be constructed at an inclination of 2:1 (horizontal to vertical) or flatter. We recommend fill slopes be overbuilt by at least 3 feet during rough grading and trimmed back to a hard and unyielding surface. Slope rolling to achieve a finished compacted surface should not be performed. A keyway at least 3 feet deep and equal in width to one-half the slope height, but not less than 15 feet, should be constructed prior to filling the slope. See Figures 7 and 8 for further details.

Setbacks of structures from the top and toe of the planned slopes should be maintained as directed by the regulatory agency.

Drainage devices and erosion control measures should be installed as required by the governing agencies.

4.8 DRAINAGE

Positive surface gradients should be provided adjacent to structures so as to direct surface water run-off and roof drainage away from foundations and slabs toward suitable discharge facilities. Long-term ponding of surface water should not be allowed on pavements or adjacent to structures. Subsurface drainage should be provided on walls below grade as discussed in a previous section.

4.9 EXTERIOR CONCRETE AND MASONRY FLATWORK

Exterior pedestrian concrete and masonry flatwork should be supported on a layer of non-expansive compacted fill if differential heave is not tolerable. The use of clayey soils within 2 feet of floor slab and concrete hardscape subgrade is not recommended. Prior to placement of concrete, the subgrade should be prepared as recommended in “Subgrade Preparation” section. The moisture content of subgrade soils should be maintained above the optimum moisture content and confirmed by a representative of GPI prior to covering. Subgrade soils allowed to dry out will require moisture conditioning, including the potential for additional processing.

4.10 PAVED AREAS

Testing on a sample of the upper soils in the planned parking area resulted in an R-value of 7. Preliminary pavement design has been based on an R-value of 5. These recommendations are based on the assumption that the pavement subgrades will consist of the existing clayey on-site soils. The following pavement sections are recommended for planning purposes only.

TRAFFIC INDEX	SECTION THICKNESS (inches)	
	ASPHALTIC CONCRETE	AGGREGATE BASE COURSE
4	3	7
5	3	10
6	4	12
	Portland Cement Concrete	**Aggregate Base Course**
4	6.0	4
5	6.5	4
6	7.0	4

The pavement subgrade underlying the aggregate base or concrete should be properly prepared and compacted in accordance with the recommendations outlined under "Subgrade Preparation".

The concrete used for paving should have a modulus of rupture of at least 550 psi (equivalent to an approximate compressive strength of 3,700 psi) at the time the pavement is subjected to truck traffic. Where new pavements will be constructed directly adjacent to and entering the proposed building, we recommend dowels be placed to reduce the potential for differential settlement at the transition between the building and the adjacent pavements.

The pavement base course should be compacted to at least 95 percent of maximum density (ASTM D-1557). Aggregate base should conform to the requirements of Section 26 of the California Department of Transportation Standard Specifications for Class II aggregate base

(three-quarter inch maximum) or Section 200-2 of the Standard Specifications for Public Works Construction (Green Book) for untreated base materials, except processed miscellaneous base.

The above recommendations assume that the base course and compacted subgrade will be properly drained. The design of paved areas should incorporate measures to prevent moisture build-up within the base course which can otherwise lead to premature pavement failure. For example, curbing adjacent to landscaped areas should be deep enough to act as a barrier to infiltration of irrigation water into the adjacent base course.

4.11 STORMWATER INFILTRATION

To evaluate the infiltration characteristics of the near surface soils, we performed two field infiltration tests in accordance with methods established by the County of Los Angeles (County, 2014). Infiltration testing was performed at depths of about 10 feet below the existing ground surface at the general locations proposed for underground detention basins as provided by the project Civil Engineer.

The tests were performed in shallow borings drilled with an 8-inch hollow stem auger. The test well was constructed in the boring using a 2-inch diameter slotted well casing. The annular space between the perforated casing and the borehole was filled with No. 3 well sand.

Prior to running the tests, the soils adjacent to the well were soaked with water a minimum of five times the diameter of the well above the bottom of the boring.

The well was filled with a minimum of 18 inches of water at the initiation of the test. After confirming the initial infiltration rate, we performed the infiltration testing by taking water level measurements every 30 minutes. The infiltration rate was calculated using the lowest infiltration rate during the testing.

The adjusted infiltration rate was determined by dividing the preadjusted infiltration rate by a reduction factor that is dependent on the initial water depth and the diameter of the boring. The results of the tests indicated infiltration rates of approximately 0.0 and 0.1 inches per hour (nearly no infiltration). Detailed results of the testing are presented in Tables 1.1 and 1.2, Borehole Infiltration Test Results.

Grading at the location of the proposed underground basin is expected to be minimal and densification of the on-site soil due to grading activities is anticipated to have little effect on the permeability of the soils at the proposed depth of infiltration. The Civil Engineer should evaluate feasibility of groundwater infiltration using the infiltration rates provided and suitable factors of safety.

4.12 GEOTECHNICAL OBSERVATION AND TESTING

We recommend that a representative of GPI observe earthwork during construction to confirm that the recommendations provided in our report are applicable during construction. The earthwork activities include grading, compaction of fills, subgrade preparation, pavement construction and foundation excavations. If conditions are different than expected, we should be afforded the opportunity to provide an alternate recommendation based on the actual conditions encountered.

5.0 LIMITATIONS

The report, exploration logs, and other materials resulting from GPI's efforts were prepared exclusively for use by Hello Auto Group and their consultants in designing the proposed development. The report is not intended to be suitable for reuse on extensions or modifications of the project or for use on any project other than the currently proposed development as it may not contain sufficient or appropriate information for such uses. If this report or portions of this report are provided to contractors or included in specifications, it should be understood that they are provided for information only.

Soil deposits may vary in type, strength, and many other important properties between points of exploration due to non-uniformity of the geologic formations or to man-made cut and fill operations. While we cannot evaluate the consistency of the properties of materials in areas not explored, the conclusions drawn in this report are based on the assumption that the data obtained in the field and laboratory are reasonably representative of field conditions and are conducive to interpolation and extrapolation.

Furthermore, our recommendations were developed with the assumption that a proper level of field observations and construction review will be provided by GPI during grading, excavation, and foundation construction. If field conditions during construction appear to be different than is indicated in this report, we will need to assess the impact of such conditions on our recommendations.

If construction phase geotechnical services are provided by others, the use of this report and its contents will be solely at their risk. In addition, the firm will need to accept full responsibility for geotechnical aspects of the project, including the recommendations contained herein.

Our investigation and evaluations were performed using generally accepted engineering approaches and principles available at this time and the degree of care and skill ordinarily exercised under similar circumstances by reputable geotechnical engineers practicing in this area. No other representation, either express or implied, is included or intended in our report.

Respectfully submitted,
Geotechnical Professionals Inc.

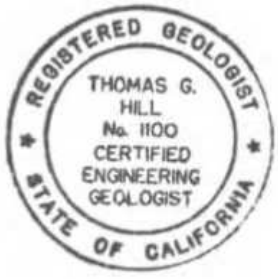


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Paul R. Schade, G.E.
Principal





Thomas G. Hill, C.E.G.
Consulting Geologist

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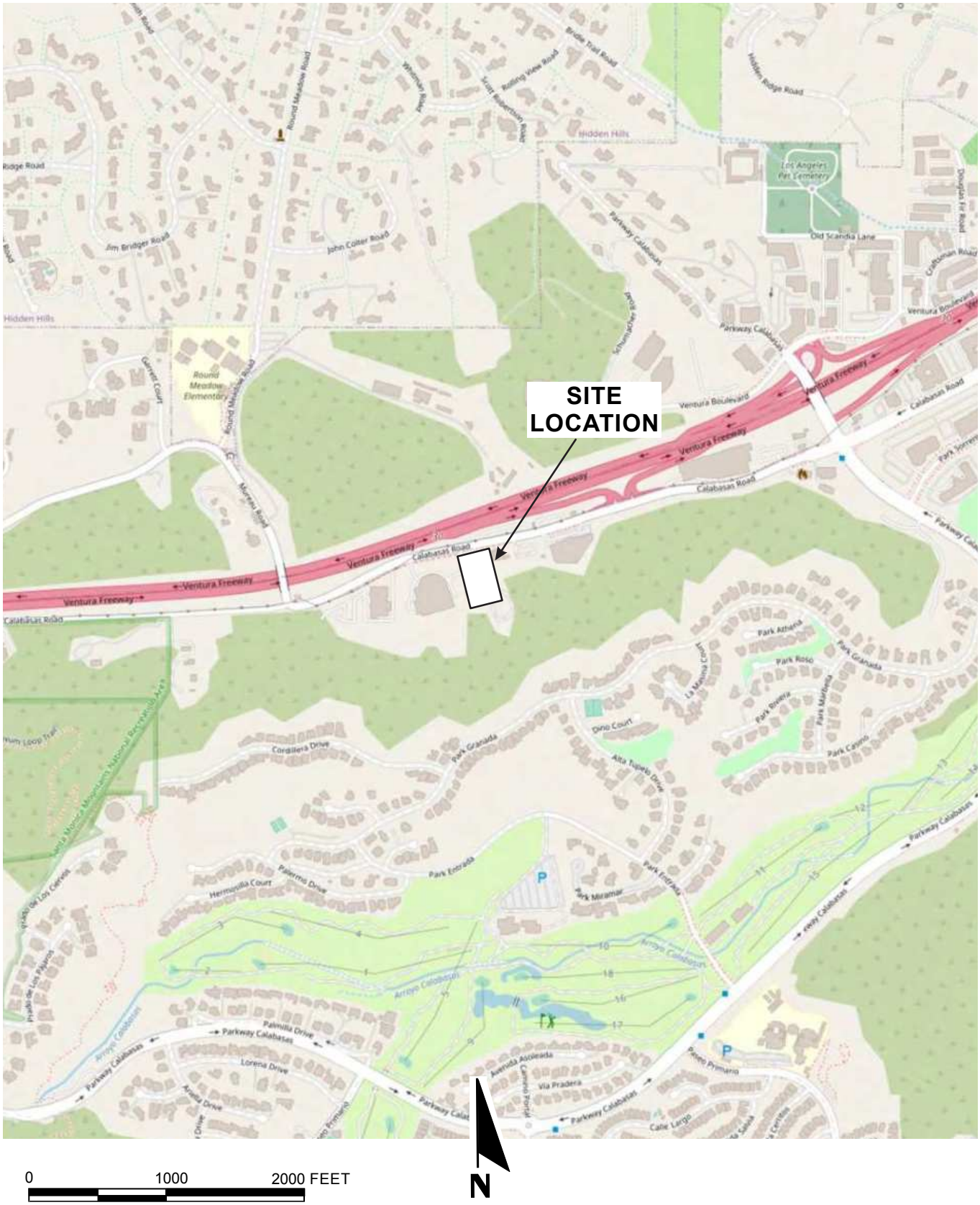
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BASE PLAN REPRODUCED FROM CALTOPO © 2021

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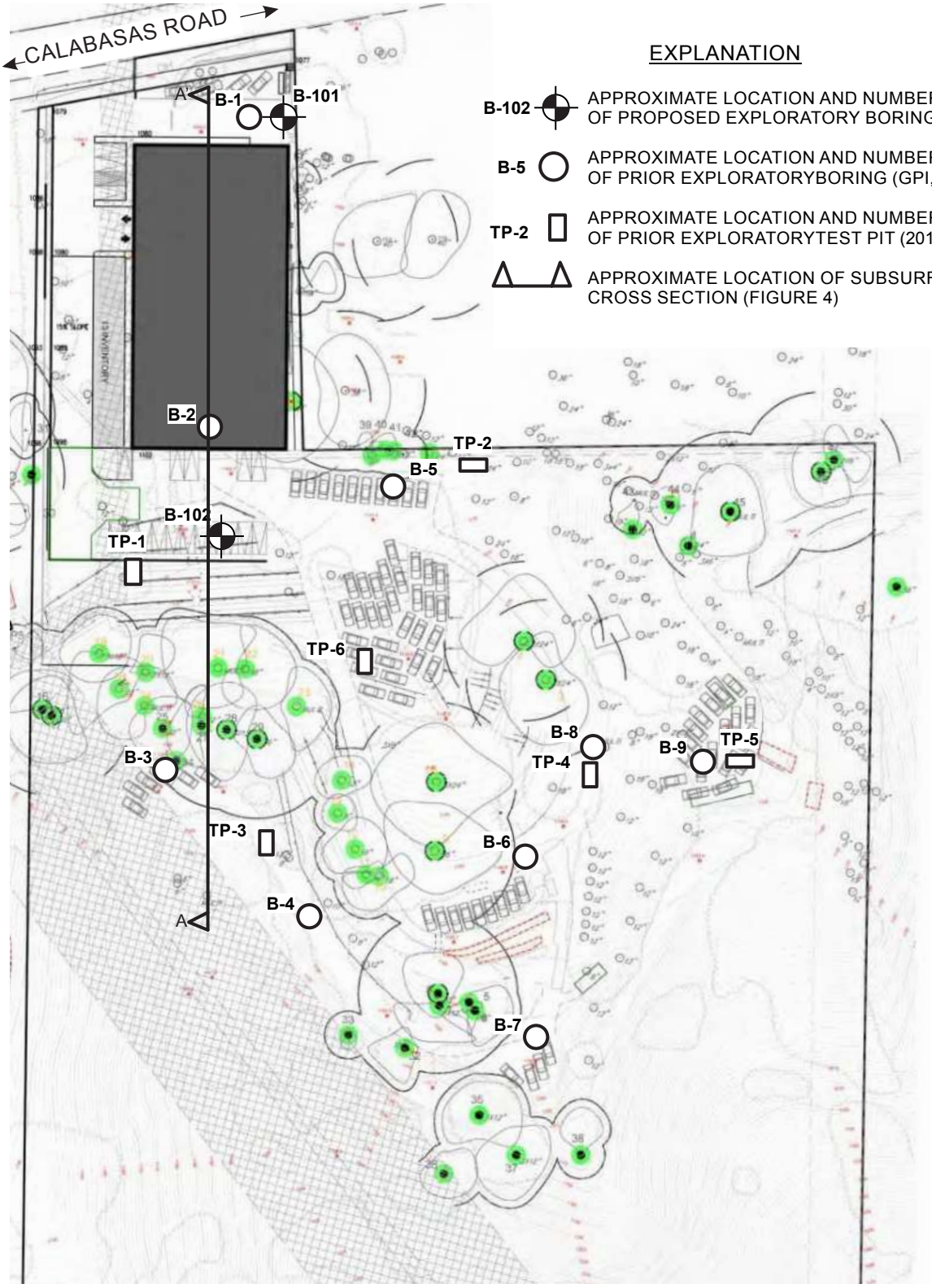
SITE LOCATION MAP

KIA CALABASAS

GPI PROJECT NO.: 3162.I

SCALE: 1" = 1000'

FIGURE 1



BASE PLAN REPRODUCED FROM CALABASAS KIA - CONCEPT STUDY PLAN PROVIDED BY AHT ARCHITECTS INC. .: DATED 08-23-2022

GEOTECHNICAL PROFESSIONALS, INC.

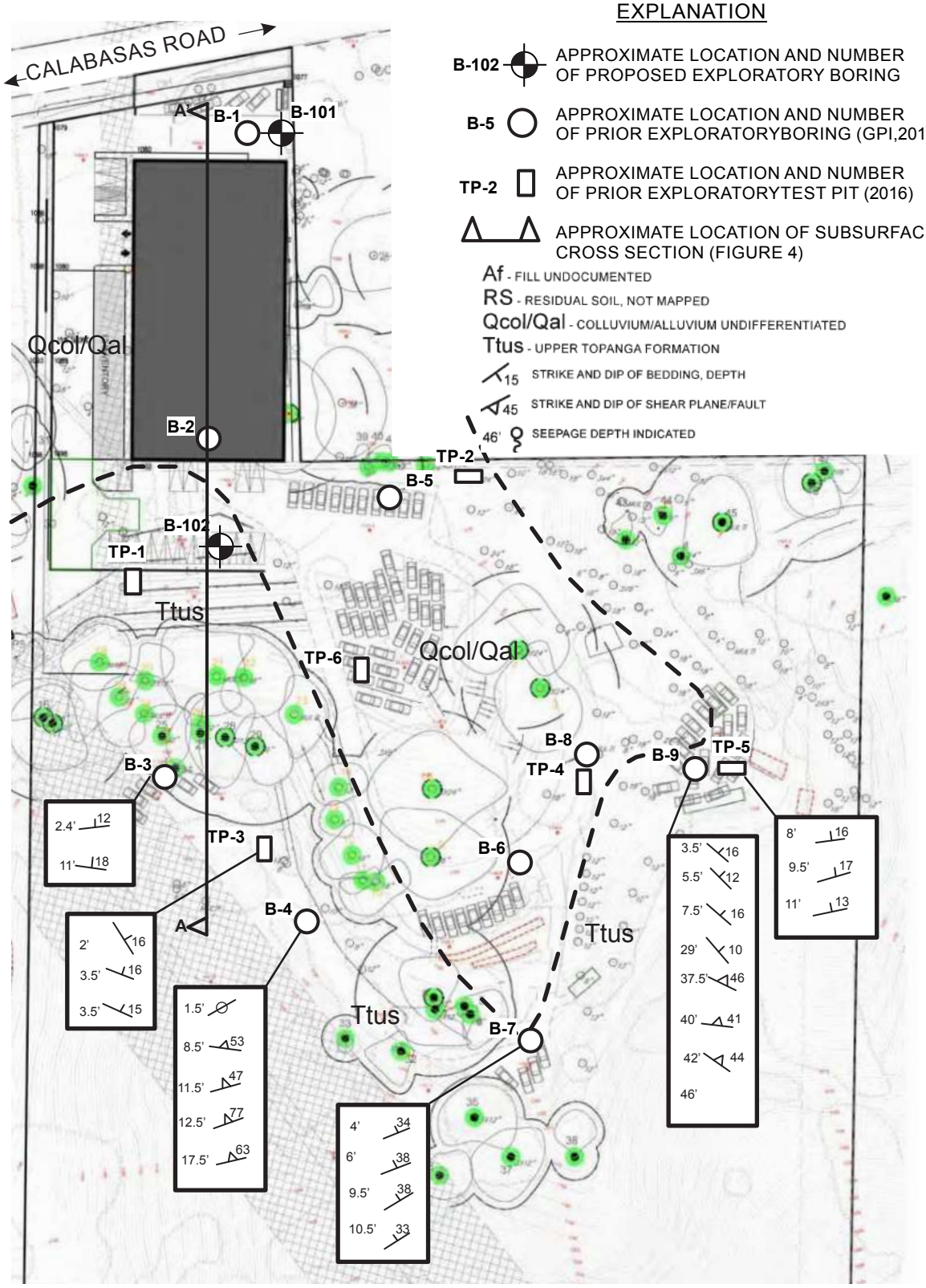
KIA CALABASAS

GPI PROJECT NO.: 3162.I

SCALE: 1" = 100'

SITE PLAN

FIGURE 2



EXPLANATION

B-102 APPROXIMATE LOCATION AND NUMBER OF PROPOSED EXPLORATORY BORING

B-5 APPROXIMATE LOCATION AND NUMBER OF PRIOR EXPLORATORYBORING (GPI,2016)

TP-2 APPROXIMATE LOCATION AND NUMBER OF PRIOR EXPLORATORYTEST PIT (2016)

APPROXIMATE LOCATION OF SUBSURFACE CROSS SECTION (FIGURE 4)

Af - FILL UNDOCUMENTED

RS - RESIDUAL SOIL, NOT MAPPED

Qcol/Qal - COLLUVIUM/ALLUVIUM UNDIFFERENTIATED

Ttus - UPPER TOPANGA FORMATION

15 STRIKE AND DIP OF BEDDING, DEPTH

45 STRIKE AND DIP OF SHEAR PLANE/FAULT

46' SEEPAGE DEPTH INDICATED

0 100 200

BASE PLAN REPRODUCED FROM CALABASAS KIA - CONCEPT STUDY PLAN PROVIDED BY AHT ARCHITECTS INC. .: DATED 08-23-2022

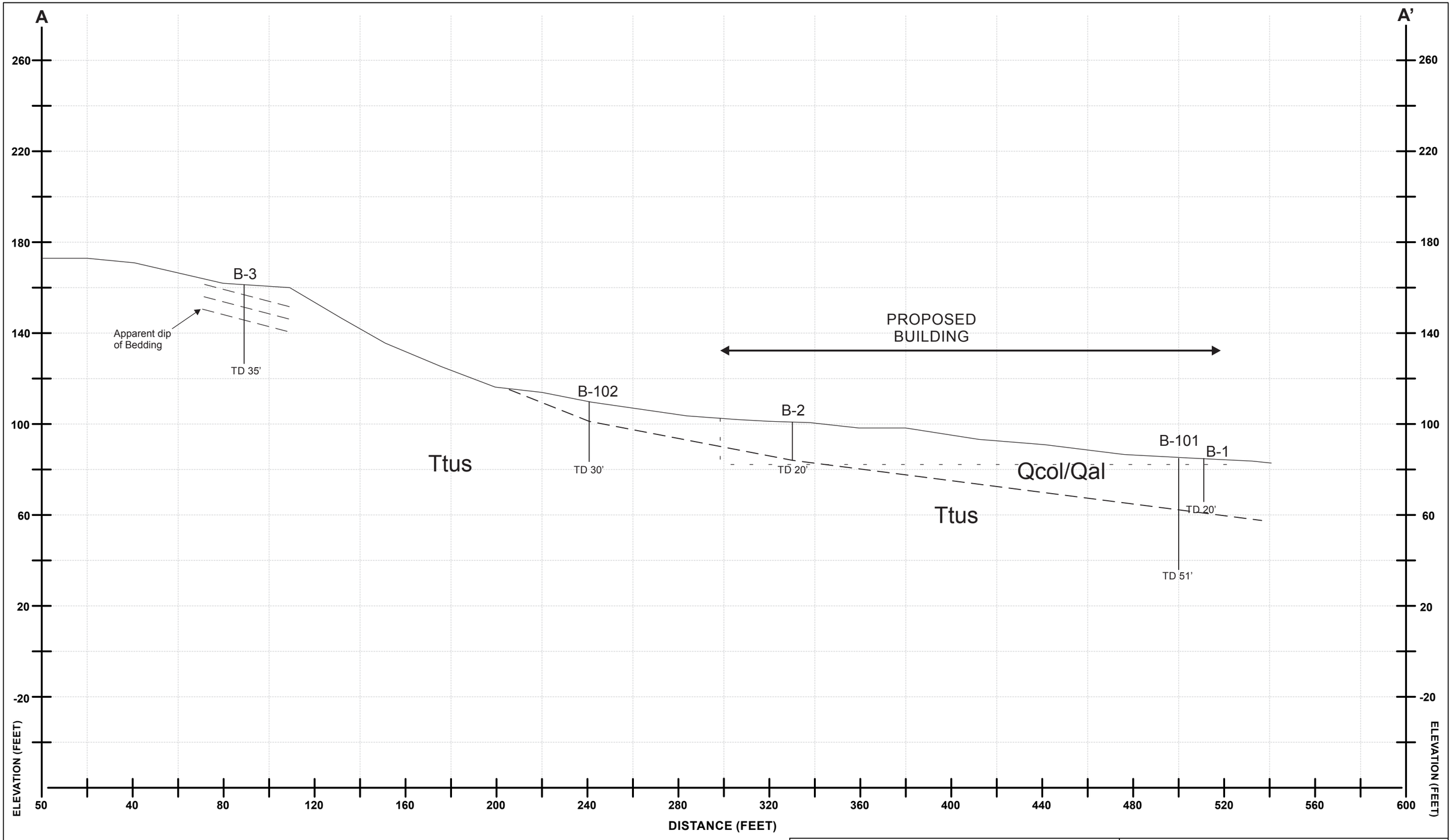
GPI GEOTECHNICAL PROFESSIONALS, INC.

KIA CALABASAS

GPI PROJECT NO.: 3162.I | SCALE: 1" = 100'

GEOLOGIC SITE PLAN

FIGURE 3



Note: This section is based upon information obtained at borings and CPTs obtained during geotechnical investigation. The section is based upon limited geotechnical data and localized variations should be anticipated. This section is intended for descriptive purposes only.

GEOTECHNICAL PROFESSIONALS, INC.

KIA CALABASAS

GPI PROJECT NO.: 3162.I | SCALE AS SHOWN

SUBSURFACE CROSS SECTION A-A'

FIGURE 4



AT BORING B-5 LOOKING SOUTH TOWARDS BORING B-8



NEAR BORING B-2 LOOKING NORTH TOWARDS CALABASAS ROAD

SITE PHOTOGRAPHS TAKEN APRIL 17, 2016

GEOTECHNICAL PROFESSIONALS, INC.

KIA CALABASAS

GPI PROJECT NO. 3162.1 | NTS

SITE PHOTOGRAPHS

FIGURE 5.1



NEAR BORING B-4 LOOKING WEST TOWARDS BORING B-3



AT BORING B-9 LOOKING WEST TOWARDS BORING B-6

SITE PHOTOGRAPHS TAKEN APRIL 17, 2016

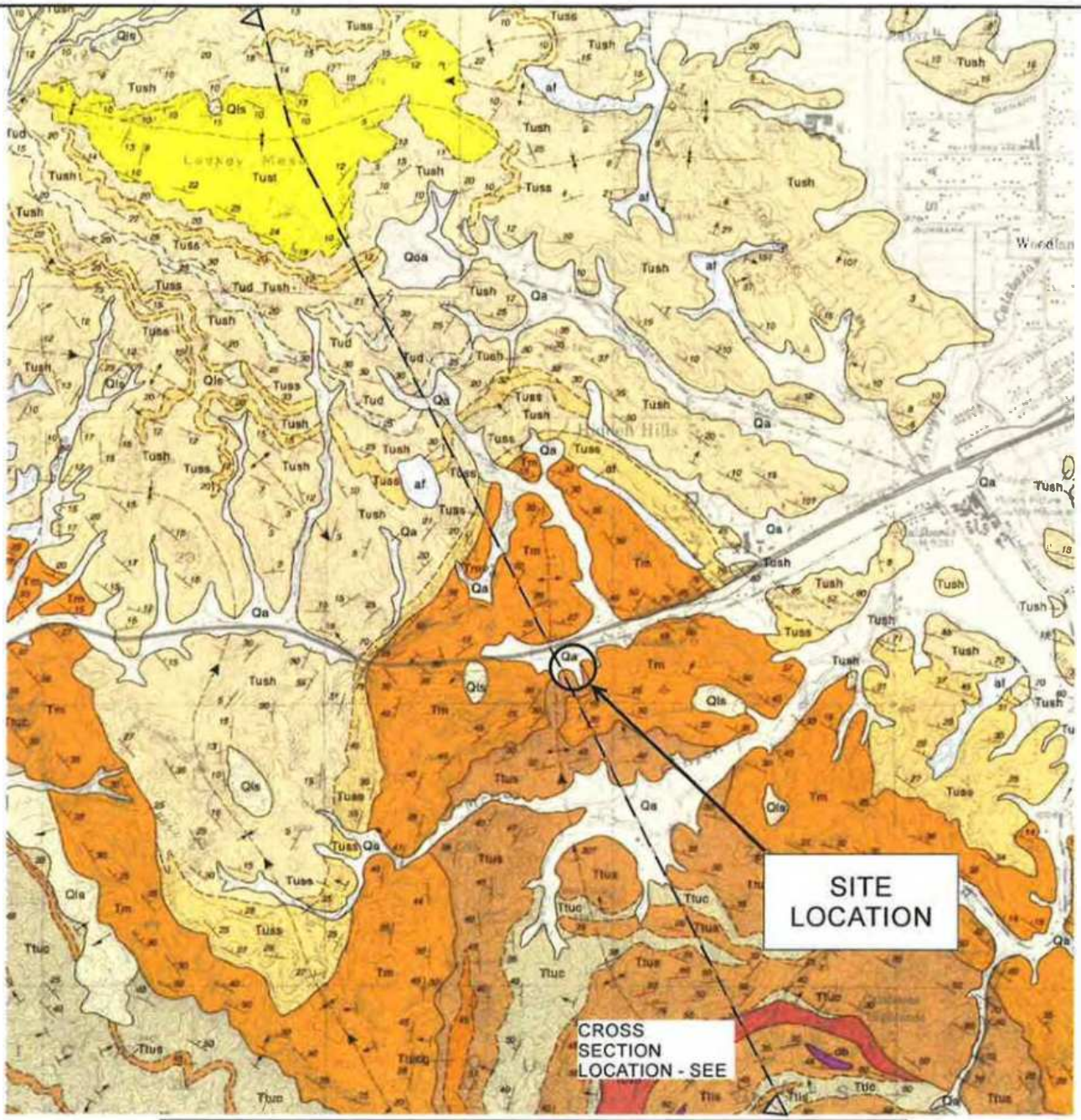
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GPI PROJECT NO. 3162.1 | NTS

SITE PHOTOGRAPHS

FIGURE 5.2



LEGEND

Tm Tmss Tmcg

MONTEREY FORMATION

(Lower part Modelo Formation of Hoots 1931; Soper 1938; Durrell 1954; A.E.G. maps 1982; Modelo Formation of Yerkes and Campbell 1979; Weber 1984; Modelo-Monterey and lower Monterey Formation of Truex and Hall 1969, Truex 1976; ; equivalent to Monterey Formation of Dibblee 1989, in Ventura basin)

Marine, biogenic and clastic; middle and late Miocene age (late (?) Luisian and Mohnian Stages)

Tm *Gray-brown, white weathering siliceous shale, thin bedded, moderately hard with platy fracture; includes soft fissile diatomaceous shale, hard, brittle, chatty shale, and few layers of hard, yellow-weathering calcareous concretions or lenses*

Tmss *Light gray to tan, semi-friable bedded sandstone*

Tmcg *Gray cobble conglomerate of mostly granitic detritus in sandstone matrix*

af Qa

SURFICIAL SEDIMENTS

af *Artificial cut and fill*

Qa *Alluvium: gravel, sand and clay of valley areas, includes gravel of stream channels gravel and sand of alluvial fans, and slope wash: undissected to slightly dissected*

Ttuc Ttus Ttucg

UPPER TOPANGA FORMATION

(Of Durrell 1954; Topanga Formation of Soper 1938; Truex and Hall 1969; Truex 1976; Weber 1984; Calabasas Formation of Yerkes and Campbell 1979, 1980)

Marine clastic; middle Miocene age (Luisian Stage)

Ttuc *Gray claystone, bedded; crumbly with ellipsoidal fracture*

Ttus *Light gray sandstone, semi friable, thick bedded*

Ttucg *Gray conglomerate of cobbles of granitic rocks, sandstone, and volcanic rocks in sandstone matrix*

N

0 3000 6000 FEET

BASE MAP REPRODUCED FROM THE GEOLOGIC MAP OF THE CALABASAS QUADRANGLE PREPARED BY THE DIBBLEE GEOLOGICAL FOUNDATION: DATED 1992

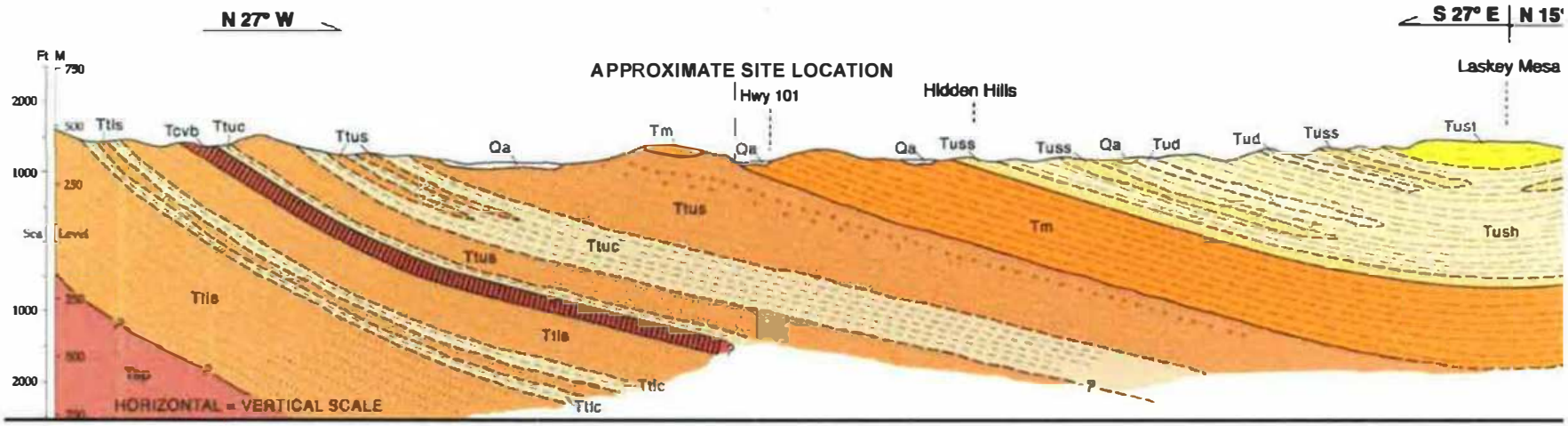
GEOTECHNICAL PROFESSIONALS, INC.

KIA CALABASAS

GPI PROJECT NO.:3162.I | SCALE: 1" = 3000'

REGIONAL GEOLOGIC MAP

FIGURE 6.1



SEE FIGURE 4.1 FOR CROSS SECTION LOCATION

LEGEND

Tm Tmss Tmcg

MONTEREY FORMATION

(Lower part Modelo Formation of Hoots 1931; Soper 1934; Durrell 1954; A.L.G. maps 1982; Modelo Formation of Weiss and Campbell 1978; Weber 1984; Modelo-Monterey and lower Monterey Formation of Truex and Hall 1969, Truex 1976; equivalent to Monterey Formation of Dibblee 1989, in Ventura basin)

Marine, biogenic and clastic; middle and late Miocene age (late (?) Luisian and Mohnian Stages)

Tm Gray-brown, white weathering siliceous shale, thin bedded, moderately hard with platy fracture; includes soft fissile diatomaceous shale, hard, brittle, cherty shale, and few layers of hard, yellow-weathering calcareous concretions or lenses

Tmss Light gray to tan, semi-friable bedded sandstone

Tmcg Gray cobble conglomerate of mostly granitic detritus in sandstone matrix

Qa

SURFICIAL SEDIMENTS

Qa Alluvium: gravel, sand and clay of valley areas, includes gravel of stream channels, gravel and sand of alluvial fans, and slope wash; undissected to slightly dissected

Ttuc Ttus Ttucg

UPPER TOPANGA FORMATION

(Of Durrell 1954; Topanga Formation of Soper 1934; Truex and Hall 1969; Truex 1976; Weber 1984; Calabasas Formation of Yerkes and Campbell 1979, 1980)

Marine clastic; middle Miocene age (Luisian Stage)

Ttuc Gray claystone, bedded; crumbly with ellipsoidal fracture

Ttus Light gray sandstone, semi-friable, thick bedded

Ttucg Gray conglomerate of cobbles of granitic rocks, sandstone, and volcanic rocks in sandstone matrix

0 2500 5000 FEET

BASE MAP REPRODUCED FROM THE GEOLOGIC MAP OF THE CALABASAS QUADRANGLE PREPARED BY THE DIBBLEE GEOLOGICAL FOUNDATION: DATED 1992

GPI GEOTECHNICAL PROFESSIONALS, INC.

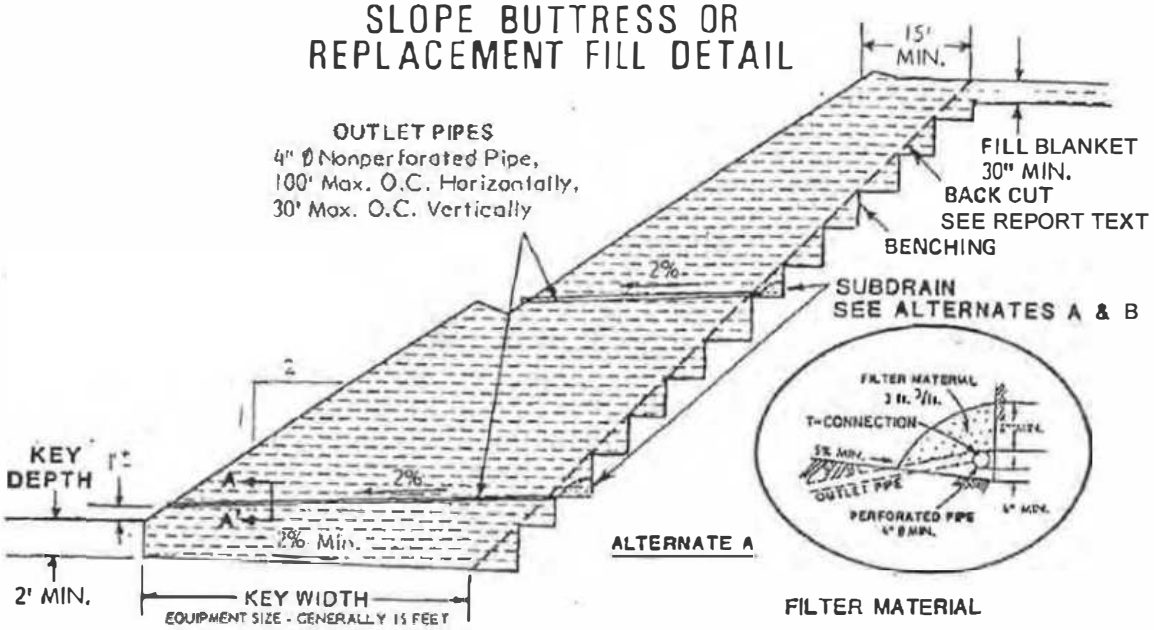
KIA CALABASAS

GPI PROJECT NO.: 3162.1 SCALE: 1" = 2500'

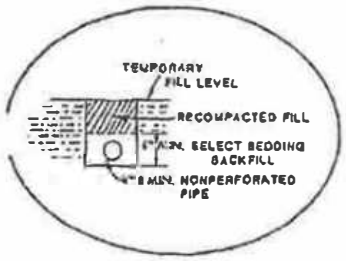
REGIONAL GEOLOGIC MAP CROSS SECTION

FIGURE 6.2

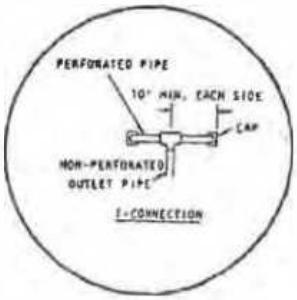
SLOPE BUTTRESS OR REPLACEMENT FILL DETAIL



ALTERNATE A



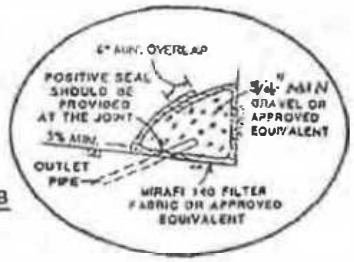
DETAIL A-A'



FILTER MATERIAL

Filter material shall be Class 2 permeable material per State of California Standard Specifications, or approved alternate. Class 2 grading as follows:

SIEVE SIZE	PERCENT PASSING
1"	100
3/4"	90-100
3/8"	40-100
No. 4	25-40
No. 8	18-33
No. 30	5-15
No. 50	0-7
No. 200	0-3

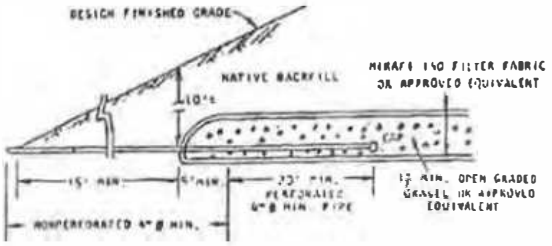


ALTERNATE B

NOTES:

- Fill blanket, back cut, key width and key depth are subject to field change, per report/plans.
- Key heel subdrain, blanket drain, or vertical drain may be required at the discretion of the geotechnical consultant.
- SUBDRAIN INSTALLATION - Subdrain pipe shall be installed with perforations down or, at locations designated by the geotechnical consultant, shall be nonperforated pipe.
- SUBDRAIN TYPE - Subdrain type shall be ASTM C508 Asbestos Cement Pipe (ACP) or ASTM D2751, SDR 23.5 or ASTM D1527, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) or ASTM D3034 SDR 23.5 or ASTM D1785, Schedule 40 Polyvinyl Chloride Plastic (PVC) pipe or approved equivalent.

DETAIL OF BUTTRESS SUBDRAIN TERMINAL



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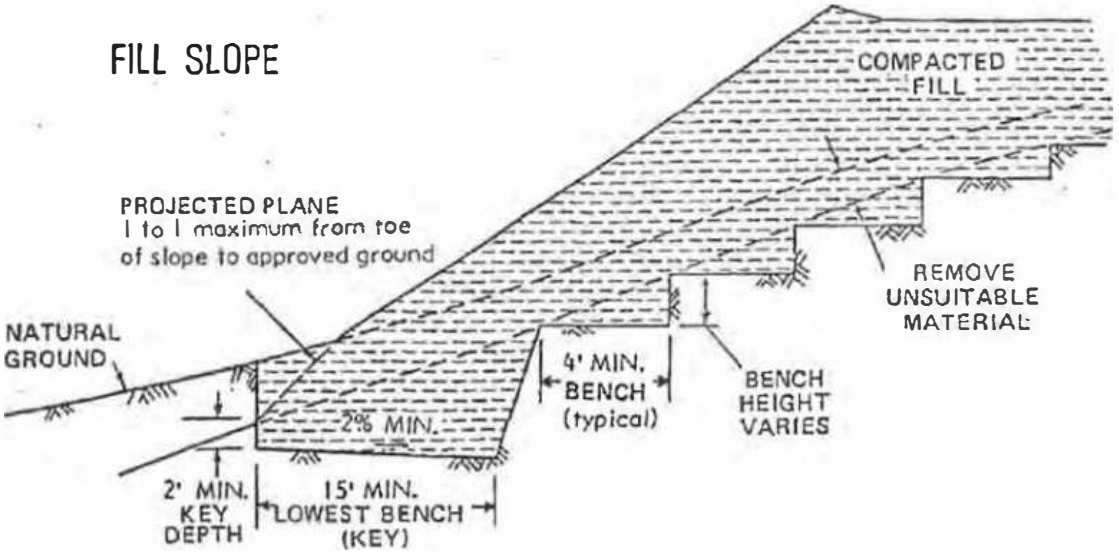
GPI PROJECT NO.: 3162.1 | NO SCALE

SLOPE BUTTRESS OR REPLACEMENT FILL DETAIL

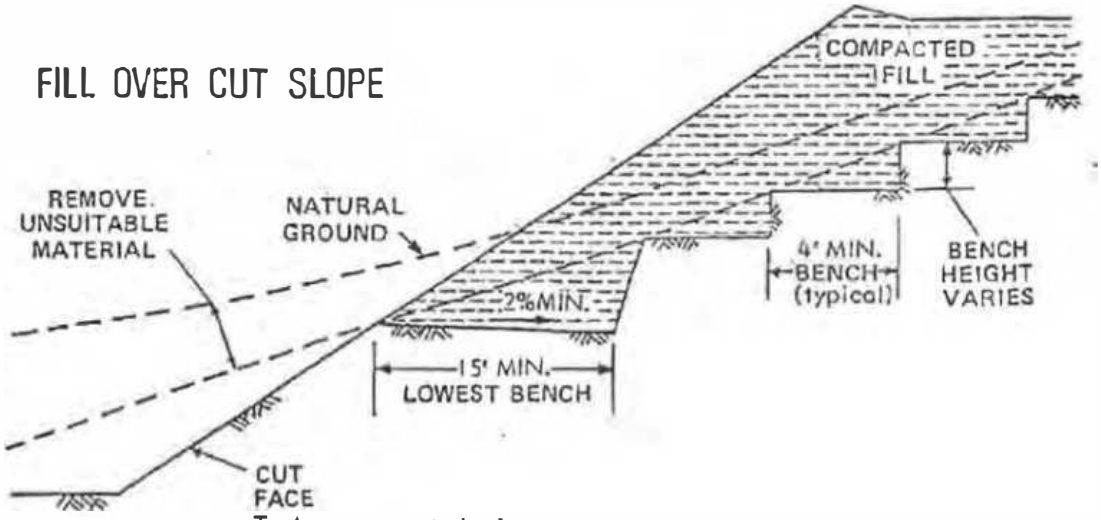
FIGURE 7

BENCHING DETAILS

FILL SLOPE



FILL OVER CUT SLOPE



NOTES:

LOWEST BENCH: Depth and width subject to field change based on consultant's inspection.

SUBDRAINAGE: Back drains may be required at the discretion of the geotechnical consultant.

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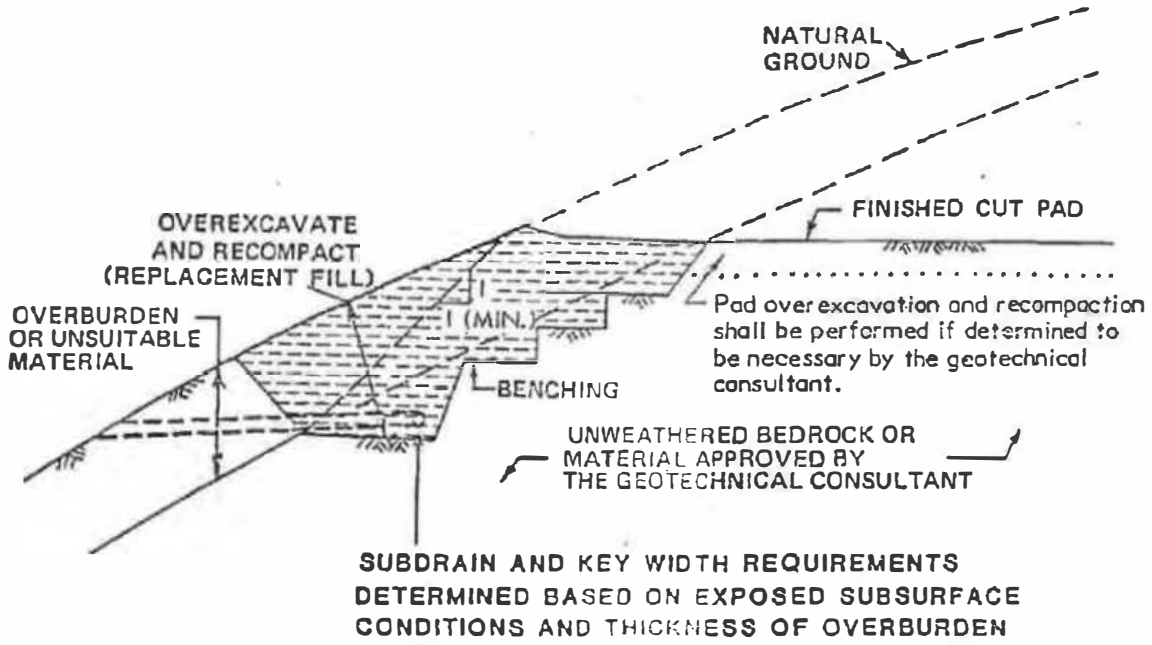
BENCHING DETAIL

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FIGURE 8

SIDE HILL
CUT PAD DETAIL



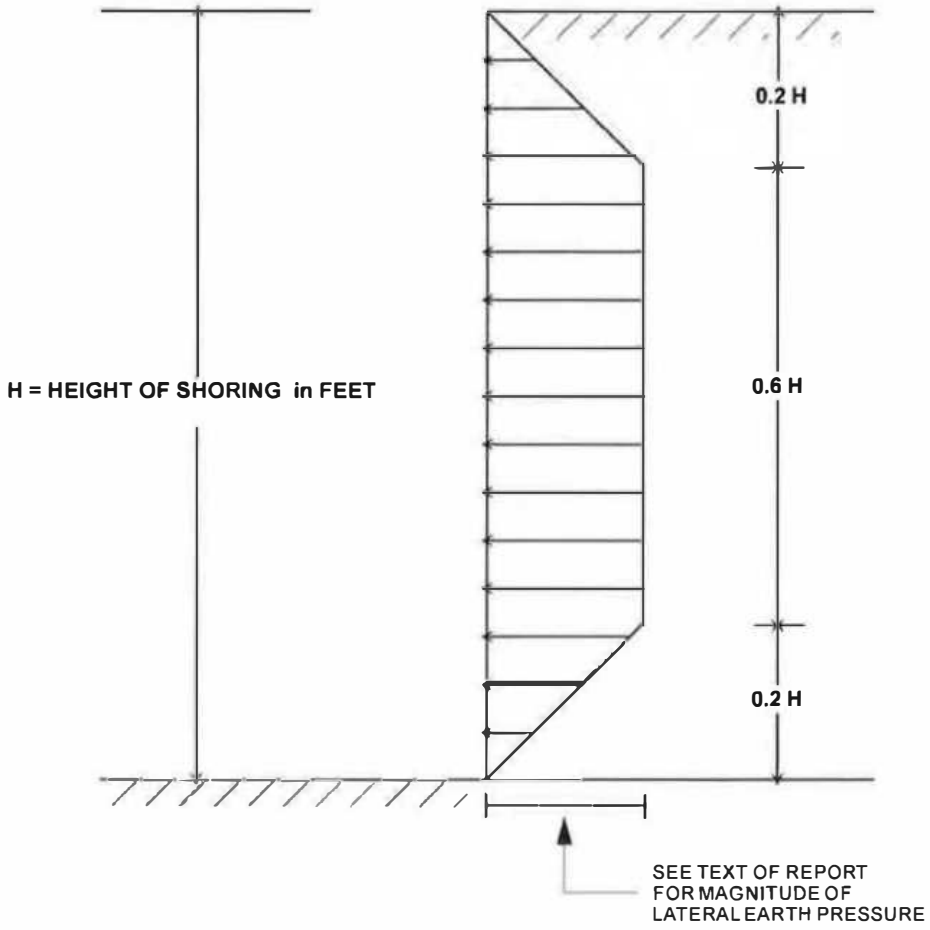
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SIDE HILL CUT PAD DETAIL

FIGURE 9



It should be noted that the provided lateral earth pressues do not include hydrostatic pressures

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LATERAL EARTH PRESSURES FOR TIE-BACK SHORING

FIGURE 10

TABLE 1.1

BOREHOLE INFILTRATION TEST RESULTS
Los Angeles County Method (GS200.1, 06/01/11)

Project No. 2730.I
Client: Calabasas Nissan
By AS

Date: 9/13/16
Test Date 5/20/16

NOTE: Slowest or average rate from percolation testing used to calculate infiltration rate

			Depth to	Depth to	Initial	Water		Preadjusted	Reduction	
	Test	Depth of	Water	Water	Water	Level	Hole	Percolation	Factor	Infiltration
Test Well/	Duration	Well	Initial*	Final	Depth	Drop	Diameter	Rate	R_f**	Rate
Adj. Boring	(min)	(ft)	(ft)	(ft)	(ft)	(ft)	(inches)	(in/hr)		(in/hr)
	Δt				d_1	Δd	*DIA*			I_t
P-1/B-1	30	9.95	7.82	7.82	2.13	0.00	8	0.0	7.4	0.0
P-1/B-1	30	9.95	7.82	7.82	2.13	0.00	8	0.0	7.4	0.0
P-1/B-1	30	9.95	7.82	7.82	2.13	0.00	8	0.0	7.4	0.0
P-1/B-1	30	9.95	7.82	7.82	2.13	0.00	8	0.0	7.4	0.0
P-1/B-1	30	9.95	7.82	7.82	2.13	0.00	8	0.0	7.4	0.0
P-1/B-1	30	9.95	7.82	7.82	2.13	0.00	8	0.0	7.4	0.0
P-1/B-1	30	9.95	7.82	7.82	2.13	0.00	8	0.0	7.4	0.0
P-1/B-1	30	9.95	7.82	7.82	2.13	0.00	8	0.0	7.4	0.0
P-1/B-1	30	9.95	7.82	7.82	2.13	0.00	8	0.0	7.4	0.0

* Test well pipe may be higher than ground surface

** $R_{f=}(2d_1-\Delta d)/DIA)+1$

TABLE 1.2

BOREHOLE INFILTRATION TEST RESULTS
Los Angeles County Method (GS200.1, 06/01/11)

Project No. 2730.I
Client: Calabasas Nissan
By AS

Date: 9/13/16
Test Date 5/20/16

NOTE: Slowest or average rate from percolation testing used to calculate infiltration rate

Test Well/ Adj. Boring	Test Duration (min) Δt	Depth of Well (ft)	Depth to Water Initial* (ft)	Depth to Water Final (ft)	Initial Water Depth (ft) d_1	Water Level Drop (ft) Δd	Hole Diameter (inches) *DIA*	Preadjusted Percolation Rate (in/hr)	Reduction Factor R_f**	Infiltration Rate (in/hr) I_t
P-2/B-2	30	9.42	7.42	7.48	2.00	0.05	8	1.3	6.9	0.2
P-2/B-2	30	9.42	7.42	7.48	2.00	0.06	8	1.4	6.9	0.2
P-2/B-2	30	9.42	7.42	7.47	2.00	0.05	8	1.2	6.9	0.2
P-2/B-2	30	9.42	7.42	7.46	2.00	0.04	8	0.8	6.9	0.1
P-2/B-2	30	9.42	7.40	7.44	2.02	0.04	8	1.0	7.0	0.1
P-2/B-2	30	9.42	7.40	7.44	2.02	0.04	8	0.8	7.0	0.1
P-2/B-2	30	9.42	7.40	7.44	2.02	0.04	8	0.8	7.0	0.1
P-2/B-2	30	9.42	7.40	7.44	2.02	0.04	8	1.0	7.0	0.1

* Test well pipe may be higher than ground surface

** $R_f=(2d_1-\Delta d)/DIA)+1$

APPENDIX A

APPENDIX A

EXPLORATORY BORINGS AND TEST PITS

The subsurface conditions at the site were investigated by drilling and sampling a total of 11 exploratory borings and 6 test pits. Two of the hollow stem auger borings (B-101 and B-102) were performed as part of our current field investigation with the remainder being performed as part of our 2016 investigation. The borings were advanced to depths between 20 and 51 feet below the existing ground surface and the test pits were advanced to depths ranging from 5 to 13.5 feet. Four of the borings were terminated prior to the planned depth because of refusal in the dense bedrock. The exploration locations are shown on the Site Plan, Figure 2.

The borings were drilled using bucket EZ-bore auger, limited access auger rig, and truck-mounted hollow-stem auger equipment. Borings B-7 and B-9 were drilled using a large diameter bucket auger. Relatively undisturbed samples were obtained using a brass-ring lined sampler (ASTM D3550). The drive sampler has an inside diameter of 2.42 inches and an outside diameter of 3.25 inches. The brass rings have an inside diameter of 2.42 inches and a height of 1-inch. In addition, relatively disturbed bulk samples were obtained at various depths. The drive sampler is driven into the soil using a drop of 12 inches with a driving weight of the Kelly bar as shown.

RIG TYPE	DEPTH (ft)	KELLY BAR DRIVING WEIGHT (lbs)
Bucket Auger 24” (EZ-Bore)	0-29 30-57 58-85 86 – deeper	3615 2395 1310 450
Bucket Auger 24”	0-24 25 – deeper	1590 825

The number of blows needed to drive the sampler was recorded as the penetration resistance. It should be noted that the number of blows, in this case, is much lower than the standard penetration resistance because of the greater driving weight. At select locations bulk samples were taken from the auger’s cuttings and placed in sealed containers.

Borings B-1, B-2, B-5, B-6, B-8, B-101, and B-102 were drilled using the hollow-stem auger. Relatively undisturbed samples were obtained using a brass ring-lined sampler driven into the soil by a 140-pound “free-fall” hammer dropping 30 inches. The number of blows needed to drive the sampler into the soil was recorded as the penetration resistance. Due to the use of a “free-fall” hammer (rather than a hammer attached to a rope), the blow-counts recorded with the (D) sampler are approximately equal to the Standard Penetration Test blow-count (N_{60}). Drives less than 12 inches are denoted with the blow count per length of drive.

At selected locations, disturbed samples were obtained using a split-spoon sampler by means of the Standard Penetration Test (SPT, ASTM D 6066). The spoon sampler was driven into the soil by a 140-pound hammer dropping 30 inches. After an initial seating drive of 6 inches, the number of blows needed to drive the sampler into the soil a depth of 12 inches was recorded as the penetration resistance. These values are the raw uncorrected blowcounts.

Borings B-3 and B-4 were drilled using the limited access spiral auger rig. Relatively undisturbed samples were obtained using a brass-ring lined sampler (ASTM D3550). The drive sampler has an inside diameter of 2.42 inches and an outside diameter of 3.25 inches. The brass rings have an inside diameter of 2.42 inches and a height of 1-inch. In addition, relatively disturbed bulk samples were obtained at various depths. The drive sampler is driven into the soil using a drop of 12 inches with a driving weight of the Kelly bar. The number of blows needed to drive the sampler was recorded as the penetration resistance. It should be noted that the number of blows, in this case, is much lower than the standard penetration resistance because of the greater driving weight. At select locations bulk samples were taken from the auger's cuttings and placed in sealed containers.

The test pits were performed using a backhoe with a 24-inch wide bucket. The test pits were excavated to depths of 5 to 16 feet to expose the subsurface materials for observation and sampling by our Certified Engineering Geologist. Upon completion, the test pits were backfilled with the excavated materials.

The field exploration for the investigation was performed under the continuous technical supervision of GPI's representative, who visually inspected the site, maintained detailed logs of the borings, classified the soils encountered, and obtained relatively undisturbed samples for examination and laboratory testing. The soils encountered in the boring were classified in the field and through further examination in the laboratory in accordance with the Unified Soils Classification System. Detailed logs of the borings and test pits are presented in Figures A-1 through A-17 in this appendix. Borings B-3, B-4, B-7 and B-9, as well as the six test pits, were down-hole logged by our Engineering Geologist to evaluate bedding conditions.

The boring locations were laid out in the field by measuring from existing features at the site. Upon completion, the borings were backfilled with the excavated soil cuttings. The ground surface elevation at the boring location was estimated from Google Earth, and the concept study plan from AHT Architects, and should be considered approximate.

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS* This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	ELEVATION (FEET)
			B	0	5-INCH AC	
18.5		39	D		Fill: **CLAY (CL)** dark brown, very moist, very stiff, with sand, with siltstone gravel fragments	1085
18.5	93	27	D	5	Natural COLLUVIUM (Qc): **CLAY (CL)** dark brown, very moist, very stiff, with sand, with siltstone fragments, abundant white caliche	
20.8	97	27	D		@ 7 feet, trace siltstone gravel fragments	1080
13.6	98	24	D	10	**SANDY CLAY (CL)** dark brown, moist, very stiff, trace siltstone gravel, abundant caliche, minor porosity	1075
25.4	90	47	D	15	@ 15 feet, wet, hard, with gravel	1070
15.8	105	50/5"	D	20	@ 20 feet, moist	
8.9	111				UPPER TOPANGA FORMATION (Ttus): **SANDSTONE** brown, moist, very dense, with gravel, weathered	1065
19.4		43	S	25	**WEATHERED SILTSTONE** light brown, wet, medium dense	1060
15.8	80	50/5"	D	30	@ 30 feet, brown, moist, hard	1055
12.5		68	S	35	**SANDSTONE** grey, very moist, very dense, mottled with orange-brown iron oxide	1050

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 11-10-22

EQUIPMENT USED: 8 " HOLLOW STEM AUGER

GROUNDWATER LEVEL (ft): NOT ENCOUNTERED

GPI

PROJECT NO.: 3162.I

KIA CALABASAS

LOG OF BORING NO. B-101

FIGURE A-1

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
					This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
15.5	106	50/3"	D	40	@ 40 feet, wet	1045
14.3		50/6"	S	45	**SILTSTONE** grey, moist, hard	1040
12.0	120	82	D	50	**SANDSTONE** grey, wet, very dense, trace orange-brown	
					Total Depth 51 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 11-10-22

EQUIPMENT USED: 8 " HOLLOW STEM AUGER

GROUNDWATER LEVEL (ft): NOT ENCOUNTERED

GPI

PROJECT NO.: 3162.I

KIA CALABASAS

LOG OF BORING NO. B-101

FIGURE A-1

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	ELEVATION (FEET)
			B	0	4-INCH AC OVER 5-INCH BASE	1105
					Fill: **SANDY SILT (ML)** brown, moist, stiff	
12.0	89	13	D		Natural COLLUVIUM (Qc): **SILTY SAND (SM)** brown, moist, loose	
9.3	102	37	D	5	**SANDY SILT (ML)** brown, slightly moist, very stiff	1100
6.5	110	51	D		@ 7 feet, hard	
21.4	99	41	D	10	UPPER TOPANGA FORMATION (Ttus): **SILTSTONE** light brown, very moist, very stiff, weathered	1095
6.0	114	50/4"	D	15	**SANDSTONE** light grey, slightly moist, very dense	1090
14.3	115	50/3"	D	20	**SILTSTONE** grey, moist, hard	1085
7.9		50/4"	S	25	**SANDSTONE** brown, moist, very dense	1080
8.6	102	50/4"	D	30		1075
					Total Depth 31 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 11-10-22

EQUIPMENT USED: 8 " HOLLOW STEM AUGER

GROUNDWATER LEVEL (ft): NOT ENCOUNTERED

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PROJECT NO.: 3162.I

KIA CALABASAS

LOG OF BORING NO. B-102

FIGURE A-2

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
				0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
					3" PCC over 3" AB	
					Fill: **SANDY CLAY (CL)** dark brown, very moist, hard	
21.6	101	18	D			
			B			80
21.6	97	26	D	5	Natural: COLLUVIUM (Qc):**SANDY CLAY (CL)** dark brown, very moist, very stiff	
19.9	100	23	D		Below 7 feet, hard	
						75
19.8	102	30	D	10		
18.7		19	S			
30.1		20	S		Below 13 feet, wet	70
27.2		18	S	15		
37.8		25	S			65
				20	Total Depth 20 feet Well installed to depth of 10 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 5-18-16

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

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PROJECT NO.: 3162.I

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LOG OF BORING NO. B-1

FIGURE A-3

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
				0	Fill: **SANDY CLAY (CL)** brown, moist, stiff	
9.9	87	12	D			
			B			100
14.2	92	16	D	5	@ 5 feet, hard	
					Natural: COLLUVIUM (Qc): **SILTY SAND (SM)** brown, slightly moist, medium dense	
9.1	92	16	D			95
9.7	103	45	D	10	UPPER TOPANGA FORMATION (Ttus):**SANDSTONE** light brown, slightly moist, very dense	
8.1		53	S			
5.2		50/5"	S			90
5.8		50/5"	S	15		
6.3		50/5"	S			85
				20	Total depth 20 feet Well installed to depth of 9.5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 5-18-16

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

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LOG OF BORING NO. B-2

FIGURE A-4

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
				0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
					Fill: **SILT (ML)** brown, loose, dry	160
14.7			B		Natural: UPPER TOPANGA FORMATION (Ttus): **SILTSTONE** yellow brown and olive grey, moist @ 2.4 feet, B: N82E, 12NW, continuous 1-2" thick tuffaceous bed	
12.0			B	5	Below 4 feet, very hard	155
11.8			B			
15.8			B	10	@ 10 feet, very moist @ 11 feet, B: N84W, 18NE	150
21.5			B		@ 13 feet, wet	
2.8			B	15	**CONGLOMERATE** hard, dry, cemented gravel bed, well rounded, fine to medium	145
					SANDSTONE hard, grey, dry, fine to medium grained, massive throughout, moderately cemented	
2.3			B	20		140
6.7			B	25	Below 25 feet, slightly moist 26 to 28.5 feet, orange brown, oxidized zone	135
6.7			B	30		130
8.1			B	35		
					Total Depth 35 feet Refusal on hard, cemented layer	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 5-24-16

EQUIPMENT USED: 24 " Limited Access Auger

GROUNDWATER LEVEL (ft): Not Encountered

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PROJECT NO.: 3162.I

KIA CALABASAS

LOG OF BORING NO. B-3

FIGURE A-5

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
					This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
			B	0	Fill: **GRAVEL (GP)** with scattered organic debris	160
3.2	96	42/12"	D		Natural: UPPER TOPANGA FORMATION (Ttus):**SANDSTONE** orange brown, dry, highly oxidized, fine grained, massive, caliche in thin veinlets, fracture fillings	
3.0			B	5	Below 1.5 feet, J: N60E, 90deg, grey, fractures iron oxide stained and filled with caliche, joints 2-4" spacing	155
3.0			B		@ 8.5 feet, FZ: N81W, 53NE, steeply dipping fault/shear zone with sandstone above and gray siltstone below	
14.8			B	10	**SILTSTONE** grey, moist, massive, zone of shearing	150
					@ 11.5 feet, S: N73E, 47NW	
19.1	109	20/11"	D		@ 12.5 feet, N70E, 77NW Below 13 feet, wet	
20.3	109	26/12"	D	15		145
					@ 17.5 feet, S: N72E, 63NW, slicken sides sub horizontal	
18.7	109	20/12"	D	20		140
					Total Depth 22 feet Refusal on hard, cemented layer	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 5-24-16

EQUIPMENT USED: 24 " Limited Access Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 3162.I

KIA CALABASAS

LOG OF BORING NO. B-4

FIGURE A-6

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
					This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
			B	0	2" AC over 4" AB	110
25.4	70	13	D		Fill: **SANDY CLAY (CH)** brown with white, very moist, stiff, caliche	
19.7	67	19	D	5		105
19.5	84	32	D		Natural: COLLUVIUM (Qc):**SANDY CLAY (CL)** greyish brown with white, wet, very stiff, caliche shale fragments	
19.4	94	46	D	10	@ 10 feet, slightly moist, hard	100
27.7	84	46	D	15		95
35.9	77	34	D		UPPER TOPANGA FORMATION (Ttus):**SILTSTONE** white with brown streaks, wet, very stiff, caliche	
21.3	98	48	D	20	@ 20 feet, hard	90
15.2	115	97/11"	D	25	@ 25 feet, greyish brown, very moist, hard, trace caliche	85
15.6	111	50/5"	D	30		80
					Total depth of 31 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 5-19-16

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 3162.I

KIA CALABASAS

LOG OF BORING NO. B-5

FIGURE A-7

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS* This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	ELEVATION (FEET)
				0	3" AC over 4" AB	
14.7	79	10	D		Fill: **SANDY CLAY (CH)** dark brown, slightly moist, firm, with roots, trace gravel	135
12.1	78	20	D	5	Natural: COLLUVIUM (Qc): **SILT (ML)** dark brown with white, moist, stiff, porosity, trace sand, caliche	
9.6	85	24	D		@ 7 feet, very stiff	130
11.2	95	80/10"	D	10	UPPER TOPANGA FORMATION (Ttus):**SILTSTONE** light brown with white, moist, hard	
10.3	104	90	D			125
				15	@ 15 feet light brown, trace sand	
9.1	107	50/6"	D		@ 16 feet, slightly moist	120
7.8	92	50/3"	D	20	**SANDSTONE** light brown, moist, hard	
9.1	99	50/1"	D	25		115
5.8						110
8.8	105	50/3"	D	30	@ 30 feet, trace gravel	
						105
18.1	118	50/3"	D	35	**SANDY SILTSTONE** light brown, wet, hard	
7.2	124	50/4"	D		Total depth of 40 feet	100

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 5-19-16

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): 34

GPI

PROJECT NO.: 3162.I

KIA CALABASAS

LOG OF BORING NO. B-6

FIGURE A-8

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
				0	Fill:**SILTY CLAY** light brown, dry	
					Natural: COLLUVIUM (Qc):**SILTY CLAY (CL)** dark brown, moist, stiff, colluvium, with sparse shale fragments,	150
6.2	114	5/9"	D	5	UPPER TOPANGA FORMATION (Ttus):**SILTSTONE** grey with whitish caliche, massive-poorly bedded, weathered, hard, B:N70E, 34NW	
16.4	108	5/12"	D		**SANDSTONE** light brownish grey, slightly moist, fine grained, massive, very tight, no visible fractures	145
16.5	108	5/12"	D	10	**SILTSTONE** grey, very moist, very hard, poorly bedded B: N66E, 38NW @ 9.5 feet B: N61E, 38NW @ 10.5 feet, B: N56E, 33NW	
12.7	107	5/6"	D		**SANDSTONE** yellow brown, very moist, hard, massive	140
12.3	115	5/8"	D	15		
						135
					Total depth of 18 feet Refusal on hard, cemented layer	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 5-18-16

EQUIPMENT USED: 28 " EZ-Bore

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 3162.I

KIA CALABASAS

LOG OF BORING NO. B-7

FIGURE A-9

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
					This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
			B	0	3" AC over 4" AB	
11.0	85	21	D		Natural: COLLUVIUM (Qc):**SANDY CLAY (CL)** dark brown with white, slightly moist, stiff, porosity	135
14.8	100	57	D	5	UPPER TOPANGA FORMATION (Ttus):**SILTSTONE** light brown with white, moist, hard, weathered, caliche	
6.2	97	34	D		@ 7 feet, slightly moist, very stiff, with sand	130
5.9	98	84/12"	D	10	Below 10 feet, hard, dry	
4.8	86	67/10"	D		Below 13 feet, light yellow brown, no caliche	125
4.8	94	68/10"	D	15		120
24.1	97	50	D	20	@ 20 feet, wet	115
11.2	107	50/5"	D	25	**SILTSTONE** light brownish yellow, slightly moist, hard	110
10.5	95	50/3"	D	30	**SANDSTONE** light brown, very moist, hard	
					Total Depth 31 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 5-19-16

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): 31

GPI

PROJECT NO.: 3162.I

KIA CALABASAS

LOG OF BORING NO. B-8

FIGURE A-10

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
				0	3" AC over 5" AB	
10.9	84	5/6"	D		UPPER TOPANGA FORMATION (Ttus): **SILTSTONE** mottled grey and brown, moist, hard, massive, vaguely bedded, with whitish caliche on fracture surfaces	145
					@ 3.5 feet, B: N52W, 16NE	
8.3	86	5/6"	D	5	@ 5.5 feet, B: N53W, 12NE	
13.5	100	4/6"	D		@ 7.5 feet, B: N53W, 13NE	140
15.8	100	5/6"	D	10		
					SANDSTONE grey, dry, fine to medium grained, massive, poorly cemented, easily friable, micaceous	135
4.2	99	4/6"	D		Below 13.5 feet, yellow brown, tight, unfractured, trace rounded gravel	
0.8	234	5/10"	D	15		130
6.3	83	4/5"	D	20	**CONGLOMERATE** slightly moist, hard, cemented, massive, well rounded with cobble	
					SANDSTONE yellow brown, moist, tight, fine grained, massive, unfractured	125
6.6	89	5/6"	D	25		120
15.6	110	5/6"	D	30	**CONGLOMERATE** cemented bed, clasts rounded, undulatory channel into sandstone below Generalized Bedding: N50W, 10NE	
					SANDSTONE grey, wet, fine grained, massive, tight	115
14.3	116	9/12"	D	35	From 35 to 36.5 feet, carbonate cemented zone, very hard, irregular	
					@ 37.5 feet, 1/4-inch thick clayey shear zone, irregular S: N65W, 46NE	110

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 5-18-16

EQUIPMENT USED: 28 " EZ-Bore

GROUNDWATER LEVEL (ft): 46

GPI

PROJECT NO.: 3162.I

KIA CALABASAS

LOG OF BORING NO. B-9

FIGURE A-11

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
					This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
15.0	119	11/12"	D	40	**SANDSTONE** grey, wet, fine grained, massive, tight @ 40 feet, S: N51W, 41NE, sheared clayey zone, grey @ 42 feet, S: N55W, 44NE, oxidation along shear surface, continuous, thin clay shear	105
12.2	111	10/6"	D	45		100
					Total Depth 49 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 5-18-16

EQUIPMENT USED: 28 " EZ-Bore

GROUNDWATER LEVEL (ft): 46

GPI

PROJECT NO.: 3162.I

KIA CALABASAS

LOG OF BORING NO. B-9

FIGURE A-11

PROBE (in)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
						Fill: **SILTY SAND (SM)** yellow brown, slightly moist, with rootlets, 3/4" PVC water lines, porous	
						Natural: COLLUVIUM (Qc) **SILTY SAND (SM)** orange brown, slightly moist, porous, with roots to 1/2-inch diameter	110
					5	Gradational contact with sandstone below	
						UPPER TOPANGA FORMATION (Ttus):**SANDSTONE** yellow and orange brown, fine grained, irregular discontinuous pebble and cobble beds, slightly moist, very dense	
						Total Depth 6 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 5-24-16
EQUIPMENT USED: 24" Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 3162.I
KIA CALABASAS

LOG OF BORING NO. TP-1

FIGURE A-12

PROBE (in)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
					0	Fill: **SILTY CLAY (CH)** brown, slightly moist to moist, firm to stiff, with sand and whitish shale fragments, trace porosity with caliche as small irregular masses, tubules	110
					5		105
					10	Natural: COLLUVIUM (Qc): **SILTY CLAY (CL)** dark brown, moist, stiff, with shale fragments, calcium abundant as irregular tubules, few roots	100
						Total Depth 13.5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 5-24-16
EQUIPMENT USED: 24" Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 3162.I
KIA CALABASAS

LOG OF BORING NO. TP-2

FIGURE A-13

PROBE (in)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
						This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
					0	Natural: Residual: **CLAYEY SILT (ML)** brown, dry to slightly moist, loose, with shale fragments, crumbly with roots to 1-inch diameter	160
						UPPER TOPANGA FORMATION (Ttus):**SILTSTONE** yellow brown and grey, hard, massive, vaguely bedded, moderately fractured	
					5	@ 2 feet, B: N36W, 16NE	
						@ 3.5 feet, B: N71W, 15NE, white, weathered 1 to 2-inch thick tuff bed, continuous B: N66W, 15NE	
						Total Depth 5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 5-24-16
EQUIPMENT USED: 24" Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 3162.I
KIA CALABASAS

LOG OF BORING NO. TP-3

FIGURE A-14

PROBE (in)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)		ELEVATION (FEET)
					0	Natural: COLLUVIUM (Qc): **SILTY CLAY (CL)** dark brown, slightly moist, firm to stiff, porous, few roots, with shale fragments	135
					5	Below 1.5 feet, abundant white caliche in thin veinlets	
						UPPER TOPANGA FORMATION (Ttus): **SILTSTONE** olive grey, very tight, highly weathered into 1/2 to 1-inch diameter pieces with caliche, no continuous structure, massive	130
					10	Below 9 feet, less weathered, massive siltstone	
						Total Depth 11 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 5-24-16
EQUIPMENT USED: 24" Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 3162.I
KIA CALABASAS

LOG OF BORING NO. TP-4

FIGURE A-15

PROBE (in)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
						This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
					0	Natural: Residual: **SILTY CLAY (CL)** dark brown, dry, many roots to 1/2-inch diameter	
						UPPER TOPANGA FORMATION (Ttus):**SILTSTONE** yellow brown, hard, poorly bedded	145
					5		
							140
					10	@ 9.5 feet, 6-inch thick orange weathering carbonate bed, overall slightly fractured, very tight @ 11 feet, B: N76E, 13NW	
							135
					15	**SANDSTONE** grey, slightly moist, easily friable, massive	
						Total Depth 16 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 5-24-16
EQUIPMENT USED: 24" Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 3162.I
KIA CALABASAS

LOG OF BORING NO. TP-5

FIGURE A-16

PROBE (in)	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)		ELEVATION (FEET)
					0	Natural: COLLUVIUM (Qc): **SILTY CLAY (CL)** dark brown, slightly moist, firm, very porous, trace shale, roots and rootlets to 1/2-inch diameter	
					5	**SANDY SILT (ML)** yellow brown, slightly moist, very porous, with shale fragments	120
					10	UPPER TOPANGA FORMATION (Ttus):**SANDSTONE** yellow brown, fine grained, massive, slightly moist	115
						Total Depth 11.5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 5-24-16
EQUIPMENT USED: 24" Backhoe
GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 3162.I
KIA CALABASAS

LOG OF BORING NO. TP-6

FIGURE A-17

APPENDIX B

APPENDIX B

LABORATORY TESTS

INTRODUCTION

Representative undisturbed soil samples and bulk samples were carefully packaged in the field and sealed to prevent moisture loss. The samples were then transported to our Cypress office for examination and testing assignments. Laboratory tests were performed on selected representative samples as an aid in classifying the soils and to evaluate the physical properties of the soils affecting foundation design and construction procedures. Detailed descriptions of the laboratory tests are presented below under the appropriate test headings. Test results are presented in the figures that follow.

MOISTURE CONTENT AND DRY DENSITY

Moisture content and dry density were determined from a number of the ring samples. The samples were first trimmed to obtain volume and wet weight and then dried in accordance with ASTM D2216. After drying, the weight of each sample was measured, and moisture content and dry density were calculated. Moisture content and dry density values are presented on the boring logs in Appendix A.

GRAIN SIZE DISTRIBUTION

Selected soil samples were dried, weighed, soaked in water until individual soil particles were separated, and then washed on the No. 200 sieve. That portion of the material retained on the No. 200 sieve was oven-dried and weighed to determine the percentage of the material passing the No. 200 sieve. (ASTM D1140) The percentages passing the No. 200 sieve are tabulated below.

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	PERCENT PASSING No. 200 SIEVE
B-1	11	Sandy Clay (CL)	59
B-2	11	Silty Sand (SM)	32
B-101	0-5	Clay (CL) with Sand	78
B-101	10	Sandy Clay (CL)	51
B-102	5	Sandy Silt (ML)	50
B-102	15.5	Siltstone	50

ATTERBERG LIMITS

Liquid and plastic limits were determined for select samples in accordance with ASTM D4318. The results of the Atterberg Limits tests are presented in Figure B-1.

CONSOLIDATION

One-dimensional consolidation testing was performed on undisturbed samples in accordance with ASTM D 2435. After trimming the ends, the samples were placed in the consolidometer and loaded to 0.25 and 0.4 ksf. Thereafter, the samples were incrementally loaded to a maximum load of 25.6 and 32 ksf. The samples were inundated at 1 and 1.6 ksf. Sample deformation was measured to 0.0001 inch. Rebound behavior was investigated by unloading the samples back to 0.25 and 0.4 ksf. Results of the consolidation tests, in the form of percent consolidation versus log pressure, are presented in Figures B-2 to B-5.

DIRECT SHEAR

Direct shear tests were performed on undisturbed samples in accordance with ASTM D3080. The samples were placed in the shear machine, and a normal load comparable to the in-situ overburden stress was applied. The samples were inundated, allowed to consolidate, and then were sheared to failure. The tests were repeated on additional test specimens under increased normal loads. Shear stress and sample deformation were monitored throughout the test. For samples B-4 @ 20-feet, and B-6 @ 13-feet multiple passes were made on the specimens at a strain rate of 0.025, and 0.04 inches per minute respectively. Shear stress and sample deformation were monitored throughout the tests. The results of the direct shear tests are presented in Figures B-6 to B-13.

COMPACTION TEST

A maximum dry density/optimum moisture test was performed in accordance with ASTM D 1557 on a representative bulk sample of the site soils. The test results are as follows:

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)
B-5	0-5	Sandy Clay (CH)	108	17.0
B-101	0 – 5	Clay (CL) with Sand	108	18

R-VALUE

Suitability of the near-surface soils for pavement support was evaluated by conducting an R-Value test. The test was performed in accordance with ASTM D 2844 by Geologic Associates under subcontract to GPI. The result of the test is as follows:

BORING NO.	DEPTH (ft.)	SOIL DESCRIPTION	R-VALUE BY EXPANSION
B-1	0-5	Sandy Clay (CL)	7

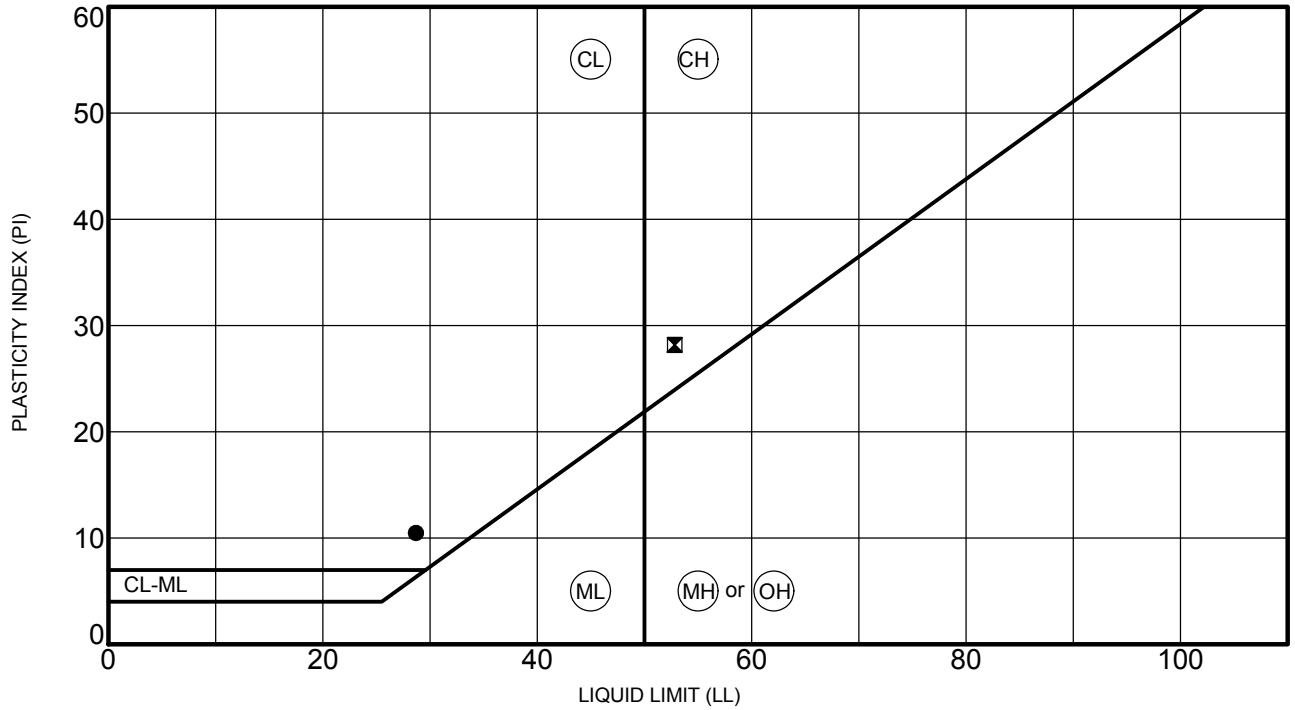
EXPANSION INDEX

An expansion index test was performed on a bulk sample. The test was performed in accordance with ASTM D4829, to assess the expansion potential of on-site soils. The results of the test are summarized below:

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	EXPANSION INDEX
B-1	0-5	Sandy Clay (CL)	7
B-101	0 – 5	Clay (CL) with Sand	65

CORROSIVITY

Soil corrosivity testing was performed by HDR a soil samples provided by GPI. The test results are summarized in Table 1 of this Appendix.



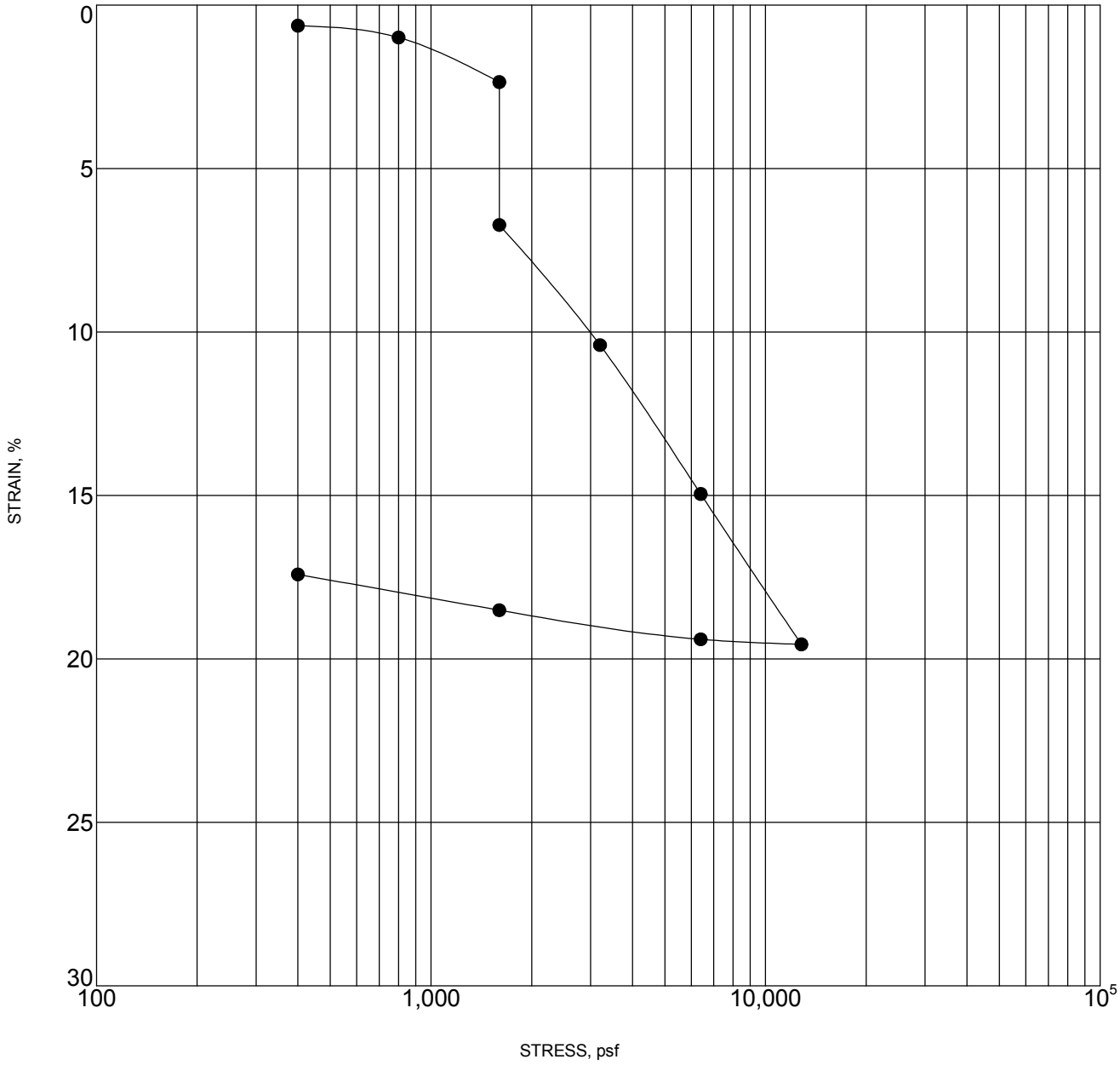
	SAMPLE LOCATION		LL	PL	PI	Fines, %	Classification
●	B-2	0.0	29	18	10		CLAY (CL)
⊠	B-5	0.0	53	25	28		SANDY CLAY (CH)

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ATTERBERG LIMITS TEST RESULTS

FIGURE B-1



Sample inundated at 1600 psf

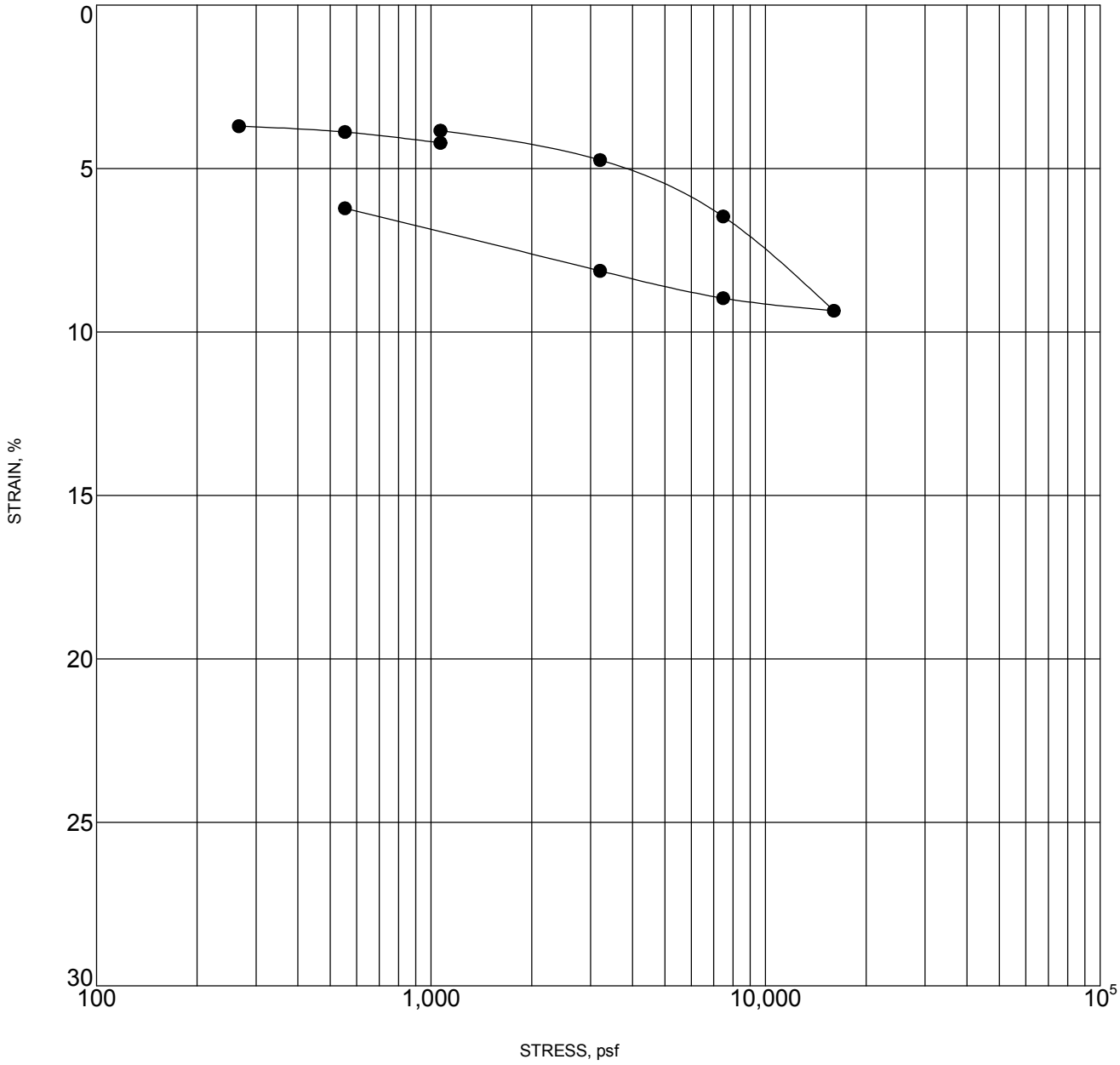
	Sample Location		Classification	DD,pcf	MC,%
●	B-5	5.0	FILL - SANDY CLAY (CH)	67	19.7

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CONSOLIDATION TEST RESULTS

FIGURE B-2



Sample inundated at 1000 psf

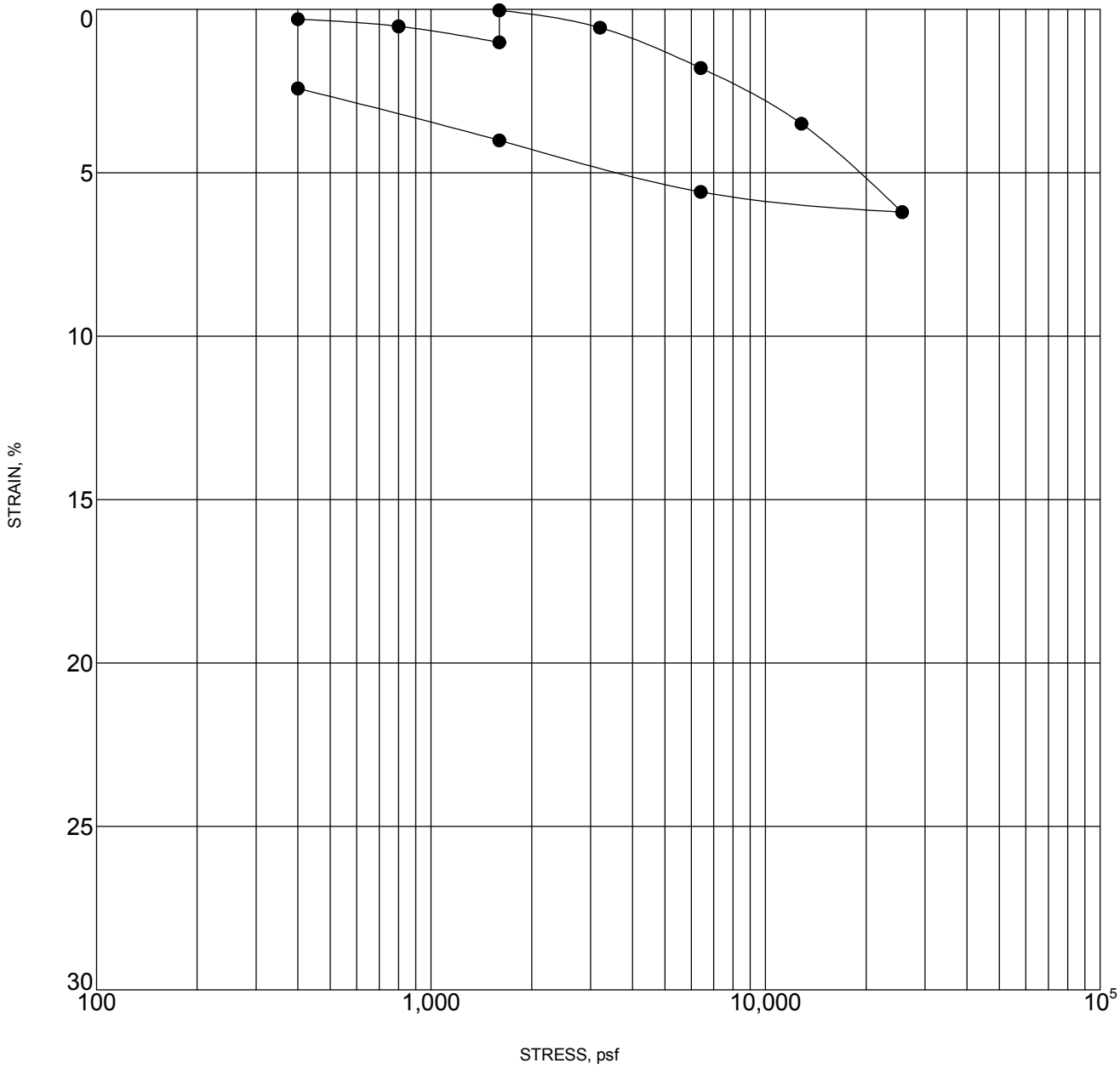
	Sample Location		Classification	DD,pcf	MC,%
●	B-5	13.0	SANDY CLAY (CL)	84	27.7

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CONSOLIDATION TEST RESULTS

FIGURE B-3



Sample inundated at 1600 psf

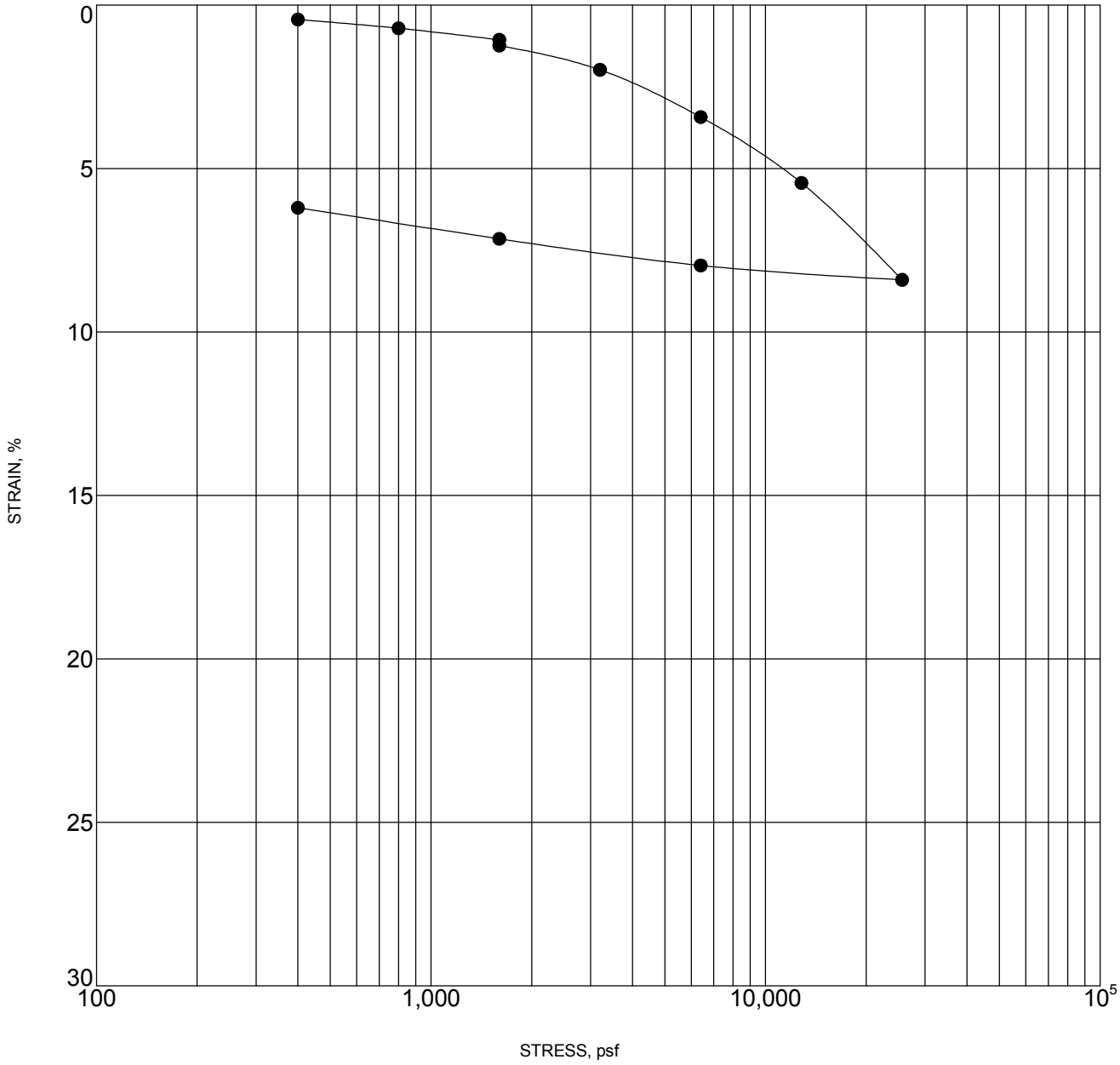
	Sample Location		Classification	DD,pcf	MC,%
●	B-101	5.0	CLAY (CL)	93	18.5

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CONSOLIDATION TEST RESULTS

FIGURE B-4



Sample inundated at 1600 psf

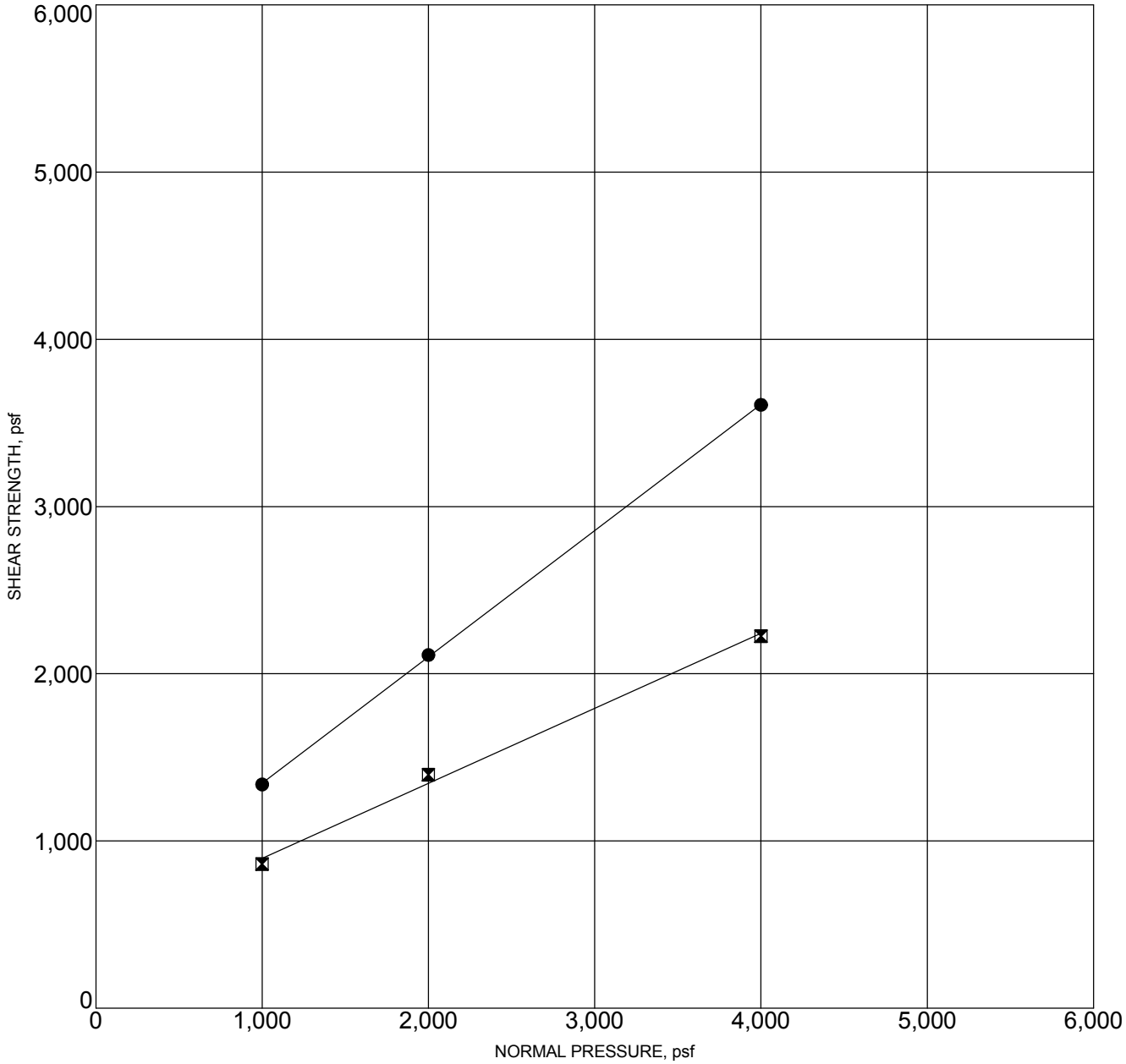
	Sample Location		Classification	DD,pcf	MC,%
●	B-101	10.0	SANDY CLAY (CL)	98	13.6

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CONSOLIDATION TEST RESULTS

FIGURE B-5



● **PEAK STRENGTH**
Friction Angle= 37 degrees
Cohesion= 590 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 24 degrees
Cohesion= 448 psf

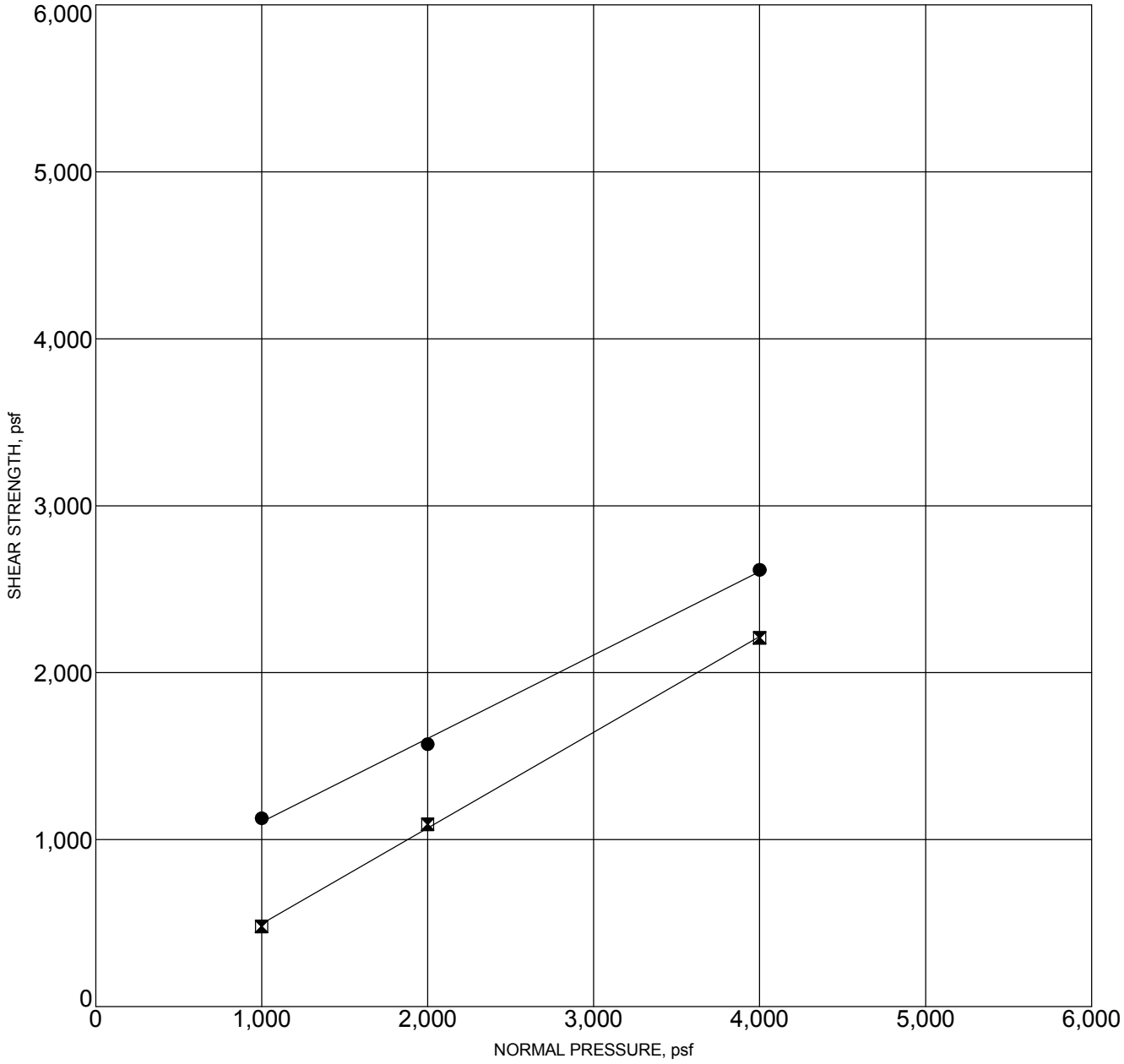
Sample Location		Classification	DD,pcf	MC,%
B-4	13.0	SILTSTONE	109	19.1

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DIRECT SHEAR TEST RESULTS

FIGURE B-6



● **PEAK STRENGTH**
Friction Angle= 27 degrees
Cohesion= 606 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 29 degrees
Cohesion= 0 psf

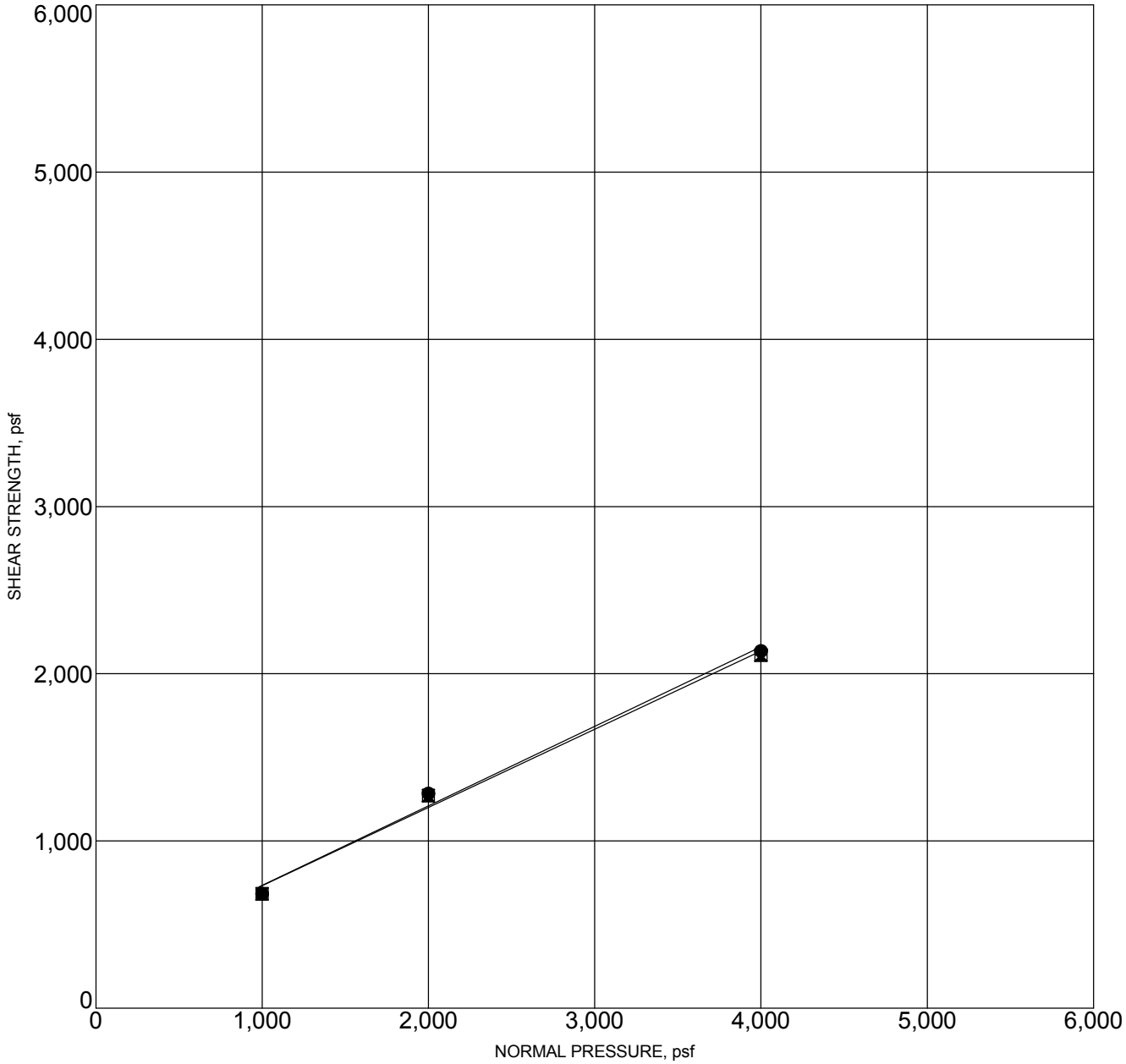
Sample Location		Classification	DD,pcf	MC,%
B-4	20.0	SILTSTONE	109	18.7

PROJECT: KIA CALABASAS PROJECT NO.: 3162.I

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DIRECT SHEAR TEST RESULTS

FIGURE B-7



● **PEAK STRENGTH**
Friction Angle= 25 degrees
Cohesion= 258 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 25 degrees
Cohesion= 264 psf

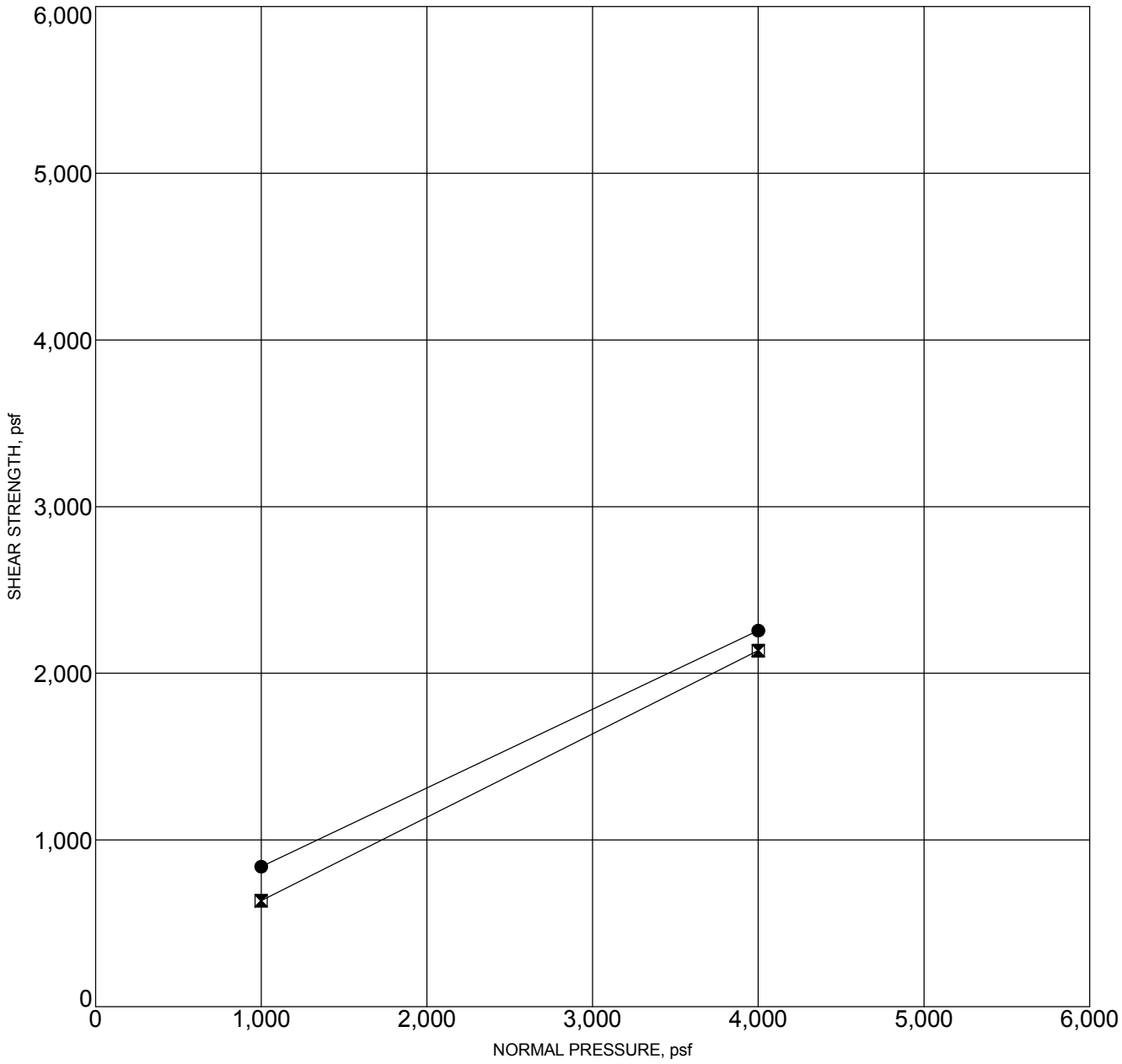
Sample Location		Classification	DD,pcf	MC,%
B-5	7.0	SANDY CLAY (CL)	84	19.5

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DIRECT SHEAR TEST RESULTS

FIGURE B-8



● **PEAK STRENGTH**
Friction Angle= 25 degrees
Cohesion= 368 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 27 degrees
Cohesion= 136 psf

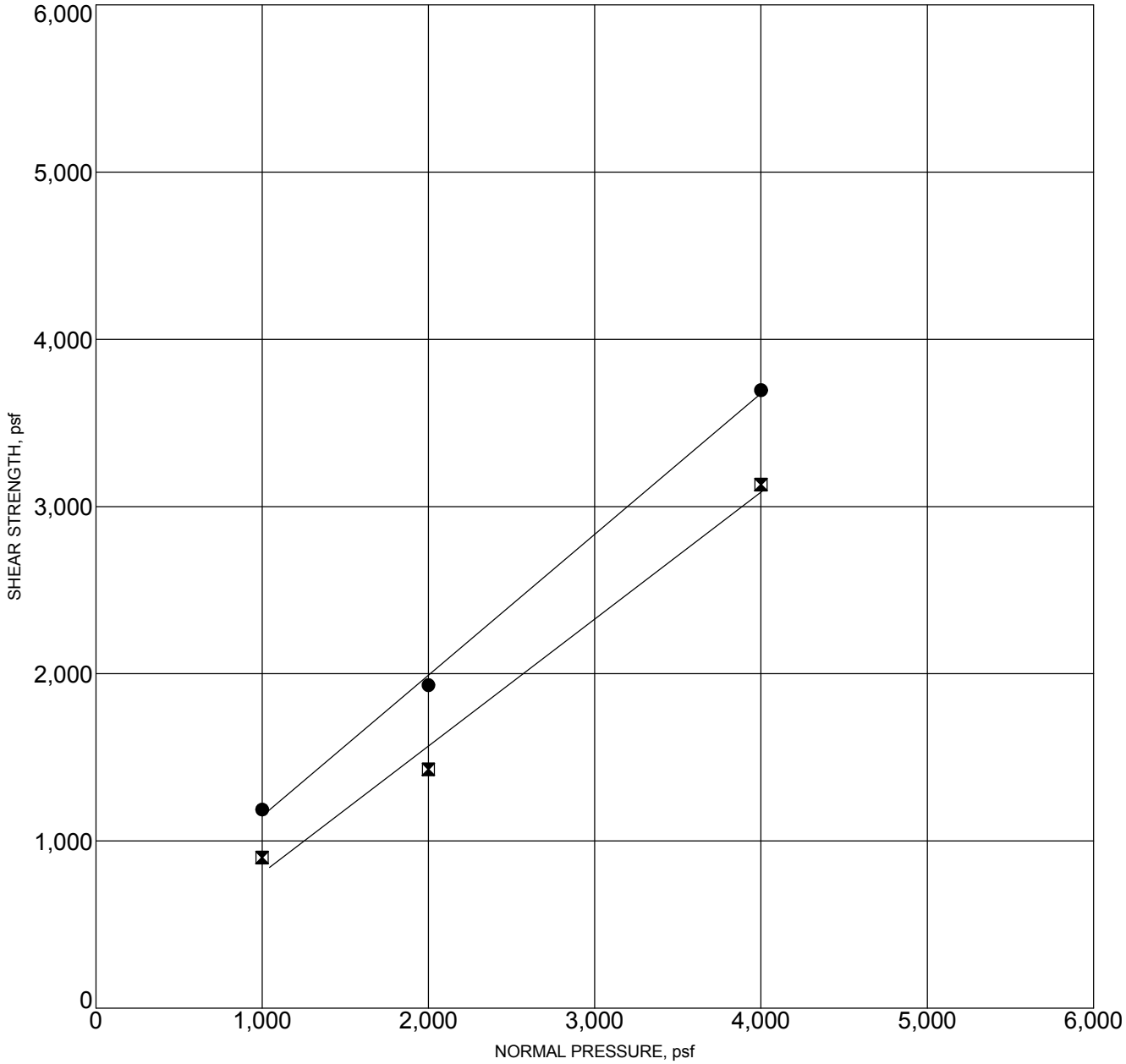
Sample Location		Classification	DD,pcf	MC,%
B-6	13.0	SILTSTONE	104	10.3

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DIRECT SHEAR TEST RESULTS

FIGURE B-9



● **PEAK STRENGTH**
Friction Angle= 40 degrees
Cohesion= 306 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 37 degrees
Cohesion= 48 psf

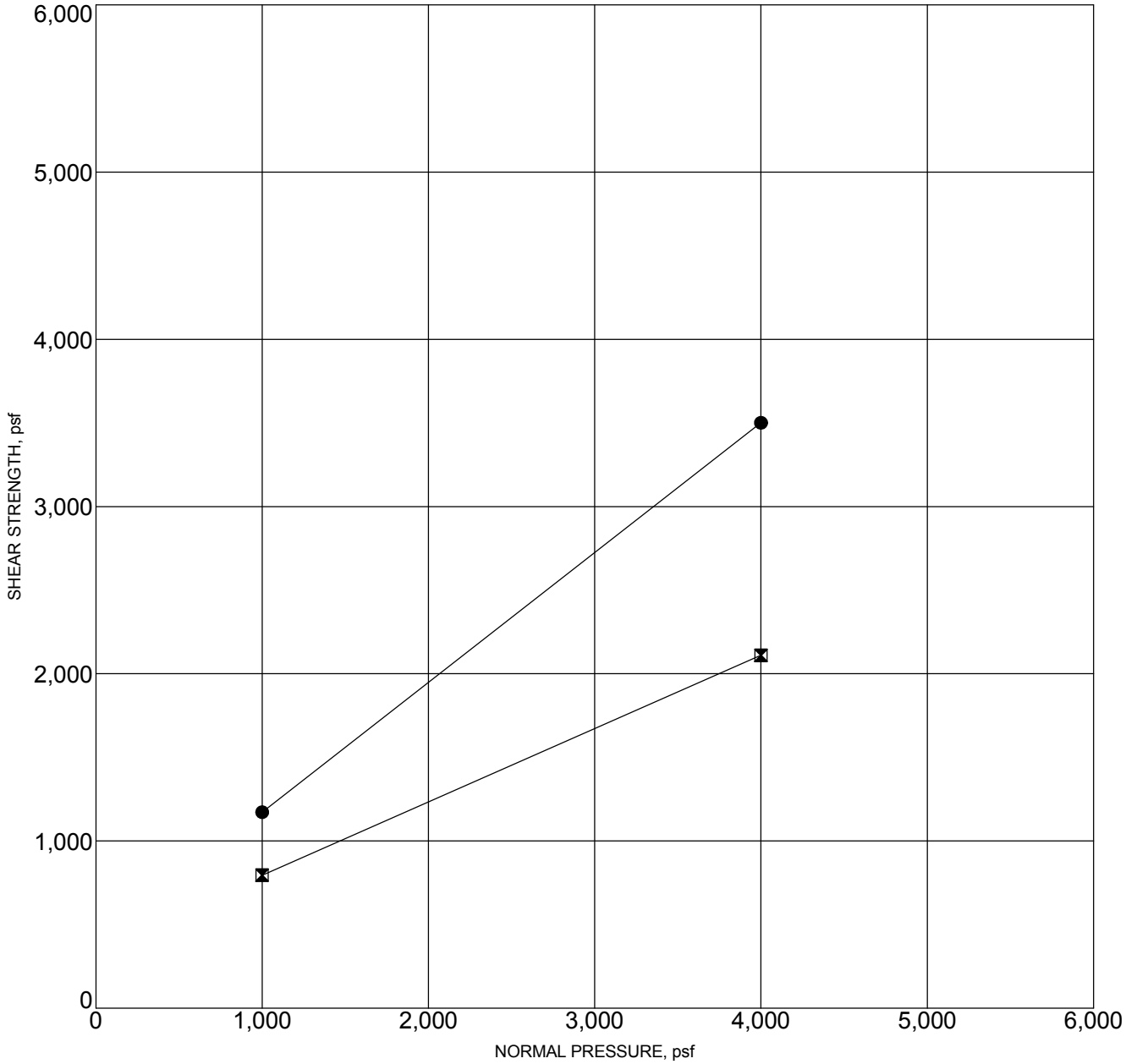
Sample Location		Classification	DD,pcf	MC,%
B-8	10.0	SILTSTONE	98	5.9

PROJECT: KIA CALABASAS PROJECT NO.: 3162.I

GPI

DIRECT SHEAR TEST RESULTS

FIGURE B-10



● **PEAK STRENGTH**
Friction Angle= 38 degrees
Cohesion= 396 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 24 degrees
Cohesion= 357 psf

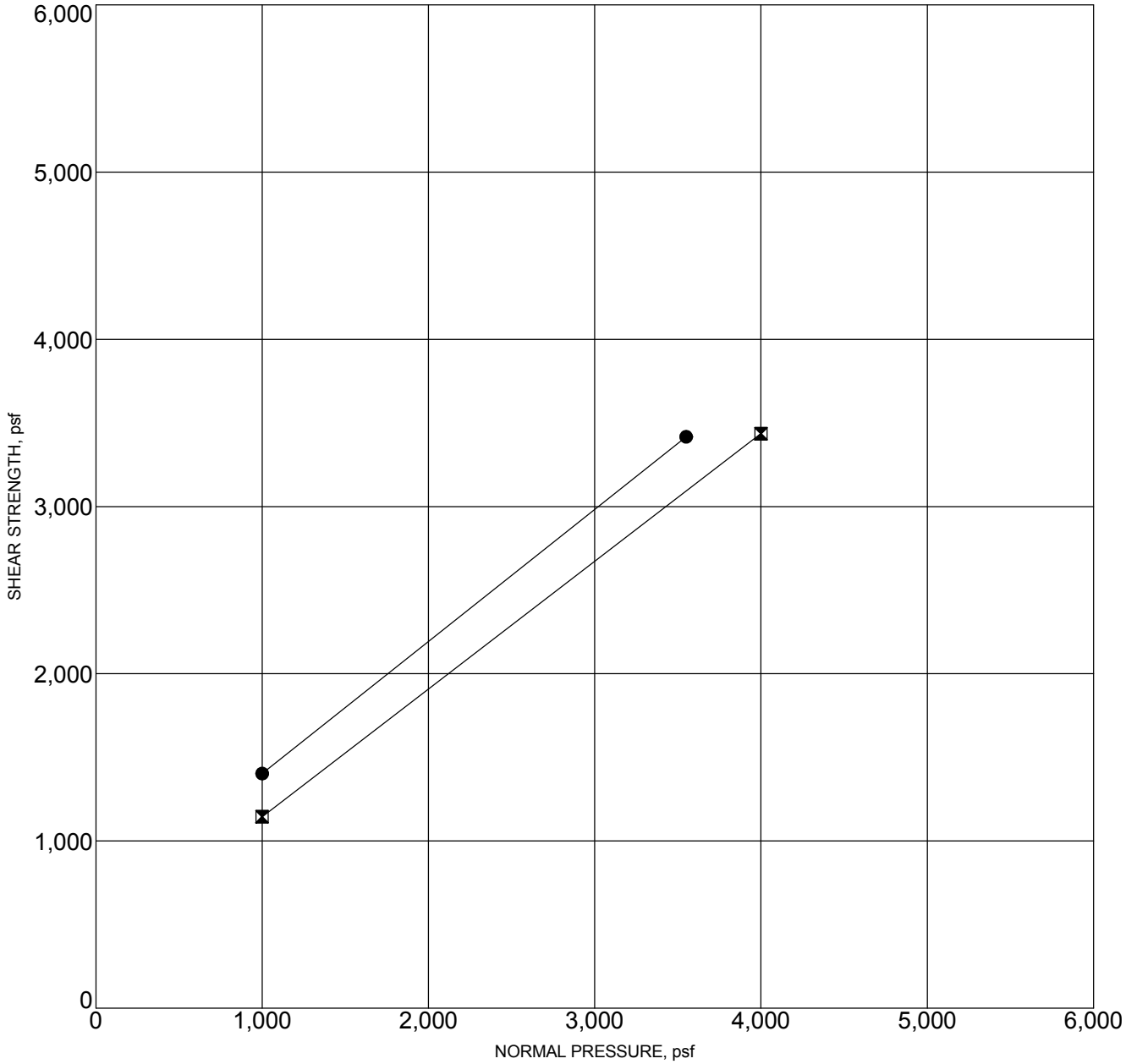
Sample Location		Classification	DD,pcf	MC,%
B-9	7.0	SILTSTONE	100	13.5

PROJECT: KIA CALABASAS PROJECT NO.: 3162.I

GPI

DIRECT SHEAR TEST RESULTS

FIGURE B-11



● **PEAK STRENGTH**
Friction Angle= 38 degrees
Cohesion= 613 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 37 degrees
Cohesion= 381 psf

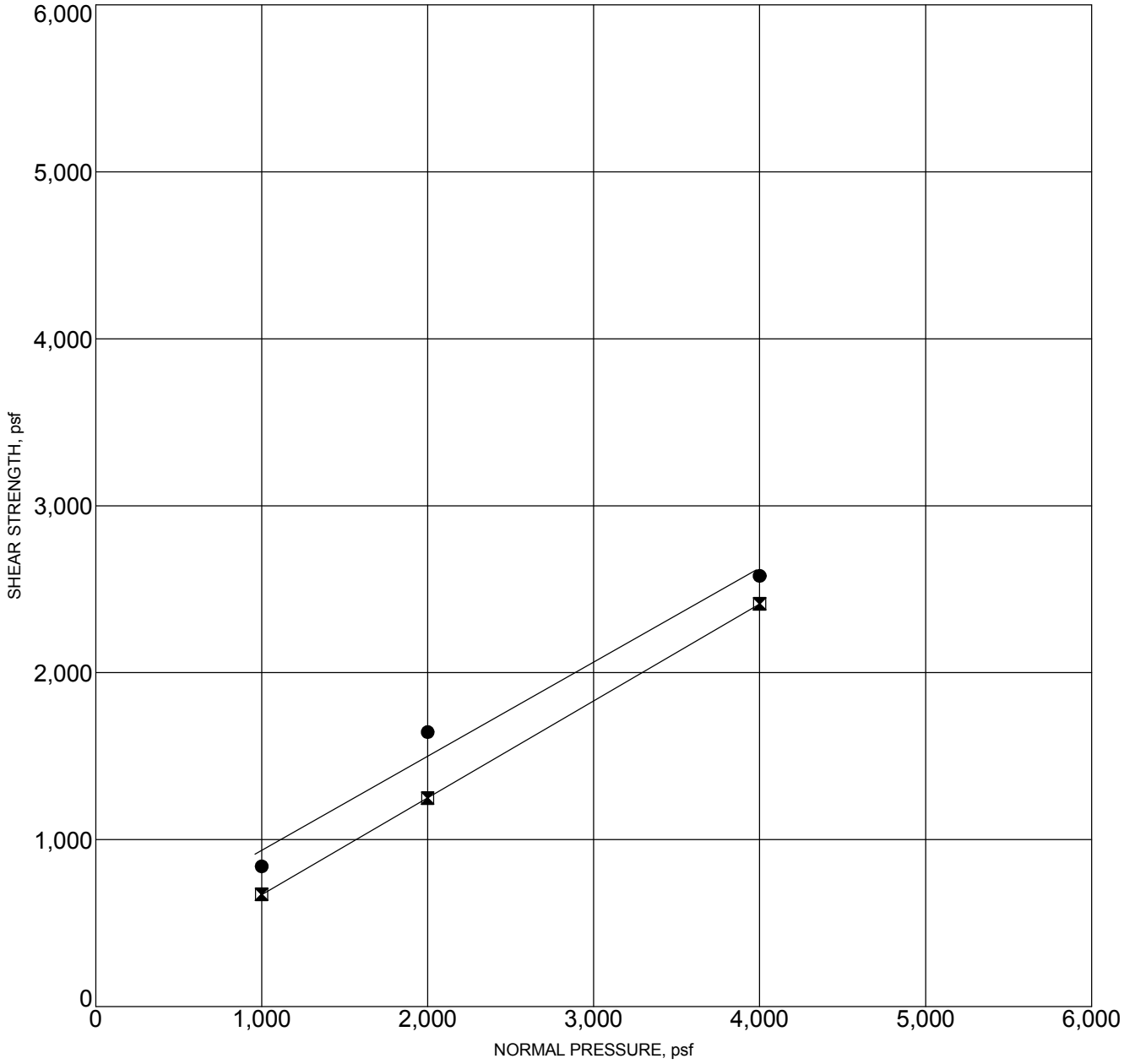
Sample Location		Classification	DD,pcf	MC,%
B-9	13.0	SANDSTONE	99	4.2

PROJECT: KIA CALABASAS PROJECT NO.: 3162.I

GPI

DIRECT SHEAR TEST RESULTS

FIGURE B-12



● **PEAK STRENGTH**
Friction Angle= 29 degrees
Cohesion= 372 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 30 degrees
Cohesion= 90 psf

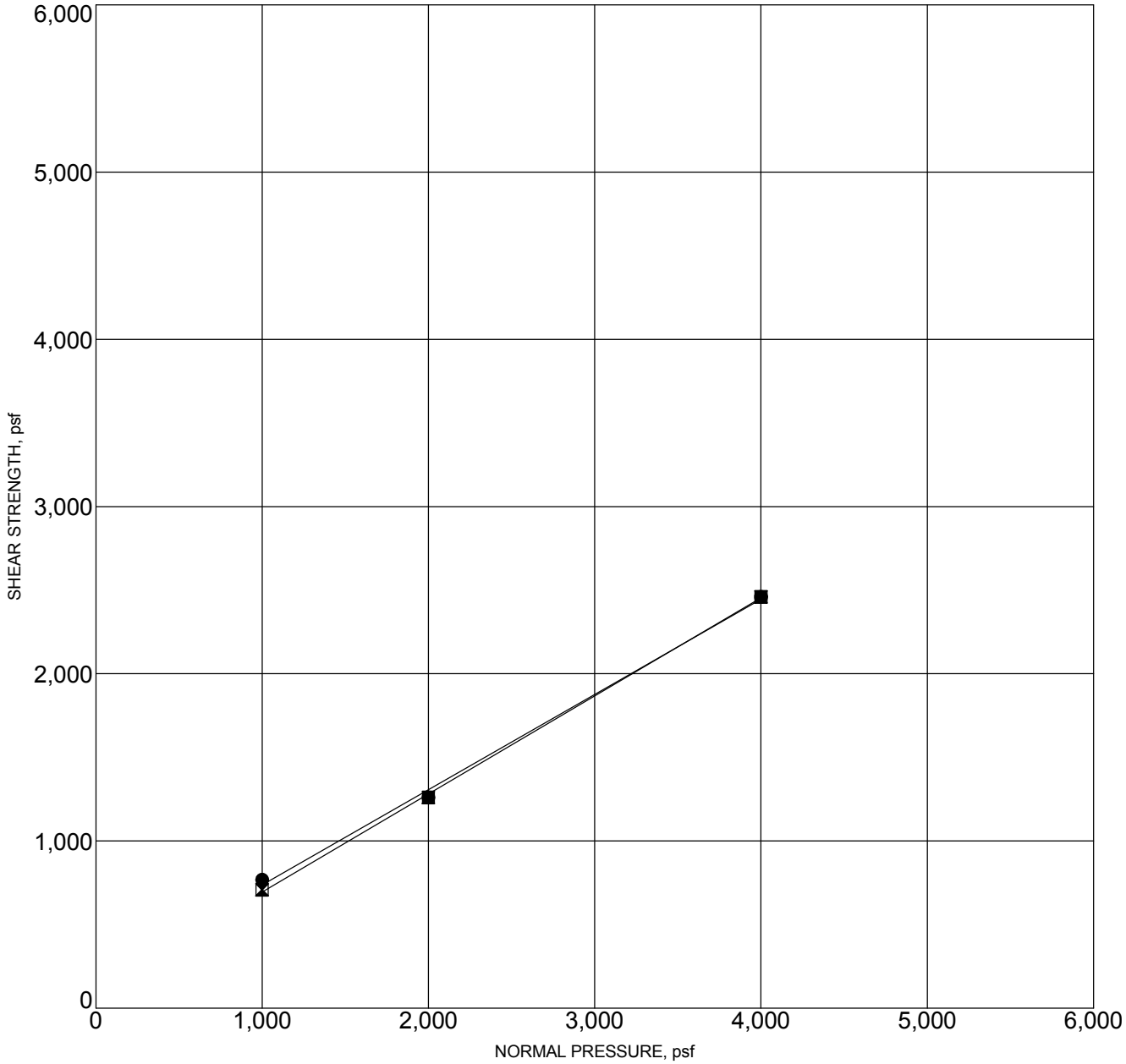
Sample Location		Classification	DD,pcf	MC,%
B-101	7.0	CLAY (CL)	97	20.8

PROJECT: KIA CALABASAS PROJECT NO.: 3162.I

GPI

DIRECT SHEAR TEST RESULTS

FIGURE B-13



● **PEAK STRENGTH**
Friction Angle= 30 degrees
Cohesion= 168 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 30 degrees
Cohesion= 108 psf

Sample Location		Classification	DD,pcf	MC,%
B-102	5.0	SANDY SILT (ML)	102	9.3

PROJECT: KIA CALABASAS PROJECT NO.: 3162.I

GPI

DIRECT SHEAR TEST RESULTS

FIGURE B-14

Table 1 - Laboratory Tests on Soil Samples

Geotechnical Professionals, Inc.
Calabasas
Your #2730.I, HDR Lab #16-0402LAB
31-May-16

Sample ID			B-2 @ 0-5'	B-8 @ 0-5'
Resistivity		**Units**		
as-received		ohm-cm	12,000	52,000
saturated		ohm-cm	440	1,040
pH			6.7	7.0
Electrical Conductivity		mS/cm	1.51	0.29
Chemical Analyses				
Cations				
calcium	Ca^{2+}	mg/kg	780	146
magnesium	Mg^{2+}	mg/kg	107	7.3
sodium	Na^{1+}	mg/kg	323	27
potassium	K^{1+}	mg/kg	150	57
Anions				
carbonate	CO_3^{2-}	mg/kg	ND	ND
bicarbonate	HCO_3^{1-}	mg/kg	174	250
fluoride	F^{1-}	mg/kg	2.0	1.4
chloride	Cl^{1-}	mg/kg	438	14
sulfate	SO_4^{2-}	mg/kg	1,750	65
phosphate	PO_4^{3-}	mg/kg	3.5	ND
Other Tests				
ammonium	NH_4^{1+}	mg/kg	ND	ND
nitrate	NO_3^{1-}	mg/kg	2,240	616
sulfide	S^{2-}	qual	na	na
Redox		mV	na	na

Resistivity per ASTM G187, Cations per ASTM D6919, Anions per ASTM D4327, and Alkalinity per APHA 2320-B.
Electrical conductivity in millisiemens/cm and chemical analyses were made on a 1:5 soil-to-water extract.
mg/kg = milligrams per kilogram (parts per million) of dry soil.
Redox = oxidation-reduction potential in millivolts
ND = not detected
na = not analyzed

431 West Baseline Road · Claremont, CA 91711
Phone: 909.962.5485 · Fax: 909.626.3316

Table 1 - Laboratory Tests on Soil Samples

Geotechnical Professionals, Inc.
KIA Calabasas
Your #3162.I, HDR Lab #22-1094LAB
21-Nov-22

Sample ID			B-101 @ 0-5'
Resistivity		**Units**	
as-received		ohm-cm	4,400
saturated		ohm-cm	1,000
pH			7.9
Electrical Conductivity		mS/cm	0.16
Chemical Analyses			
Cations			
calcium	Ca^{2+}	mg/kg	69
magnesium	Mg^{2+}	mg/kg	ND
sodium	Na^{1+}	mg/kg	65
potassium	K^{1+}	mg/kg	13
ammonium	NH_4^{1+}	mg/kg	ND
Anions			
carbonate	CO_3^{2-}	mg/kg	ND
bicarbonate	HCO_3^{1-}	mg/kg	305
fluoride	F^{1-}	mg/kg	3.1
chloride	Cl^{1-}	mg/kg	11
sulfate	SO_4^{2-}	mg/kg	76
nitrate	NO_3^{1-}	mg/kg	1.3
phosphate	PO_4^{3-}	mg/kg	ND
Other Tests			
sulfide	S^{2-}	qual	na
Redox		mV	na

Resistivity per ASTM G187, pH per ASTM G51, Cations per ASTM D6919, Anions per ASTM D4327, and Alkalinity per APHA 2320-B.

Electrical conductivity in millisiemens/cm and chemical analyses were made on a 1:5 soil-to-water extract.

mg/kg = milligrams per kilogram (parts per million) of dry soil.

Redox = oxidation-reduction potential in millivolts

ND = not detected

na = not analyzed

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Phone: 909.962.5485 · Fax: 909.626.3316

Appendix J:

Geotechnical Reports

FOR REFERENCE

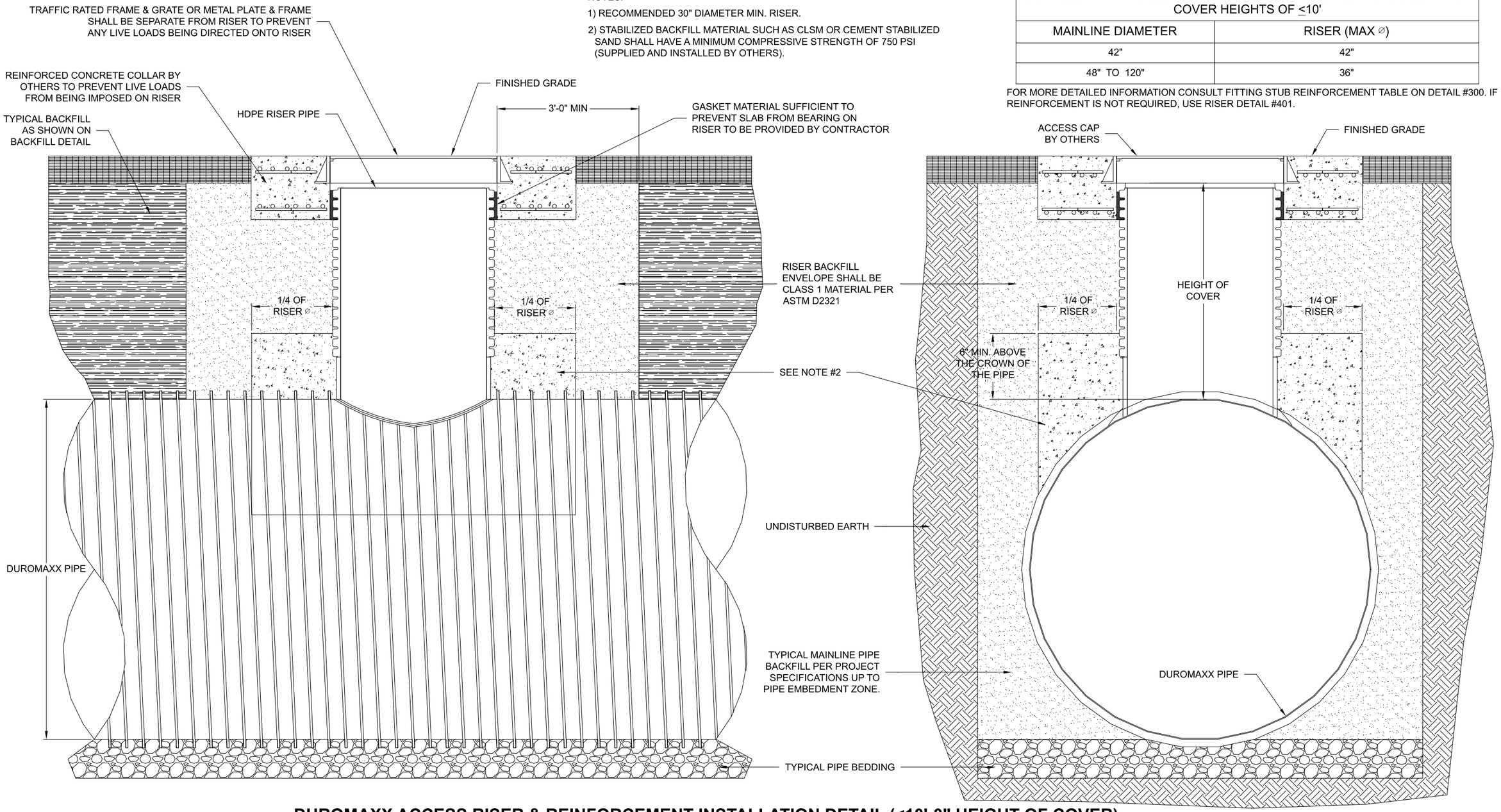
NOTES:

1) RECOMMENDED 30" DIAMETER MIN. RISER.

2) STABILIZED BACKFILL MATERIAL SUCH AS CLSM OR CEMENT STABILIZED SAND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 750 PSI (SUPPLIED AND INSTALLED BY OTHERS).

MAX RISER ⌀ THAT DOES NOT REQUIRE CONCRETE REINFORCEMENT FOR COVER HEIGHTS OF ≤10'	
MAINLINE DIAMETER	RISER (MAX ⌀)
42"	42"
48" TO 120"	36"

FOR MORE DETAILED INFORMATION CONSULT FITTING STUB REINFORCEMENT TABLE ON DETAIL #300. IF REINFORCEMENT IS NOT REQUIRED, USE RISER DETAIL #401.



DUROMAXX ACCESS RISER & REINFORCEMENT INSTALLATION DETAIL (<10'-0" HEIGHT OF COVER)

NOT TO SCALE

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CONTECH **DYODS** DRAWING

DYO28355 Kia
SWQDv
Calabasas, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
18982	28355	3/13/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: D4		

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APPENDIX K

Noise and Vibration Technical Study

NOISE AND VIBRATION TECHNICAL STUDY
KIA DEALERSHIP PROJECT

Prepared for:

CITY OF CALABASAS
100 Civic Center Way
Calabasas, CA 91302
Attn: Mr. Glenn Michitsch

Prepared by:

ENVICOM CORPORATION
4165 E. Thousand Oaks Boulevard, Suite 290
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June 2024

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1.0 INTRODUCTION

This Noise and Vibration Technical Analysis discusses the fundamentals of sound and vibration, characterizes existing conditions in the project area, and evaluates the potential for the proposed project to result in noise and vibration impacts at nearby noise and vibration sensitive receptors. This analysis also discusses applicable federal, state, and local noise guidelines, policies, and standards. All noise and vibration modeling worksheets are attached as **Appendix A**.

1.1 Noise and Vibration Fundamentals

1.1.1 Noise Glossary

Sound: Sound is a vibratory disturbance created by a moving or vibrating source in the pressure and density of a gaseous or liquid medium or in the elastic strain of a solid that is capable of being detected by the hearing organs.

Noise: Noise is defined as sound that is loud, unpleasant, unexpected, or undesired and that causes a disturbance to humans.

Decibel (dB): The decibel is a unit used to measure the intensity of a sound or the power level of an electrical signal by comparing it with a given level on a logarithmic scale.

A-weighting (dBA): A-weighted sound levels represent the overall noise at a receiver that is adjusted in frequency to approximate typical human hearing sensitivity.

Equivalent continuous sound level (L_{eq}): L_{eq} is the equivalent continuous sound level and represents the total sound energy average over a period of interest.

Maximum sound level (L_{max}): The maximum level describes the maximum noise level reached during a single noise event.

Minimum sound level (L_{min}): The minimum sound level measured with 'A' frequency weighting and fast time weighting during the measurement period.

Statistical noise descriptors (L_n): Statistical analysis of noise levels. The 'n' denotes the percentage exceedance, for example the value of L90 shows the noise level that was exceeded for 90% of the measurement duration.

Root mean square (rms): The square root of the arithmetic average of the squared amplitude of a vibration signal.

Sound pressure level (SPL): A logarithmic measurement of the rms sound pressure of a sound relative to a reference value. It is measured in decibels (dB).

Day-night level (L_{dn}): L_{dn} is the energy average of A-weighted sound levels occurring over a 24-hour period, with a 10 dB penalty applied to A-weighted sound levels occurring during nighttime hours between 10:00 p.m. and 7:00 a.m.

Community noise equivalent level (CNEL): Similar to L_{dn}, CNEL is the energy average of the A-weighted sound levels occurring over a 24-hour period, with a 10 dB penalty applied to A-weighted sound

levels occurring during nighttime hours between 10:00 p.m. and 7:00 a.m., and a 5 dB penalty applied to the A-weighted sound levels occurring during evening hours between 7:00 p.m. and 10:00 p.m.

Peak particle velocity (PPV): The peak signal value of an oscillating vibration velocity waveform. Usually expressed in inches/second in the United States.

Vibration decibel (VdB): The root mean square vibration velocity in a decibel scale used to convey the magnitude of the vibration signal felt by the human body, in inches per second.

Sensitive receptor: Noise and vibration sensitive receptors include land uses where quiet environments are necessary for enjoyment and public health and safety. Residences, schools, motels and hotels, libraries, religious institutions, hospitals, and nursing homes are examples.

1.2 Noise Fundamentals

Noise is defined as any unwanted or undesirable sound that disrupts or interferes with the normal auditory environment. It is often characterized by its loudness, pitch, frequency, and duration. Noise can be subjective, as what one person considers noise may not be perceived the same way by another. In various contexts, noise can refer to any sound that is considered disturbing, irritating, or harmful to human health and well-being. Noise pollution, for example, is the presence of excessive or intrusive noise in the environment that can have negative effects on individuals, communities, and ecosystems.

Sound perceived by humans is a vibration that propagates longitudinally through an elastic medium such as air, which is also known as an acoustic wave or pressure wave. This longitudinal wave is comprised of an amplitude, frequency, and wavelength. The amplitude of a sound wave can be defined as the loudness or the amount of maximum displacement of vibrating particles of the medium from their mean position when the sound is produced. Sound pressure level is the most common descriptor used to describe the perceived "loudness" of an ambient sound level. The standard measurement unit of sound pressure is called a decibel (dB). The frequency of sound is the number of oscillations per second and is measured in hertz (Hz). Frequency and pitch are often used synonymously – the higher the frequency, the higher the pitch. Lastly, the wavelength is simply the size of a wave measured from one peak to the next. The wavelength of a sound is inversely proportional to its frequency, and therefore, the higher the frequency, the shorter the wavelength.

A healthy and typical audible range for adult humans is between 20 Hz and 20,000 Hz. However, the human response to frequencies within the audible range are not all the same and tends to drop below 20,000 Hz with aging. To address this, the A- weighted scale is applied (dBA). The scale assigns a weight to the decibel value of sound based on the sensitivity of the ear at a particular frequency. Generally, the human ear naturally deemphasizes frequencies below 1,000 Hz and emphasizes frequencies between 1,000 Hz and 5,000 Hz. The human ear therefore has a natural "pick-up" in the frequencies that make consonant sounds in human speech.

Because the decibel is based on a logarithmic scale, a doubling of a sound source is perceived as a 3 dBA increase which is often referred to as the just noticeable difference threshold in an outdoor or uncontrolled environment. A change in 1 to 3 dBA is detectable under quiet, controlled, laboratory conditions. A change of 5 dBA is readily perceptible to most people and a change in 10 dBA is perceived as a doubling (or halving) of the sound. Another example is to consider that a 10 dBA increase is 10 times more intense than 1 dBA, a 20 dBA increase is 100 times more intense, a 30 dBA increase is 1,000 times more intense, and so on. **Table 1**, **Common Noise Levels**, show a range of urban noise sources, their noise levels, and subjective human impression.

Table 1
Common Noise Levels

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	110	Rock band
Jet flyover at 1,000 feet		
	100	
Gas lawnmower at 3 feet		
	90	
Diesel truck at 50 feet at 50 mph		Food blender at 3 feet
	80	Garbage disposal at 3 feet
Noisy urban area, daytime		
Gas lawnmower, 100 feet	70	Vacuum cleaner at 10 feet
Commercial area		Normal speech at 3 feet
Heavy traffic at 300 feet	60	
		Large business office
Quiet urban daytime	50	Dishwasher in next room
Quiet urban daytime	40	Theater, large conference room (background)
Quiet suburban nighttime		
	30	Library
Quiet rural nighttime		Bedroom at night, concert hall (background)
	20	
		Broadcast/recording studio
	10	
Threshold of hearing	0	Threshold of hearing
Source: California Department of Transportation (Caltrans). 2013, September. Technical Noise Supplement ("TeNS").		

1.3 Health Effects of Noise to Humans

Loud noise can create physical and psychological stress, reduce productivity, and interfere with communication and concentration. Short term exposure to loud noise can also cause a temporary change in hearing (your ears may feel stuffed up) or a ringing in your ears (tinnitus). These short-term problems may go away within a few minutes or hours after leaving the noise. However, repeated exposures to loud noise can lead to permanent tinnitus and/or hearing loss. The effects of noise induced hearing loss can be profound, limiting your ability to hear high frequency sounds, understand speech, and seriously impairing your ability to communicate (OSHA).

1.4 Sound Propagation

In an exterior environment when a noise event occurs, the noise level diminishes with distance to the inverse square law which states that for every doubling of distance from the noise source to receiver, sound attenuates 6 dBA for point sources (most stationary noise sources such as mechanical equipment, loudspeakers, and people talking) and 3 dBA for line sources (e.g., roadways and rail lines). This is the minimum attenuation achieved and does not account for additional ground absorption and acoustical shielding from other buildings, walls, trees, or other physical barriers.

1.5 Vibration Fundamentals

Vibration is an oscillatory motion that can be described in terms of displacement, velocity, or acceleration. Because the motion is oscillatory, there is no net movement of the vibration element and the average of any of the motion metrics is zero. Displacement is the most intuitive metric. For a vibrating floor, the displacement is simply the distance that a point on the floor moves away from its static position. The velocity represents the instantaneous speed of the floor movement and acceleration is the rate of change of the speed. Although displacement is easier to understand than velocity or acceleration, it is rarely used for describing ground-borne vibration. Most transducers used for measuring ground-borne vibration use either velocity or acceleration. Furthermore, the response of humans, buildings, and equipment to vibration is more accurately described using velocity or acceleration.

The typical frequency range of most ground-borne vibrations that can be felt by humans is less than 1 Hz to a high of 200 Hz. Common vibration metrics used to assess vibration are the root mean square (vibration decibel, VdB) and peak particle velocity (PPV). PPV is often used in monitoring of construction vibration (such as blasting) and to assess potential architectural damage since it is related to the stresses that are experienced by buildings. The units for PPV in the United States are normally inches per second (in/sec). VdB is commonly used when assessing the human response (also referred to human annoyance) to vibration as it uses the arithmetic average of the squared amplitude of the signal. Like noise, groundborne vibration attenuates with distance. Vibration attenuation varies depending on the soil type, compaction, and vibration frequency.

Traffic, including heavy trucks traveling on a highway, rarely generates vibration amplitudes high enough to cause structural or cosmetic damage. However, there have been cases in which heavy trucks traveling over potholes or other discontinuities in the pavement have caused vibration high enough to result in complaints from nearby residents. These types of issues typically can be resolved by smoothing the roadway surface. In describing vibration in the ground and in structures, the motion of a particle (i.e., a point in or on the ground or structure) is used.

2.0 PROJECT LOCATION AND DESCRIPTION

2.1 Project Location

The project site address is located at 24460 Calabasas Road in Calabasas, California and is comprised of two parcels: APN 2069-009-020 and APN 2069-009-008 totaling 10.94 acres. The site is approximately 160 feet south of United States Route 101 (US 101) and next to Cadillac of Calabasas Dealership (east) and Bob Smith BMW dealership (west). According to the Calabasas General Plan Zoning Map, the project site is situated within the Commercial Retail/Commercial Auto Retailer zone. The project site boundary and site plan are shown in **Figure 1, Regional Location Map** and **Figure 2, Project Site Plan** on the following pages, respectively.

2.2 Project Description

The project site was historically used as a plant nursery, with retail operations shutting down in 2015. While the commercial structures that were part of that business have since been demolished, the site still contains many remnants of this previous development including paved areas, foundations, retaining walls, and graded pads. The proposed development includes construction and operation of a 2-story, 35-foot-tall auto dealership building and the construction of a separate car wash/detail building. The gross footprint for the primary 2-story dealership building is 23,972 SF and the gross footprint for the car wash building is 2,117 SF.



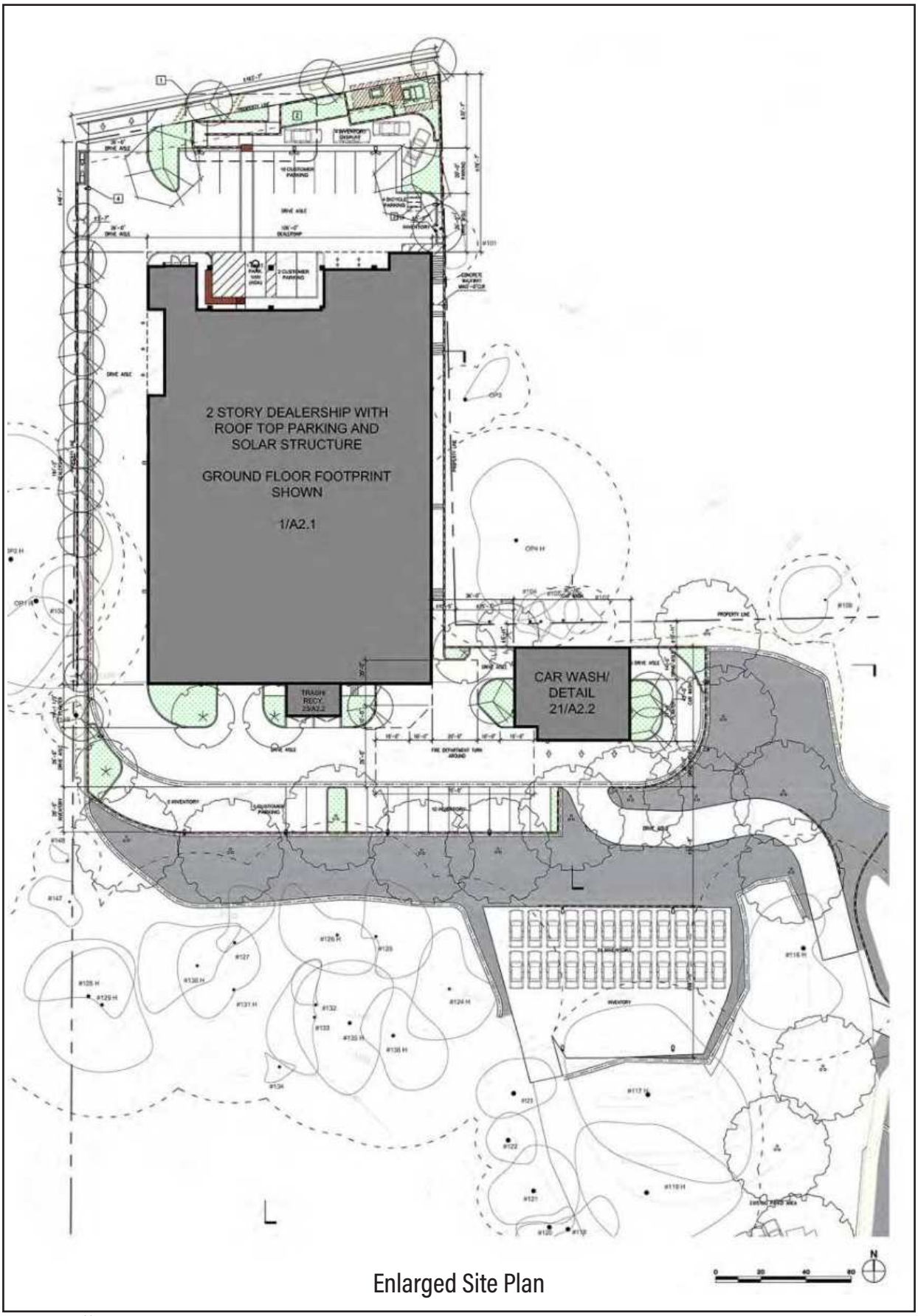
Source: ESRI World Street Maps, 2023.

envicom

Regional Location Map

FEET 0 500 1,000

FIGURE 1



Source: AHT Architects Inc., June 20, 2023.

3.0 REGULATORY SETTING

3.1 Federal

3.1.1 Federal Transit Administration

The US Department of Transportation Federal Transit Administration (FTA) published its latest Transit Noise and Vibration Impact Assessment Manual in 2018. This comprehensive manual covers procedures for predicting and evaluating noise and vibration impacts associated with proposed transit projects. The manual provides guidelines for assessing construction noise and vibration impacts including a comprehensive list of reference noise and vibration levels for construction equipment and construction noise and vibration impact criteria for various building and land use categories. It is important to note that this manual serves as guidance rather than a federal regulatory requirement. However, in the absence of quantitative construction noise and vibration standards, the criteria outlined in this FTA guidance manual are adopted for impact assessments for receptors in the City of Calabasas.

3.2 State

3.2.1 California Green Building Standards

The State of California's noise insulation standards for non-residential uses are codified in the California Code of Regulations, Title 24, Building Standards Administrative Code, Part 11, California Green Building Standards Code (CALGreen). CALGreen noise standards are applied to new or renovation construction projects in California to control interior noise levels resulting from exterior noise sources. Proposed projects may use either the prescriptive method (Section 5.507.4.1) or the performance method (5.507.4.2) to show compliance.

- **Section 5.507.4.1 Prescriptive Method**: Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of noise less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:
    - Within the 65 CNEL or L_{dn} noise contour of an airport
    - Within the 65 CNEL or L_{dn} noise contour of a freeway or expressway, railroad, industrial source or fixed guideway sources as determined by the Noise Element of the General Plan.
- **Section 5.507.4.2 Performance method:** For buildings located as defined in Section 5.07.4.1 or 5.507.4.1.1 of the CCR, wall and roof ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level 50 dBA $L_{eqc1hr)}$ in occupied areas during any hour of operation.

3.3 Local

3.3.1 City of Calabasas Municipal Code

The Calabasas Municipal Code (CMC) provides performance noise standards and exterior noise standards under Chapter Section 17.20.161(A) and Section 17.20.161(D), respectively. The performance noise standards are applicable to all development, except for the construction of one single-family home on an existing lot, the expansion of existing commercial, office and business park projects, and the addition of housing units to an existing multi-family residential project.

Performance Noise Standards

The proposed project is subject to the following mitigation measures outlined in the CMC performance noise standards:

Project Site Planning

- Orient buildings to buffer or attenuate noise.
- Locate the highest noise sources as far away from adjacent sensitive uses as is feasible.
- Provide sound attenuation walls (open space buffers and berms are preferred).
- Utilize landscape materials and "softscape" design to break up hard surfaces for the purpose of minimizing reverberation (mandatory for noise, as well as aesthetic purposes).

Landscape Treatment

- Utilize open space and landscape buffers between uses to naturally attenuate noise with distance. Project applicants shall be responsible for providing open space buffers in the form of easements to eliminate noise encroachment from having an adverse effect. The distance shall be sufficient to meet the exterior noise standards established in Sections 17.20.160 (C) and (D).
- For commercial retail and business park uses place fixed equipment, such as air conditioning units, inside an enclosed space, or in shielded locations.

Architectural Design

- For commercial, office, and business park uses, place rooftop equipment at an appropriate setback from property lines, or in acoustically treated mechanical rooms or in shielded equipment wells, to meet noise standards and minimize disturbance potential.
- Provide one or more of the following: sound rated windows, additional exterior wall or roof insulation, vent or mail slot modifications or relocation, or forced air ventilation.

The exterior noise standards are intended to protect persons from excessive noise levels, which are detrimental to the public health, welfare and safety since they have the potential to:

- interfere with sleep, communication, relaxation and the full enjoyment of property.
- contribute to hearing impairment and a wide range of adverse physiological stress conditions.
- adversely affects the value of real property.

Exterior Noise Standards

Exemptions

Section 17.20.160(C) of the CMC provides exemptions to the exterior noise standards. Applicable exemptions to the project are:

- Noise sources associated with construction, including the idling of construction vehicles, provided such activities do not take place before 7:00 a.m. or after 6:00 p.m. on any day except Saturday in which no construction is allowed before 8:00 a.m. or after 5:00 p.m. No construction is allowed on Sunday's or federal holidays. These requirements may be modified by a conditional use permit.
- Noise sources associated with the collection of waste or garbage from property devoted to other than residential uses.

Table 2, Calabasas Exterior Noise Standards summarizes the CMC exterior noise standards for residential receptors.

Table 2
Calabasas Exterior Noise Standards

Day of Week		Time of Day	dBA L_{eq}
			Residential
Monday – Friday	Nighttime	10:00 p.m. to 7:00 a.m.	50
	Daytime	7:00 a.m. to 10:00 p.m.	65
Saturday and Sunday	Nighttime	10:00 p.m. to 8:00 a.m.	50
	Daytime	8:00 a.m. to 10:00 p.m.	60
Source: City of Calabasas Municipal Code §17.20.160(D).			

3.3.2 County of Los Angeles

North of the project site across US 101 lies a section of unincorporated Los Angeles (LA) County designated as single-family that is approximately 400 feet from the project site boundary. Because the property line of this receptor is within 500 feet of the project property line, applicable LA County standards are discussed and applied to this receptor.

- Section 12.08.390 of the Los Angeles County Code (LACC) establishes exterior noise standards (for stationary sources) for residential uses. The daytime (7:00 a.m. to 10:00 p.m.) exterior noise standard for residential uses is 50 dB, and during nighttime (10:00 p.m. to 7:00 a.m.), it is set at 45 dB.
- Section 12.08.440 of the LACC sets forth long-term construction noise standards of 60 dBA during the hours of 7:00 a.m. to 8:00 p.m. All mobile or stationary internal-combustion-engine powered equipment or machinery shall be equipped with suitable exhaust and air-intake silencers in proper working order.
- Section 12.08.450 of the LACC limits the operation or of any forced-air blower in a tunnel car wash between the hours of 7:00 a.m. and 8:00 p.m. in such a manner as to exceed 60 dBA at a residential property.

4.0 EXISTING CONDITIONS

The primary noise source in the project vicinity is traffic noise from US 101, located approximately 160 feet south of the project site. To establish existing conditions, a version of the Federal Highway Traffic Noise Prediction Model (FHWA RD77-108) was used to model the existing US 101 traffic noise contours. Traffic model inputs, including average daily traffic (ADT) volumes and fleet mix, were sourced from Caltrans (Caltrans, 2021). **Table 3, Existing Freeway Traffic Noise Contours** summarizes the modeled CNEL (dBA) noise level at 50 feet and the distances to the 60, 65, and 70+ CNEL noise contours. The traffic noise model indicates the project site is within the 70 dBA CNEL noise contour.

Table 3
Existing Freeway Traffic Noise Contours

US 101	ADT Volumes	dBA CNEL at 50 Feet	Distance in feet to CNEL Contours		
			70+ dBA	65 dBA	60 dBA
US 101 west JCT. RTE. 27, Topanga Canyon Boulevard Interchange	213,000	86.4	621	1,339	2,884
Source: Caltrans Traffic Census, 2021 Notes: See Appendix A for traffic noise calculation worksheets.					

4.1 Sensitive Receptors

Certain land uses, such as residences, schools, and hospitals, are particularly sensitive to noise and vibration. Sensitive receptors include residences, senior housing, schools, places of worship, libraries, and recreational areas. These uses are regarded as sensitive because they are where citizens most frequently engage in tranquil activities which are likely to be disturbed by noise, such as reading, studying, sleeping, resting, or prayer. Commercial and industrial uses are not particularly sensitive to noise but are evaluated for potential vibration impacts.

The nearest sensitive receptors to the project site are located within two different jurisdictions: unincorporated LA County and the City of Calabasas. The nearest receptor is a single-family home situated north of US 101 in unincorporated LA County, approximately 400 feet from the nearest project site boundary. The second closest sensitive receptors are single-family homes located approximately 580 feet to the south of the nearest project site boundary, within the City of Calabasas. It's important to note that the distances in this section (4.1 Sensitive Receptors) are measured from the project site boundary to the receptor property lines. In the impact analysis, distances may vary as noise impacts depend on the specific location of the sound source (e.g., car wash, HVAC) relative to the receptor

5.0 PROJECT-RELATED NOISE AND VIBRATION IMPACT ANALYSIS

5.1 Construction Noise

Project-related construction noise is generated from off-site mobile sources used to transport workers and materials and from on-site noise sources from construction equipment. Construction would occur during the permissible outlined in the CMC, permitting work from Monday through Friday between 7:00 a.m. to 6:00 p.m., and on Saturdays from 8:00 a.m. to 5:00 p.m. Construction is prohibited on Sundays and federal holidays. Construction is estimated to begin April of 2024 and be completed by May of 2025.

5.2 Construction Vehicles

The transport of workers and materials to and from the construction site would incrementally increase noise levels along access roadways in the project vicinity. Individual construction vehicle pass-bys and haul trucks may create momentary noise levels of up to 85 dBA (L_{max}) at 50 feet from the vehicle, but these occurrences would be temporary and generally short lived as trucks pass by.

Caltrans reports an existing ADT volume of 213,000 vehicles along US 101 near the project site. Additionally, the traffic study conducted by Associated Traffic Engineers reports an existing ADT of 7,160 vehicles along Calabasas Road next to the project site. [1] Based on the California Emissions Estimator Model (CalEEMod) defaults, the project would generate up to 34 daily worker/vendor trips during the 200 work-day building construction phase and up to 44 daily haul truck trips over a 40 work-day grading phase . The generation of these construction trips would result in a less than 0.5 dBA CNEL increase. Increases less than 3 dB are indiscernible in an exterior environment. In addition, all construction trips would cease upon completion of the proposed project.

5.3 Construction Equipment

Construction occurs in discrete activity phases and construction noise generated from project activities varies based on the type of equipment used, the location of the equipment relative to sensitive receptors, and acoustical usage factor.[2] Each construction activity (e.g., demolition, grading, building construction) can involve the use of different construction equipment (equipment mix), and therefore each activity can emit distinct noise characteristics. Construction noise is often dominated by the loudest piece of construction equipment, and the dominant noise source for non-impact equipment is typically the engine. Impact noise sources such as hammering work-piece noise can also be noticeable.

The CalEEMod default construction equipment mix provided by Air Quality report was used to model construction noise by activity phase. The equipment mix was modeled using the Roadway Construction Noise Model (RCNM). Average construction noise levels for each activity phase were modeled using the top three loudest pieces of equipment. To calculate the noise level at sensitive receptors, the distance from the construction activity to the nearest receptor was measured from the acoustical center of the activity (e.g., paving, grading, building construction). **Table 4**, **Construction Equipment Noise Level at Sensitive Receptors** shows the construction noise levels per activity phase at a distance of 50 feet and at the nearest sensitive receptors. Modeling details and spreadsheets are in Appendix A.

[1] Existing peak PM traffic volumes provided by Associated Transportation Engineers (ATE) and a standard peak hour to daily multiplier of 10 was applied to estimate ADT.

[2] Usage factor is the percentage of time during a construction noise operation that a piece of construction equipment is operating at full power.

Table 4
Construction Equipment Noise Level at Sensitive Receptors

Modeled Equipment per Construction Activity	Construction Noise Levels in dBA L_{eq}[1]		
	RCNM reference Noise Levels [1]	Residential Receptors to the South (Calabasas)	Residential Receptors to the North (unincorporated LA)
Distance	***50 feet***	***900 feet***	***600 feet***
Demolition	85	60	64
Site Preparation	85	59	63
Grading	85	59	63
Building Construction	82	57	60
Architectural Coating	74	49	52
Distance in feet	***50 feet***	***650 feet***	***460 feet***
Paving/Parking Lot	83	60	63
Maximum Construction Noise	**85**	**60**	**64**

Source: RCNM and CalEEMod construction defaults.
Notes: See Appendix A for distances and calculations.
[1] dBA L_{eq} is rounded to the nearest whole number.

LA County Receptor

The closest single-family residence located in unincorporated LA County would be exposed to construction noise levels of up to 64 dBA L_{eq}. While this exceeds the LA County construction noise standard of 60 dBA, this receptor is situated approximately 75 feet from US 101 and within the 70+ dBA CNEL freeway noise contour (see Table 3). For instance, a single passenger vehicle traveling at 60 miles per hour typically registers at approximately 80 dBA L_{eq} when measured at a distance of 50 feet. Trucks, trailers, and other heavy-duty vehicles would produce even higher noise levels. When these levels are adjusted for the receptor's distance of 75 feet, they would experience traffic noise levels of at least 78 dBA L_{eq}. Construction noise levels would be approximately 11 decibels below ambient conditions and would not result in a substantial noise increase.

Furthermore, Section 12.08.440 of the LACC mandates that all mobile or stationary internal-combustion-engine powered equipment or machinery must be equipped with suitable exhaust mufflers and air-intake silencers in proper working order. A study conducted for the US Department of Transportation reported that applying a good muffler to equipment without one or with a poor muffler can reduce overall noise by 6 to 12 dBA (Toth 1979). This requirement would further reduce noise levels to 58 dBA or less. Therefore, construction noise would not result in a substantial noise increase at this noise sensitive receptor.

Calabasas Receptors

The City of Calabasas does not have construction noise standards; therefore, the FTA daytime construction noise criteria of 80 dBA L_{eq} is used. As indicated in Table 4, the nearest single-family homes in the City of Calabasas would experience construction noise levels of up to 60 dBA. Therefore, construction noise would not exceed the FTA construction noise threshold for residential uses, and it would not result in a substantial noise increase at these noise-sensitive receptors. Additionally, as mentioned above, noise levels would be further reduced by at least 6 dBA with the use of proper exhaust mufflers.

5.4 Operational Noise

The proposed project would generate on-site and off-site operational noise. Off-site operational noise would arise from project trip generation, contributing to incremental increases in traffic noise along nearby roadway segments. On-site operational noise sources encompass noise generated by heating, ventilation, and cooling mechanical equipment (HVAC) and the blow dryers in the car wash tunnel. The proposed car wash would not be open to the public and does not include outdoor vacuum stalls. Therefore, the primary noise source from the car wash would be from the blow dryers.

5.4.1 Off-Site Operational Traffic Noise

PM peak-hour trips for the *existing no project*, *existing plus project*, and *cumulative no project* and *cumulative plus project* were provided by ATE. The PM peak-hour trips were converted to ADT volumes using a standard peak-hour daily multiplier of 10. To estimate the traffic noise, increase due to the project, the *existing plus project* traffic volumes are logarithmically compared to the *existing no project* traffic volumes. The same method is used in determining the project's traffic noise increase contribution for *cumulative* (*cumulative plus project* traffic volumes are compared to *cumulative no project*).

A change of 5 dBA is readily discernible to most people in an exterior environment. People with normal or healthy hearing can typically detect a 3 dBA change in noise under normal conditions. Changes between 1 to 2 dBA are typically only perceptible under quiet, controlled conditions such as an audiometric booth, and changes less than 1 dBA are typically imperceptible. Considering these perceptibility thresholds, the Federal Aviation Administration's (FAA) and Federal Interagency Committee on Noise (FICON) criterion for impact significance is applied and a significant traffic noise increase would occur if the project results in a:

- 1.5 dBA CNEL increase in ambient noise environments greater than 65 dBA CNEL.
- 3.0 dBA CNEL increase in ambient noise environments between 60 -65 dBA CNEL.
- 5 dBA CNEL increase in ambient noise environments less than 60 dBA CNEL.

Table 5, Project-Related Traffic Noise Increase displays project and cumulative traffic noise increase along study roadway segments. The traffic noise increase attributed to the project is anticipated to be 1.1 dBA CNEL or less, and the project's contribution to cumulative traffic noise is 0.9 dBA CNEL or less. Consequently, all study roadway segments are projected to experience an increase of less than 1.5 dBA CNEL. Therefore, the project would not result in a substantial traffic noise increase.

5.4.2 On-Site Operational Stationary Noise

Outdoor Mechanical Equipment

The proposed project is anticipated to have heating, ventilation, and cooling (HVAC) equipment on rooftops. HVAC equipment would be installed near the center of the building's rooftop. HVAC equipment typically ranges between 60 dBA to 72 dBA at a distance of 3 feet. The nearest sensitive receptors to the rooftop mechanical equipment would be the single-family homes to the north (LA County) and south (City of Calabasas) situated approximately 600 feet and 900 feet away, respectively. At these distances, noise levels would attenuate to 26 dBA or less. Therefore, HVAC noise levels comply with the LACC exterior noise standards of 45 dBA (nighttime) and 50 dBA (daytime), as well as comply with the CMC noise standards for weekday daytime/nighttime of 65/50 dBA and weekend daytime/nighttime standards of 60/50 dBA.

Table 5
Project-Related Traffic Noise Increase

Roadway Segment	ADT Volumes				dBA CNEL		
	Existing No Project	Existing Plus Project	Cumulative No Project	Cumulative Plus Project	Project Noise Increase	Cumulative Plus Project Increase	Project's Contribution to Cumulative
Mureau Road north of Calabasas Road	6,970	7,090	8,030	8,150	0.1	0.7	0.1
Calabasas Road east of Mureau Road	7,160	7,280	8,820	8,940	0.1	1.0	0.1
Calabasas Road east of US 101 on/off ramps	13,610	14,230	14,750	15,370	0.2	0.5	0.2
Calabasas Road west of US 101 on/off ramps	9,540	10,580	11,110	12,150	0.4	1.1	0.4
Parkway Calabasas north of Calabasas Road	18,230	18,730	19,770	20,270	0.1	0.5	0.1
Parkway Calabasas south of Calabasas Road	13,200	13,250	11,220	13,810	0.0	0.2	0.9
Calabasas Road east of Parkway Calabasas	12,110	12,180	13,090	13,160	0.0	0.4	0.0
Calabasas Road west of Parkway Calabasas	12,960	13,580	12,160	15,320	0.2	0.7	0.2

Notes: See Noise Appendix A for traffic noise calculation worksheets.
Source: ATE, November 2023

Car Wash Blow Dryers

The proposed project involves the construction of a car wash intended exclusively for servicing the dealership's vehicles. Site plans show the car wash to function as a drive-through car wash with blow dryers near the exist. However, the car wash would not install outdoor vacuum stalls. Consequently, this noise analysis focuses on noise impacts from the tunnel blow dryers.

Additionally, the car wash will not be accessible to the general public and will operate in accordance with the allowable hours of operation stipulated in both the LACC and CMC. During weekdays (Monday to Friday), the car wash would operate from 7:00 a.m. to 8:00 p.m., ensuring compliance with the LACC car wash operational hours, which allow operation from 7:00 a.m. to 8:00 p.m. On weekends (Saturday and Sunday), the car wash would operate from 8:00 a.m. to 8:00 p.m. This schedule ensures compliance with the City of Calabasas daytime hours of operation, which extend from 8:00 a.m. to 10:00 p.m. on weekends, while also adhering to the LACC car wash operational hours during this timeframe. Thus, the project's proposed car wash hours effectively accommodate both sets of standards, with minor adjustments for weekend operations to meet the requirements of both jurisdictions.

LA County Receptor

The nearest sensitive receptor in unincorporated LA County and is subject to different noise standards outlined in Section 12.08.450 of the LACC which restricts the operation of forced-air blowers in car wash tunnels between 7:00 a.m. and 8:00 p.m. Noise levels during the allowable hours are to not exceed 60 dBA at a residential property. The car wash is approximately 660 feet from the residential property line. As indicated in Table 6, noise levels at this distance would attenuate to 49 dBA or less. Therefore, blow dryer noise from the car wash would be compliant with the LACC noise limit for forced-air blow dryers.

City of Calabasas Receptors

The nearest residential property line within the City of Calabasas is approximately 730 feet from the car wash. As indicated in **Table 6**, **Car Wash Dryer Noise Levels at Receptors** noise levels at this distance would attenuate to 50 dBA or less. Therefore, blow dryer noise levels would comply with the CMC noise standards for weekday daytime/nighttime of 65/50 dBA and weekend daytime/nighttime standards of 60/50 dBA.

Table 6
Car Wash Dryer Noise Levels at Receptors

Receptor	Jurisdiction	Distance to Car Wash	Dryer Noise Levels at Receptors	
Single-family homes to the north	City of Calabasas	730 feet	10HP without PowerLock[1]	45 dB
			15HP without PowerLock[2]	49 dB
Single-family home to the south	LA County	660 feet	10HP without PowerLock[1]	46 dB
			15HP without PowerLock[2]	50 dB

Source: MacNiel Wash Systems
Notes: HP = Horsepower
[1] Maximum level displayed from Table 6 associated with 10 HP Model
[2] Maximum level displayed from Table 6 associated with 15 HP Model
See Appendix A for reference data and calculation worksheets.

5.5 Vibration

Groundborne vibration from construction activities generates vibration levels of varying intensity depending on the equipment. As construction equipment operates, it generates vibrations that travel through the ground, creating a spectrum of effects ranging from imperceptible to humans to potentially physically impactful to nearby structures. Groundborne vibration propagates through the ground, and the attenuation of vibration can depend on various factors such as distance from the source, soil characteristics, vibration-specific frequencies, the building structure itself, and depth of the vibration sources.

5.5.1 Vibration Damage

To assess potential vibration impacts, the FTA criterion of 0.2 inches per second (in/sec), peak particle velocity (PPV), is employed for non-engineered timber and masonry buildings, which are representative of typical residential construction. This criterion is conservatively applied to the surrounding commercial buildings as well.

To estimate vibration levels at the nearest structures, reference vibration levels at a distance of 25 feet for various equipment, as provided by the FTA, are utilized. Attenuated vibration levels are determined by measuring from the vibration source (construction equipment) to the nearest off-site structure. The closest structure to the project site boundary is the neighboring BMW dealership building to the west, situated approximately 80 feet from the project site boundary. As shown in **Table 7, Vibration Damage Levels at Nearby Sensitive Receptors** vibration levels would attenuate to 0.037 in/sec PPV at 80 feet. Construction related vibration would not exceed the FTA criterion of 0.20 in/sec PPV at the nearest off-site structure. In addition, the nearest residential building is over 600 feet away from the project boundary, and therefore, would also experience vibration levels less than 0.20 in/sec PPV.

Table 7
Vibration Damage Levels at Nearby Sensitive Receptors

Equipment	Vibration Levels, PPV (in/sec)	
	FTA Reference Level at 25 feet	BMW Dealership Building - 80 feet west
Vibratory Roller	0.210	0.037
Large Bulldozer	0.089	0.016
Caisson Drilling	0.089	0.016
Loaded Trucks	0.079	0.013
Jackhammer	0.035	0.006
Small Bulldozer	0.003	0.001
Source: FTA 2018 Notes: in/sec = inches per second; PPV = peak particle velocity		

5.5.2 Operational Vibration

The proposed project would not have significant sources of operational vibration, such as rail systems or railroad tracks. Therefore, the project would not generate substantial long-term vibration levels.

6.0 BIBLIOGRAPHY

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APPENDIX A

Noise and Modeling Worksheets

Construction Noise Modeling

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 12/13/2023
Case Description: Kia Dealership 2023-105-01

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Demolition	Residential	70.0	65.0	60.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	50.0	0.0
Tractor	No	40		84.0	50.0	0.0
Dozer	No	40		81.7	50.0	0.0

Results

	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	89.6	82.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84.0	80.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	89.6	85.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 06/04/2024
Case Description: Kia Dealership 2023-105-01

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Site Preparation	Residential	70.0	65.0	60.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	50.0	0.0
Grader	No	40	85.0		50.0	0.0
Tractor	No	40	84.0		50.0	0.0

Results

	Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	Calculated (dBA)		Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	85.0	81.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84.0	80.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	85.0	84.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 06/04/2024
Case Description: Kia Dealership 2023-105-01

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Grading	Residential	70.0	65.0	60.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	50.0	0.0
Grader	No	40	85.0		50.0	0.0
Tractor	No	40	84.0		50.0	0.0

Results

	Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	Calculated (dBA)		Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	85.0	81.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84.0	80.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	85.0	84.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 06/04/2024
Case Description: Kia Dealership 2023-105-01

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Building Construction	Residential	70.0	65.0	60.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	50.0	0.0
Tractor	No	40	84.0		50.0	0.0
Front End Loader	No	40		79.1	50.0	0.0

Results

Equipment	Calculated (dBA) Lmax	Leq	Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq	Noise Limit Exceedance (dBA) Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Crane	80.6	72.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84.0	80.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	79.1	75.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	84.0	81.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 12/13/2023
Case Description: Kia Dealership 2023-105-01

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Paving	Residential	70.0	65.0	60.0

Equipment

Description	Impact Device	Spec Usage (%)	Actual Lmax (dBA)	Receptor Lmax (dBA)	Estimated Distance (feet)	Shielding (dBA)
Paver	No	50	77.2	50.0	0.0	
Drum Mixer	No	50	80.0	50.0	0.0	
Tractor	No	40	84.0	50.0	0.0	

Results

	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Paver	77.2	74.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	80.0	77.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84.0	80.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	84.0	82.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 12/13/2023
Case Description: Kia Dealership 2023-105-01

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Paving	Residential	70.0	65.0	60.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	50.0	0.0

Results

	Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	77.7	73.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	77.7	73.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Kia Dealership Project #2023.105.01

Construction Noise Modeling Attenuation Calculations

Levels in dBA Leq

Phase	RCNM Reference Noise Level	Calabasas SF Homes - South	LA unincorporated SF Home - North
Distance in feet	*50*	*900*	*600*
Demolition	85	60	64
Site Preparation	85	59	63
Grading	85	59	63
Building Construction	82	57	60
Architectural Coating	74	49	52
Distance in feet	*50*	*650*	*460*
Paving	83	60	63

Attenuation calculated through Inverse Square Law: Lp(R2) = Lp(R1) - 20Log(R2/R1)

Kia Dealership Project #2023.105.01

Vibration Damage Attenuation Calculations

Levels, PPV (in/sec)

	Vibration Reference	BMW Building to west			
Distance in feet		**80**			
Vibratory Roller	0.21	0.037			
Large Bulldozer	0.089	0.016			
Caisson Drilling	0.089	0.016			
Loaded Trucks	0.076	0.013			
Jackhammer	0.035	0.006			
Small Bulldozer	0.003	0.001			

Kia Dealership Project #2023.105.01

CalEEMod Construction Trips Worksheet

			Total Trips Per Phase	
Phase Name	**Trip Type**	**One-Way Trips per Day**	**Non Haul**	**Haul Tucks**
Demolition				
	Worker	10	10	
	Vendor			
	Hauling	11		11
	Onsite truck			
Site Preparation				
	Worker	5	5	
	Vendor			
	Hauling	0		0
	Onsite truck			
Grading				
	Worker	7.5	8	
	Vendor			
	Hauling	44		**44**
	Onsite truck			
Building Construction				
	Worker	24	**34**	
	Vendor	11		
	Hauling	0		0
	Onsite truck			
Paving				
	Worker	18	18	0
	Vendor			
	Hauling	0		0
	Onsite truck			
Architectural Coating				
	Worker	5	5	0
	Vendor			
	Hauling	0		0
	Onsite truck			

Stationary Noise Modeling

Kia Dealership Project #2023.105.01

HVAC Noise Modeling Attenuation Calculations

Levels in dBA			
Rooftop Equipment	**Reference HVAC Level**	**Calabasas SF Homes - South**	**LA unincorporated SF Home - North**
Distance in feet	*3*	*900*	*600*
HVAC	72	22	26
HVAC	59	10	13

Reference Car Wash Dryer Noise Levels

Carwash Tunnel	**Reference Noise Level at 1 Meter**	**Reference Noise Level Conveted to Feet**	**Reference Noise Level Normalized to 5 Feet**
Distances	*1*	*3.28*	*5*
10HP Tech 21 Dryer Max	92	96	88
15HP Tech 21 Dryer Reference Level Max	96	85	92

Carwash Dryer Noise Levels At Receptors

Carwash Tunnel	**Dryer Reference Level**	**Calabasas SF Homes - South**	**LA unincorporated SF Home - North**
Distance in feet	*5*	*730*	*660*
10HP Tech 21 Dryer Max	88	45	46
15HP Tech 21 Dryer Reference Level Max	92	49	50

Attenuation calculated through Inverse Square Law: Lp(R2) = Lp(R1) - 20Log(R2/R1)

HVAC Source: Carrier Product Data for FJ4 Base Series Fan Coil Sizes 18-60
Carrier Product Data for GH5S Single-Stage Heat Pump

OCT / 07

POWERLOCK SOUND PRESSURE LEVELS
Individual Fan Study

10HP Tech 21 Dryer

10HP at 1 meter **without** PowerLock	=	92DB
10HP at 1 meter with PowerLock **open**	=	88DB
10HP at 1 meter with PowerLock **closed**	=	85DB

15HP Tech 21 Dryer

15HP at 1 meter **without** PowerLock	=	96DB
15HP at 1 meter with PowerLock **open**	=	92DB
15HP at 1 meter with PowerLock **closed**	=	87DB

On average, a site will appreciate a 30-50% sound reduction, depending on its dryer package, valve cycling, and wash area.

Bob MacNeil
R&D

Traffic Noise Modeling

Traffic Noise Calculator: FHWA 77-108 **Kia Dealership Project**

Inputs													Outputs					
													dBA at 50 feet			distance to CNEL Contour		
Roadway	Segment	ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	$L_{eq\text{-}24hr}$	L_{dn}	CNEL	70 dBA	65 dBA	60 dBA
State Route 101	West of JCT. RTE. 27, Topanga Canyon Boulevard Interchange	213,000	65	0.0%	94.5%	3.4%	2.1%	75.0%	15.0%	10.0%	6	Soft	50	82.9	85.7	86.4	621	1339	2884

Kia Dealership Project #2023.105.01
Traffic Noise Calculations

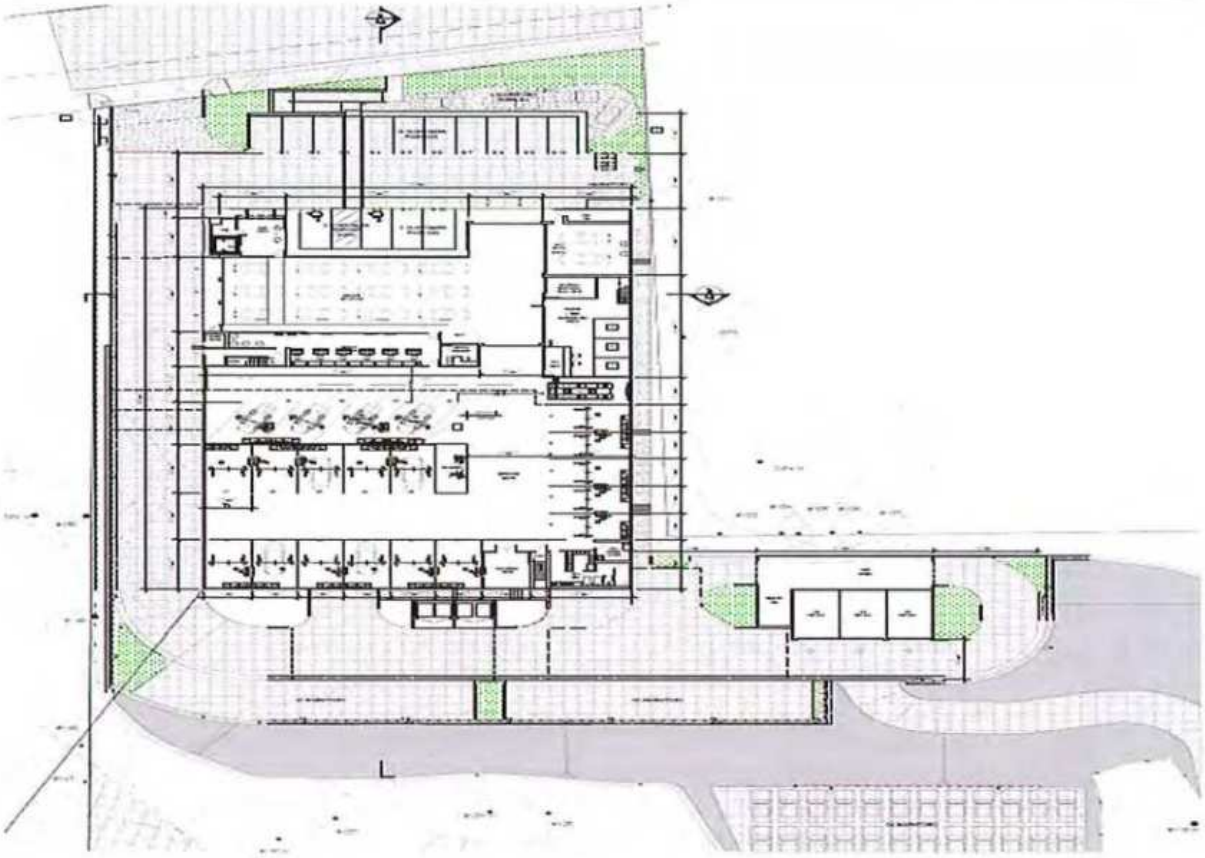
	ADT Volumes					dBA CNEL Increae		
Roadway Segment	Existing No Project	Project Trip Distribution	Existing Plus Project	Cumulative No Project	Cumulative Plus Project	Project Noise Increase	Cumulative Increase	Project Cumulative Contribution
Mureau Road north of Calabasas Road	6,970	120	7,090	8,030	8,150	0.1	0.7	0.1
Calabasas Road east of Mureau Road	7,160	120	7,280	8,820	8,940	0.1	1.0	0.1
Calabasas Road east of SR-101 on/off ramps	13,610	620	14,230	14,750	15,370	0.2	0.5	0.2
Calabasas Road west of SR-101 on/off ramps	9,540	1,040	10,580	11,110	12,150	0.4	1.1	0.4
Parkway Calabasas north of Calabasas Road	18,230	500	18,730	19,770	20,270	0.1	0.5	0.1
Parkway Calabasas south of Calabasas Road	13,200	50	13,250	11,220	13,810	0.0	0.2	0.9
Calabasas Road east of Parkway Calabasas	12,110	70	12,180	13,090	13,160	0.0	0.4	0.0
Calabasas Road west of Parkway Calabasas	12,960	620	13,580	12,160	15,320	0.2	0.7	1.0

Transportation Analysis

APPENDIX L

KIA OF CALABASAS
CITY OF CALABASAS, CALIFORNIA

REVISED TRANSPORTATION ANALYSIS



April 12, 2024 **ATE Project #23066**

Prepared for:

Envicom Corporation
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April 12, 2024 23066R01

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REVISED TRANSPORTATION ANALYSIS FOR THE KIA OF CALABASAS - CITY OF CALABASAS

Associated Transportation Engineers (ATE) has prepared the following revised transportation analysis for the Kia of Calabasas, proposed in the City of Calabasas. The revised transportation analysis address comments provided by City staff on the March 13th traffic analysis prepared by ATE. The revised traffic analysis evaluates the Project's consistency with the policies outlined in the City's Local Transportation Study Guidelines.

We appreciate the opportunity to assist you with this Project.

Associated Transportation Engineers

Scott A. Schell
Principal Transportation Planner

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INTRODUCTION

The following study contains an analysis of the potential traffic and circulation effects associated with the Kia of Calabasas (the "Project"), located in the City of Calabasas. The study provides information regarding existing and future traffic conditions within the Project study-area and recommends improvements where necessary. The transportation analysis follows the procedures outlined in the City of Calabasas Local Transportation Study Guidelines and evaluates the Project's consistency with the City policies.

PROJECT DESCRIPTION



As illustrated on Figure 1, the Project site is located at 24460 Calabasas Road. The Project is proposing to construct a 47,944 square-foot new car sales dealership with a 2,117 square foot carwash on a site previously occupied by a retail nursery. The Project site plan is illustrated on Figure 2. As shown, site access will be provided via a driveway connection to Calabasas Road. A total of 79 parking spaces and 4 bicycle spaces will be provided on-site.

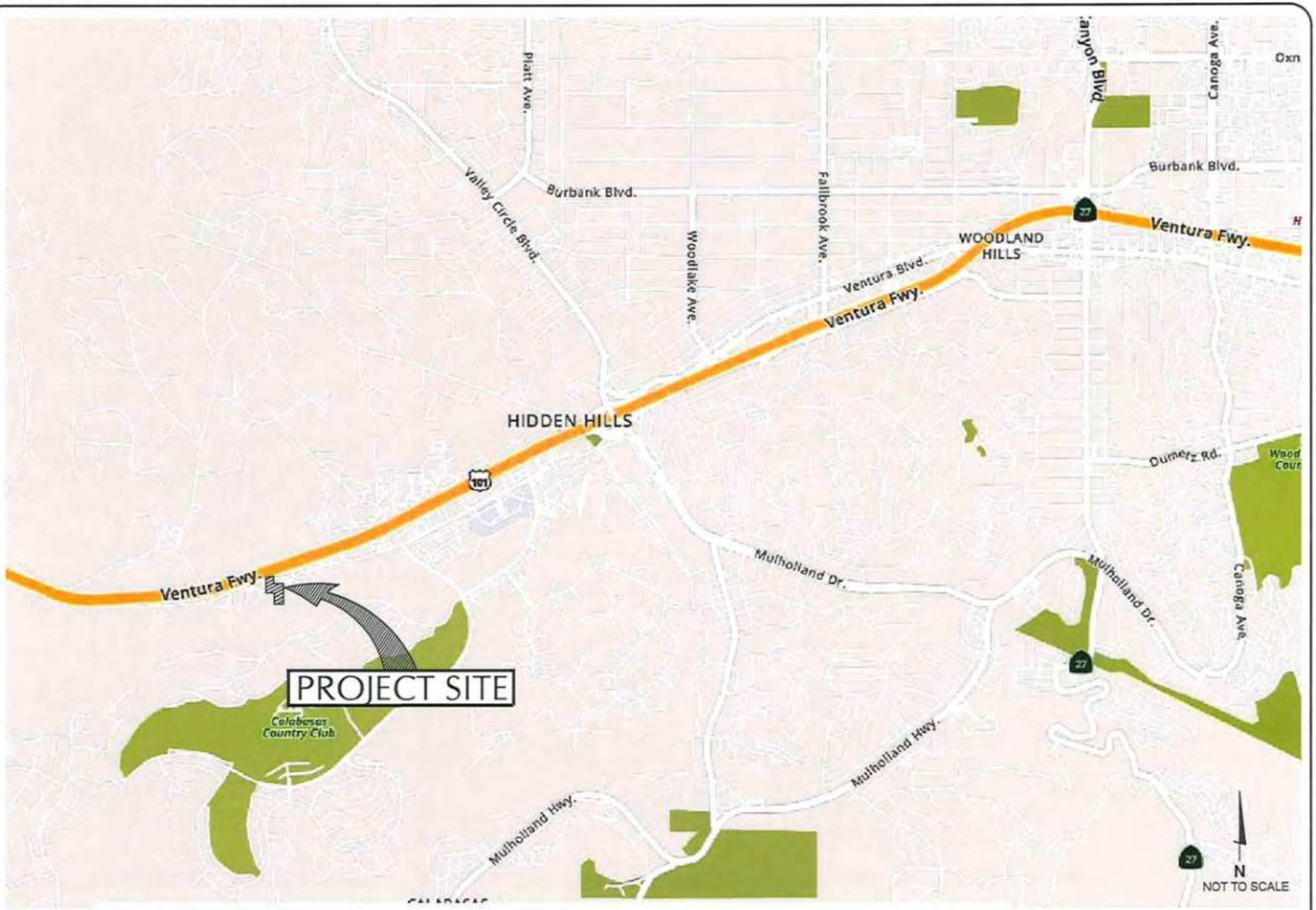
TRAFFIC SCENARIOS AND SCOPE OF WORK

The traffic study assesses potential traffic effects for the following scenarios.

Traffic Scenarios

1) Existing Conditions
2) Existing + Project Conditions
3) Cumulative (Existing+ Approved/Pending Projects) Conditions
3) Cumulative (Existing+ Approved/Pending Projects) + Project Conditions

The traffic analysis evaluates the weekday AM and PM peak hour periods for 3 study-area intersections. The Cumulative scenario provides an analysis of the development of approved/pending projects. The Cumulative + Project assumes development of approved/pending projects and the Project.

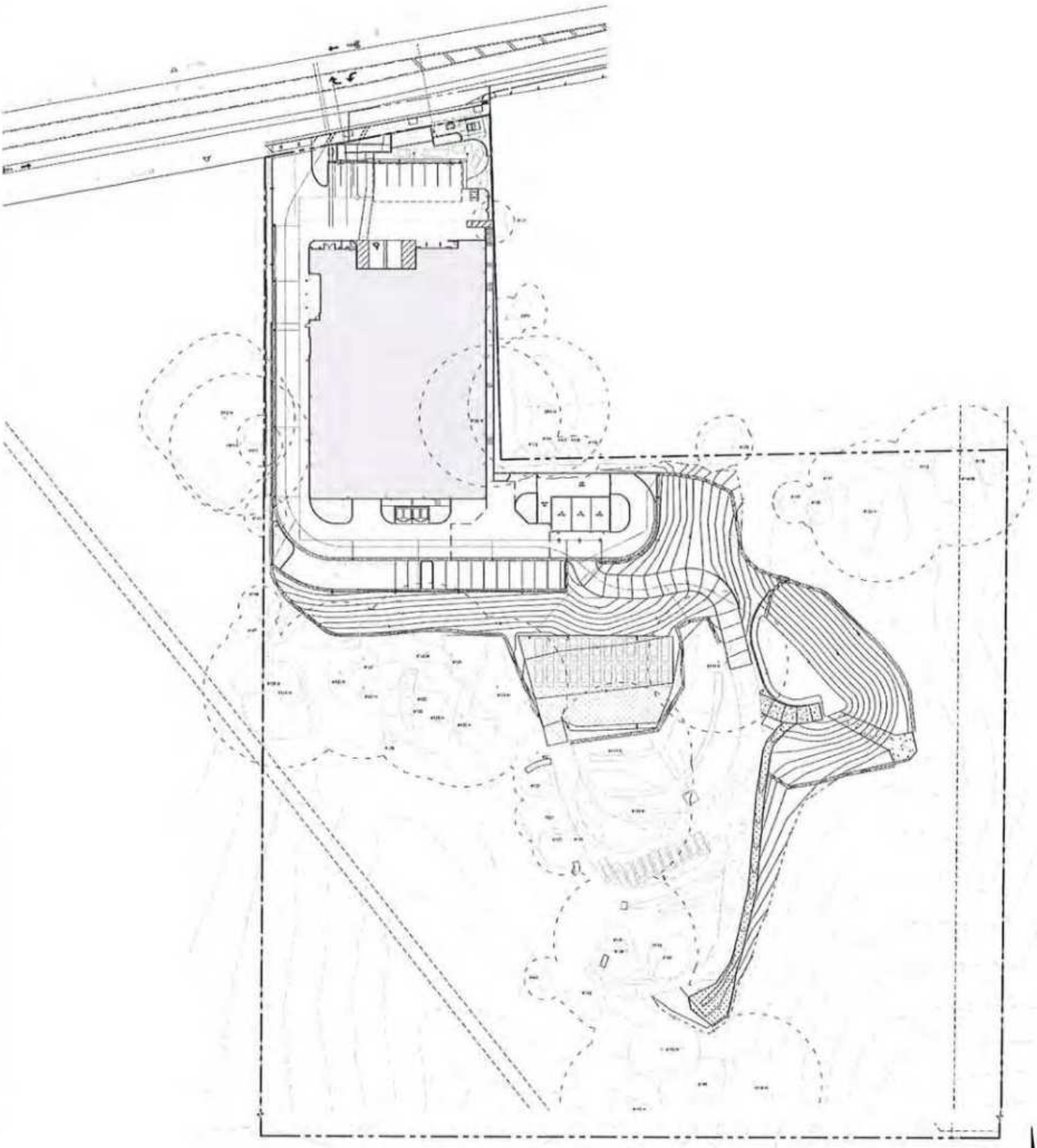


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PROJECT SITE LOCATION

FIGURE 1

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ENGINEERS

PROJECT SITE PLAN

FIGURE 2

GM- ATE#23066

The scope of work and traffic assessment methodologies presented in this study were developed based on the requirements outlined in the City of Calabasas Local Transportation Study Guidelines.

EXISTING CONDITIONS

Street Network

The Project site is served by a network of arterial roads and collector streets as illustrated in Figure 1. The following text provides a brief description of the major components of the study-area street network.



Calabasas Road, located adjacent to the Project site, is an east-west 2 to 4-lane undivided arterial roadway in the study-area. The posted speed on Calabasas Road is 40 mph. The roadway extends east from Mureau Road to Mulholland Drive and serves primarily commercial uses in the study-area. The roadway is partially improved with curb, gutter and sidewalks from Mureau Road to Parkway Calabasas. No sidewalk is currently provided adjacent to the Project site. The existing on-street parking is used by the adjacent auto dealerships. Class II bike lanes are provided along the roadway. The Project will improve Calabasas Road along its frontage. The intersections of Calabasas Road/Calabasas Parkway and U.S. Highway 101 southbound ramps/Calabasas Road are controlled by traffic signals.



Parkway Calabasas, located east of the Project site, is a north-south 2 to 4-lane divided arterial roadway in the study-area. The posted speed on Parkway Calabasas is 40 mph. The roadway extends south from the Hidden Hills West Estates gated community to the Estates at the Oaks gated community. Parkway Calabasas serves primarily residential and commercial uses in the study-area. The roadway is fully improved with curb, gutter and sidewalk. Class II bike lanes are provided along the roadway. The intersection of Calabasas Road/Parkway Calabasas is controlled by traffic signals.

Mureau Road, located west of the Project site, is an east-west 2 to 4-lane arterial roadway in the study-area. The posted speed on Mureau Road is 35 mph. The roadway extends east from Las Virgenes Road to Calabasas Road. Mureau Road serves primarily residential uses in the study-area. The roadway is partially improved with curb and gutter. Class II bike lanes are provided along the roadway. Currently the intersection of Calabasas Road/Mureau Road is STOP-Sign controlled. A roundabout is programmed for installation at the Calabasas Road/Mureau Road intersection in 2024/2025 and is assumed to be in place for the post Project scenarios.

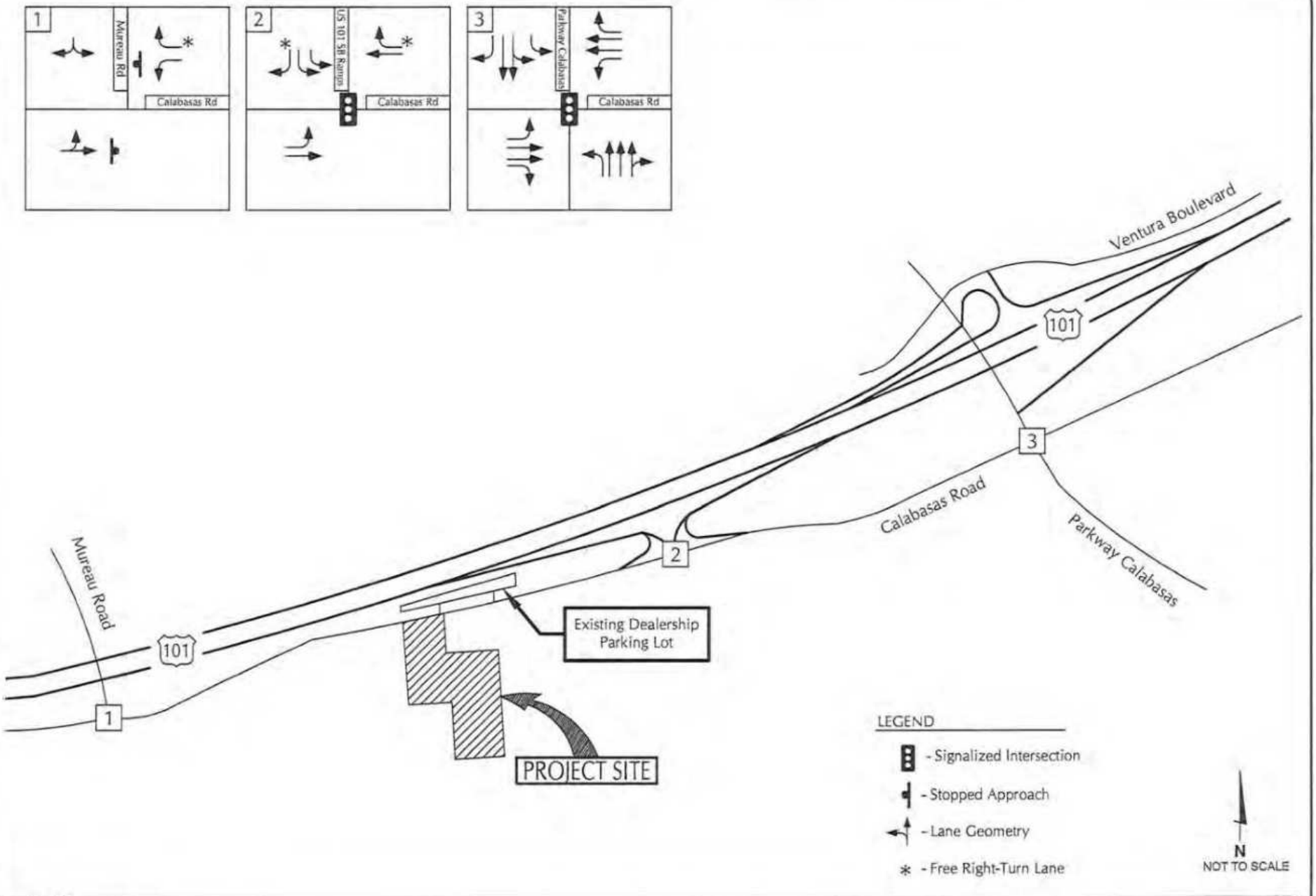


Existing Intersection Operations

Because traffic flow on urban arterial roadways is most constrained at intersections, detailed traffic flow analyses focus on the operating conditions of critical intersections during peak travel periods. "Levels of Service" (LOS) A through F are used to rate intersection operations, with LOS A indicating free flow operations and LOS F indicating congested operations (more complete definitions of levels of service are included in the Technical Appendix). The City of Calabasas considers LOS C better acceptable for signalized City intersections and LOS D for freeway ramp intersections.

Figure 3 shows the existing traffic controls and lane geometries at the study-area intersections and Figure 4 illustrates the existing AM and PM peak hour traffic volumes. Existing intersection traffic volumes were obtained from traffic count data collected on February 1, 2023 (see Technical Appendix for count data). Counts provided by the City of Calabasas were conducted during the AM peak commuter period (7:00-9:00 AM) and PM peak commuter period (4:00-6:00 PM). The peak 1-hour volumes were then identified for the analysis.

Levels of service were calculated for the signalized and unsignalized study-area intersections using the methodology outlined in the Highway Capacity Manual (HCM 6th Edition). Levels of service are based on the average number of seconds of delay per vehicle during the peak 15-minute period within the overall peak hour. Table 1 lists the Existing traffic controls and levels of service for the study-area intersections (calculation worksheets included in Technical Appendix.

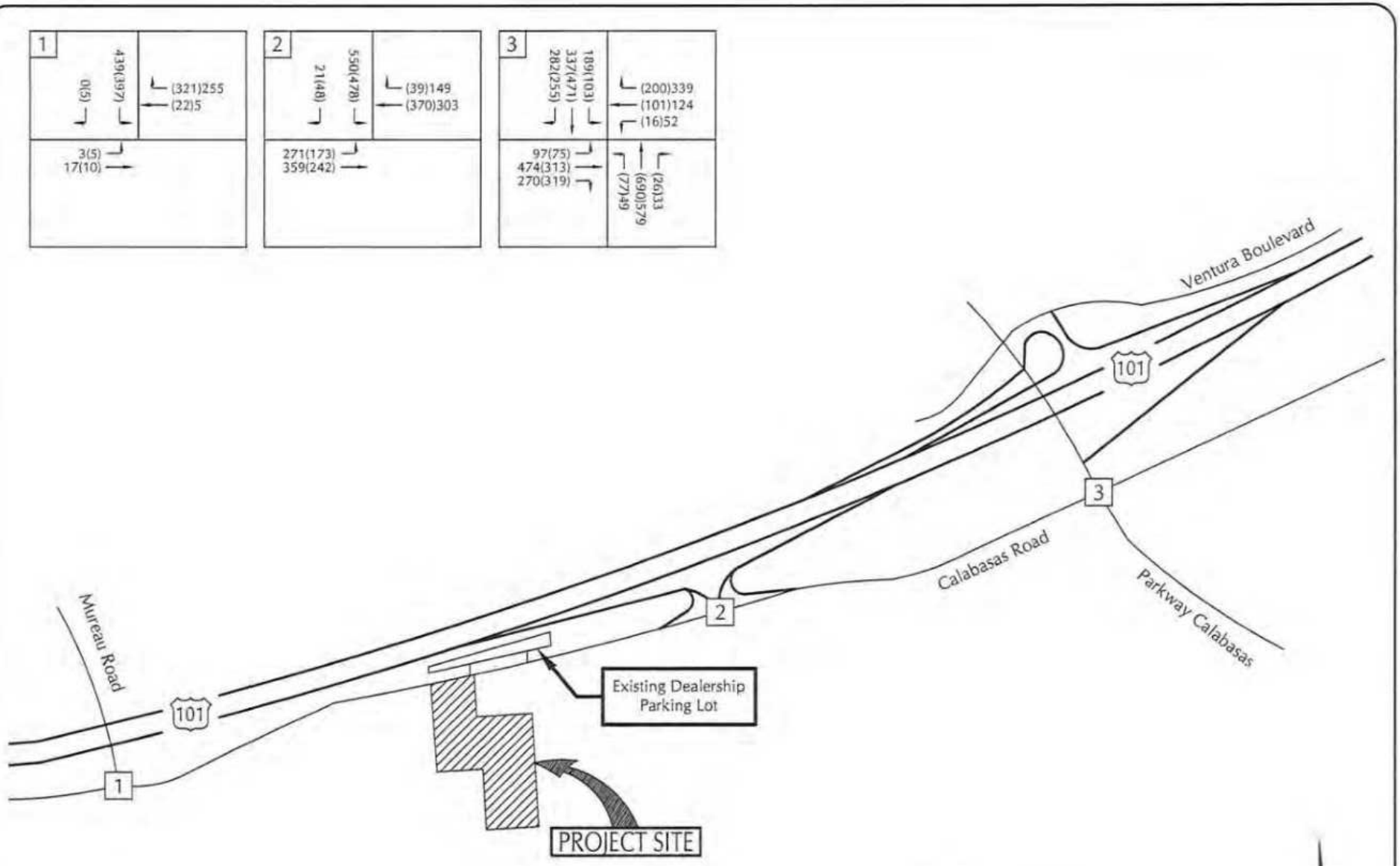


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EXISTING STREET NETWORK

FIGURE 3

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EXISTING TRAFFIC VOLUMES

FIGURE 4

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Table 1
Existing Peak Hour Intersection Levels of Service

Intersection	Control	Delay/LOS(a)	
		AM Peak Hour	PM Peak Hour
Calabasas Road/Mureau Road	STOP-Sign	22.8 Sec./LOS C	20.5 Sec./LOS C
U.S. Highway 101 SB Ramps/Calabasas Road	Signal	22.9 Sec./LOS C	21.9 Sec./LOS C
Calabasas Road/Calabasas Parkway	Signal	35.6 Sec./LOS D	33.8 Sec./LOS D

The data presented in Table 1 show that the study-area intersections operate in the LOS C - D range during the AM and PM peak hour periods.

PEDESTRIAN, BICYCLE AND TRANSIT FACILITIES

Pedestrian and Bicycle Facilities



Currently there are limited pedestrian facilities (sidewalks crosswalk, etc.) located along Calabasas Road in the study-area. Sidewalks are provided along the developed portions of Calabasas Road in the study-area. Currently there is no sidewalk provided on Calabasas Road adjacent to the Project site. As part of the Project frontage improvements, a sidewalk will be provided on Calabasas Road. The Project site design includes an internal pedestrian pathway that will connect to the sidewalk along Calabasas Road. The sidewalks connect the Project to the local transit service provided in the study-area on Parkway Calabasas. The nearest pedestrian crosswalk across Calabasas Road is provided at the signalized Calabasas Road/Parkway Calabasas intersection. Striped pedestrian crosswalks, ADA ramps with detectable warning strips and pedestrian call buttons are provided on each leg of the intersection. The proposed Project would not have an adverse effect on the existing pedestrian facilities.

The Project site is served by the City of Calabasas Bikeway System. The existing bicycle facilities located in the study-area consist of Class II bike lanes along Calabasas Road, Parkway Calabasas and Mureau Road. These bike facilities connect the Project to the residential areas east and west of the Project. The proposed Project would not have an adverse effect on the existing bicycle facilities. Bicycle parking (4 spaces) would be provided on-site for employees and customers that choose to bike to the Kia of Calabasas.



Transit Facilities



The City of Calabasas, Los Angeles Metro (Metro) and Los Angeles Department of Transportation (LADOT) are the local transit providers in the City of Calabasas. The Project site is served by the City of Calabasas Line 1 Shuttle. The Line 1 Shuttle operates Monday through Friday from 6:30 AM to 6:00 PM providing fixed route bus service on Calabasas Road in the vicinity of the Project site. The nearest Line 1 Shuttle stop to the Project is located just west of the site adjacent to Bob Smith's BMW dealership.



The Project site is also served by the LA Metro #161 Route (Canoga Station - Thousand Oaks). The #161 Route operates daily providing fixed route bus service on Parkway Calabasas in the vicinity of the Project site. During the peak commute hours, the #161 Route operates with 30-minute headways. The nearest Route #161 stop to the Project is located on the west side of Parkway Calabasas, just south of Calabasas Road. The Project site is also served by the LADOT Commuter Express #423 Route (Downtown LA - Thousand Oaks). The #423 Route operates Monday through Friday providing fixed route bus service on Calabasas Road and Parkway Calabasas in the vicinity of the Project site. During the peak commute hours, the

#423 Route operates with 30-minute headways. The nearest #423 Route stop to the Project is located on the west side of Parkway Calabasas, just south of Calabasas Road. The proposed Project has the potential to increase transit ridership in the study-area which would be accommodated by the existing transit service provided.

CITY OF CALABASAS INTERSECTION ADVERSE EFFECT POLICY

An adverse effect on intersection operations occurs when the analysis demonstrates that a project would cause the operations standard at a study intersection to fall below LOS C with the addition of project vehicle-trips to baseline conditions. For signalized intersections already operating at LOS D, E or F under baseline conditions, an adverse effect is defined in the following tables.

City of Calabasas Criteria for City-Operated Signalized Intersections

LOS without Project	LOS with Project	Average Total Delay (Seconds per Vehicle)	Project-Related Increase in Seconds of Average Total Delay
A, B or C	D, E or F	-	Any increase in delay
D, E or F	D, E or F	>35.0	Equal to or greater than 5.0 seconds

City of Calabasas Criteria for Signalized Freeway Intersections

LOS without Project	LOS with Project	Average Total Delay (Seconds per Vehicle)	Project-Related Increase in Seconds of Average Total Delay
A, B, C or D	E or F	-	Any increase in delay
E or F	E or F	>55.0	Equal to or greater than 5.0 seconds

City of Calabasas Criteria for Unsignalized (All-Way STOP Controlled) Intersections

LOS without Project	LOS with Project	Average Total Delay (Seconds per Vehicle)	Project-Related Increase in Seconds of Average Total Delay
A, B or C	D, E or F	-	Any increase in delay
D, E or F	D, E or F	>25.0	Equal to or greater than 3.0 seconds

City of Calabasas Criteria for Unsignalized (Two-Way STOP Controlled) Intersections

LOS with Project	Average Total Delay (Seconds per Vehicle)	Project-Related Increase in LOS or Seconds of Average Total Delay
D	>25.0 to 35.0	LOS C or better to LOS D or worse and meets the peak hour warrant for a traffic signal
E	>35.0 to 50.0	LOS D or better to LOS E or worse and meets the peak hour warrant for a traffic signal
F	>50.0	>10 seconds of delay for worst-case approach if already at LOS F and meets the peak hour warrant for a traffic signal

An adverse intersection operation effect by City of Calabasas standards may be addressed by implementing measures that would restore intersection level of service to background conditions or better.

PLANNED IMPROVEMENTS

Calabasas Road/Mureau Road. The intersection is currently STOP-Sign controlled on the eastbound approach. The City has programmed the implementation of a three-approach single lane roundabout with YIELD traffic control at the intersection in 2024/2025. The Existing + Project and Cumulative analysis therefore evaluates the future intersection operations assuming the roundabout control.

EXISTING + PROJECT ANALYSIS

Project Trip Generation

The Project is proposing to construct 47,944 square-feet of new auto sales space. Trip generation estimates were calculated for the Kia of Calabasas Project based on the rates published in the Institute of Transportation Engineers (ITE), Trip Generation, 11th Edition for Automobile Sales - New (Land Use Code #840). The analysis assumes that the car wash facility would be an ancillary use to the dealership and would not generate any additional traffic. Table 2 presents the trip generation estimates for the Project.

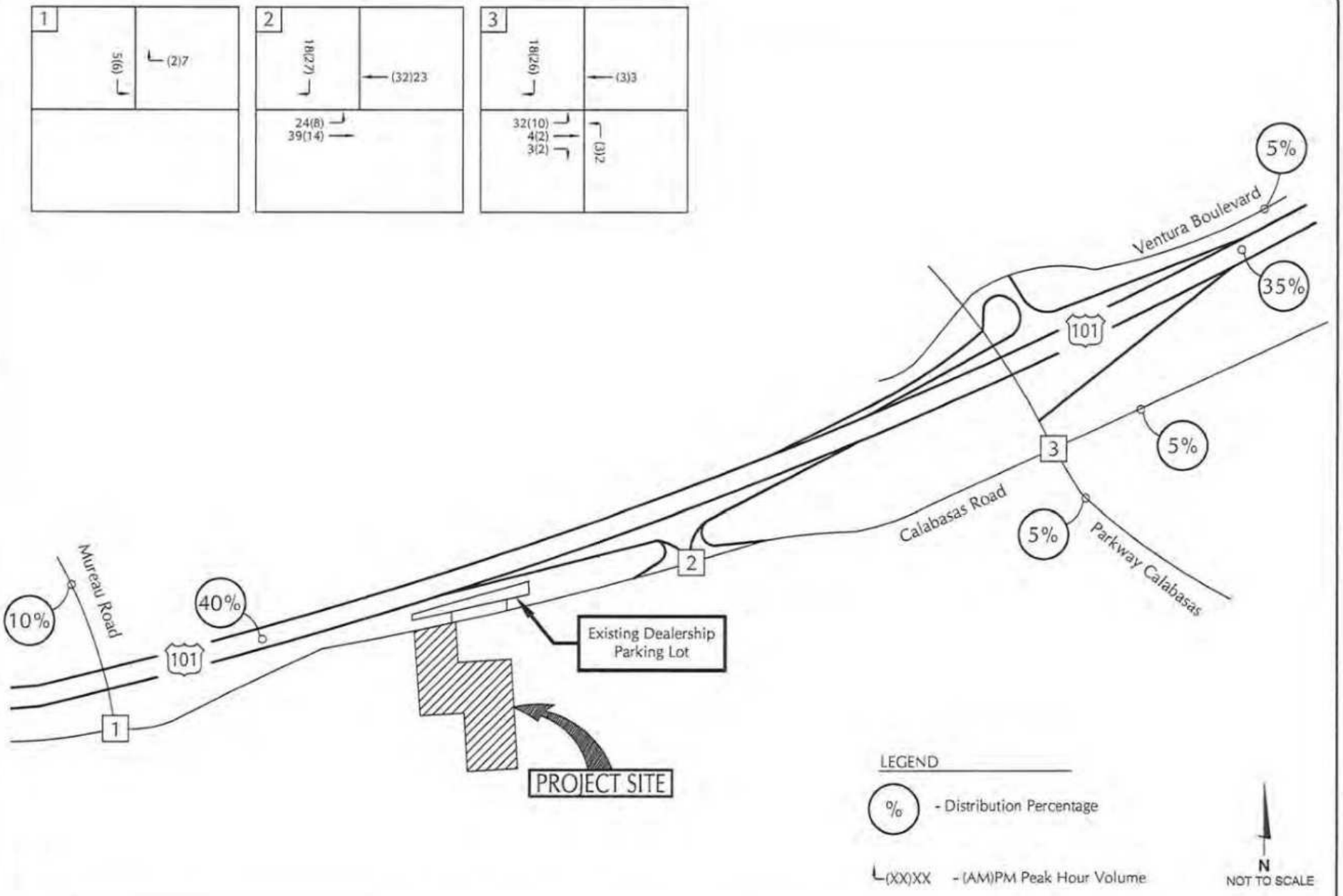
Table 2
Project Trip Generation

Land Use	Size	ADT		AM Peak Hour		PM Peak Hour	
		Rate	Trips	Rate	Trips	Rate	Trips
Automobile Sales - New	47,944 SF	27.84	1,335	1.86	89 (65/24)	2.42	116 (46/70)

The data presented in Table 2 indicate that the Kia of Calabasas Project is estimated to generate 1,335 ADT, 89 AM peak hour trips and 116 PM peak hour trips.

Project Trip Distribution

The trip distribution model developed for the Project was based on existing traffic patterns observed in the study-area, estimated service area for the new car dealership, the proposed site access and parking system, and input from City staff. Table 3 presents the trip distribution percentages developed for the analysis and Figure 5 illustrates the assignment of Project traffic on the study-area street network.



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PROJECT TRIP DISTRIBUTION AND ASSIGNMENT

FIGURE 5

CM- ATE#23066

Table 3
Project Trip Distribution

Route	Origin/Destination	Percentage
U.S. Highway 101	North South	40% 35%
Calabasas Parkway	South	5%
Calabasas Road	East	5%
Ventura Boulevard	East	5%
Mureau Road	West	10%
	Total:	**100%**

Existing + Project Intersection Levels of Service

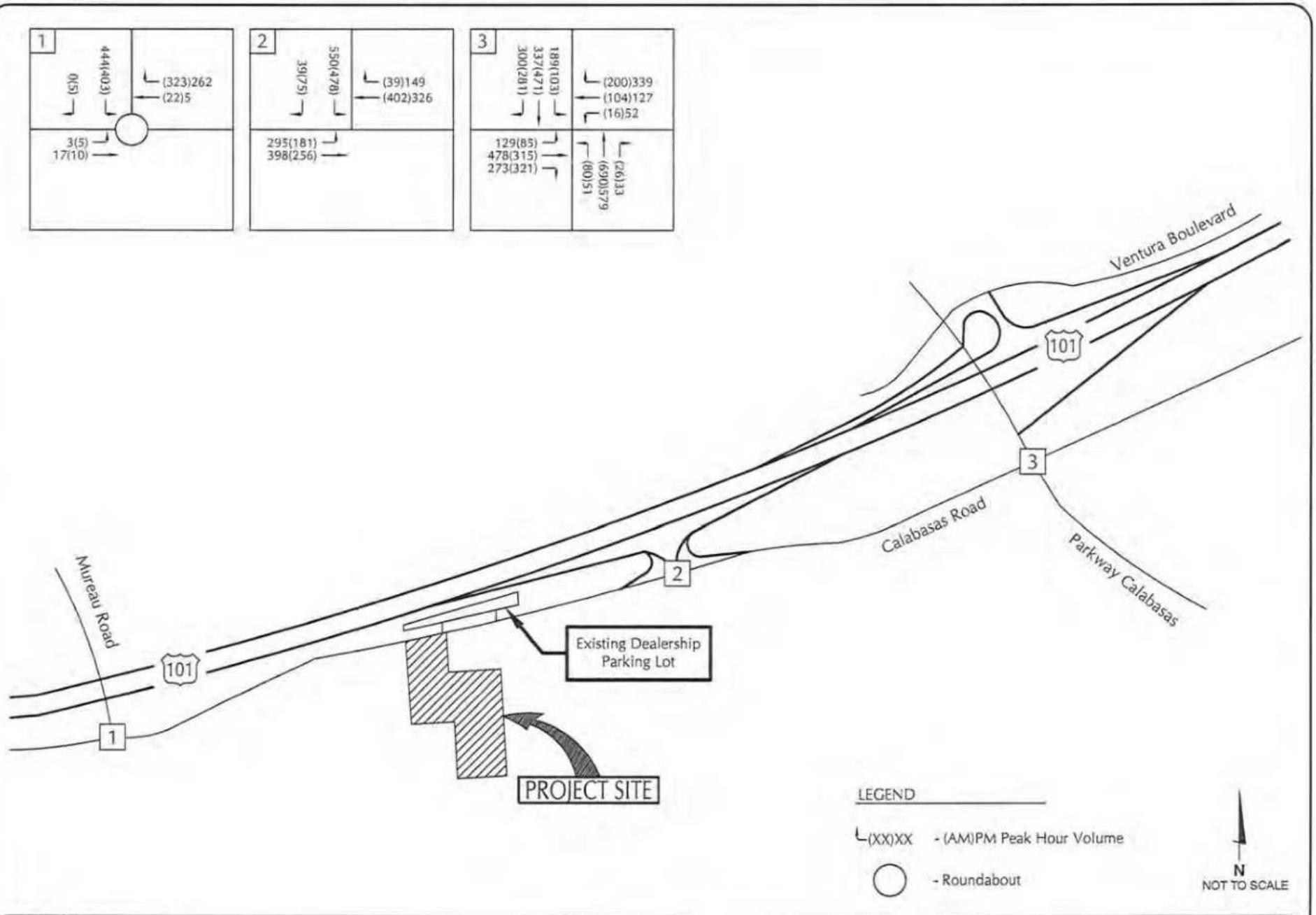
Levels of service were calculated for the study-area intersections assuming the Existing + Project traffic volumes illustrated on Figure 6. Tables 4 and 5 compare the Existing and Existing + Project AM and PM peak hour levels of service for the study-area intersections and identify operational effects based on City policy. The City has programmed the implementation of a three-approach single lane roundabout with YIELD traffic control at the Calabasas Road/Mureau Road intersection in 2024/2025. The Existing + Project analysis evaluates the intersection operations assuming roundabout control.

Table 4
Existing + Project AM Peak Hour Levels of Service

Intersection	Existing		Existing + Project		Project-Added	
	Delay	LOS	Delay	LOS	Delay	Exceed?
Calabasas Road/Mureau Road	22.8 Sec.	LOS C	3.8 Sec.	LOS A	0.0 Sec.	NO
U.S. Highway 101 SB Ramps/Calabasas Road	22.9 Sec.	LOS C	23.2 Sec.	LOS C	0.3 Sec.	NO
Calabasas Road/Calabasas Parkway	35.6 Sec.	LOS D	35.9 Sec.	LOS D	0.3 Sec.	NO

Table 5
Existing + Project PM Peak Hour Levels of Service

Intersection	Existing		Existing + Project		Project-Added	
	Delay	LOS	Delay	LOS	Delay	Exceed?
Calabasas Road/Mureau Road	20.5 Sec.	LOS C	3.9 Sec.	LOS A	0.0 Sec.	NO
U.S. Highway 101 SB Ramps/Calabasas Road	21.9 Sec.	LOS C	22.0 Sec.	LOS C	0.1 Sec.	NO
Calabasas Road/Calabasas Parkway	33.8 Sec.	LOS C	33.9 Sec.	LOS C	0.1 Sec.	NO



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EXISTING + PROJECT TRAFFIC VOLUMES

FIGURE 6

GM- ATE#23066

The data presented in Tables 4 and 5 indicate that with the addition of Project traffic the study-area intersections would operate in the LOS A - D range during the AM and PM peak hour periods. For City operated signalized intersections already operating at LOS D, E or F under baseline conditions, an adverse effect is defined as an increase of 5 seconds or more. The Project would not have an adverse effect on intersection operations based on the City's intersection operation policy.

CUMULATIVE ANALYSIS

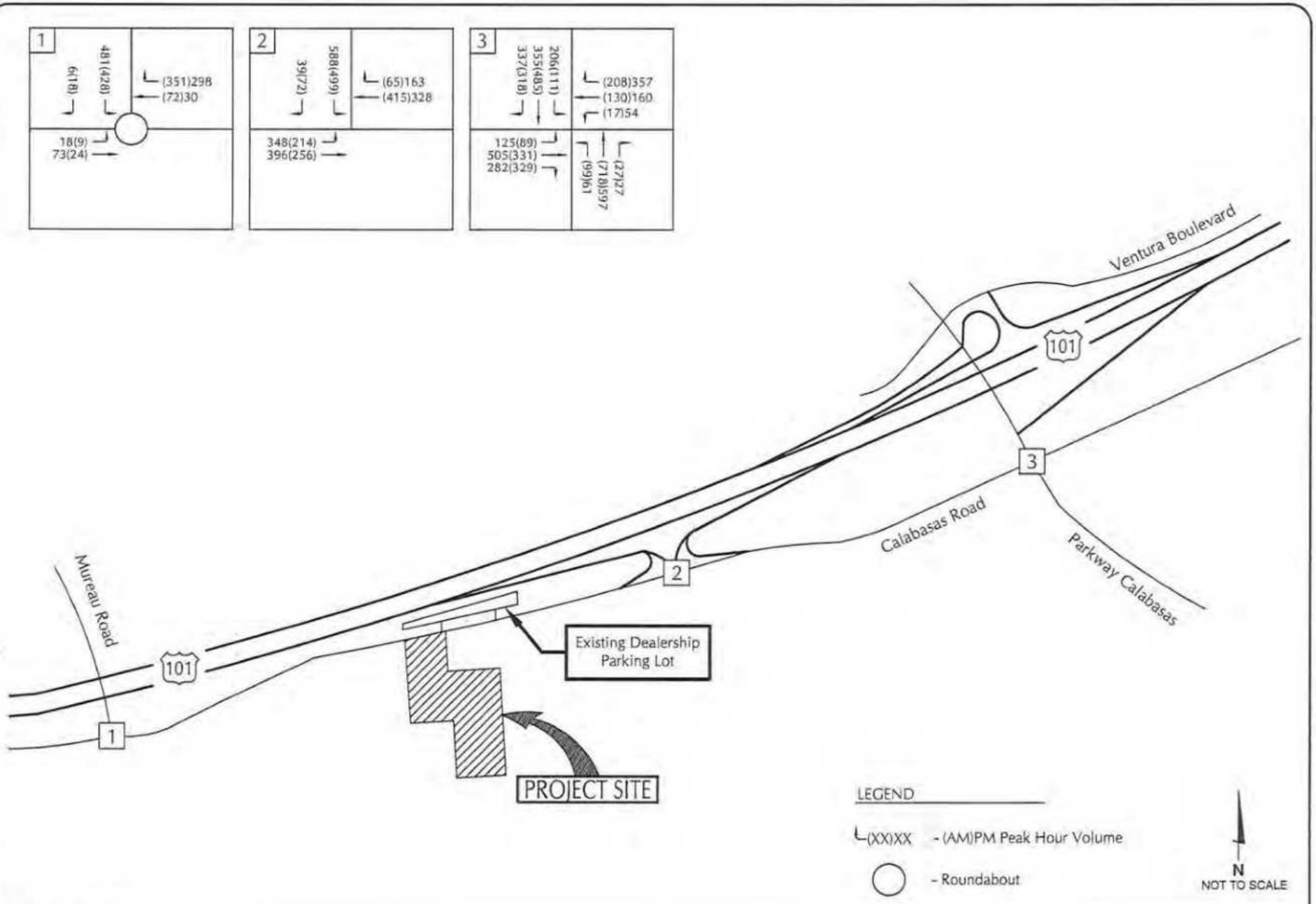
The City of Calabasas Local Transportation Study Guidelines require that intersection operations be evaluated assuming development of approved/pending projects proposed within the City of Calabasas.

Cumulative Traffic Forecasts

Cumulative traffic volumes were forecast for the study-area intersections assuming development of the approved and pending projects proposed within the City of Calabasas. The list of projects was obtained from the City of Calabasas. Trip generation estimates were calculated for the cumulative projects based on the rates published in the Institute of Transportation Engineers (ITE), Trip Generation, 11th Edition and presented in Table 6. Traffic generated by the cumulative projects was then added to the Existing volumes to produce the Cumulative traffic forecasts. The Cumulative peak hour traffic volumes are illustrated on Figure 7.

Table 6
Cumulative Projects Trip Generation

Project Name	Land Use	Size/Units	ADT	Trips	
				AM Peak Hour	PM Peak Hour
The Park Apartments	Residential	107 Units	368	47	42
Calabasas Commons	Residential	202 Units	695	89	79
Calabasas Auto Park	Auto Dealership	31,683 SF	46	6	6
Hidden Terraces Specific Plan	Residential	180 Units	583	52	54
Hidden Terraces Specific Plan	Residential	83 Beds	216	18	27
Barrett Medical Center	Medical Office	25,030 SF	901	78	98
		Total Trip Generation:	2,809	290	306



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CUMULATIVE TRAFFIC VOLUMES

FIGURE 7

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The data presented in Table 6 indicate that the cumulative projects are estimated to generate 2,809 ADT, 290 AM peak hour trips and 306 PM peak hour trips.

Cumulative Intersection Levels of Service

Levels of service were calculated for the study-area intersections assuming the Cumulative traffic volumes illustrated on Figure 7. Table 7 presents the Cumulative AM and PM peak hour levels of service.

Table 7
Cumulative Peak Hour Intersection Levels of Service

Intersection	AM Peak Hour		PM Peak Hour	
	Delay	LOS	Delay	LOS
Calabasas Road/Mureau Road[a]	7.4 Sec.	LOS A	6.1 Sec.	LOS A
U.S. Highway 101 SB Ramps/Calabasas Road	23.7 Sec.	LOS C	22.6 Sec.	LOS C
Calabasas Road/Calabasas Parkway	36.5 Sec.	LOS D	33.9 Sec.	LOS C
(a) LOS analysis assumes implementation of a single-lane roundabout.				

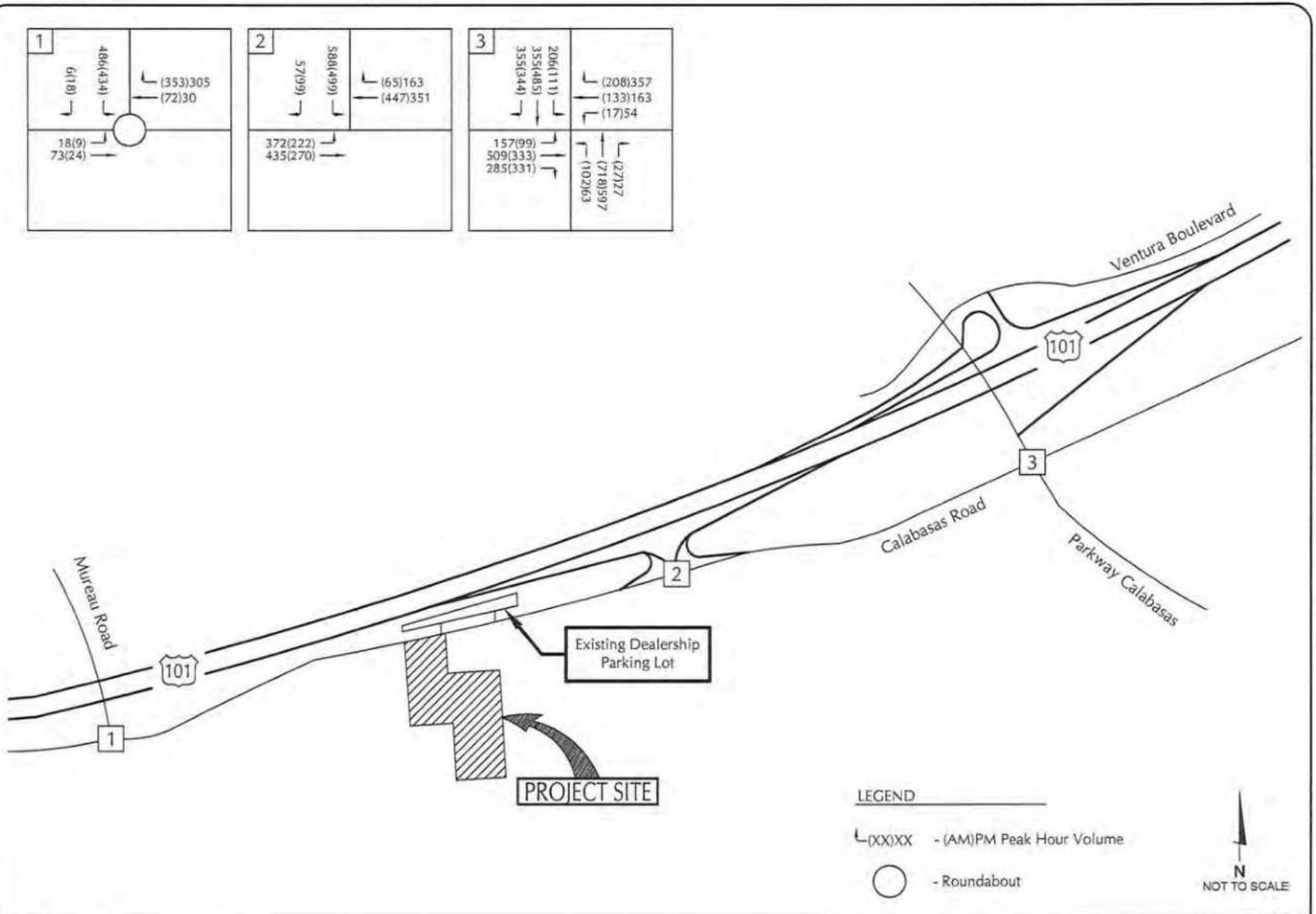
The data presented in Table 7 indicate that the study-area intersections would operate acceptably in the LOS A - D range with Cumulative (Existing + Approved/Pending Project) traffic volumes.

Cumulative + Project Intersection Levels of Service

Levels of service were calculated for the study-area intersections assuming the Cumulative + Project traffic volumes illustrated on Figure 8. Tables 8 and 9 compare the Cumulative and Cumulative + Project AM and PM peak hour levels of service for the study-area intersections and identify operation effects based on City policy.

Table 8
Cumulative + Project AM Peak Hour Levels of Service

Intersection	Cumulative		Cumulative + Project		Project-Added	
	Delay	LOS	Delay	LOS	Delay	Exceed?
Calabasas Road/Mureau Road[a]	7.4 Sec.	LOS A	7.4 Sec.	LOS A	0.0 Sec.	NO
U.S. Highway 101 SB Ramps/Calabasas Road	23.7 Sec.	LOS C	24.1 Sec.	LOS C	0.4 Sec.	NO
Calabasas Road/Calabasas Parkway	36.5 Sec.	LOS D	36.9 Sec.	LOS D	0.4 Sec.	NO
(a) LOS analysis assumes implementation of a single-lane roundabout.						



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CUMULATIVE + PROJECT TRAFFIC VOLUMES

FIGURE 8

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Table 9
Cumulative + Project PM Peak Hour Levels of Service

Intersection	Cumulative		Cumulative + Project		Project-Added	
	Delay	LOS	Delay	LOS	Delay	Exceed?
Calabasas Road/Mureau Road[a]	6.1 Sec.	LOS A	6.2 Sec.	LOS A	0.1 Sec.	NO
U.S. Highway 101 SB Ramps/Calabasas Road	22.6 Sec.	LOS C	22.9 Sec.	LOS C	0.3 Sec.	NO
Calabasas Road/Calabasas Parkway	33.9 Sec.	LOS C	34.0 Sec.	LOS C	0.1 Sec.	NO
(a) LOS analysis assumes implementation of a single-lane roundabout.						

The data presented in Tables 8 and 9 indicate that with the addition of Project traffic, the study-area intersections would continue to operate in the LOS A - D range. For City operated signalized intersections already operating at LOS D, E or F under baseline conditions, an adverse effect is defined as an increase of 5 seconds or more. The Project would not have an adverse effect on intersection operations based on the City's intersection operation policy.

SITE ACCESS AND CIRCULATION

Access to the site would be provided via a relocated driveway connection (26 feet wide) to Calabasas Road (see Figure 2 - Project Site Plan). The Project driveway will be designed and constructed to City of Calabasas design standards and allow full access. Figures 9 and 10 illustrate the turning movements for vehicles entering and exiting the site. As illustrated on the figures, adequate space is provided for vehicles to make the turning maneuvers with good visibility. Car carrier delivery trucks would not be able enter the site via the Project driveway. Instead, new vehicles would be unloaded off-site and then driven on-site or stored in other off-site lots. It is estimated that there would be approximately 6 car carrier deliveries per month between the hours of 7:00 AM and 6:00 PM.

The section of Calabasas Road adjacent to the site has not been fully improved with curb, gutter, sidewalk, and street lighting. The Project would be required to complete the frontage improvements as illustrated on Figure 11. As shown on the figure, the existing center turn lane on Calabasas Road would be extended to the Project frontage. An on-street loading zone would also be provided adjacent to the Project site to accommodate the car carrier trucks. The car carrier trucks would also be able to use the extended center turn lane to unload vehicles, which is a typical delivery practice for the other dealerships along Calabasas Road.



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INGRESS TURNING MOVEMENTS

FIGURE 9

GM- ATE#23066



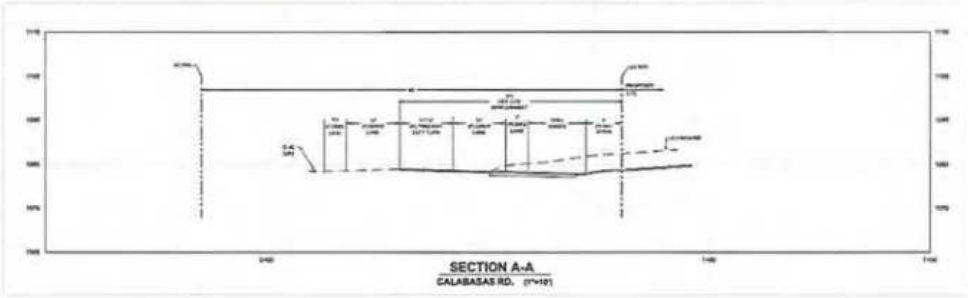
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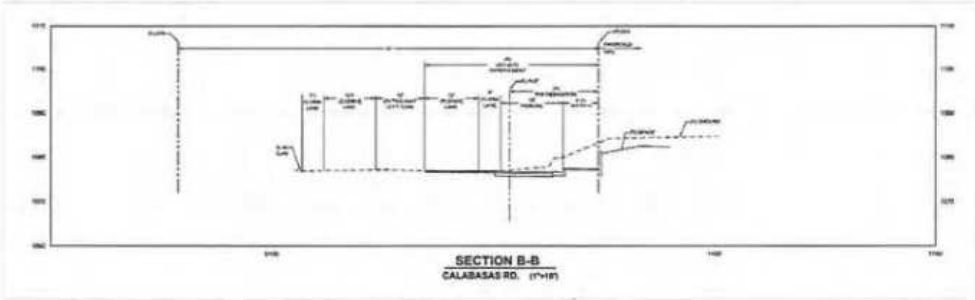
EGRESS TURNING MOVEMENTS

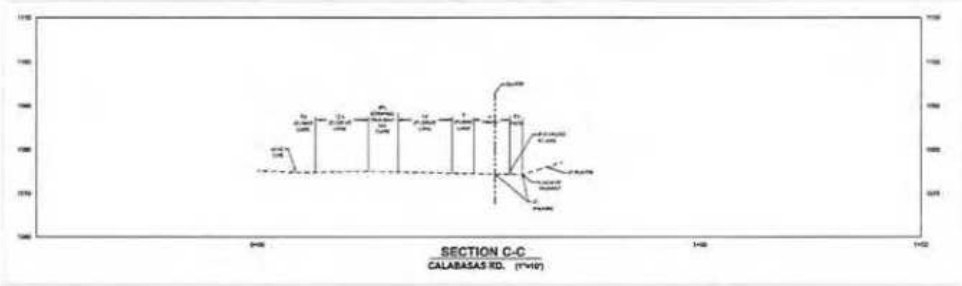
FIGURE 10

GM- ATE#23066











NOT TO SCALE

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PROJECT FRONTAGE IMPROVEMENT

FIGURE 11

GM- ATE#23066

Sight Distance



Adjacent to the Project site, Calabasas Road is relatively straight and level. A sight distance analysis was completed at the proposed driveway location to determine if there would be adequate inter-visibility between a driver exiting from the driveway and a vehicle traveling on Calabasas Road. The posted speed limit on Calabasas Road is 40 mph adjacent to the driveway. The AASHTO minimum corner sight distance for a 40-mph design speed is 440 feet. As illustrated on Figure 12, the sight distance looking to the east and west from the driveway satisfies the AASHTO 440-foot corner sight distance requirement. The AASHTO minimum stopping sight distance for a 40-mph design speed is 300 feet. As illustrated on Figure 13, the sight distance looking from the east and west of the driveway satisfies the AASHTO 300-foot stopping sight distance requirement.

It was noted that vehicles currently park along the curb adjacent to the Project driveway. These parked vehicles could block the sight distance of drivers exiting the Project driveway. It is therefore recommended that a Red Curb "No Parking" zone be installed on Calabasas Road east and west of the Project driveway (50 feet to east and west). It is also noted that the existing landscaping along the frontage of the Project while looking east and west along Calabasas Road needs to be maintained at a height of less than 3.5 feet in order to provide intervisibility between eastbound and westbound traffic on Calabasas Road and traffic exiting the Project driveway.



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PROJECT DRIVEWAY CORNER SIGHT DISTANCES

FIGURE 12

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PROJECT DRIVEWAY STOPPING SIGHT DISTANCES

FIGURE 13

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PARKING ANALYSIS

Zoning Ordinance Parking Requirements

The City of Calabasas Zoning Ordinance parking requirements were calculated for the Project based on the rates established for the Commercial Office Zoning District (CO) Zone. The parking space requirement is based on the following specifications for Car Dealerships:

- Motor Vehicle and Parts Sales - 1 space for each 450 sq.ft. of gross floor area for showroom and office, plus 1 space for each 2,000 sq.ft. of outdoor display area, plus 1 space for each 500 sq.ft. of gross floor area for vehicle repair, plus 1 space of each 300 sq.ft. of gross floor area for the parts department.

Table 10 presents the City Zoning Ordinance parking requirements for the Kia of Calabasas.

Table 10
Zoning Ordinance Parking Requirements

Land-Use	Building Area	Zoning Ordinance Requirement	Required Parking Spaces
Car Sales	13,662 sq.ft. Showroom/Office Area	1 Space/per 450 sq.ft.	31 Vehicle Spaces
	969 sq.ft. Outdoor Display Area	1 Space/per 2,000 sq.ft.	42 Vehicle Spaces
	20,737 sq.ft. Vehicle Repair Area	1 Space/per 500 sq.ft.	1 Vehicle Space
	1,356 sq.ft. Parts Department	1 Space/per 300 sq.ft.	5 Vehicle Spaces
		Total Parking Requirement:	79 Spaces
		Parking Provided:	79 Spaces

The data presented in Table 10 indicate that the City Zoning Ordinance parking requirement is 79 vehicle parking spaces. The 79 on-site vehicle parking spaces provided would satisfy the City's requirements.

■ ■ ■

REFERENCES AND PERSONS CONTACTED

Associated Transportation Engineers

Scott A. Schell, Principal Planner
Darryl F. Nelson, Senior Transportation Planner
Glenn O. Manaois, Transportation Engineer I

References

Transportation Analysis Handbook, City of Calabasas, April 2020.

Highway Capacity Manual, 6th Edition, Transportation Research Board, 2016.

Trip Generation, Institute of Transportation Engineers, 11th Edition, 2020.

Envision Calabasas 2040 General Plan, City of Calabasas, July 2022.

Persons Contacted

Tom Mericle, P.E. Traffic Engineer, City of Calabasas

TECHNICAL APPENDIX

CONTENTS:

LEVEL OF SERVICE DEFINITIONS

CITY OF CALABASAS LOCAL TRANSPORTATION STUDY CHECKLIST/SCOPE OF WORK

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INTERSECTION LEVEL OF SERVICE CALCULATION WORKSHEETS

Reference 1 - Calabasas Road/Mureau Road
Reference 2 - U.S. Highway 101 Southbound Ramps/Calabasas Road
Reference 3 - Calabasas Road/Calabasas Parkway

CITY OF CALABASAS APPROVED DEVELOPMENT PROJECTS

LEVEL OF SERVICE DEFINITIONS

LEVEL OF SERVICE DEFINITIONS

"Levels of Service" (LOS) A through F are used to rate roadway and intersection operating conditions, with LOS A indicating very good operations and LOS F indicating poor operations. More complete level of service definitions are:

LOS	Definition
A	Low volumes; primarily free flow operations. Density is low and vehicles can freely maneuver within traffic stream. Drivers can maintain their desired speeds with little or no delay.
B	Stable flow with potential for some restriction of operating speeds due to traffic conditions. Maneuvering is only slightly restricted. Stopped delays are not bothersome and drivers are not subject to appreciable tension.
C	Stable operations, however the ability to maneuver is more restricted by the increase in traffic volumes. Relatively satisfactory operating speeds prevail but adverse signal coordination or longer queues cause delays.
D	Approaching unstable traffic flow where small increases in volume could cause substantial delays. Most drivers are restricted in their ability to maneuver and their selection of travel speeds. Comfort and convenience are low but tolerable.
E	Operations characterized by significant approach delays and average travel speeds of one-half to one-third of free flow speed. Flow is unstable and potential for stoppages of brief duration. High signal density, extensive queuing, or signal progression/timing are the typical causes of delays.
F	Forced flow operations with high approach delays at critical signalized intersections. Speeds are reduced substantially and stoppages may occur for short or long periods of time because of downstream congestion.

Signalized Intersection Level of Service Definitions

LOS	Delay[a]	V/C Ratio	Definition
A	< 10.0	< 0.60	Progression is extremely favorable. Most vehicles arrive during the green phase. Many vehicles do not stop at all.
B	10.1 - 20.0	0.61 - 0.70	Good progression, short cycle lengths, or both. More vehicles stop than with LOS A, causing higher levels of delay.
C	20.1 - 35.0	0.71 - 0.80	Only fair progression, longer cycle lengths, or both, result in higher cycle lengths. Cycle lengths may fail to serve queued vehicles, and overflow occurs. Number of vehicles stopped is significant, though many still pass through intersection without stopping.
D	35.1 - 55.0	0.81 - 0.90	Congestion becomes more noticeable. Unfavorable progression, long cycle lengths and high v/c ratios result in longer delays. Many vehicles stop, and the proportion of vehicles not stopping declines. Individual cycle failures are noticeable.
E	55.1 - 80.0	0.91 - 1.00	High delay values indicate poor progression, long cycle lengths and high v/c ratios. Individual cycle failures are frequent
F	> 80.0	> 1.00	Considered unacceptable for most drivers, this level occurs when arrival flow rates exceed the capacity of lane groups, resulting in many individual cycle failures. Poor progression and long cycle lengths may also contribute to high delay levels.

[a] Average control delay per vehicle in seconds.

Unsignalized Intersection Level of Service Definitions

The HCM[1] uses *control delay* to determine the level of service at unsignalized intersections. Control delay is the difference between the travel time actually experienced at the control device and the travel time that would occur in the absence of the traffic control device. Control delay includes deceleration from free flow speed, queue move-up time, stopped delay and acceleration back to free flow speed.

LOS	Control Delay Seconds per Vehicle
A	< 10.0
B	10.1 - 15.0
C	15.1 - 25.0
D	25.1 - 35.0
E	35.1 - 50.0
F	> 50.0

[1] Highway Capacity Manual, National Research Board, 2000

CITY OF CALABASAS LOCAL TRANSPORTATION STUDY CHECKLIST/SCOPE OF WORK

CITY of CALABASAS

LOCAL TRANSPORTATION STUDY CHECKLIST

This checklist will be used to screen land development projects to determine if they may be presumed to have no significant CEQA transportation impacts, if they need to have a formal VMT traffic study, and if they need to have a Local Transportation Operational Assessment. The process will include the following steps as outlined below.

Date of Review: January 19, 2023
Project Name: KIA Car Dealership – 24460 Calabasas Road
Project Description: 47,944 SF Car Dealer
Reviewed By: Tom Mericle, TKM Engineering for City of Calabasas

Summary:

- **Needs TIA** NO
- **Needs LTA** YES

Comments:
From both an employee trip and customer trip perspective the project will have a less than significant CEQA transportation impact on regional VMT. However, the new local peak hour trips generated by the project may have a local transportation operations or safety impact and a local transportation analysis will need to be prepared to determine if and what level of operation or safety impact may occur.

Transportation Environmental Impact Analysis for CEQA Compliance (TIA)

Step 1: Check Project Type: **Meet: YES**

Certain project types can be presumed to improve, have no impact to, or have a less than significant impact. The following type generally improve regional VMT or have no impact:

- Maintenance of existing facilities
- Installation of safety devices
- Installation of traffic control devices
- Installation of bicycle or pedestrian facilities
- Reducing the number or width of existing vehicle lanes
- Modifications to on-street parking
- Adding alternative fuel charging infrastructure

Local serving retail projects generally improve the convenience of shopping close to home and has the effect of reducing regional vehicle travel. This could be applied to individual businesses in a community-based shopping center. Similarly, adding local neighborhood serving parks and schools can reduce vehicle travel from facilities located further away. The following types of uses could be presumed to have a less than significant impact as their uses are local serving in nature:

- Local-serving retail establishments (less than 50,000 sf each)
- Local-serving K-12 schools
- Local parks
- Day care centers
- Local-serving gas stations
- Local-serving banks
- Local-serving medical offices
- Local-serving community assembly uses (community organizations, places of worship, etc.)
- Local-serving restaurants
- Local-serving hotels (e.g. non-destination hotels)
- Student housing projects
- Local serving community colleges that are consistent with the assumptions in the Regional Transportation Plan and Sustainable Community Strategy
- Projects generating less than 110 daily vehicle trips. The City would estimate trip generation for a project that may fall in this area and compare it to the 110 daily trip limit criteria. This generally corresponds to the following "typical" development:
    - 11 single family housing units
    - 16 multi-family, condominiums, or townhouse housing units
    - 10,000 sq. ft. of office
    - 15,000 sq. ft. of light industrial
    - 63,000 sq. ft. of warehousing
    - 79,000 sq. ft. of high cube transload and short-term storage warehouse
- Other locally serving land uses as determined by the Community Development Director

Project land use: _Car Dealership__ Project size: _47,944 sf__

Comments: If reviewed from a customer perspective, a new KIA car dealership would reduce local Calabasas, Agoura Hills, and west SF Valley residents from going to either the existing Simi Valley or Van Nuys Kia dealership.

Step 2: Check for Low VMT Area **Meet: YES**

Residential and office land use type projects located within a low VMT-generating area may be presumed to have a less than significant impact since the travel patterns will be similar to existing for the same uses. In addition, other employment-related and mixed-use land use projects may be screened if the project can reasonably be expected to generate VMT per resident, per worker, or per service population that is similar to the existing land uses in the low VMT area. Low VMT-generating areas are mapped using the SCAG regional traffic model.

The reviewer needs to identify that the project is consistent with the existing land uses within the traffic analysis zone and use professional judgement that there is nothing unique about the project that would otherwise be misrepresented utilizing the data from the travel demand model.

Comments: The project is in a low employee VMT area. If the project is considered as a home-based work trip rather than a customer commercial trip it is in a low work based trip VMT area and would have a less than significant VMT impact.

Step 3: Check for Transit Priority Area (TPA) Screening **Meet: NO**

Projects located within a TPA may be presumed to have a less than significant impact. Transit priority areas are defined as ½ mile from an existing High-Quality Transit Corridor (15 min headway or better during peak periods) stop or ½ mile around an existing major transit stop such as a Metrolink station or regional bus service stop. Unfortunately, the City does not currently have transit services that would qualify as high-quality transit.

Full VMT Analysis **Required: NO**

Projects not screened through the steps will need to complete a VMT analysis and forecasting through the SCAG regional traffic model to determine the projected VMT from the development project. The VMT would then be compared to the following City's adopted threshold to determine if there is a significant impact or less than significant impact for CEQA compliance:

1. A significant transportation impact would occur for land use projects under one of the following conditions:
    a. For residential land use projects if the project generated home-based VMT exceeds 15% below the citywide baseline VMT per capita.
    b. For commercial or industrial land use projects if the project generated home-based work VMT exceeds 15% below the citywide baseline average VMT per employee.
    c. For regional retail land use projects if the project generates a net increase in total VMT in comparison to the citywide baseline VMT.
    d. For land use plans if the plan generates a net increase in total VMT in comparison to the citywide baseline average VMT per service population.

2. For mixed use projects each land use component will be evaluated separately using the criteria above.
3. For other types of land use projects City staff will determine the appropriate VMT metric depending on the project characteristics. A significant impact would occur if the project exceeds 15% below citywide baseline VMT or if the project results in a net increase in Total VMT
4. A significant transportation impact would occur for transportation projects if the project results in a net increase in total VMT in the City compared to baseline conditions.

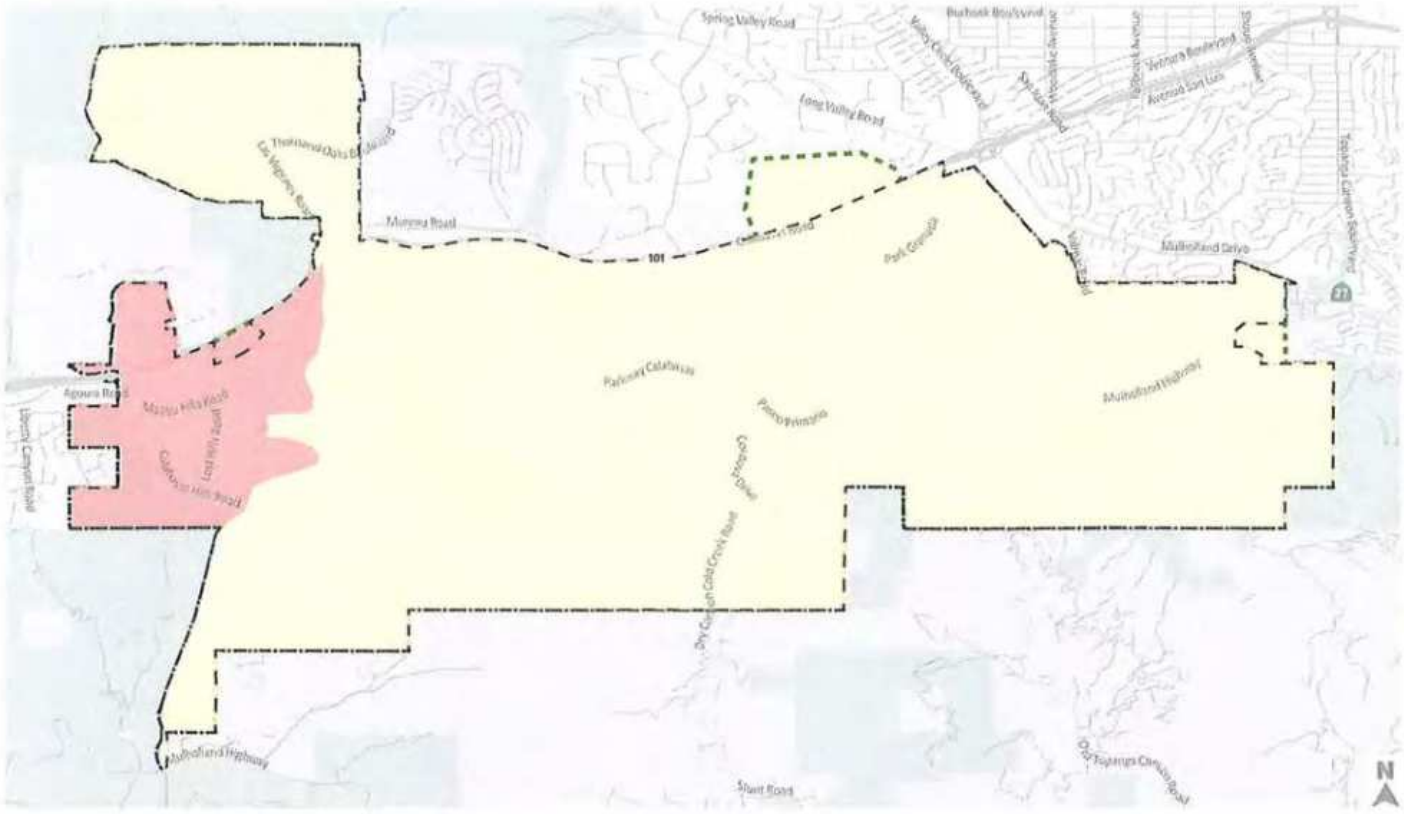
Projects that have to prepare a full VMT analysis may need to also comply with Caltrans requirements for VMT impact evaluation depending on proximity to a Caltrans facility.

Local Transportation Operational Assessment (LTA)

Check Estimated Project Trip Generation: **Meet: YES**

Projects that generate less than 110 daily vehicle trips typically do not have to prepare a formal LTA that determines levels of service or other roadway operational impacts. However, they project will still need to be reviewed through the development review process for site circulation, safety, and bicyclist/pedestrian safety access. Projects that are estimated to generate 110 daily trips or more will have to prepare a formal LTA.

Project is projected to generate 1,335 daily trips and will be required to prepare a local transportation operational assessment.



Home-Based Work VMT per Employee Comparison

- 0 to 15% Below City Average
- Higher than City Average

City Boundary

City Sphere of Influence

Low VMT Screening: Office (2021)

Darryl Nelson

From: Tom Mericle <tmericle@cityofcalabasas.com>
Sent: Friday, July 14, 2023 10:03 AM
To: Darryl Nelson
Cc: Tom Mericle
Subject: Re: City of Carpinteria
Attachments: Calabasas_Traffic_Study_Guidelines_FINAL_July 2021.pdf; Traffic Study Screening Checklist_KIA.pdf; Traffic Count Data.pdf; Cumulative Project List.pdf

Darryl,

This is my Calabasas email account.

Attached are the City's traffic study preparation guidelines and the VMT screening checklist. I already screened it out of VMT via the attached checklist. Therefore, you only have to do the Local Transportation Assessment (LTA). All of the criteria are in the guidelines.

The intersections to look at will be:

- Calabasas Road and Mureau Road
- Calabasas Road and Ventura Freeway Southbound on and off ramps
- Calabasas Road and Parkway Calabasas

I have the counts already from a medical office building near the site that was taken in February 2023. You can use the City as reference for the data. Another consultant collected this but is part of the public record since they submitted their study for review. It has not yet been approved.

Also attached is the cumulative project list from that study.

Let me know if you have any other questions.

Thank you,
Tom

Thomas Mericle, PE, TE
City of Calabasas
Contract Traffic Engineering Services
(805) 701-2977

TRAFFIC COUNTS

CITY TRAFFIC COUNTERS
WWW.CTCOUNTERS.COM

File Name : MureauRd_CalabasasRd
Site Code : 00000000
Start Date : 2/1/2023
Page No : 1

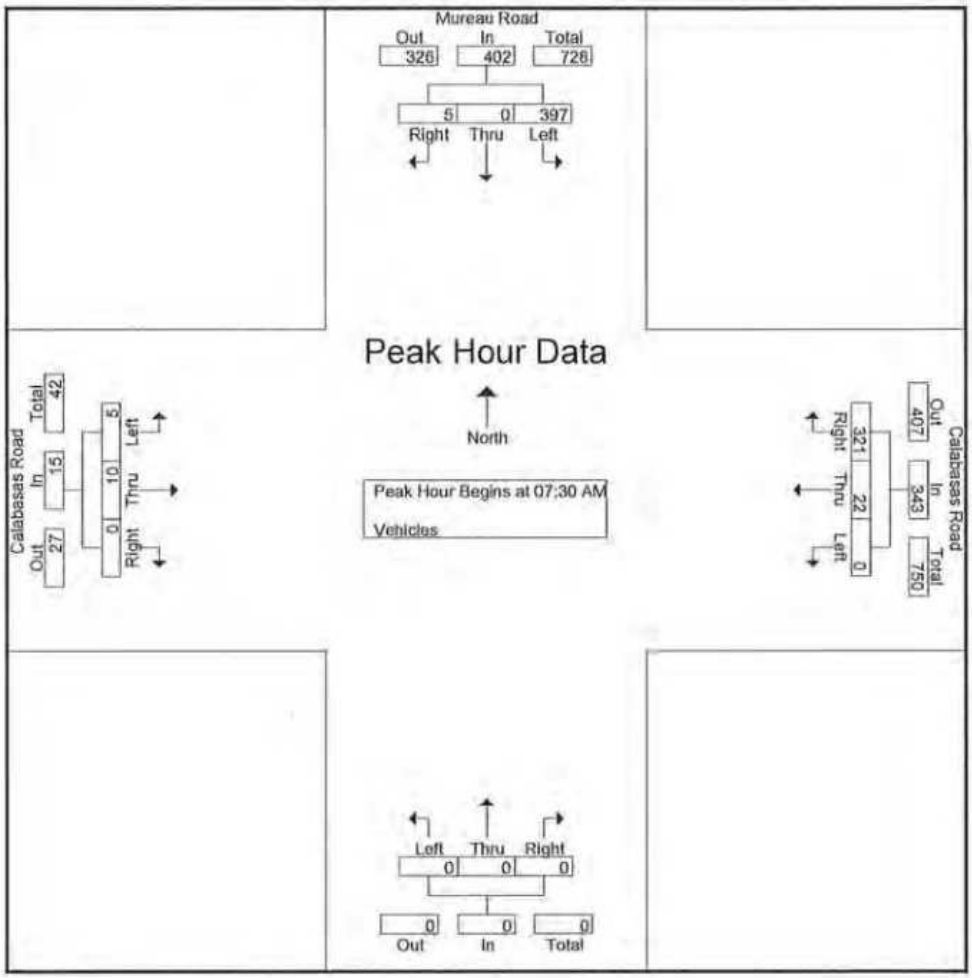
Groups Printed- Vehicles

	Mureau Road Southbound			Calabasas Road Westbound			Northbound			Calabasas Road Eastbound			
Start Time	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Int. Total
06:00 AM	17	0	0	0	6	8	0	0	0	0	7	0	38
06:15 AM	14	0	1	0	1	5	0	0	0	1	6	0	28
06:30 AM	22	0	0	0	2	10	0	0	0	1	3	0	38
06:45 AM	31	0	0	0	10	33	0	0	0	0	1	0	75
Total	84	0	1	0	19	56	0	0	0	2	17	0	179
07:00 AM	25	0	1	0	3	25	0	0	0	3	0	0	57
07:15 AM	36	0	1	0	0	43	0	0	0	0	1	0	81
07:30 AM	80	0	1	0	0	89	0	0	0	3	1	0	174
07:45 AM	133	0	0	0	5	111	0	0	0	1	2	0	252
Total	274	0	3	0	8	268	0	0	0	7	4	0	564
08:00 AM	130	0	2	0	6	64	0	0	0	0	6	0	208
08:15 AM	54	0	2	0	11	57	0	0	0	1	1	0	126
08:30 AM	53	0	0	0	7	58	0	0	0	1	3	0	122
08:45 AM	75	0	0	0	13	65	0	0	0	0	5	0	158
Total	312	0	4	0	37	244	0	0	0	2	15	0	614
04:00 PM	157	0	0	0	10	79	0	0	0	0	5	0	251
04:15 PM	137	0	2	0	5	70	0	0	0	3	15	0	232
04:30 PM	146	0	0	0	10	71	0	0	0	1	9	0	237
04:45 PM	110	0	0	0	1	64	0	0	0	2	2	0	179
Total	550	0	2	0	26	284	0	0	0	6	31	0	899
05:00 PM	130	0	0	0	2	62	0	0	0	0	6	0	200
05:15 PM	90	0	0	0	1	60	0	0	0	1	5	0	157
05:30 PM	107	0	0	0	0	61	0	0	0	1	4	0	173
05:45 PM	112	0	0	0	2	72	0	0	0	1	2	0	189
Total	439	0	0	0	5	255	0	0	0	3	17	0	719
Grand Total	1659	0	10	0	95	1107	0	0	0	20	84	0	2975
Apprch %	99.4	0	0.6	0	7.9	92.1	0	0	0	19.2	80.8	0	
Total %	55.8	0	0.3	0	3.2	37.2	0	0	0	0.7	2.8	0	

CITY TRAFFIC COUNTERS
WWW.CTCOUNTERS.COM

File Name : MureauRd_CalabasasRd
Site Code : 00000000
Start Date : 2/1/2023
Page No : 2

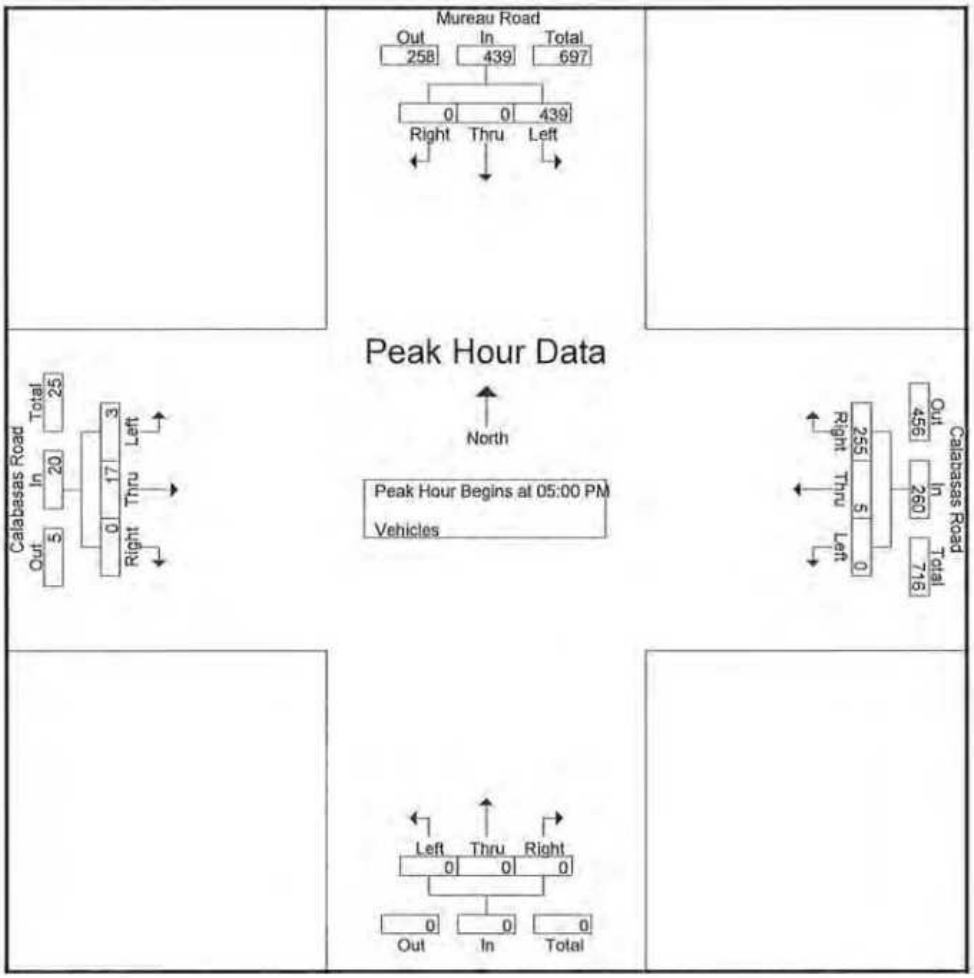
	Mureau Road Southbound				Calabasas Road Westbound				Northbound				Calabasas Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	80	0	1	81	0	0	89	89	0	0	0	0	3	1	0	4	174
07:45 AM	133	0	0	133	0	5	111	116	0	0	0	0	1	2	0	3	252
08:00 AM	130	0	2	132	0	6	64	70	0	0	0	0	0	6	0	6	208
08:15 AM	54	0	2	56	0	11	57	68	0	0	0	0	1	1	0	2	126
Total Volume	397	0	5	402	0	22	321	343	0	0	0	0	5	10	0	15	760
% App. Total	98.8	0	1.2		0	6.4	93.6		0	0	0		33.3	66.7	0		
PHF	.746	.000	.625	.756	.000	.500	.723	.739	.000	.000	.000	.000	.417	.417	.000	.625	.754



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Site Code : 00000000
Start Date : 2/1/2023
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	Mureau Road Southbound				Calabasas Road Westbound				Northbound				Calabasas Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:45 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	130	0	0	130	0	2	62	64	0	0	0	0	0	6	0	6	200
05:15 PM	90	0	0	90	0	1	60	61	0	0	0	0	1	5	0	6	157
05:30 PM	107	0	0	107	0	0	61	61	0	0	0	0	1	4	0	5	173
05:45 PM	112	0	0	112	0	2	72	74	0	0	0	0	1	2	0	3	189
Total Volume	439	0	0	439	0	5	255	260	0	0	0	0	3	17	0	20	719
% App. Total	100	0	0		0	1.9	98.1		0	0	0		15	85	0		
PHF	.844	.000	.000	.844	.000	.625	.885	.878	.000	.000	.000	.000	.750	.708	.000	.833	.899



CITY TRAFFIC COUNTERS
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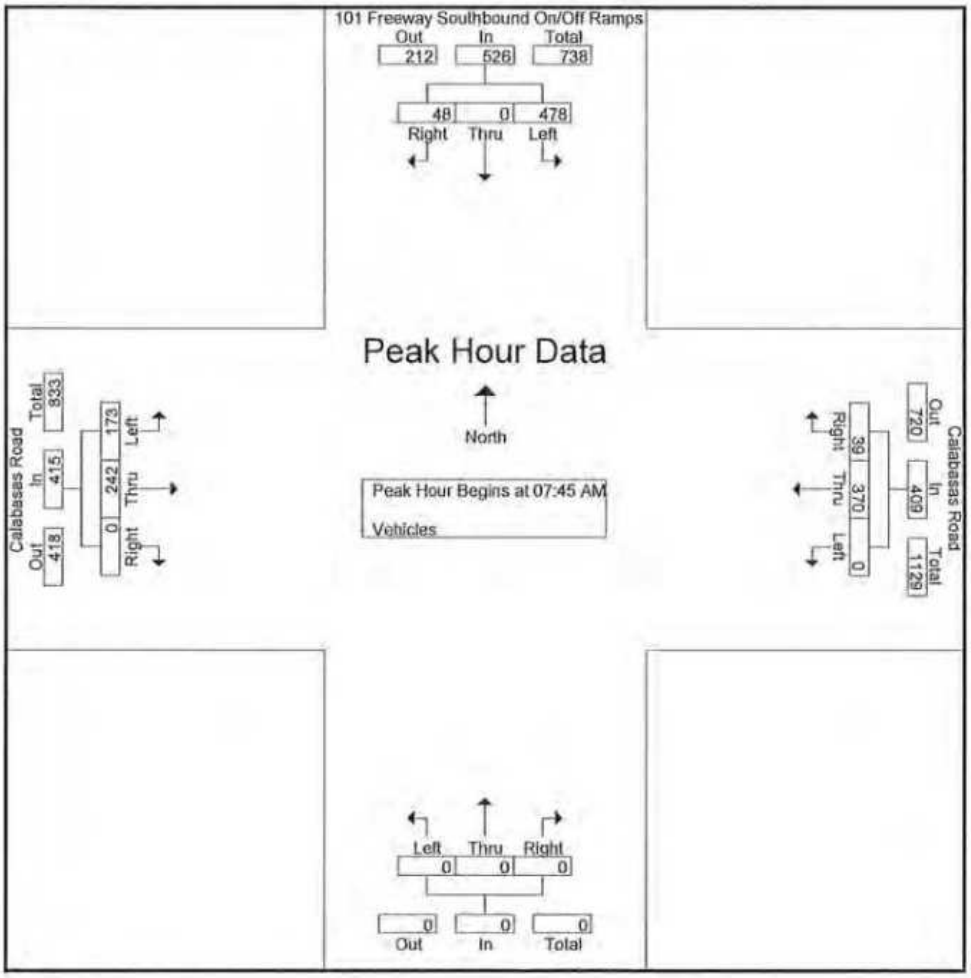
Groups Printed- Vehicles

	101 Freeway Southbound On/Off Ramps Southbound			Calabasas Road Westbound			Northbound			Calabasas Road Eastbound			
Start Time	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Int. Total
06:00 AM	19	0	2	0	19	6	0	0	0	12	5	0	63
06:15 AM	15	0	0	0	16	5	0	0	0	14	5	0	55
06:30 AM	23	0	1	0	17	5	0	0	0	19	2	0	67
06:45 AM	45	0	5	0	45	12	0	0	0	20	13	0	140
Total	102	0	8	0	97	28	0	0	0	65	25	0	325
07:00 AM	46	0	7	0	31	10	0	0	0	20	11	0	125
07:15 AM	80	0	11	0	49	4	0	0	0	18	13	0	175
07:30 AM	78	0	16	0	90	2	0	0	0	31	36	0	253
07:45 AM	123	0	14	0	127	7	0	0	0	43	78	0	392
Total	327	0	48	0	297	23	0	0	0	112	138	0	945
08:00 AM	121	0	12	0	90	9	0	0	0	71	96	0	399
08:15 AM	118	0	11	0	83	8	0	0	0	33	34	0	287
08:30 AM	116	0	11	0	70	15	0	0	0	26	34	0	272
08:45 AM	149	0	15	0	87	7	0	0	0	39	63	0	360
Total	504	0	49	0	330	39	0	0	0	169	227	0	1318
04:00 PM	100	0	9	0	88	40	0	0	0	88	86	0	411
04:15 PM	140	0	3	0	70	29	0	0	0	63	104	0	409
04:30 PM	157	0	5	0	82	33	0	0	0	64	86	0	427
04:45 PM	153	0	4	0	63	47	0	0	0	56	83	0	406
Total	550	0	21	0	303	149	0	0	0	271	359	0	1653
05:00 PM	122	0	6	0	54	61	0	0	0	64	80	0	387
05:15 PM	129	0	3	0	73	45	0	0	0	46	80	0	376
05:30 PM	133	0	3	0	57	43	0	0	0	35	93	0	364
05:45 PM	131	0	2	0	85	32	0	0	0	50	87	0	387
Total	515	0	14	0	269	181	0	0	0	195	340	0	1514
Grand Total	1998	0	140	0	1296	420	0	0	0	812	1089	0	5755
Apprch %	93.5	0	6.5	0	75.5	24.5	0	0	0	42.7	57.3	0	
Total %	34.7	0	2.4	0	22.5	7.3	0	0	0	14.1	18.9	0	

CITY TRAFFIC COUNTERS
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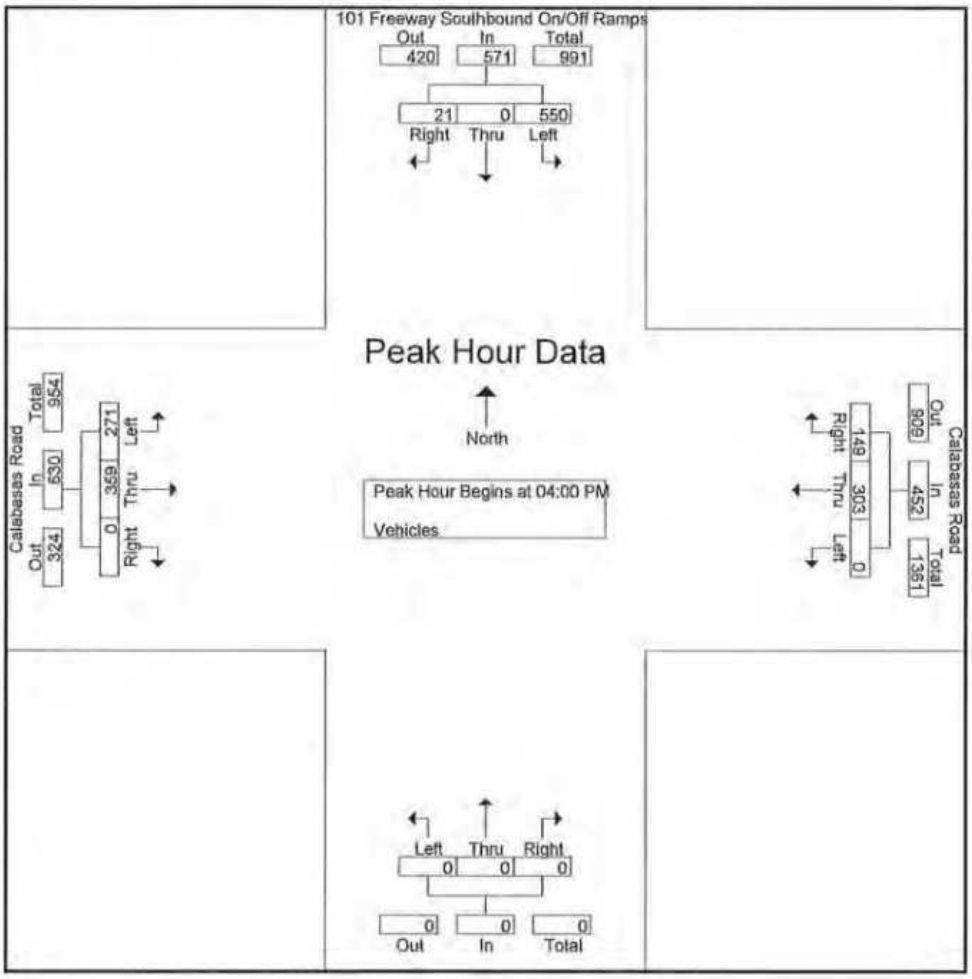
	101 Freeway Southbound On/Off Ramps Southbound				Calabasas Road Westbound				Northbound				Calabasas Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:45 AM																	
07:45 AM	**123**	0	**14**	**137**	0	**127**	7	**134**	0	0	0	0	43	78	0	121	392
08:00 AM	121	0	12	133	0	90	9	99	0	0	0	0	**71**	**96**	0	**167**	**399**
08:15 AM	118	0	11	129	0	83	8	91	0	0	0	0	33	34	0	67	287
08:30 AM	116	0	11	127	0	70	**15**	85	0	0	0	0	26	34	0	60	272
Total Volume	478	0	48	526	0	370	39	409	0	0	0	0	173	242	0	415	1350
% App. Total	90.9	0	9.1		0	90.5	9.5		0	0	0		41.7	58.3	0		
PHF	.972	.000	.857	.960	.000	.728	.650	.763	.000	.000	.000	.000	.609	.630	.000	.621	.846



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	101 Freeway Southbound On/Off Ramps Southbound				Calabasas Road Westbound				Northbound				Calabasas Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	100	0	9	109	0	88	40	128	0	0	0	0	88	86	0	174	411
04:15 PM	140	0	3	143	0	70	29	99	0	0	0	0	63	104	0	167	409
04:30 PM	157	0	5	162	0	82	33	115	0	0	0	0	64	86	0	150	427
04:45 PM	153	0	4	157	0	63	47	110	0	0	0	0	56	83	0	139	406
Total Volume	550	0	21	571	0	303	149	452	0	0	0	0	271	359	0	630	1653
% App. Total	96.3	0	3.7		0	67	33		0	0	0		43	57	0		
PHF	.876	.000	.583	.881	.000	.861	.793	.883	.000	.000	.000	.000	.770	.863	.000	.905	.968



CITY TRAFFIC COUNTERS
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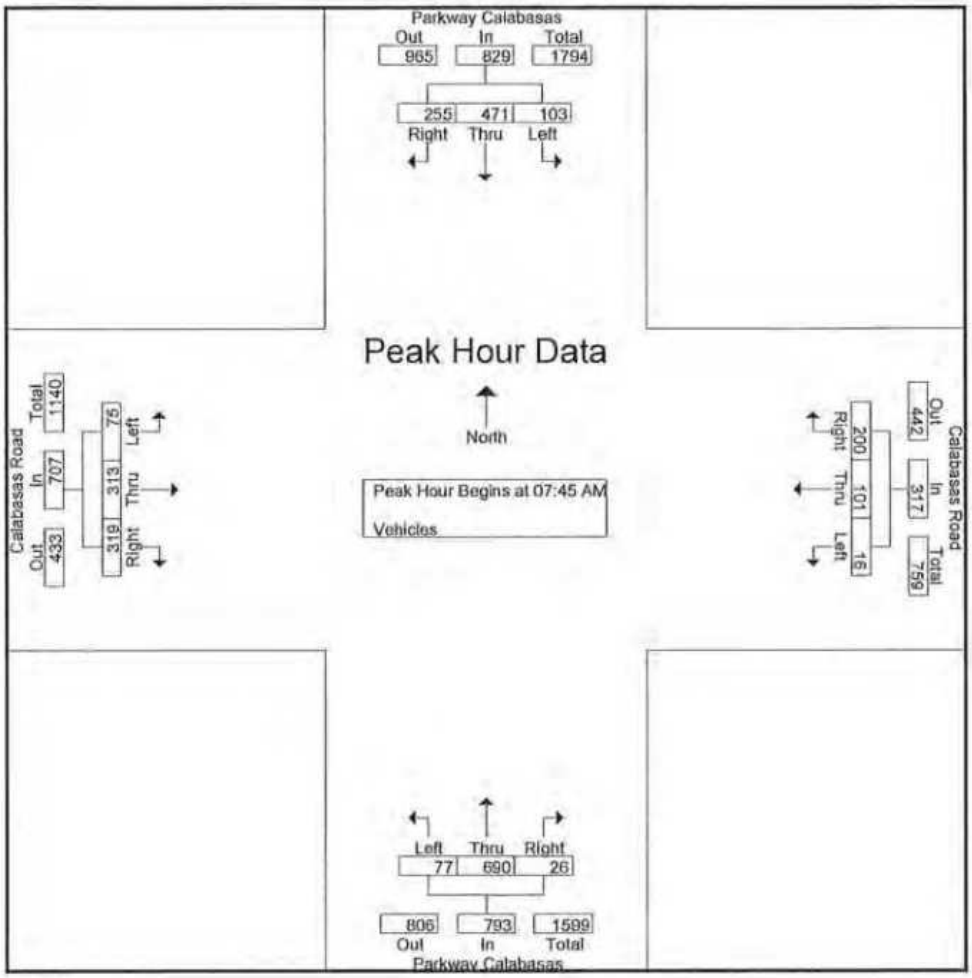
Groups Printed- Vehicles

	Parkway Calabasas Southbound			Calabasas Road Westbound			Parkway Calabasas Northbound			Calabasas Road Eastbound			
Start Time	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Int. Total
06:00 AM	4	17	15	1	2	8	1	38	0	5	7	8	106
06:15 AM	6	21	24	1	8	10	0	36	3	3	12	10	134
06:30 AM	12	40	19	4	5	6	1	49	1	7	10	12	166
06:45 AM	13	60	43	3	5	12	2	44	2	5	29	25	243
Total	35	138	101	9	20	36	4	167	6	20	58	55	649
07:00 AM	11	69	46	2	12	17	1	70	0	10	26	24	288
07:15 AM	26	89	39	2	14	18	7	88	3	12	19	25	342
07:30 AM	16	97	83	5	28	28	7	115	0	3	53	84	519
07:45 AM	20	128	99	2	20	51	32	157	5	19	68	93	694
Total	73	383	267	11	74	114	47	430	8	44	166	226	1843
08:00 AM	30	120	60	4	24	50	14	196	8	19	109	98	732
08:15 AM	30	118	45	4	32	54	14	182	7	15	74	56	631
08:30 AM	23	105	51	6	25	45	17	155	6	22	62	72	589
08:45 AM	48	139	62	5	28	34	10	110	4	32	89	65	626
Total	131	482	218	19	109	183	55	643	25	88	334	291	2578
04:00 PM	52	77	67	7	27	84	27	142	7	34	124	65	713
04:15 PM	38	91	50	19	31	66	12	151	9	33	133	72	705
04:30 PM	46	87	73	7	31	91	11	136	3	26	129	61	701
04:45 PM	43	78	66	9	29	75	16	145	15	23	100	70	669
Total	179	333	256	42	118	316	66	574	34	116	486	268	2788
05:00 PM	62	81	93	17	33	107	10	147	6	15	112	67	750
05:15 PM	63	94	73	13	26	92	9	139	5	15	111	65	705
05:30 PM	35	80	84	13	13	87	14	130	8	19	112	68	663
05:45 PM	42	83	72	13	35	90	9	119	6	19	95	60	643
Total	202	338	322	56	107	376	42	535	25	68	430	260	2761
Grand Total	620	1674	1164	137	428	1025	214	2349	98	336	1474	1100	10619
Apprch %	17.9	48.4	33.7	8.6	26.9	64.5	8	88.3	3.7	11.5	50.7	37.8	
Total %	5.8	15.8	11	1.3	4	9.7	2	22.1	0.9	3.2	13.9	10.4	

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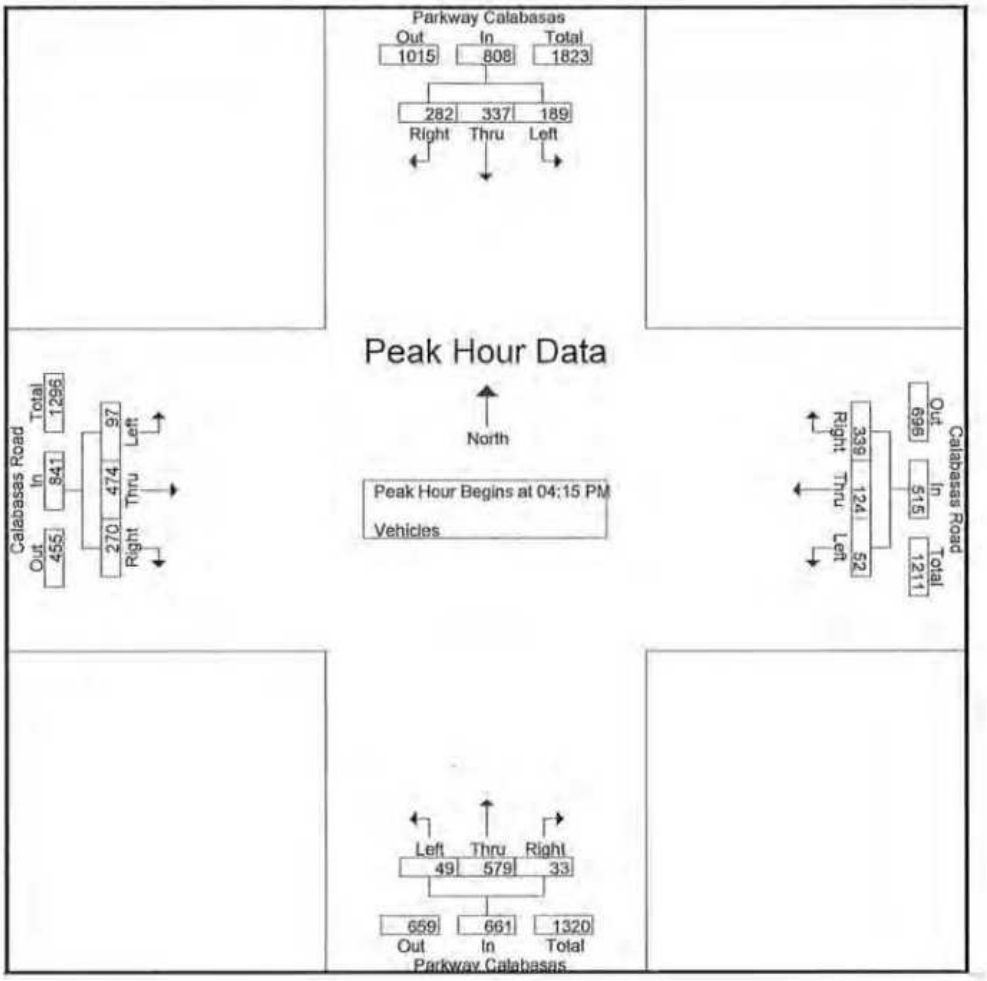
	Parkway Calabasas Southbound				Calabasas Road Westbound				Parkway Calabasas Northbound				Calabasas Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:45 AM																	
07:45 AM	20	128	99	247	2	20	51	73	32	157	5	194	19	68	93	180	694
08:00 AM	30	120	60	210	4	24	50	78	14	196	8	218	19	109	98	226	732
08:15 AM	30	118	45	193	4	32	54	90	14	182	7	203	15	74	56	145	631
08:30 AM	23	105	51	179	6	25	45	76	17	155	6	178	22	62	72	156	589
Total Volume	103	471	255	829	16	101	200	317	77	690	26	793	75	313	319	707	2646
% App. Total	12.4	56.8	30.8		5	31.9	63.1		9.7	87	3.3		10.6	44.3	45.1		
PHF	.858	.920	.644	.839	.667	.789	.926	.881	.602	.880	.813	.909	.852	.718	.814	.782	.904



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	Parkway Calabasas Southbound				Calabasas Road Westbound				Parkway Calabasas Northbound				Calabasas Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:15 PM																	
04:15 PM	38	91	50	179	19	31	66	116	12	151	9	172	33	133	72	238	705
04:30 PM	46	87	73	206	7	31	91	129	11	136	3	150	26	129	61	216	701
04:45 PM	43	78	66	187	9	29	75	113	16	145	15	176	23	100	70	193	669
05:00 PM	62	81	93	236	17	33	107	157	10	147	6	163	15	112	67	194	750
Total Volume	189	337	282	808	52	124	339	515	49	579	33	661	97	474	270	841	2825
% App. Total	23.4	41.7	34.9		10.1	24.1	65.8		7.4	87.6	5		11.5	56.4	32.1		
PHF	.762	.926	.758	.856	.684	.939	.792	.820	.766	.959	.550	.939	.735	.891	.938	.883	.942



INTERSECTION LEVEL OF SERVICE CALCULATIONS

Reference 1 - Calabasas Road/Mureau Road
Reference 2 - U.S. Highway 101 Southbound Ramps/Calabasas Road
Reference 3 - Calabasas Road/Calabasas Parkway

HCS7 Two-Way Stop-Control Report

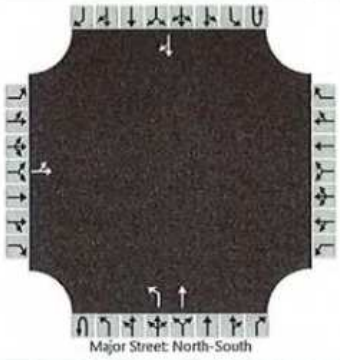
General Information

Analyst	Darryl Nelson
Agency/Co.	ATE
Date Performed	11/1/2023
Analysis Year	2023
Time Analyzed	AM Peak Hour
Intersection Orientation	North-South
Project Description	Kia of Calabasas

Site Information

Intersection	Calabasas Road/Mureau Road
Jurisdiction	City of Calabasas
East/West Street	Calabasas Road
North/South Street	Mureau Road-Calabasas Road
Peak Hour Factor	0.75
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	1	0		0	0	0	0	1	1	0	0	0	1	0
Configuration		LT								L	T					TR
Volume (veh/h)		5	10							22	321				397	5
Percent Heavy Vehicles (%)		3	3							3						
Proportion Time Blocked																
Percent Grade (%)		0														
Right Turn Channelized																
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)		7.1	6.5							4.1						
Critical Headway (sec)		7.13	6.53							4.13						
Base Follow-Up Headway (sec)		3.5	4.0							2.2						
Follow-Up Headway (sec)		3.53	4.03							2.23						

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		20								29						
Capacity, c (veh/h)		222								1027						
v/c Ratio		0.09								0.03						
95% Queue Length, Q_{95} (veh)		0.3								0.1						
Control Delay (s/veh)		22.8								8.6						
Level of Service (LOS)		C								A						
Approach Delay (s/veh)		22.8								0.6						
Approach LOS		C														

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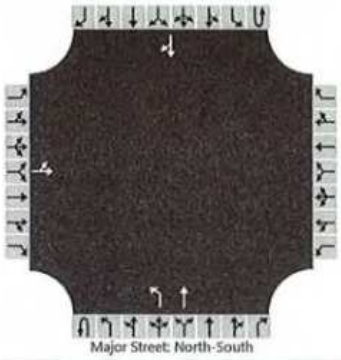
General Information

Analyst	Darryl Nelson
Agency/Co.	ATE
Date Performed	11/1/2023
Analysis Year	2023
Time Analyzed	PM Peak Hour
Intersection Orientation	North-South
Project Description	Kia of Calabasas

Site Information

Intersection	Calabasas Road/Mureau Roa
Jurisdiction	City of Calabasas
East/West Street	Calabasas Road
North/South Street	Mureau Road
Peak Hour Factor	0.75
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	1	0		0	0	0	0	1	1	0	0	0	1	0
Configuration		LT								L	T					TR
Volume (veh/h)		3	17							5	255				439	0
Percent Heavy Vehicles (%)		3	3							3						
Proportion Time Blocked																
Percent Grade (%)		0														
Right Turn Channelized																
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)		7.1	6.5							4.1						
Critical Headway (sec)		7.13	6.53							4.13						
Base Follow-Up Headway (sec)		3.5	4.0							2.2						
Follow-Up Headway (sec)		3.53	4.03							2.23						

Delay, Queue Length, and Level of Service

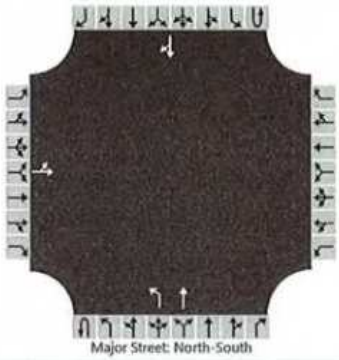
Flow Rate, v (veh/h)		27								7						
Capacity, c (veh/h)		258								984						
v/c Ratio		0.10								0.01						
95% Queue Length, Q_{95} (veh)		0.3								0.0						
Control Delay (s/veh)		20.5								8.7						
Level of Service (LOS)		C								A						
Approach Delay (s/veh)		20.5								0.2						
Approach LOS		C														

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HCS7 Two-Way Stop-Control Report

General Information		Site Information	
Analyst	Darryl Nelson	Intersection	Calabasas Road/Mureau Roa
Agency/Co.	ATE	Jurisdiction	City of Calabasas
Date Performed	11/1/2023	East/West Street	Calabasas Road
Analysis Year	2023 + Project	North/South Street	Mureau Road
Time Analyzed	AM Peak Hour	Peak Hour Factor	0.75
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25
Project Description	Kia of Calabasas		

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	1	0		0	0	0	0	1	1	0	0	0	1	0
Configuration		LT								L	T					TR
Volume (veh/h)		5	10							22	323				403	5
Percent Heavy Vehicles (%)		3	3							3						
Proportion Time Blocked																
Percent Grade (%)		0														
Right Turn Channelized																
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)		7.1	6.5							4.1						
Critical Headway (sec)		7.13	6.53							4.13						
Base Follow-Up Headway (sec)		3.5	4.0							2.2						
Follow-Up Headway (sec)		3.53	4.03							2.23						

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		20								29						
Capacity, c (veh/h)		219								1020						
v/c Ratio		0.09								0.03						
95% Queue Length, Q_{95} (veh)		0.3								0.1						
Control Delay (s/veh)		23.1								8.6						
Level of Service (LOS)		C								A						
Approach Delay (s/veh)	23.1								0.6							
Approach LOS	C															

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HCS7 Two-Way Stop-Control Report

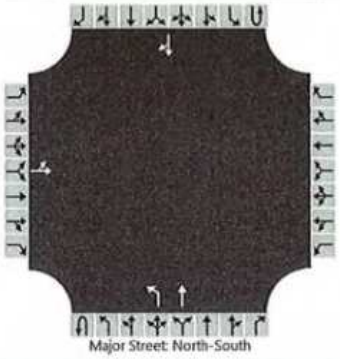
General Information

Analyst	Darryl Nelson
Agency/Co.	ATE
Date Performed	11/1/2023
Analysis Year	2023 +Project
Time Analyzed	PM Peak Hour
Intersection Orientation	North-South
Project Description	Kia of Calabasas

Site Information

Intersection	Calabasas Road/Mureau Roa
Jurisdiction	City of Calabasas
East/West Street	Calabasas Road
North/South Street	Mureau Road
Peak Hour Factor	0.75
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	1	0		0	0	0	0	1	1	0	0	0	1	0
Configuration		LT								L	T					TR
Volume (veh/h)		3	17							5	262				444	0
Percent Heavy Vehicles (%)		3	3							3						
Proportion Time Blocked																
Percent Grade (%)		0														
Right Turn Channelized																
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)		7.1	6.5							4.1						
Critical Headway (sec)		7.13	6.53							4.13						
Base Follow-Up Headway (sec)		3.5	4.0							2.2						
Follow-Up Headway (sec)		3.53	4.03							2.23						

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		27								7						
Capacity, c (veh/h)		253								979						
v/c Ratio		0.11								0.01						
95% Queue Length, Q_{95} (veh)		0.3								0.0						
Control Delay (s/veh)		20.9								8.7						
Level of Service (LOS)		C								A						
Approach Delay (s/veh)		20.9								0.2						
Approach LOS		C														

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Intersection	
Intersection Delay, s/veh	3.8
Intersection LOS	A

Approach	EB	WB	SB
Entry Lanes	1	1	1
Conflicting Circle Lanes	1	1	1
Adj Approach Flow, veh/h	20	460	544
Demand Flow Rate, veh/h	20	470	555
Vehicles Circulating, veh/h	548	7	30
Vehicles Exiting, veh/h	37	561	7
Ped Vol Crossing Leg, #/h	0	0	0
Ped Cap Adj	1.000	1.000	1.000
Approach Delay, s/veh	4.9	0.2	6.7
Approach LOS	A	A	A

Lane	Left	Left	Bypass	Left
Designated Moves	LT	T	R	LR
Assumed Moves	LT	T	R	LR
RT Channelized			Free	
Lane Util	1.000	1.000		1.000
Follow-Up Headway, s	2.609	2.609		2.609
Critical Headway, s	4.976	4.976	440	4.976
Entry Flow, veh/h	20	30	1938	555
Cap Entry Lane, veh/h	789	1370	0.980	1338
Entry HV Adj Factor	0.987	0.980	431	0.980
Flow Entry, veh/h	20	29	1900	544
Cap Entry, veh/h	779	1343	0.227	1312
V/C Ratio	0.025	0.022	0.0	0.415
Control Delay, s/veh	4.9	2.8	A	6.7
LOS	A	A	1	A
95th %tile Queue, veh	0	0		2

Intersection	
Intersection Delay, s/veh	3.9
Intersection LOS	A

Approach	EB	WB	SB
Entry Lanes	1	1	1
Conflicting Circle Lanes	1	1	1
Adj Approach Flow, veh/h	22	300	499
Demand Flow Rate, veh/h	22	306	509
Vehicles Circulating, veh/h	509	3	6
Vehicles Exiting, veh/h	6	528	3
Ped Vol Crossing Leg, #/h	0	0	0
Ped Cap Adj	1.000	1.000	1.000
Approach Delay, s/veh	4.7	0.1	6.1
Approach LOS	A	A	A

Lane	Left	Left	Bypass	Left
Designated Moves	LT	T	R	LR
Assumed Moves	LT	T	R	LR
RT Channelized			Free	
Lane Util	1.000	1.000		1.000
Follow-Up Headway, s	2.609	2.609		2.609
Critical Headway, s	4.976	4.976	300	4.976
Entry Flow, veh/h	22	6	1938	509
Cap Entry Lane, veh/h	821	1376	0.980	1371
Entry HV Adj Factor	0.983	0.980	294	0.980
Flow Entry, veh/h	22	6	1900	499
Cap Entry, veh/h	807	1349	0.155	1344
V/C Ratio	0.027	0.004	0.0	0.371
Control Delay, s/veh	4.7	2.7	A	6.1
LOS	A	A	1	A
95th %tile Queue, veh	0	0		2

Intersection	
Intersection Delay, s/veh	7.4
Intersection LOS	A

Approach	EB	WB	SB
Entry Lanes	1	1	1
Conflicting Circle Lanes	1	1	1
Adj Approach Flow, veh/h	44	564	595
Demand Flow Rate, veh/h	45	575	606
Vehicles Circulating, veh/h	582	12	98
Vehicles Exiting, veh/h	122	615	489
Ped Vol Crossing Leg, #/h	0	0	0
Ped Cap Adj	1.000	1.000	1.000
Approach Delay, s/veh	5.4	6.8	8.1
Approach LOS	A	A	A

Lane	Left	Left	Left
Designated Moves	LT	TR	LR
Assumed Moves	LT	TR	LR
RT Channelized			
Lane Util	1.000	1.000	1.000
Follow-Up Headway, s	2.609	2.609	2.609
Critical Headway, s	4.976	4.976	4.976
Entry Flow, veh/h	45	575	606
Cap Entry Lane, veh/h	762	1363	1249
Entry HV Adj Factor	0.986	0.981	0.982
Flow Entry, veh/h	44	564	595
Cap Entry, veh/h	751	1337	1226
V/C Ratio	0.059	0.422	0.485
Control Delay, s/veh	5.4	6.8	8.1
LOS	A	A	A
95th %tile Queue, veh	0	2	3

Intersection	
Intersection Delay, s/veh	6.1
Intersection LOS	A

Approach	EB	WB	SB
Entry Lanes	1	1	1
Conflicting Circle Lanes	1	1	1
Adj Approach Flow, veh/h	102	369	547
Demand Flow Rate, veh/h	104	377	558
Vehicles Circulating, veh/h	551	20	35
Vehicles Exiting, veh/h	42	635	362
Ped Vol Crossing Leg, #/h	0	0	0
Ped Cap Adj	1.000	1.000	1.000
Approach Delay, s/veh	6.0	5.2	6.8
Approach LOS	A	A	A

Lane	Left	Left	Left
Designated Moves	LT	TR	LR
Assumed Moves	LT	TR	LR
RT Channelized			
Lane Util	1.000	1.000	1.000
Follow-Up Headway, s	2.609	2.609	2.609
Critical Headway, s	4.976	4.976	4.976
Entry Flow, veh/h	104	377	558
Cap Entry Lane, veh/h	787	1352	1331
Entry HV Adj Factor	0.984	0.980	0.980
Flow Entry, veh/h	102	369	547
Cap Entry, veh/h	774	1324	1305
V/C Ratio	0.132	0.279	0.419
Control Delay, s/veh	6.0	5.2	6.8
LOS	A	A	A
95th %tile Queue, veh	0	1	2

Intersection	
Intersection Delay, s/veh	7.4
Intersection LOS	A

Approach	EB	WB	SB
Entry Lanes	1	1	1
Conflicting Circle Lanes	1	1	1
Adj Approach Flow, veh/h	44	567	603
Demand Flow Rate, veh/h	45	578	615
Vehicles Circulating, veh/h	591	12	98
Vehicles Exiting, veh/h	122	624	492
Ped Vol Crossing Leg, #/h	0	0	0
Ped Cap Adj	1.000	1.000	1.000
Approach Delay, s/veh	5.4	6.8	8.2
Approach LOS	A	A	A

Lane	Left	Left	Left
Designated Moves	LT	TR	LR
Assumed Moves	LT	TR	LR
RT Channelized			
Lane Util	1.000	1.000	1.000
Follow-Up Headway, s	2.609	2.609	2.609
Critical Headway, s	4.976	4.976	4.976
Entry Flow, veh/h	45	578	615
Cap Entry Lane, veh/h	755	1363	1249
Entry HV Adj Factor	0.986	0.981	0.980
Flow Entry, veh/h	44	567	603
Cap Entry, veh/h	744	1337	1224
V/C Ratio	0.060	0.424	0.493
Control Delay, s/veh	5.4	6.8	8.2
LOS	A	A	A
95th %tile Queue, veh	0	2	3

Intersection	
Intersection Delay, s/veh	6.2
Intersection LOS	A

Approach	EB	WB	SB
Entry Lanes	1	1	1
Conflicting Circle Lanes	1	1	1
Adj Approach Flow, veh/h	102	377	553
Demand Flow Rate, veh/h	104	385	564
Vehicles Circulating, veh/h	557	20	35
Vehicles Exiting, veh/h	42	641	370
Ped Vol Crossing Leg, #/h	0	0	0
Ped Cap Adj	1.000	1.000	1.000
Approach Delay, s/veh	6.1	5.2	6.9
Approach LOS	A	A	A

Lane	Left	Left	Left
Designated Moves	LT	TR	LR
Assumed Moves	LT	TR	LR
RT Channelized			
Lane Util	1.000	1.000	1.000
Follow-Up Headway, s	2.609	2.609	2.609
Critical Headway, s	4.976	4.976	4.976
Entry Flow, veh/h	104	385	564
Cap Entry Lane, veh/h	782	1352	1331
Entry HV Adj Factor	0.984	0.980	0.980
Flow Entry, veh/h	102	377	553
Cap Entry, veh/h	769	1325	1305
V/C Ratio	0.133	0.285	0.424
Control Delay, s/veh	6.1	5.2	6.9
LOS	A	A	A
95th %tile Queue, veh	0	1	2



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	173	242	370	39	478	48
Future Volume (veh/h)	173	242	370	39	478	48
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	204	285	435	0	562	0
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	318	866	866		1510	
Arrive On Green	0.46	0.46	0.15	0.00	0.44	0.00
Sat Flow, veh/h	954	1870	1870	1585	3456	1585
Grp Volume(v), veh/h	204	285	435	0	562	0
Grp Sat Flow(s),veh/h/ln	954	1870	1870	1585	1728	1585
Q Serve(g_s), s	18.4	8.7	19.2	0.0	9.8	0.0
Cycle Q Clear(g_c), s	37.6	8.7	19.2	0.0	9.8	0.0
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	318	866	866		1510	
V/C Ratio(X)	0.64	0.33	0.50		0.37	
Avail Cap(c_a), veh/h	412	1049	1049		1510	
HCM Platoon Ratio	1.00	1.00	0.33	0.33	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.94	0.00	1.00	0.00
Uniform Delay (d), s/veh	32.2	15.3	28.6	0.0	17.0	0.0
Incr Delay (d2), s/veh	2.2	0.2	0.4	0.0	0.7	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.3	3.6	9.6	0.0	3.9	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	34.4	15.5	29.0	0.0	17.7	0.0
LnGrp LOS	C	B	C		B	
Approach Vol, veh/h		489	435		562	
Approach Delay, s/veh		23.4	29.0		17.7	
Approach LOS		C	C		B	

Timer - Assigned Phs		4		6	8
Phs Duration (G+Y+Rc), s		46.2		43.8	46.2
Change Period (Y+Rc), s		4.5		4.5	4.5
Max Green Setting (Gmax), s		50.5		30.5	50.5
Max Q Clear Time (g_c+I1), s		39.6		11.8	21.2
Green Ext Time (p_c), s		2.1		2.0	2.9

Intersection Summary	
HCM 6th Ctrl Delay	22.9
HCM 6th LOS	C

Notes

Unsignalized Delay for [WBR, SBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	271	359	303	149	550	21
Future Volume (veh/h)	271	359	303	149	550	21
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	282	374	316	0	573	0
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	406	857	857		1526	
Arrive On Green	0.46	0.46	0.15	0.00	0.44	0.00
Sat Flow, veh/h	1064	1870	1870	1585	3456	1585
Grp Volume(v), veh/h	282	374	316	0	573	0
Grp Sat Flow(s),veh/h/ln	1064	1870	1870	1585	1728	1585
Q Serve(g_s), s	22.5	12.2	13.7	0.0	10.0	0.0
Cycle Q Clear(g_c), s	36.2	12.2	13.7	0.0	10.0	0.0
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	406	857	857		1526	
V/C Ratio(X)	0.69	0.44	0.37		0.38	
Avail Cap(c_a), veh/h	527	1070	1070		1526	
HCM Platoon Ratio	1.00	1.00	0.33	0.33	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.93	0.00	1.00	0.00
Uniform Delay (d), s/veh	29.5	16.5	26.5	0.0	16.8	0.0
Incr Delay (d2), s/veh	2.7	0.4	0.2	0.0	0.7	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.8	5.1	6.8	0.0	4.0	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	32.1	16.9	26.7	0.0	17.5	0.0
LnGrp LOS	C	B	C		B	
Approach Vol, veh/h		656	316		573	
Approach Delay, s/veh		23.4	26.7		17.5	
Approach LOS		C	C		B	

Timer - Assigned Phs	4	6	8
Phs Duration (G+Y+Rc), s	45.7	44.3	45.7
Change Period (Y+Rc), s	4.5	4.5	4.5
Max Green Setting (Gmax), s	51.5	29.5	51.5
Max Q Clear Time (g_c+I1), s	38.2	12.0	15.7
Green Ext Time (p_c), s	3.1	2.0	2.0

Intersection Summary	
HCM 6th Ctrl Delay	21.9
HCM 6th LOS	C

Notes

Unsignalized Delay for [WBR, SBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	181	256	402	39	478	75
Future Volume (veh/h)	181	256	402	39	478	75
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	213	301	473	0	562	0
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	324	928	928		1395	
Arrive On Green	0.50	0.50	0.16	0.00	0.40	0.00
Sat Flow, veh/h	921	1870	1870	1585	3456	1585
Grp Volume(v), veh/h	213	301	473	0	562	0
Grp Sat Flow(s),veh/h/ln	921	1870	1870	1585	1728	1585
Q Serve(g_s), s	19.9	8.7	20.8	0.0	10.4	0.0
Cycle Q Clear(g_c), s	40.7	8.7	20.8	0.0	10.4	0.0
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	324	928	928		1395	
V/C Ratio(X)	0.66	0.32	0.51		0.40	
Avail Cap(c_a), veh/h	394	1070	1070		1395	
HCM Platoon Ratio	1.00	1.00	0.33	0.33	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.93	0.00	1.00	0.00
Uniform Delay (d), s/veh	31.6	13.6	27.6	0.0	19.1	0.0
Incr Delay (d2), s/veh	2.9	0.2	0.4	0.0	0.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.6	3.5	10.4	0.0	4.2	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	34.5	13.8	28.0	0.0	20.0	0.0
LnGrp LOS	C	B	C		B	
Approach Vol, veh/h		514	473		562	
Approach Delay, s/veh		22.4	28.0		20.0	
Approach LOS		C	C		B	

Timer - Assigned Phs			4		6	8
Phs Duration (G+Y+Rc), s			49.2		40.8	49.2
Change Period (Y+Rc), s			4.5		4.5	4.5
Max Green Setting (Gmax), s			51.5		29.5	51.5
Max Q Clear Time (g_c+I1), s			42.7		12.4	22.8
Green Ext Time (p_c), s			2.0		2.0	3.2

Intersection Summary		
HCM 6th Ctrl Delay	23.2	
HCM 6th LOS	C	

Notes

Unsignalized Delay for [WBR, SBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	295	398	326	149	550	39
Future Volume (veh/h)	295	398	326	149	550	39
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	307	415	340	0	573	0
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	430	932	932		1389	
Arrive On Green	0.50	0.50	0.16	0.00	0.40	0.00
Sat Flow, veh/h	1040	1870	1870	1585	3456	1585
Grp Volume(v), veh/h	307	415	340	0	573	0
Grp Sat Flow(s),veh/h/ln	1040	1870	1870	1585	1728	1585
Q Serve(g_s), s	25.0	12.9	14.5	0.0	10.7	0.0
Cycle Q Clear(g_c), s	39.5	12.9	14.5	0.0	10.7	0.0
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	430	932	932		1389	
V/C Ratio(X)	0.71	0.45	0.36		0.41	
Avail Cap(c_a), veh/h	530	1112	1112		1389	
HCM Platoon Ratio	1.00	1.00	0.33	0.33	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.92	0.00	1.00	0.00
Uniform Delay (d), s/veh	28.1	14.6	25.0	0.0	19.3	0.0
Incr Delay (d2), s/veh	3.5	0.3	0.2	0.0	0.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.4	5.2	7.3	0.0	4.3	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	31.6	14.9	25.2	0.0	20.2	0.0
LnGrp LOS	C	B	C		C	
Approach Vol, veh/h		722	340		573	
Approach Delay, s/veh		22.0	25.2		20.2	
Approach LOS		C	C		C	

Timer - Assigned Phs			4		6	8
Phs Duration (G+Y+Rc), s			49.3		40.7	49.3
Change Period (Y+Rc), s			4.5		4.5	4.5
Max Green Setting (Gmax), s			53.5		27.5	53.5
Max Q Clear Time (g_c+I1), s			41.5		12.7	16.5
Green Ext Time (p_c), s			3.3		1.9	2.2

Intersection Summary	
HCM 6th Ctrl Delay	22.0
HCM 6th LOS	C

Notes

Unsignalized Delay for [WBR, SBR] is excluded from calculations of the approach delay and intersection delay.



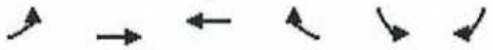
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	214	256	415	65	499	72
Future Volume (veh/h)	214	256	415	65	499	72
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	252	301	488	0	587	0
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	360	1014	1014		1236	
Arrive On Green	0.54	0.54	0.18	0.00	0.36	0.00
Sat Flow, veh/h	908	1870	1870	1585	3456	1585
Grp Volume(v), veh/h	252	301	488	0	587	0
Grp Sat Flow(s),veh/h/ln	908	1870	1870	1585	1728	1585
Q Serve(g_s), s	23.9	7.9	21.1	0.0	11.8	0.0
Cycle Q Clear(g_c), s	45.0	7.9	21.1	0.0	11.8	0.0
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	360	1014	1014		1236	
V/C Ratio(X)	0.70	0.30	0.48		0.47	
Avail Cap(c_a), veh/h	407	1112	1112		1236	
HCM Platoon Ratio	1.00	1.00	0.33	0.33	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.91	0.00	1.00	0.00
Uniform Delay (d), s/veh	29.8	11.2	25.6	0.0	22.4	0.0
Incr Delay (d2), s/veh	4.6	0.2	0.3	0.0	1.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.5	3.1	10.6	0.0	4.9	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	34.4	11.4	25.9	0.0	23.7	0.0
LnGrp LOS	C	B	C		C	
Approach Vol, veh/h		553	488		587	
Approach Delay, s/veh		21.9	25.9		23.7	
Approach LOS		C	C		C	

Timer - Assigned Phs	4	6	8
Phs Duration (G+Y+Rc), s	53.3	36.7	53.3
Change Period (Y+Rc), s	4.5	4.5	4.5
Max Green Setting (Gmax), s	53.5	27.5	53.5
Max Q Clear Time (g_c+I1), s	47.0	13.8	23.1
Green Ext Time (p_c), s	1.8	1.9	3.4

Intersection Summary	
HCM 6th Ctrl Delay	23.7
HCM 6th LOS	C

Notes

Unsignalized Delay for [WBR, SBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	348	396	328	163	588	39
Future Volume (veh/h)	348	396	328	163	588	39
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	362	412	342	0	612	0
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	479	1017	1017		1232	
Arrive On Green	0.54	0.54	0.18	0.00	0.36	0.00
Sat Flow, veh/h	1039	1870	1870	1585	3456	1585
Grp Volume(v), veh/h	362	412	342	0	612	0
Grp Sat Flow(s),veh/h/ln	1039	1870	1870	1585	1728	1585
Q Serve(g_s), s	29.7	11.6	14.4	0.0	12.5	0.0
Cycle Q Clear(g_c), s	44.0	11.6	14.4	0.0	12.5	0.0
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	479	1017	1017		1232	
V/C Ratio(X)	0.76	0.41	0.34		0.50	
Avail Cap(c_a), veh/h	543	1133	1133		1232	
HCM Platoon Ratio	1.00	1.00	0.33	0.33	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.90	0.00	1.00	0.00
Uniform Delay (d), s/veh	26.2	12.0	22.8	0.0	22.6	0.0
Incr Delay (d2), s/veh	5.3	0.3	0.2	0.0	1.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.7	4.6	7.2	0.0	5.2	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	31.5	12.3	22.9	0.0	24.1	0.0
LnGrp LOS	C	B	C		C	
Approach Vol, veh/h		774	342		612	
Approach Delay, s/veh		21.3	22.9		24.1	
Approach LOS		C	C		C	

Timer - Assigned Phs		4		6	8
Phs Duration (G+Y+Rc), s		53.4		36.6	53.4
Change Period (Y+Rc), s		4.5		4.5	4.5
Max Green Setting (Gmax), s		54.5		26.5	54.5
Max Q Clear Time (g_c+I1), s		46.0		14.5	16.4
Green Ext Time (p_c), s		2.9		1.9	2.3

Intersection Summary	
HCM 6th Ctrl Delay	22.6
HCM 6th LOS	C

Notes

Unsignalized Delay for [WBR, SBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	222	270	447	65	499	99
Future Volume (veh/h)	222	270	447	65	499	99
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	261	318	526	0	587	0
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	367	1082	1082		1111	
Arrive On Green	0.58	0.58	0.19	0.00	0.32	0.00
Sat Flow, veh/h	877	1870	1870	1585	3456	1585
Grp Volume(v), veh/h	261	318	526	0	587	0
Grp Sat Flow(s),veh/h/ln	877	1870	1870	1585	1728	1585
Q Serve(g_s), s	25.6	7.8	22.6	0.0	12.5	0.0
Cycle Q Clear(g_c), s	48.2	7.8	22.6	0.0	12.5	0.0
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	367	1082	1082		1111	
V/C Ratio(X)	0.71	0.29	0.49		0.53	
Avail Cap(c_a), veh/h	411	1174	1174		1111	
HCM Platoon Ratio	1.00	1.00	0.33	0.33	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.90	0.00	1.00	0.00
Uniform Delay (d), s/veh	29.0	9.6	24.5	0.0	25.0	0.0
Incr Delay (d2), s/veh	5.0	0.1	0.3	0.0	1.8	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.7	3.0	11.3	0.0	5.3	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	33.9	9.8	24.8	0.0	26.8	0.0
LnGrp LOS	C	A	C		C	
Approach Vol, veh/h		579	526		587	
Approach Delay, s/veh		20.7	24.8		26.8	
Approach LOS		C	C		C	

Timer - Assigned Phs			4		6	8
Phs Duration (G+Y+Rc), s			56.6		33.4	56.6
Change Period (Y+Rc), s			4.5		4.5	4.5
Max Green Setting (Gmax), s			56.5		24.5	56.5
Max Q Clear Time (g_c+I1), s			50.2		14.5	24.6
Green Ext Time (p_c), s			1.9		1.7	3.8

Intersection Summary		
HCM 6th Ctrl Delay		24.1
HCM 6th LOS		C

Notes

Unsignalized Delay for [WBR, SBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	372	435	351	163	588	57
Future Volume (veh/h)	372	435	351	163	588	57
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	388	453	366	0	612	0
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	501	1091	1091		1095	
Arrive On Green	0.58	0.58	0.19	0.00	0.32	0.00
Sat Flow, veh/h	1016	1870	1870	1585	3456	1585
Grp Volume(v), veh/h	388	453	366	0	612	0
Grp Sat Flow(s),veh/h/ln	1016	1870	1870	1585	1728	1585
Q Serve(g_s), s	32.6	12.0	15.2	0.0	13.2	0.0
Cycle Q Clear(g_c), s	47.8	12.0	15.2	0.0	13.2	0.0
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	501	1091	1091		1095	
V/C Ratio(X)	0.77	0.42	0.34		0.56	
Avail Cap(c_a), veh/h	546	1174	1174		1095	
HCM Platoon Ratio	1.00	1.00	0.33	0.33	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.89	0.00	1.00	0.00
Uniform Delay (d), s/veh	25.0	10.3	21.3	0.0	25.5	0.0
Incr Delay (d2), s/veh	6.3	0.3	0.2	0.0	2.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.3	4.6	7.6	0.0	5.6	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	31.3	10.6	21.4	0.0	27.6	0.0
LnGrp LOS	C	B	C		C	
Approach Vol, veh/h		841	366		612	
Approach Delay, s/veh		20.1	21.4		27.6	
Approach LOS		C	C		C	

Timer - Assigned Phs			4		6	8
Phs Duration (G+Y+Rc), s			57.0		33.0	57.0
Change Period (Y+Rc), s			4.5		4.5	4.5
Max Green Setting (Gmax), s			56.5		24.5	56.5
Max Q Clear Time (g_c+I1), s			49.8		15.2	17.2
Green Ext Time (p_c), s			2.7		1.7	2.5

Intersection Summary	
HCM 6th Ctrl Delay	22.9
HCM 6th LOS	C

Notes

Unsignalized Delay for [WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection: 8: Calabasas Road & U.S. Highway 101 Ramps

Movement	EB	EB	WB	SB	SB
Directions Served	L	T	T	L	L
Maximum Queue (ft)	167	159	160	115	93
Average Queue (ft)	126	95	154	77	65
95th Queue (ft)	174	180	168	122	101
Link Distance (ft)		2432	1485	104	104
Upstream Blk Time (%)				5	0
Queuing Penalty (veh)				0	0
Storage Bay Dist (ft)	150				
Storage Blk Time (%)	11	3			
Queuing Penalty (veh)	26	4			

Intersection: 8: Calabasas Road & U.S. Highway 101 Ramps

Movement	EB	EB	WB	WB	SB	SB
Directions Served	L	T	T	R	L	L
Maximum Queue (ft)	173	346	208	53	119	119
Average Queue (ft)	112	166	132	11	103	104
95th Queue (ft)	190	326	238	46	148	147
Link Distance (ft)		2432	1485	1485	104	104
Upstream Blk Time (%)					5	11
Queuing Penalty (veh)					0	0
Storage Bay Dist (ft)	150					
Storage Blk Time (%)	3	9				
Queuing Penalty (veh)	11	25				

Intersection: 8: Calabasas Road & U.S. Highway 101 Ramps

Movement	EB	EB	WB	SB	SB
Directions Served	L	T	T	L	L
Maximum Queue (ft)	174	226	278	119	119
Average Queue (ft)	116	126	192	80	83
95th Queue (ft)	177	213	292	118	140
Link Distance (ft)		2432	1485	104	104
Upstream Blk Time (%)				1	4
Queuing Penalty (veh)				0	0
Storage Bay Dist (ft)	150				
Storage Blk Time (%)	7	5			
Queuing Penalty (veh)	18	8			

Intersection: 8: Calabasas Road & U.S. Highway 101 Ramps

Movement	EB	EB	WB	SB	SB
Directions Served	L	T	T	L	L
Maximum Queue (ft)	174	280	180	119	119
Average Queue (ft)	159	184	154	109	88
95th Queue (ft)	194	303	180	126	152
Link Distance (ft)		2432	1485	104	104
Upstream Blk Time (%)				12	9
Queuing Penalty (veh)				0	0
Storage Bay Dist (ft)	150				
Storage Blk Time (%)	15	6			
Queuing Penalty (veh)	59	18			

Intersection: 8: Calabasas Road & U.S. Highway 101 Ramps

Movement	EB	EB	WB	SB	SB
Directions Served	L	T	T	L	L
Maximum Queue (ft)	170	199	223	119	119
Average Queue (ft)	132	141	142	70	96
95th Queue (ft)	196	213	217	121	142
Link Distance (ft)		2412	1485	104	104
Upstream Blk Time (%)				8	7
Queuing Penalty (veh)				0	0
Storage Bay Dist (ft)	150				
Storage Blk Time (%)	4	2			
Queuing Penalty (veh)	9	5			

Intersection: 8: Calabasas Road & U.S. Highway 101 Ramps

Movement	EB	EB	WB	SB	SB
Directions Served	L	T	T	L	L
Maximum Queue (ft)	174	495	136	143	119
Average Queue (ft)	165	310	101	121	105
95th Queue (ft)	191	543	131	139	130
Link Distance (ft)		2412	1485	104	104
Upstream Blk Time (%)				26	12
Queuing Penalty (veh)				0	0
Storage Bay Dist (ft)	150				
Storage Blk Time (%)	27	7			
Queuing Penalty (veh)	107	23			

Intersection: 8: Calabasas Road & U.S. Highway 101 Ramps

Movement	EB	EB	WB	SB	SB
Directions Served	L	T	T	L	L
Maximum Queue (ft)	174	328	200	119	119
Average Queue (ft)	132	195	167	99	94
95th Queue (ft)	212	327	206	140	132
Link Distance (ft)		2412	1485	104	104
Upstream Blk Time (%)				16	12
Queuing Penalty (veh)				0	0
Storage Bay Dist (ft)	150				
Storage Blk Time (%)	11	9			
Queuing Penalty (veh)	28	20			

Intersection: 8: Calabasas Road & U.S. Highway 101 Ramps

Movement	EB	EB	WB	WB	SB	SB
Directions Served	L	T	T	R	L	L
Maximum Queue (ft)	174	376	171	53	119	119
Average Queue (ft)	139	224	132	11	103	103
95th Queue (ft)	203	401	167	46	136	135
Link Distance (ft)		2412	1485	1485	104	104
Upstream Blk Time (%)					13	9
Queuing Penalty (veh)					0	0
Storage Bay Dist (ft)	150					
Storage Blk Time (%)	14	6				
Queuing Penalty (veh)	63	22				



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	75	313	319	16	101	200	77	690	26	103	471	255
Future Volume (vph)	75	313	319	16	101	200	77	690	26	103	471	255
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.91		0.91	0.91	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1770	3539	1583	1770	3539	1583	1770	5058		1610	3387	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (perm)	1770	3539	1583	1770	3539	1583	1770	5058		1610	3387	1583
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Adj. Flow (vph)	83	348	354	18	112	222	86	767	29	114	523	283
RTOR Reduction (vph)	0	0	281	0	0	190	0	4	0	0	0	215
Lane Group Flow (vph)	83	348	73	18	112	32	86	792	0	103	534	68
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Split	NA		Split	NA	Perm
Protected Phases	7	4		3	8		2	2		6	6	
Permitted Phases			4			8						6
Actuated Green, G (s)	7.5	18.6	18.6	2.0	13.1	13.1	29.9	29.9		21.5	21.5	21.5
Effective Green, g (s)	7.5	18.6	18.6	2.0	13.1	13.1	29.9	29.9		21.5	21.5	21.5
Actuated g/C Ratio	0.08	0.21	0.21	0.02	0.15	0.15	0.33	0.33		0.24	0.24	0.24
Clearance Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	147	731	327	39	515	230	588	1680		384	809	378
v/s Ratio Prot	c0.05	c0.10		0.01	0.03		0.05	c0.16		0.06	c0.16	
v/s Ratio Perm			0.05			0.02						0.04
v/c Ratio	0.56	0.48	0.22	0.46	0.22	0.14	0.15	0.47		0.27	0.66	0.18
Uniform Delay, d1	39.7	31.4	29.7	43.5	33.9	33.5	21.1	23.8		27.9	30.9	27.2
Progression Factor	0.96	1.01	2.49	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	4.8	0.5	0.3	8.4	0.2	0.3	0.5	1.0		1.7	4.2	1.0
Delay (s)	43.0	32.4	74.2	51.9	34.1	33.8	21.6	24.7		29.6	35.2	28.3
Level of Service	D	C	E	D	C	C	C	C		C	D	C
Approach Delay (s)		52.3			34.8			24.4			32.4	
Approach LOS		D			C			C			C	

Intersection Summary			
HCM 2000 Control Delay	35.6	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.55		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	18.0
Intersection Capacity Utilization	51.5%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	97	474	270	52	124	339	49	579	33	189	337	282
Future Volume (vph)	97	474	270	52	124	339	49	579	33	189	337	282
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.91		0.91	0.91	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1770	3539	1583	1770	3539	1583	1770	5044		1610	3381	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (perm)	1770	3539	1583	1770	3539	1583	1770	5044		1610	3381	1583
Peak-hour factor, PHF	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Adj. Flow (vph)	103	504	287	55	132	361	52	616	35	201	359	300
RTOR Reduction (vph)	0	0	222	0	0	292	0	6	0	0	0	235
Lane Group Flow (vph)	103	504	65	55	132	69	52	645	0	181	379	65
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Split	NA		Split	NA	Perm
Protected Phases	7	4		3	8		2	2		6	6	
Permitted Phases			4			8						6
Actuated Green, G (s)	8.6	20.3	20.3	5.6	17.3	17.3	26.6	26.6		19.5	19.5	19.5
Effective Green, g (s)	8.6	20.3	20.3	5.6	17.3	17.3	26.6	26.6		19.5	19.5	19.5
Actuated g/C Ratio	0.10	0.23	0.23	0.06	0.19	0.19	0.30	0.30		0.22	0.22	0.22
Clearance Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	169	798	357	110	680	304	523	1490		348	732	342
v/s Ratio Prot	c0.06	c0.14		0.03	0.04		0.03	c0.13		c0.11	0.11	
v/s Ratio Perm			0.04			0.04						0.04
v/c Ratio	0.61	0.63	0.18	0.50	0.19	0.23	0.10	0.43		0.52	0.52	0.19
Uniform Delay, d1	39.1	31.5	28.1	40.8	30.5	30.7	23.0	25.6		31.1	31.1	28.8
Progression Factor	0.95	0.96	2.03	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	5.9	1.6	0.2	3.5	0.1	0.4	0.4	0.9		5.5	2.6	1.2
Delay (s)	43.0	31.7	57.4	44.4	30.6	31.1	23.4	26.5		36.6	33.7	30.0
Level of Service	D	C	E	D	C	C	C	C		D	C	C
Approach Delay (s)		41.2			32.3			26.3			33.0	
Approach LOS		D			C			C			C	

Intersection Summary					
HCM 2000 Control Delay	33.8	HCM 2000 Level of Service	C		
HCM 2000 Volume to Capacity ratio	0.54				
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	18.0		
Intersection Capacity Utilization	54.1%	ICU Level of Service	A		
Analysis Period (min)	15				

c Critical Lane Group

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	85	315	321	16	104	200	80	690	26	103	471	281
Future Volume (vph)	85	315	321	16	104	200	80	690	26	103	471	281
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.91		0.91	0.91	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1770	3539	1583	1770	3539	1583	1770	5058		1610	3387	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (perm)	1770	3539	1583	1770	3539	1583	1770	5058		1610	3387	1583
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Adj. Flow (vph)	94	350	357	18	116	222	89	767	29	114	523	312
RTOR Reduction (vph)	0	0	282	0	0	190	0	4	0	0	0	244
Lane Group Flow (vph)	94	350	75	18	116	32	89	792	0	103	534	68
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Split	NA		Split	NA	Perm
Protected Phases	7	4		3	8		2	2		6	6	
Permitted Phases			4			8						6
Actuated Green, G (s)	8.6	18.8	18.8	2.8	13.0	13.0	30.9	30.9		19.5	19.5	19.5
Effective Green, g (s)	8.6	18.8	18.8	2.8	13.0	13.0	30.9	30.9		19.5	19.5	19.5
Actuated g/C Ratio	0.10	0.21	0.21	0.03	0.14	0.14	0.34	0.34		0.22	0.22	0.22
Clearance Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	169	739	330	55	511	228	607	1736		348	733	342
v/s Ratio Prot	c0.05	c0.10		0.01	0.03		0.05	c0.16		0.06	c0.16	
v/s Ratio Perm			0.05			0.02						0.04
v/c Ratio	0.56	0.47	0.23	0.33	0.23	0.14	0.15	0.46		0.30	0.73	0.20
Uniform Delay, d1	38.9	31.3	29.6	42.7	34.1	33.6	20.4	23.0		29.5	32.8	28.8
Progression Factor	0.93	1.00	2.43	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	3.8	0.5	0.3	3.5	0.2	0.3	0.5	0.9		2.2	6.3	1.3
Delay (s)	39.9	31.7	72.2	46.1	34.3	33.9	20.9	23.9		31.7	39.1	30.1
Level of Service	D	C	E	D	C	C	C	C		C	D	C
Approach Delay (s)		50.7			34.6			23.6			35.3	
Approach LOS		D			C			C			D	

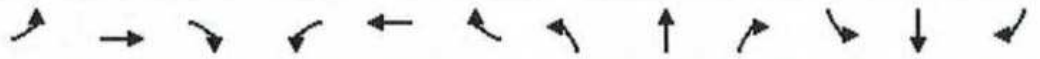
Intersection Summary			
HCM 2000 Control Delay	35.9	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.56		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	18.0
Intersection Capacity Utilization	51.5%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	129	478	273	52	127	339	51	579	33	189	337	300
Future Volume (vph)	129	478	273	52	127	339	51	579	33	189	337	300
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.91		0.91	0.91	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1770	3539	1583	1770	3539	1583	1770	5044		1610	3381	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (perm)	1770	3539	1583	1770	3539	1583	1770	5044		1610	3381	1583
Peak-hour factor, PHF	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Adj. Flow (vph)	137	509	290	55	135	361	54	616	35	201	359	319
RTOR Reduction (vph)	0	0	221	0	0	296	0	6	0	0	0	257
Lane Group Flow (vph)	137	509	69	55	135	65	54	645	0	181	379	62
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Split	NA		Split	NA	Perm
Protected Phases	7	4		3	8		2	2		6	6	
Permitted Phases			4			8						6
Actuated Green, G (s)	11.9	21.3	21.3	6.7	16.1	16.1	26.5	26.5		17.5	17.5	17.5
Effective Green, g (s)	11.9	21.3	21.3	6.7	16.1	16.1	26.5	26.5		17.5	17.5	17.5
Actuated g/C Ratio	0.13	0.24	0.24	0.07	0.18	0.18	0.29	0.29		0.19	0.19	0.19
Clearance Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	234	837	374	131	633	283	521	1485		313	657	307
v/s Ratio Prot	c0.08	c0.14		0.03	0.04		0.03	c0.13		c0.11	0.11	
v/s Ratio Perm			0.04			0.04						0.04
v/c Ratio	0.59	0.61	0.18	0.42	0.21	0.23	0.10	0.43		0.58	0.58	0.20
Uniform Delay, d1	36.7	30.6	27.4	39.8	31.5	31.6	23.1	25.7		32.9	32.9	30.4
Progression Factor	0.93	0.96	1.93	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	3.5	1.2	0.2	2.2	0.2	0.4	0.4	0.9		7.6	3.7	1.5
Delay (s)	37.7	30.5	53.0	42.0	31.7	32.0	23.5	26.6		40.5	36.6	31.9
Level of Service	D	C	D	D	C	C	C	C		D	D	C
Approach Delay (s)		38.5			33.0			26.4			35.7	
Approach LOS		D			C			C			D	

Intersection Summary			
HCM 2000 Control Delay	33.9	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.55		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	18.0
Intersection Capacity Utilization	54.2%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	89	331	329	17	130	208	99	718	27	111	485	318
Future Volume (vph)	89	331	329	17	130	208	99	718	27	111	485	318
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.91		0.91	0.91	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1770	3539	1583	1770	3539	1583	1770	5058		1610	3387	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (perm)	1770	3539	1583	1770	3539	1583	1770	5058		1610	3387	1583
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Adj. Flow (vph)	99	368	366	19	144	231	110	798	30	123	539	353
RTOR Reduction (vph)	0	0	287	0	0	197	0	4	0	0	0	284
Lane Group Flow (vph)	99	368	79	19	144	34	110	824	0	111	551	69
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Split	NA		Split	NA	Perm
Protected Phases	7	4		3	8		2	2		6	6	
Permitted Phases			4			8						6
Actuated Green, G (s)	9.1	19.4	19.4	3.0	13.3	13.3	32.1	32.1		17.5	17.5	17.5
Effective Green, g (s)	9.1	19.4	19.4	3.0	13.3	13.3	32.1	32.1		17.5	17.5	17.5
Actuated g/C Ratio	0.10	0.22	0.22	0.03	0.15	0.15	0.36	0.36		0.19	0.19	0.19
Clearance Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	178	762	341	59	522	233	631	1804		313	658	307
v/s Ratio Prot	c0.06	c0.10		0.01	0.04		0.06	c0.16		0.07	c0.16	
v/s Ratio Perm			0.05			0.02						0.04
v/c Ratio	0.56	0.48	0.23	0.32	0.28	0.15	0.17	0.46		0.35	0.84	0.22
Uniform Delay, d1	38.5	30.9	29.1	42.5	34.1	33.4	19.9	22.2		31.4	34.9	30.5
Progression Factor	0.83	0.91	2.41	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	3.6	0.5	0.3	3.2	0.3	0.3	0.6	0.8		3.1	12.1	1.7
Delay (s)	35.6	28.5	70.7	45.7	34.4	33.7	20.5	23.1		34.5	47.0	32.2
Level of Service	D	C	E	D	C	C	C	C		C	D	C
Approach Delay (s)		47.9			34.5			22.8			40.5	
Approach LOS		D			C			C			D	

Intersection Summary					
HCM 2000 Control Delay	36.5	HCM 2000 Level of Service	D		
HCM 2000 Volume to Capacity ratio	0.58				
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	18.0		
Intersection Capacity Utilization	56.2%	ICU Level of Service	B		
Analysis Period (min)	15				

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	125	505	282	54	160	357	61	597	27	206	355	337
Future Volume (vph)	125	505	282	54	160	357	61	597	27	206	355	337
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.91		0.91	0.91	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1770	3539	1583	1770	3539	1583	1770	5052		1610	3379	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (perm)	1770	3539	1583	1770	3539	1583	1770	5052		1610	3379	1583
Peak-hour factor, PHF	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Adj. Flow (vph)	133	537	300	57	170	380	65	635	29	219	378	359
RTOR Reduction (vph)	0	0	228	0	0	310	0	5	0	0	0	289
Lane Group Flow (vph)	133	537	72	57	170	70	65	659	0	193	404	70
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Split	NA		Split	NA	Perm
Protected Phases	7	4		3	8		2	2		6	6	
Permitted Phases			4			8						6
Actuated Green, G (s)	11.6	21.5	21.5	6.7	16.6	16.6	26.3	26.3		17.5	17.5	17.5
Effective Green, g (s)	11.6	21.5	21.5	6.7	16.6	16.6	26.3	26.3		17.5	17.5	17.5
Actuated g/C Ratio	0.13	0.24	0.24	0.07	0.18	0.18	0.29	0.29		0.19	0.19	0.19
Clearance Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	228	845	378	131	652	291	517	1476		313	657	307
v/s Ratio Prot	c0.08	c0.15		0.03	0.05		0.04	c0.13		c0.12	0.12	
v/s Ratio Perm			0.05			0.04						0.04
v/c Ratio	0.58	0.64	0.19	0.44	0.26	0.24	0.13	0.45		0.62	0.61	0.23
Uniform Delay, d1	36.9	30.7	27.3	39.8	31.4	31.3	23.4	25.9		33.2	33.2	30.6
Progression Factor	0.86	0.87	2.05	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	3.5	1.5	0.2	2.3	0.2	0.4	0.5	1.0		8.8	4.3	1.7
Delay (s)	35.2	28.1	56.2	42.1	31.7	31.8	23.9	26.9		42.0	37.4	32.3
Level of Service	D	C	E	D	C	C	C	C		D	D	C
Approach Delay (s)		37.8			32.7			26.6			36.4	
Approach LOS		D			C			C			D	

Intersection Summary			
HCM 2000 Control Delay	33.9	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.58		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	18.0
Intersection Capacity Utilization	55.8%	ICU Level of Service	B
Analysis Period (min)	15		

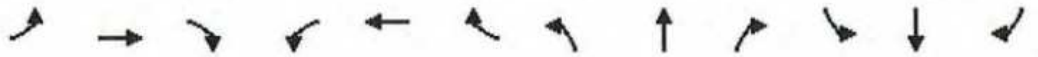
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	99	333	331	17	133	208	102	718	27	111	485	344
Future Volume (vph)	99	333	331	17	133	208	102	718	27	111	485	344
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.91		0.91	0.91	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1770	3539	1583	1770	3539	1583	1770	5058		1610	3387	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (perm)	1770	3539	1583	1770	3539	1583	1770	5058		1610	3387	1583
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Adj. Flow (vph)	110	370	368	19	148	231	113	798	30	123	539	382
RTOR Reduction (vph)	0	0	287	0	0	197	0	4	0	0	0	312
Lane Group Flow (vph)	110	370	81	19	148	34	113	824	0	111	551	70
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Split	NA		Split	NA	Perm
Protected Phases	7	4		3	8		2	2		6	6	
Permitted Phases			4			8						6
Actuated Green, G (s)	9.6	19.7	19.7	3.0	13.1	13.1	32.8	32.8		16.5	16.5	16.5
Effective Green, g (s)	9.6	19.7	19.7	3.0	13.1	13.1	32.8	32.8		16.5	16.5	16.5
Actuated g/C Ratio	0.11	0.22	0.22	0.03	0.15	0.15	0.36	0.36		0.18	0.18	0.18
Clearance Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	188	774	346	59	515	230	645	1843		295	620	290
v/s Ratio Prot	c0.06	c0.10		0.01	0.04		0.06	c0.16		0.07	c0.16	
v/s Ratio Perm			0.05			0.02						0.04
v/c Ratio	0.59	0.48	0.23	0.32	0.29	0.15	0.18	0.45		0.38	0.89	0.24
Uniform Delay, d1	38.3	30.7	28.9	42.5	34.3	33.6	19.4	21.7		32.2	35.9	31.4
Progression Factor	0.82	0.86	2.32	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	4.4	0.4	0.3	3.2	0.3	0.3	0.6	0.8		3.6	17.2	2.0
Delay (s)	35.8	26.8	67.3	45.7	34.6	33.9	20.0	22.5		35.9	53.1	33.4
Level of Service	D	C	E	D	C	C	C	C		D	D	C
Approach Delay (s)		45.5			34.7			22.2			44.0	
Approach LOS		D			C			C			D	

Intersection Summary					
HCM 2000 Control Delay	36.9	HCM 2000 Level of Service	D		
HCM 2000 Volume to Capacity ratio	0.59				
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	18.0		
Intersection Capacity Utilization	56.3%	ICU Level of Service	B		
Analysis Period (min)	15				

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	157	509	285	54	163	357	63	597	27	206	355	355
Future Volume (vph)	157	509	285	54	163	357	63	597	27	206	355	355
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.91		0.91	0.91	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1770	3539	1583	1770	3539	1583	1770	5052		1610	3379	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (perm)	1770	3539	1583	1770	3539	1583	1770	5052		1610	3379	1583
Peak-hour factor, PHF	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Adj. Flow (vph)	167	541	303	57	173	380	67	635	29	219	378	378
RTOR Reduction (vph)	0	0	229	0	0	315	0	5	0	0	0	309
Lane Group Flow (vph)	167	541	74	57	173	65	67	659	0	193	404	69
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Split	NA		Split	NA	Perm
Protected Phases	7	4		3	8		2	2		6	6	
Permitted Phases			4			8						6
Actuated Green, G (s)	13.2	22.0	22.0	6.7	15.5	15.5	26.8	26.8		16.5	16.5	16.5
Effective Green, g (s)	13.2	22.0	22.0	6.7	15.5	15.5	26.8	26.8		16.5	16.5	16.5
Actuated g/C Ratio	0.15	0.24	0.24	0.07	0.17	0.17	0.30	0.30		0.18	0.18	0.18
Clearance Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	259	865	386	131	609	272	527	1504		295	619	290
v/s Ratio Prot	c0.09	c0.15		0.03	0.05		0.04	c0.13		c0.12	0.12	
v/s Ratio Perm			0.05			0.04						0.04
v/c Ratio	0.64	0.63	0.19	0.44	0.28	0.24	0.13	0.44		0.65	0.65	0.24
Uniform Delay, d1	36.2	30.3	27.0	39.8	32.4	32.2	23.1	25.5		34.1	34.1	31.4
Progression Factor	0.88	0.84	1.93	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	5.0	1.3	0.2	2.3	0.3	0.5	0.5	0.9		10.8	5.3	1.9
Delay (s)	36.7	26.8	52.1	42.1	32.7	32.6	23.6	26.5		44.9	39.4	33.3
Level of Service	D	C	D	D	C	C	C	C		D	D	C
Approach Delay (s)		36.1			33.5			26.2			38.1	
Approach LOS		D			C			C			D	

Intersection Summary				
HCM 2000 Control Delay	34.0	HCM 2000 Level of Service	C	
HCM 2000 Volume to Capacity ratio	0.59			
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	18.0	
Intersection Capacity Utilization	55.9%	ICU Level of Service	B	
Analysis Period (min)	15			

c Critical Lane Group

CITY OF CALABASAS APPROVED DEVELOPMENT PROJECTS

Figure 8 – Related Projects Map



Table 4 provides information related to related project with the corresponding traffic volumes at the study intersections:

Table 4 -Related Projects List & Trip Generation

#	Project Name	Location	Land Use	Size	Unit	Daily Trips	Weekday Peak Hour					
							AM			PM		
							In	Out	Total	In	Out	Total
1	The Park Apartments	24100 Park Sorrento	Residential/Commercial	107	DU	368	11	36	47	27	15	42
2	Calabasas Commons	4799 Commons Way	Residential/Commercial	202	DU	695	20	68	89	51	28	79
3	Kia Car Dealership	24460 Calabasas Rd	Commercial	47,944	Sq Ft	1335	56	47	103	58	69	127
4	Calabasas Auto Park	23823 Ventura Blvd	Commercial	31,683	Sq Ft	46	3	3	6	3	3	6
5	Hidden Terraces Specific Plan	Mureau Rd near Crummer Canyon Rd	Residential	180	DU	583	23	29	52	29	25	54
5	Hidden Terraces Specific Plan	Mureau Rd near Crummer Canyon Rd	Residential	83	Beds	216	12	6	18	12	15	27

Refer to Figure 9 below for illustration showing the Related Projects' Trip Assignments at the study intersections.

APPENDIX M

Tribal Consultation

Community Development Department
Planning Division
100 Civic Center Way
Calabasas, CA 91302-3172
T: 818.224.1600
F: 818.225.7324

www.cityofcalabasas.com

June 19, 2024

Fernandeno Tataviam Band of Mission Indians
Rudy Ortega, Tribal President
1019 Second Street, Suite 1
San Fernando, CA 91340

Subject: Hello Kia Calabasas

Dear Mr. Ortega:

In conformance with the tribal consultation requirements of Assembly Bill (AB)-52, this letter is to inform you that the City of Calabasas is submitting the proposed project described below. Per AB-52, the tribe has the right to consult on a proposed public or private project prior to the release of a negative declaration, mitigated negative declaration, or environmental impact report. The project description is as follows:

Diamond West, Inc submitted an application on behalf of the applicant, Hello Auto Group, for a Site Plan Review, Oak Tree Permit, Lot Line Adjustment, and Scenic Corridor Permit for construction of a new retail automobile dealership for Kia located on a vacant parcel previously occupied by Sperling Nursery, located at 24460 Calabasas Rd (APN: 2069-009-008 & APN: 2069-009-020). The project site is located within the Commercial Limited zoning district, Commercial Auto Retailer (CAR) overlay zone, and Scenic Corridor (SC) overlay zone. The proposal includes construction of a two-story dealership of approximately 46,032 square feet and an associated 2,117 square-foot car wash.

You have 30 calendar days from receipt of this letter to notify us in writing that you want to consult on this project. Please provide the lead contact person's contact information and mail and correspondence or requests for consultation to:

Jaclyn Rackerby, Planner
City of Calabasas
100 Civic Center Way
Calabasas, CA 91302
Tel: (818) 224-1705

Sincerely,

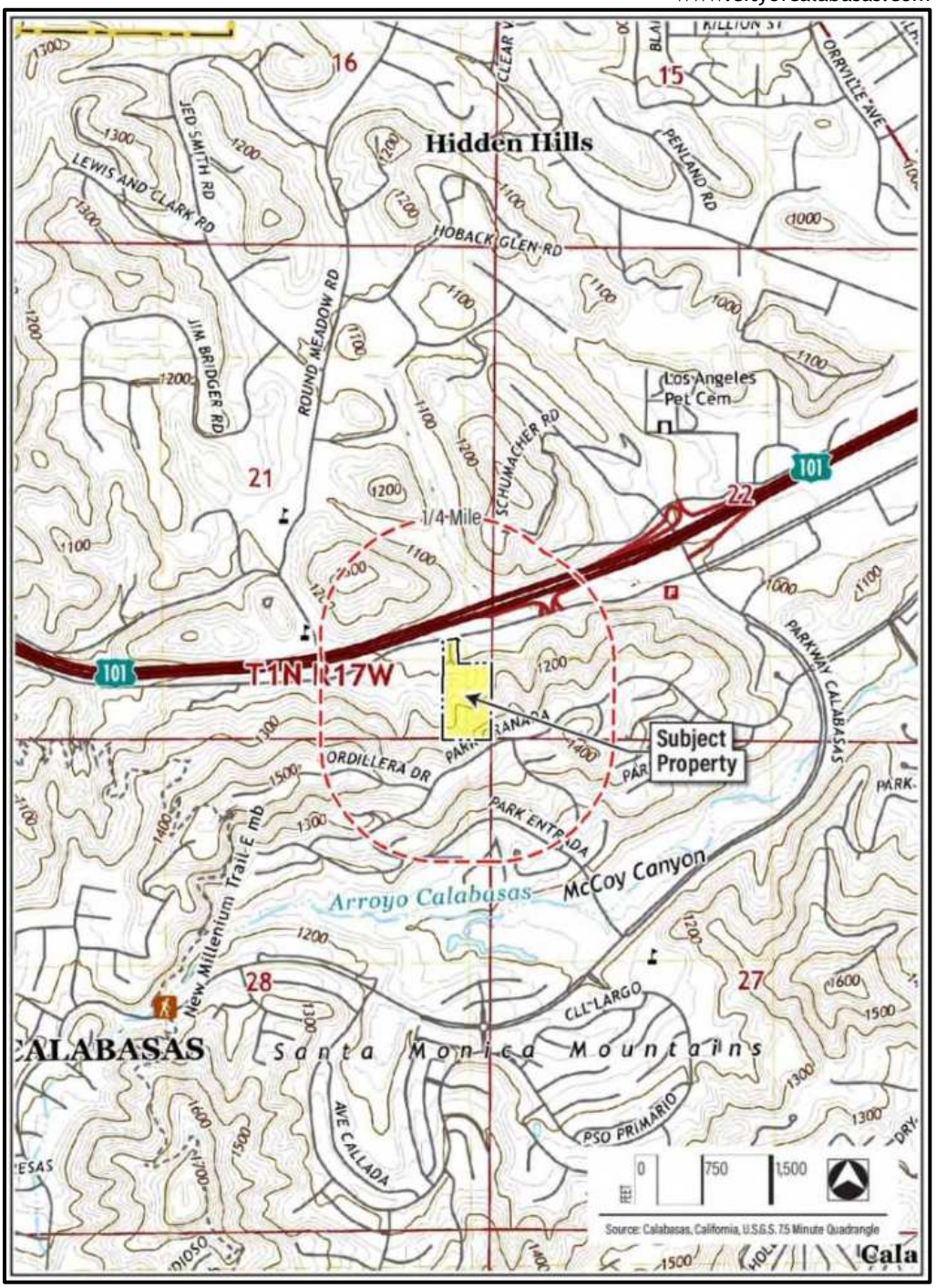
Jaclyn Rackerby
Planner

Attachment: Project vicinity map on 1:24,000 topographic map

CITY of CALABASAS

Community Development Department
Planning Division
100 Civic Center Way
Calabasas, CA 91302-3172
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The Project location in Los Angeles County, California, with the 0.25-mile study area shown (2018 Calabasas Quadrangle Topographic Map).

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September 30, 2024

Fernandeño Tataviam Band of Mission Indians
Sarah Brunzell, Cultural Resources Management Division Manager
1019 Second Street
San Fernando, CA 91340

Subject: AB 52 Notification of Closure of Consultation—Hello Kia Calabasas

Dear Ms. Brunzell:

The City of Calabasas again wants to thank you for taking the time to consult with us regarding the proposed Kia Dealership project (Project) located at 24460 Calabasas Rd. On September 18, 2024, the City sent you a notification of the City's intent to close the Tribal Consultation process which included a summary of the consultation process that has taken place, along with a revised draft of the proposed mitigation measures (based on tribal input) that would be incorporated into the Draft Mitigated Negative Declaration (MND). In that letter, the City offered you an additional opportunity to further discuss any tribal cultural resource issues and/or forward any additional comments on the draft language for the proposed mitigation measures that will be included in the Draft MND. On September 19, 2024, you sent the City additional recommendations for revised mitigation language. The City has reviewed your recommendations and made further revisions to the draft mitigation language (see attachment).

We are pleased that the Fernandeno Tataviam Band Of Mission Indians reached out to engage with the City, and are pleased to have participated in the consultation process. Through the consultation process, the City recognizes the cultural sensitivity of the Project site due to its location proximate to a historic trade route (now the 101 Freeway), and therefore the importance of having a professional tribal monitor on-site to observe earth moving operations, and a comprehensive discovery protocol in place in the event tribal cultural resources are discovered. These have been incorporated into mitigation measures that will be included in the Draft MND. The revised mitigation language also allows for tribal participation in the discovery process in the event that cultural resources are discovered, evaluated, and found to potentially be significant to the tribe. Furthermore, the City recognizes the importance of and agrees to share all compiled archaeological information from the Project. The City now considers the consultation process closed. As a reminder, although the tribal consultation process is now considered closed, further written comment is welcomed through the CEQA public review process, and both written and oral comments are always welcomed during the subsequent public hearing process. The tribe will receive notification of both the public review period for the Draft MND, and the subsequent public hearing(s).

CITY of CALABASAS

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Please do not hesitate to contact me if you wish to share any additional information, comments, or concerns prior to the closure of consultation.

Sincerely,



Jaclyn Rackerby
Planner

Attachment: Updated Draft Mitigation Measures

APPENDIX N

Wildfire Memo

MEMORANDUM

Date: March 12, 2024

To: City of Calabasas

From: Envicom Corporation, Environmental Consultants

Subj: Evaluation of Wildfire Risks to the Kia Dealership Project

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This document provides a discussion and analysis of wildfire risk for the Kia Dealership project proposed for an approximately 10.9-acre property located at 24460 Calabasas Road in the City of Calabasas. The project is within a Fire Hazard Severity Zone (FHSZ) and is therefore being analyzed to determine the potential wildfire exposure and risk. This document discusses the variables that contribute to wildfire exposure, risk, and safety, analyzes the project and site in consideration of those variables, and assesses the potential risks to the project.

Part A explains fire safety regulatory requirements and the effect they will have on the project. Part B discusses wildfire influencing factors and the character of the project site in relation to these factors. Part C briefly discusses evacuation in general and more specifically for the project. Part D brings the information from previous sections together to assess the project's future relationship to wildfire. Part E provides information and data that is supportive of the project at the proposed location.

A. Fire Safety Regulatory Requirements

The majority of fire safety features incorporated into development projects are a matter of regulatory compliance. The state sets minimum requirements for structural fire safety and site design features that all municipalities must incorporate, with the option to apply stricter controls in certain instances. State requirements are comprehensive and thorough, so rules are very similar across jurisdictions. The California Code of Regulations Title 24, also known as the Building Standards Code, contains Part 2, the California Building Code (CBC), and Part 9, the California Fire Code (CFC). The CBC contains three chapters that deal with fire safety and provides the basis for all local building codes, and the CFC is the basis for all local fire codes. Both the CBC and the CFC are based upon model national codes created by the International Code Council, and the same model codes are adopted by most jurisdictions in the U.S.

CBC Chapters 7, 7A, and 9 deal with structure fire safety. Chapter 7, Fire and Smoke Protection Features, regulates materials, systems and assemblies used for structural fire resistance and is applied to all permitted structures. The purpose of Chapter 7 requirements is to make buildings resistant to the spread of fire, either between buildings or between units within the same building, by requiring materials and structural design that can contain fire at its point of origin for a period

of time. Fire resistance provides sufficient time to discover and control a fire before it burns out of control, or to evacuate a building if necessary.

Chapter 7A, Materials and Construction Methods for Exterior Wildfire Exposure, regulates exterior cladding and roofing systems in structures located within a Fire Hazard Severity Zone, and wherever local regulation may require. The purpose of Chapter 7A is to make buildings resistant to ignition from burning embers or outside flames produced by wildfire. Buildings that conform to Chapter 7A have a fire-hardened exterior shell. Cladding must be noncombustible or ignition-resistant, roofs must be Class A rated, meaning fire cannot penetrate through the roofing from the outside, and vents must be designed to block embers from entering the building.

Chapter 9, Fire Protection Systems, specifies when fire protection systems are required, and specifies the design, installation, and operation of those systems. Fire protection systems would include alarms, detectors, and smoke control or fire control devices. This chapter addresses requirements for buildings, facilities, storage, and processes, and addresses the safe storage and use of hazardous materials, as well. Fire sprinkler requirements, fire flow standards, and emergency access road standards are components of this chapter. Fire flow standards ensure that there will be adequate water and water pressure available at a site for firefighting operations. Fire access road standards ensure that there is adequate width for fire apparatus to conduct firefighting operations from the road, adequate proximity to structures for firefighting purposes, and adequate available options to turn equipment around and move through the site as necessary during an emergency.

The CFC contains chapters that parallel Chapters 7 and 9 of the CBC, delineating the purview and authority of fire officials and fire departments in the realm of fire protection systems, as they relate to the CBC. Chapter 7A of the CBC is paralleled by Chapter 49 of the CFC, titled Requirements for Wildland-Urban Interface Fire Areas. This chapter compiles references to all of the State requirements regarding the WUI to delineate fire officials' roles in that regard. The combination of the CBC and CFC creates requirements for building officials and fire officials to review and approve in tandem, within their respective roles, the fire safety features of buildings and building sites. The CFC also establishes requirements for emergency planning and preparedness, including (but not limited to):

- Chapter 4
    - Specific evacuation procedures for different types of occupancy;
    - Required elements for evacuation plans;
    - Regulation and requirements for evacuation drills; and
    - Hazardous material notification and communication.

- Chapter 5
    - Fire access road requirements;
    - Building fire access requirements;
    - Fire protection water supply requirements, and;
    - Requirements for on-site fire protection equipment.

Fuel modification requirements are also established at the state level within Chapter 49 of the CFC, the Public Resources Code, and the Government Code, and particular emergency operation system requirements are regulated by the state as well.

The project will be subject to all of the mentioned requirements, including Chapter 7A of the CBC. The whole interior of the building will be protected by fire sprinklers, and any spaces too small for sprinklers will either be fire-blocked or filled with noncombustible material. Sprinklers would be connected to an on-site alarm system which is linked to the fire department providing instant notification. The building is based on a Type II-B construction and the floor of the showroom/ceiling of the service area will be concrete. Partition walls between the showroom and parking garage are required to be one-hour fire rated. The exterior cladding of the building is required to be noncombustible or ignition-resistant (as defined by the CBC), the roof will contain parking but would be required to have a Class A rating, which will normally prevent any burning debris that might land on the roof from igniting the structure, and any exterior vents will be designed to trap and extinguish burning embers. The drive aisle is 26 feet wide with no parking allowed along its length, which will allow adequate space for a fire truck to pass while another apparatus operates from the lane, and there is a turnaround area located between the showroom and carwash. An additional drive aisle leading to the vehicle storage lot will also provide firefighting access if needed. All building facades are accessible directly from the fire lane or are within reach of a fire hose (150 feet), and fire hydrants will be placed on or adjacent to the site per Los Angeles County Fire Department requirements.

B. The Project Site and Wildfire Influencing Factors

The frequency of wildfire in any location will be dependent on several factors such as topography, vegetation type and composition, fire return interval, wind and temperature. The project site is located at the northern edge of the City of Calabasas just south of the 101 Freeway, situated between three existing car dealerships approximately 0.5 mile west of Parkway Calabasas. Topographically speaking the site is located on the south side of the narrow east-west valley that runs between the foothills of the Simi Hills to the north and the Santa Monica Mountains foothills to the south, located just outside the San Fernando Valley to the east. The hill abutting the project site runs predominately east-west. The ridge and sections of the south side of the hill are developed with single-family homes. Below this subdivision further to the south is a golf course and a handful of more subdivisions located within a small valley and a nearby plateau. The north side of the hill, facing the project site, is undeveloped and bisected by drainages creating an undulating pattern along the north face. On the north side of the freeway there are two small hills adjacent to each other which rise up from the freeway and descend to the north into a moderately hilly area that is at the western edge of the San Fernando Valley. Development here continues at the western edge of the Simi Hills, defining the western edge of the valley.

At a broader scale, the Santa Monica Mountains proper rise up south of the project site and there is little development throughout. To the north, the Simi Hills divide the San Fernando, Simi, and Conejo Valleys. The roughly four-mile stretch of the freeway between the San Fernando Valley and Conejo Valley is sporadically developed, but for the most part is bordered by undeveloped hillsides. Prevailing winds in southern California come from offshore from the west, northwest, or southwest depending on location, and may reverse course in the evening during winter months.

Wildfire Influencing Factors

The direction a slope is facing, its aspect, determines in large part what kind of vegetation will be present on the slope, and the character of vegetation present influences the site's resiliency to wildfire, or lack thereof. The Santa Monica Mountains are a transverse range, meaning they generally run east-west. This orientation results in distinctly different conditions between the north and south slopes. North (and east) aspect slopes receive far less solar radiation than south (and west) aspect slopes, and therefore will tend to have lower temperatures throughout the year, retain more moisture, and have denser vegetation. This makes them generally less susceptible to uncontrolled wildfire relative to south aspect slopes. Increased density of vegetation does mean there is more potential fuel present on a north aspect slope, however, dense shading helps reduce soil temperature, which helps plants to retain moisture for longer into the year. South aspect slopes will generally be more sparsely vegetated and host a different mix of plant species. Besides the density and moisture content of vegetation, the type of vegetation present on a slope is a significant determining factor of a site's resiliency or susceptibility to wildfire. Non-native invasive plant species are present throughout southern California, and wherever they dominate a landscape susceptibility to wildfire will generally increase. Non-native invasive annual species are especially fire prone as they usually germinate, flower, and die more quickly than native species, and thereby result in tinder-dry landscapes earlier in the year. When these species come to dominate a landscape their quick lifecycles also outcompete native species and widespread regeneration of native plants is often not possible without human intervention. The most fire prone landscapes in southern California therefore tend to be areas that are dominated by non-native annual grasses and forbs. These areas are usually low in biological diversity, often dominated by a handful of invasive species, and as such fires can ignite readily and spread rapidly as all of the fuel is quickly and easily consumed.

A fire return interval is the number of years between fires at a location and/or for a particular plant community. Different plant communities have different average fire return intervals from each other, a result of prehistoric ecological development. For example, yellow pine forests common in northern California have a historic fire return interval range of between five to 40 years, while chaparral, common in coastal southern California, has a historic fire return interval range between 30 and 90 years, and coastal sage scrub, another dominant plant community in the area, has a historic fire return interval range between 20 and 120 years.[1] Fire return interval is important for a given location when it is wildly divergent from a normal range for the plant communities present. For the yellow pine forests of northern California a fire return interval exceptionally longer than 40 years will result in overly dense, structurally homogenous forests with too few large, fire-tolerant trees. When these places burn the fire is more severe than it would be otherwise, which can impact the forest's ability to regenerate, resulting in type conversion to shrub or grassland, or dominance of non-native species. Within chapparal and scrub communities of southern California a too frequent fire return interval can have a similar effect; the dominant native plant communities can fail to regenerate quickly enough and the land may become dominated by non-native grass and ruderal species. Such places are more vulnerable to wildfire as the landscape retains less water, the plants reproduce, grow, and dry out more quickly than natives, and thus a great deal of highly

[1] California Department of Forestry and Fire Protection Fire and Resource Assessment Program (FRAP), California's Forests and Rangelands 2017 Assessment, Table 4.1, August 2018

flammable, quick-burning fuel is produced on an annual basis. This is common on denuded hills in southern California where vegetation was removed historically for grazing cattle.

Santa Ana winds play a large role in wildfires throughout southern California. Fire season in a typical year in southern California runs from June to September, though in years of drought and Santa Ana winds wildfires will occur between October and April.[2] Santa Ana winds originate from the Great Basin and upper Mojave Desert, contrary to prevailing winds which come in off of the ocean. The winds move west across these dry land masses and then turn southwest as they drop from the higher elevations of the Transverse Ranges into coastal California. The winds increase in speed as they funnel through mountain passes, and gain in temperature as well. The result is strong, warm, very dry winds that sweep through the most heavily populated areas between the high desert and the ocean. In the vicinity of the project site the winds travel south and southwest and therefore during Santa Ana years north aspect slopes will be subject to more drying than usual. The largest fires in southern California tend to occur during Santa Ana years. The 2018 Woolsey Fire, which burned large areas to the northwest and southwest of the project site, occurred during a period of wind gusts up to 50 mph, after years of intense drought.[3] And the 1982 Dayton Canyon Fire, which had a similar but smaller footprint to the Woolsey Fire, occurred during a time of wind gusts up to 60 mph.[4] Since Santa Ana winds blow south/southwest wildfires during these events travel that same direction from their origin point. For instance, the Woolsey Fire began near Chatsworth in the Santa Susana Mountain range and traveled south and west until reaching the ocean.

The Project Site

The north-facing hillside behind the project site is dominated by native plant communities, with a few pockets of non-native grassland. The dominance of scrub oak and native shrubland communities on the slope is beneficial to the project site in regard to its protection and resiliency from uncontrolled wildfire. Even in extreme wildfire conditions the hillside will be less susceptible to uncontrolled wildfire in comparison to a north aspect slope dominated by non-native vegetation, or a south-aspect slope experiencing the same conditions. The lower portion of the site contains oak trees, but the understory is dominated by non-native ruderal species where previous earth-moving activities have taken place, such as where there is terracing or older hardscape. These areas will be more susceptible to wildfire, however, fuel modification activities and new landscaping behind the proposed facility will reduce the vulnerable area significantly. Post-construction the lowest portion of the hillside will still contain non-native understory, but it will be confined between the new structures, hardscape, and irrigated landscaping to the north, and the largely intact hillside to the south. The hillside behind the site is somewhat disconnected from areas of intact open space with the presence of the freeway and surrounding development, which is a positive benefit in terms of potential exposure to wildfire.

[2] Jin, et al., Environmental Research Letters, Identification of Two Distinct Fire Regimes in Southern California: Implications for Economic Impact and Future Change, September 8, 2015.

[3] County of Los Angeles After Action Review of the Woolsey Fire Incident, November 2019.

[4] Abcarian, Los Angeles Times, Some Flames are Best Seen from an Armchair, October 23, 1996.

The site has not experienced much wildfire according to state fire records, which begin in 1878. Only two wildfires have reached the property, an unnamed wildfire in 1958, and the 1970 Golf Course Fire. The 1958 wildfire reached the southwest corner of the project parcel, primarily burning areas southwest of the site. The 1970 Golf Course Fire burned the area now occupied by the subdivision south of the site and the golf course located below it, and the hillside behind the project site from the site to Parkway Calabasas. Other wildfires have come within one mile of the project site, a total of 14, though most have been small and isolated, with eight under 200 acres and two more under 500 acres. Two of the larger wildfires were between 3,000 and 4,300 acres, and the largest two wildfires the Dayton and Woolsey Fires at 43,097 and 89,551 acres. The majority of small wildfires have been to the north and northwest of the project site in the more denuded hillsides on the north side of the freeway. Half of the fires within a one-mile radius occurred prior to 1980.

The lack of wildfire activity at the project site is not surprising given the location and character of the site and the influencing factors described above. The site will of course be subject to wildfire threat in the future as any location within the wildland urban interface (WUI) would be. However, the site is less threatened than it would be if it were adjacent to a denuded hillside dominated by non-native annual plants, or located adjacent to an exposed, south-facing slope. Protection of the site during a wildfire event should also be straight-forward under most circumstances. A wildfire occurring during a Santa Ana wind event will generally spread to the southwest as the winds blow that direction. The only potential threat of wildfire directly north or northeast of the project site are the two small hills on the opposite side of the freeway as the San Fernando valley lies to the north and northeast. Those two hills are small, relatively isolated, and contain primarily fast-burning non-native annuals. A wildfire originating there would threaten the project site in that embers may travel across the freeway, but the buildings will be fire-hardened, the landscaping irrigated, and the amount of highly flammable non-native annual cover minimal. Therefore, a wildfire originating in those two small hills would be highly unlikely to result in an uncontrolled wildfire on the opposite side of the freeway.

A large Santa Ana driven wildfire originating further north or northwest of the project site where there is substantially more fuel would present a risk to the project site, however, it is well positioned to avoid or survive such a fire. This has been demonstrated recently with the 2018 Woolsey Fire. The fire occurred during Santa Ana winds after several years of drought and was one of the largest fires in the region consuming nearly 97,000 acres, but it did not reach the project site despite beginning six miles north of it at the former Santa Susana Field Laboratory. It burned into the surrounding open space and then traveled south, crossing the freeway at points one and three miles west of the project site. At this time it was moving so quickly it reached the ocean within the same day it crossed the freeway, yet it was stopped from spreading east to the project site roughly one-half mile west of the site. This was possible because the winds were driving the fire away from the project site. These same basic conditions will be present whenever there is a Santa Ana wind event. The San Fernando valley is flat and winds travel in a straight line without interruption, making Santa Ana winds highly predictable. In November of 2023 when this report was being researched a Santa Ana event occurred and winds flowed in a southwest direction through the valley with very

little variation within a 72 hour period, as would be expected.[5] This pattern protects the project site from the most destructive and dangerous wildfires since there is no substantive open space to the north or northeast of the site, and makes protection of the site relatively predictable and reproducible during Santa Ana drive wildfires.

Since most fires are caused by human activity it is of course possible that a wildfire could occur near the project site during more usual conditions when the wind isn't actively moving a fire away from the site, but the project would continue to be highly protectable. Fire naturally moves more rapidly uphill than across a flat area, as radiant heat from a fire at the base of a slope preheats the vegetation above it, which allows a fire to consume fuel more quickly and spread uphill. Protecting development at the base of a north-aspect hillside is therefore a relatively simple proposition. Wildland vegetation in the immediate vicinity of the project site is all located on a slope. The slopes closest to the proposed facility are not steep but sans wind blowing north a wildfire would more naturally spread south away from the facility. This would be true if a fire occurred during normal conditions or during conditions that were otherwise conducive for wildfire outside of a Santa Ana event (low humidity, high heat, drought). The fuel modification zone will extend 200 feet out from the facility structures, and irrigated landscaping will extend approximately 90 feet out from the main structure. Both areas will be highly resistant to conflagration and the parking areas and access driveways behind the facility will provide ample space for firefighting activities if necessary. Outside of times of extreme weather conditions or drought the native vegetation on the slopes should not burn catastrophically and a localized wildfire should be containable. If conditions were perfect for wildfire the hillside could be engulfed, however, fire would still be most likely to travel up the slope and away from project facilities, and the buildings would still be defensible as there is room to do so and structures will be designed to withstand burning embers.

C. Evacuation

Evacuations are a unique phenomenon because streets are not designed to accommodate all vehicles within an area all at once. Emergency agencies do their best to direct evacuations to avoid mishap, but in extreme circumstances there can be a rush of people from all directions. In a case where essentially every vehicle within an area is on the roadway at once, such a scenario is an extraordinary, temporary, and rare emergency circumstance. It isn't practical to design roadways or road networks to accommodate such an event, and emergency evacuations by their nature will always be an alarming, though extremely rare, situation. Reducing the potential occurrence of people being subjected to a dangerous emergency evacuation scenario is therefore a matter land use. Simply put, there are certain physical conditions that will make a location more or less safe when it comes to possible emergency evacuation proceedings.

A project embedded deep within wildlands that is far from an urban area will experience difficult and potentially dangerous evacuations during an emergency situation regardless of circumstances. A project located close to an urban area or major roads or freeways, far less so. Therefore, amongst

[5] NOAA National Weather Service, Graphical Forecasts, Southern California, wind speed & direction between November 21, 2023 7AM EST to November 23, 2023 4PM EST. Accessed on November 21, 2023 at: https://graphical.weather.gov/sectors/southcalifornia.php

properties within FHSZ areas, these physical conditions will be most likely to reduce evacuation complications and allow for successful evacuation:

- Adequate fire access to the site;
- Non-wildland areas a short distance away on a major evacuation route, and;
- Not surrounded by wildland vegetation.

With these physical conditions in place, a new use should experience relatively easy evacuation proceedings should they occur, and that ease should keep the use from interfering with broader evacuation efforts. The project site is not enclosed by wildland vegetation and is located less than one-quarter mile from a freeway offramp and in close proximity to the San Fernando Valley including areas that are not designated as a FHSZ or WUI.

According to the project traffic study peak traffic entering the site would amount to 65 vehicles between the peak morning hours of 7 a.m. and 9 a.m., and peak traffic leaving the site would be 70 vehicles between the peak evening hours of 4 p.m. and 6 p.m. Although the trip estimates do not directly translate to the number of people being present at once on an average basis, it is reasonable for discussion purposes to suppose that the number of employee and visitor vehicles on site may number up to 70 during the peak of a busy day. As all of these vehicles would have quick and direct access to the freeway and a very short drive out of any potential danger zone the presence of the facility would not be expected to overwhelm evacuation proceedings should they occur during a busy workday.

D. Site Assessment Summary

The context of the site combined with the regulatory fire/wildfire safety measures results in a project that would not unduly contribute to wildfire risk or the negative secondary effects of wildfire. The project would also be relatively well positioned to avoid serious damage if there was a wildfire in the hillside behind it.

Wildfire History

- The wildfire history of the area suggests that direct threat of wildfire at the site would be infrequent, and the most severe wildfires unlikely to seriously threaten the project site despite the increase in fire severity. If a wildfire occurred during extreme wildfire conditions with Santa Ana winds fire spread and intensity would likely be in a southwesterly direction which favors protection of the site. The location and character of the project site as well as its surroundings would provide favorable conditions for protection of the site during wildfires outside of extreme conditions.

Open Space

- Vegetated areas behind the project site are mostly covered with native scrub oak and shrubland. This, plus the north orientation of the slope means the bulk of the hillside is comparatively less susceptible to wildfire than open space that has been denuded of native vegetation, such as the hills to the northwest of the project site. The lower slopes of the adjacent hill have some thinly vegetated areas dominated by nonnative annuals and nonnative understory beneath oaks, however, those areas are either encircled by native

vegetation or sandwiched between the development and native vegetation. All of these factors are favorable for wildfire safe development on the site.

Site and Structure Design

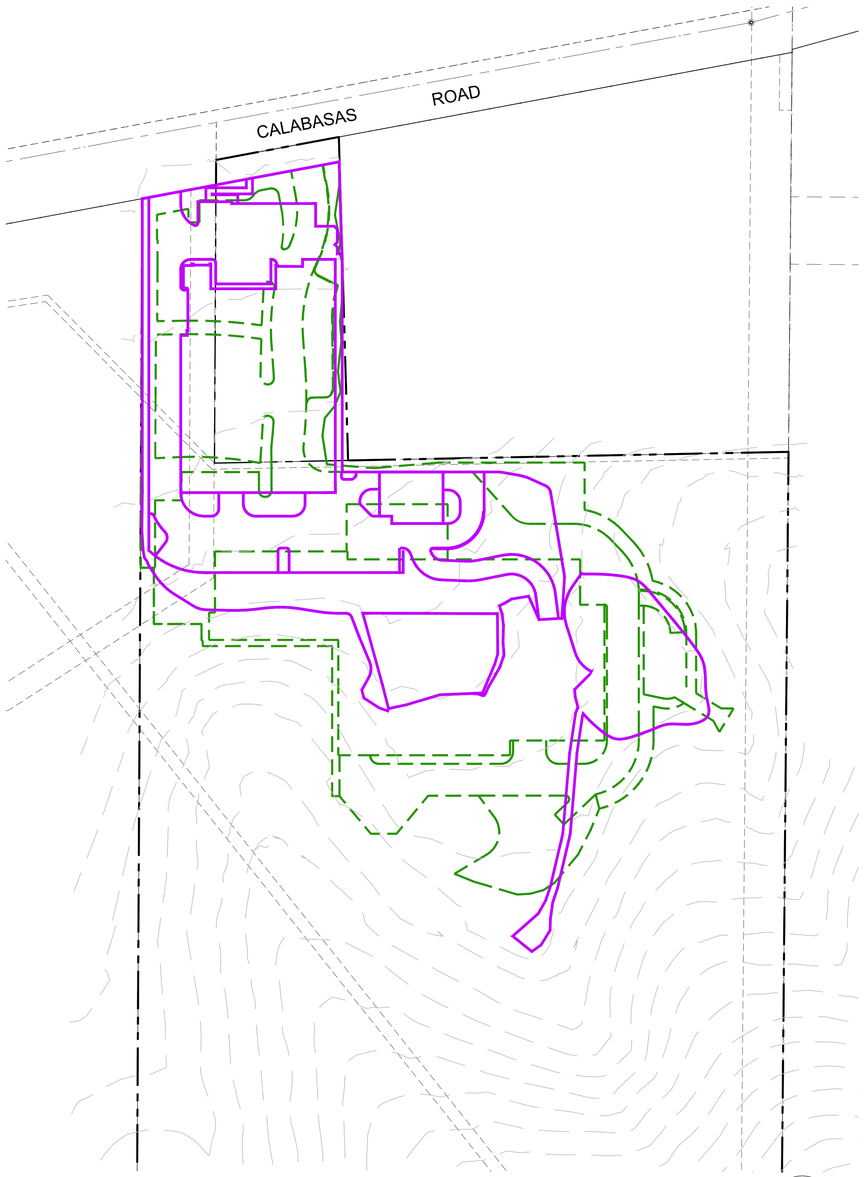
- The proposed development would place structures close to the road and buffered from the hillside to the south by a fire access lane and irrigated landscaping. Structures are of concrete construction and fire-hardened according to the requirements of CBC Chapter 7A and will be protected from embers, ash, or other burning debris blowing onto the property, and the main building is fully sprinklered. Fire lanes provide adequate access for firefighting operations, and hydrants will be provided per Los Angeles County Fire Department requirements to ensure sufficient water and water pressure during emergencies. The project is located very close to the freeway and will allow quick dispersal during an emergency and quick access for firefighting operations. In addition, Los Angeles County Fire Department Station 68 is less than one-half mile away at 24130 Calabasas Road. Fuel modification activities will extend 200 feet from the structures and require approval from the fire department.

E. Evidentiary Support

- All the buildings will be fire-sprinklered, which significantly reduces fire risk. Information from the U.S. Fire Administration's National Fire Incident Reporting System and the National Fire Protection Association indicate that in structural fires where sprinkler systems were present (within the 2010 to 2014 study period), death rates were 87 percent lower than those without, the firefighter injury rate was 67 percent lower, and sprinklers were effective at controlling the fire in 96 percent of the fires in which they operated.[6]

- Although the project is within the WUI it is a commercial operation that will not introduce a significant population of users even during peak visitation that may overwhelm roadways during an emergency. The project will develop the lower portions of the site which have already been disturbed, replacing areas of non-native annual vegetation with fire-hardened structures, hardscape, and irrigated landscaping, effectively decreasing fire risk for the property itself and the adjacent properties. Despite its presence in the WUI, the project is nonetheless an infill development as the stretch of land between Parkway Calabasas and Mureau Road has been partially developed in the flat portions at the base of the hillside. Since development is already present, filling in the gap that is the subject property is an appropriate measure to reduce wildfire risk for this strip of developable land at the base of the hillside.

[6] Ahrens, National Fire Protection Association, U.S. Experience with Sprinklers, July 2017.



COMPARISON OF CURRENT PROJECT WITH 2015 NISSAN PROJECT
SCALE: 1" = 50'

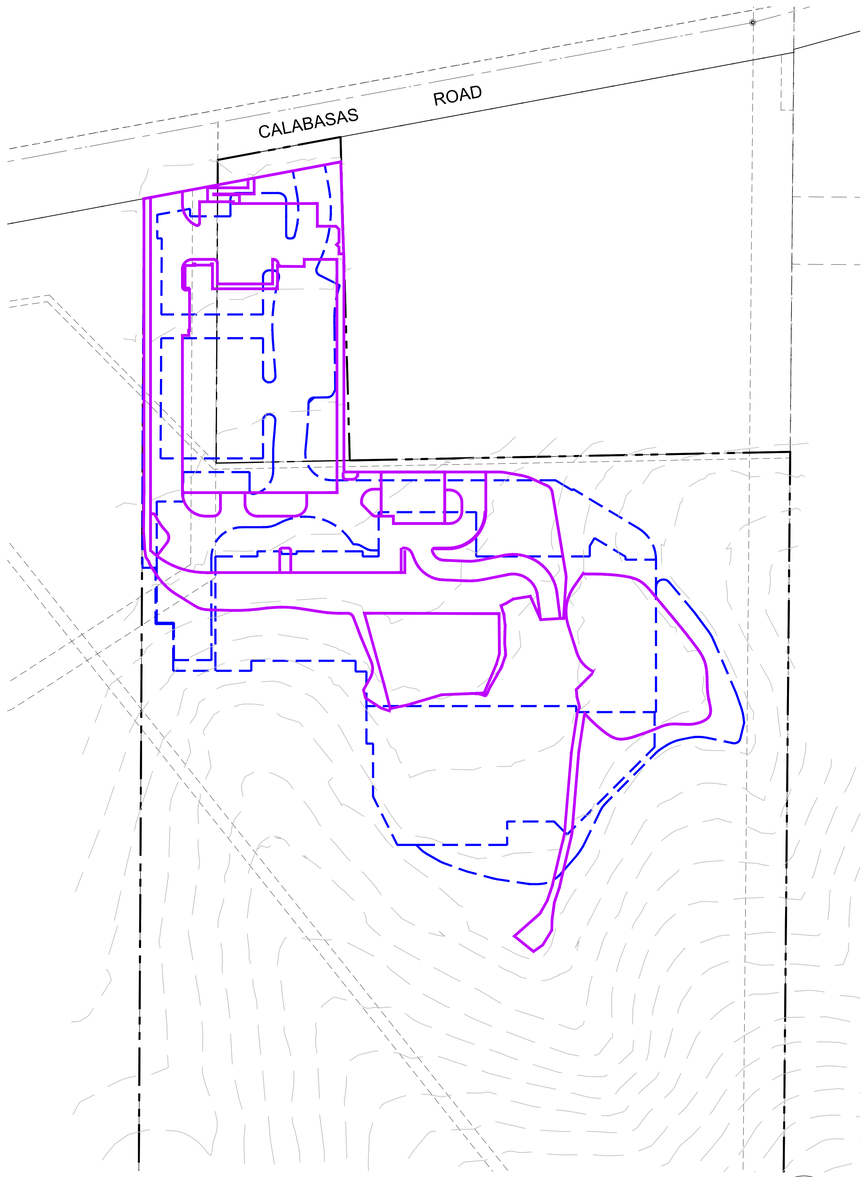
LEGEND:

- Subject Parcel Boundary
- Proposed Project Limits
- Previous 2015 Project Limits
- Existing Easements
- Existing Street Centerlines

NORTH

0 25 50 100
GRAPHIC SCALE: 1" = 50'
@ 30x42

COMPARISON OF DESIGN IMPACTS		
	2015 PROJECT	2023 PROJECT
LIMIT OF WORK (SF)	137,198	96,776
EARTHWORK - CUT (CY)	58,000	
EARTHWORK - FILL (CY)	2,800	
OAK TREE REMOVALS	21	3
MAX RETAINING WALL HEIGHT	25-ft	6-ft



COMPARISON OF CURRENT PROJECT WITH 2018 JAGUAR PROJECT
SCALE: 1" = 50'

LEGEND:

- Subject Parcel Boundary
- Proposed Project Limits
- Previous 2018 Project Limits
- Existing Easements
- Existing Street Centerlines

NORTH

0 25 50 100
GRAPHIC SCALE: 1" = 50'
@ 30x42

COMPARISON OF DESIGN IMPACTS		
	2018 PROJECT	2023 PROJECT
LIMIT OF WORK (SF)	136,536	96,776
EARTHWORK - CUT (CY)	39,000	
EARTHWORK - FILL (CY)	5,000	
OAK TREE REMOVALS	18	3
MAX RETAINING WALL HEIGHT	10-ft	6-ft

FOR CONCEPTUAL APPROVAL ONLY

Prepared By:

DIAMOND WEST

civil engineering • land surveying • land planning
23801 Calabasas Road, Suite 1034
Calabasas, CA 91302
Phone: (818) 591-1050
www.diamondwest.net

PLAN REVISION DESCRIPTIONS

PREPARED BY OR UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM C. CUNNINGHAM
No. 80129
Exp. 09/30/24
CIVIL
STATE OF CALIFORNIA

PRELIMINARY

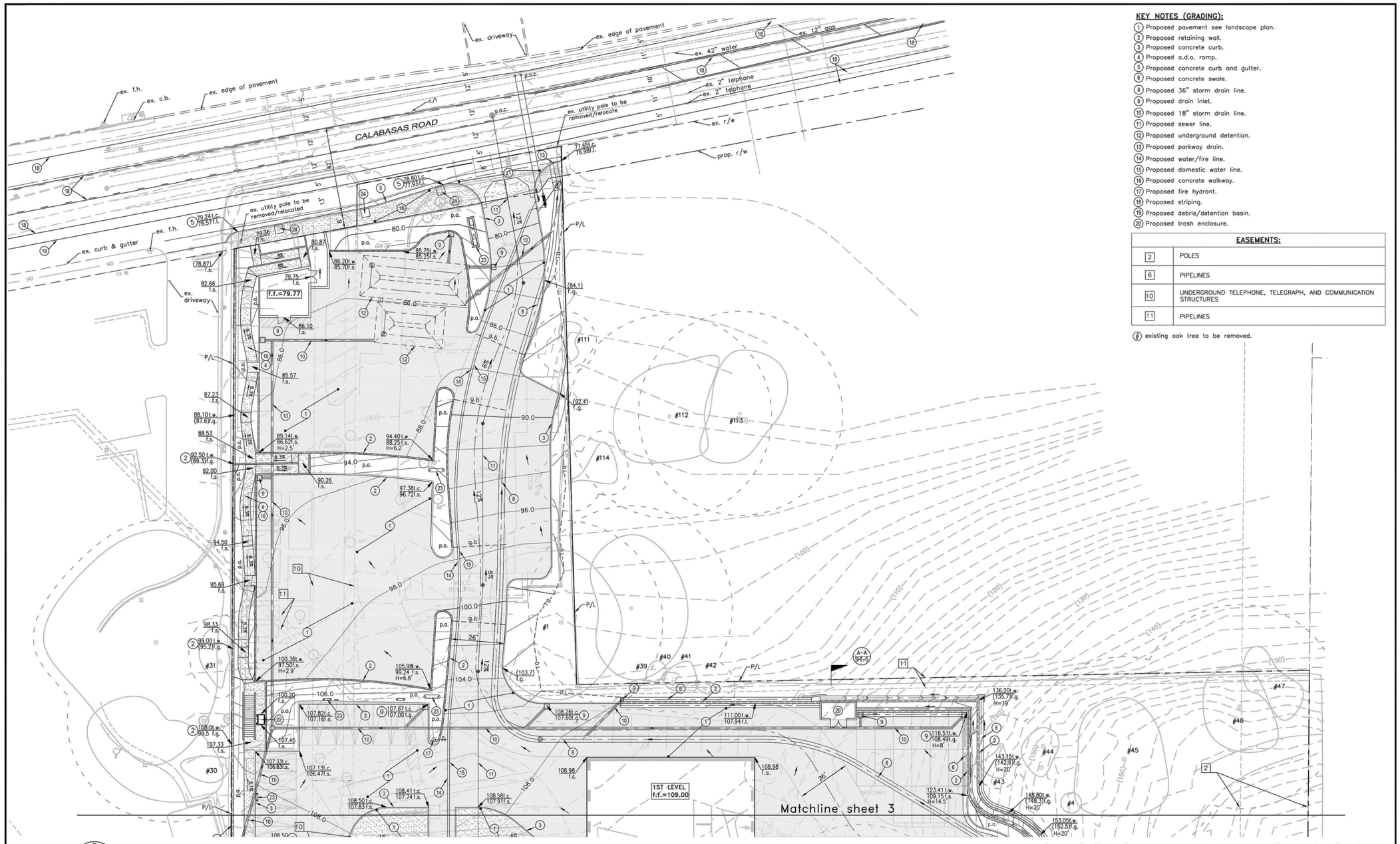
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ADDRESS:
CALABASAS KIA
24460 CALABASAS ROAD,
CALABASAS CA, 91302

SHEET TITLE:
DESIGN COMPARISON EXHIBIT

SHEET NO.
1
OF 4 CIVIL SHEETS

DATE: 2023-04-04



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KEY NOTES (GRADING):

1. Proposed pavement see landscape plan.
2. Proposed retaining wall.
3. Proposed concrete curb.
4. Proposed a.d.a. ramp.
5. Proposed concrete curb and gutter.
6. Proposed concrete swale.
8. Proposed 36" storm drain line.
9. Proposed drain inlet.
10. Proposed 18" storm drain line.
11. Proposed sewer line.
12. Proposed underground detention.
13. Proposed parkway drain.
14. Proposed water/fire line.
15. Proposed domestic water line.
16. Proposed concrete walkway.
17. Proposed fire hydrant.
18. Proposed striping.
19. Proposed debris/detention basin.
20. Proposed trash enclosure.

EASEMENTS:	
2	POLES
6	PIPELINES
10	UNDERGROUND TELEPHONE, TELEGRAPH, AND COMMUNICATION STRUCTURES
11	PIPELINES

(#) existing oak tree to be removed.

NORTH

(IN FEET)
1 inch = 20 ft.

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CITY of CALABASAS
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PREPARED FOR:
SLEVIN CAPITAL DEVELOPMENT
24 PENTWATER DRIVE
SOUTH BARRINGTON, IL 60010

GRADING PLAN

24460 CALABASAS ROAD
CALABASAS, CA 91302

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CHECKED BY:
DRAWN BY:
SCALE:
SHEET NO. 4 of 9

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Exp. 09/30/24
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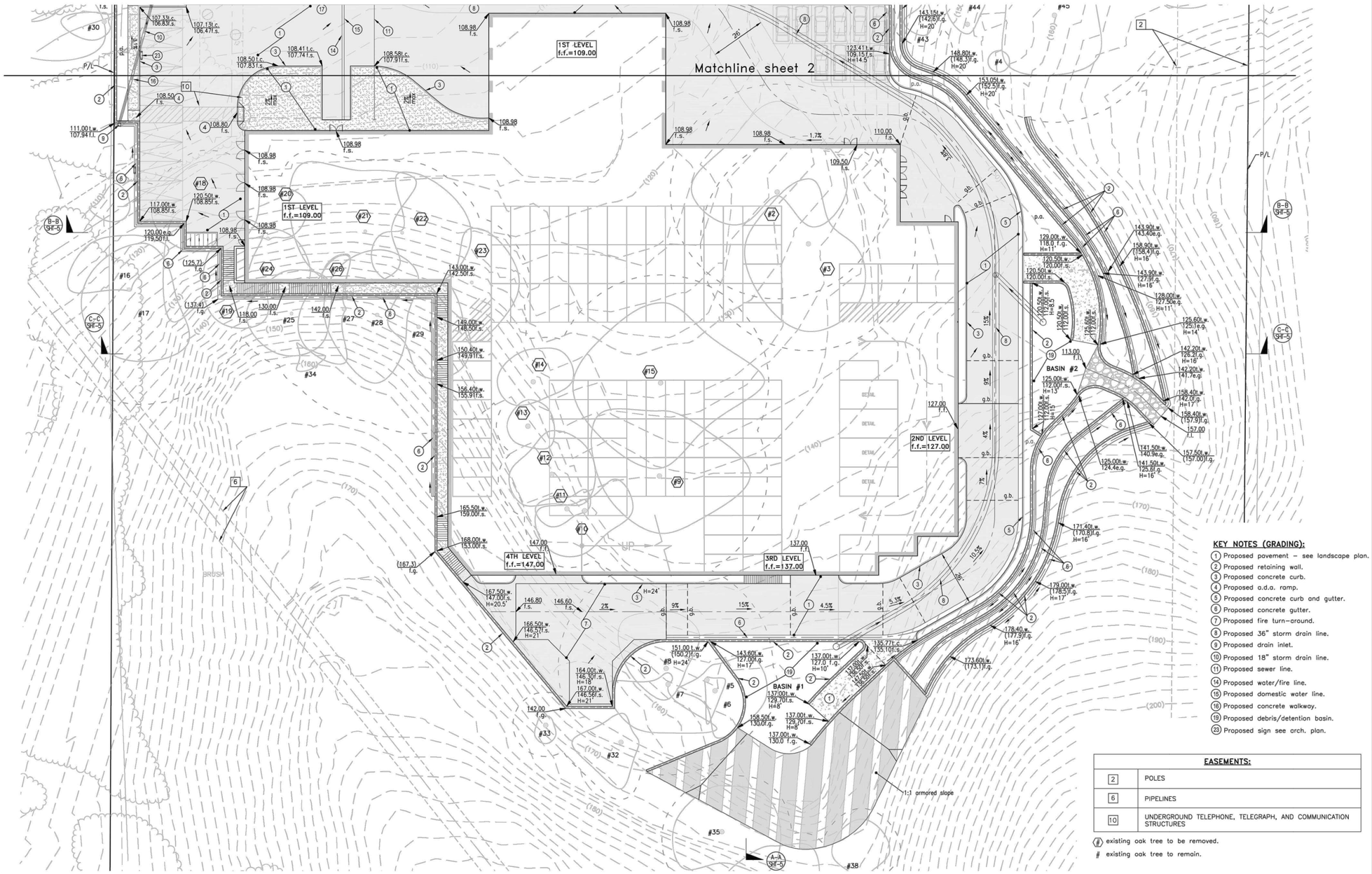
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CALABASAS KIA
24460 CALABASAS ROAD,
CALABASAS CA, 91302

SHEET TITLE:
2015 GRADING PLAN
(NISSAN DEALERSHIP) -
NORTH HALF

SHEET NO.
2

OF 4 CIVIL SHEETS

DATE: 2023-04-04



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(IN FEET)
1 inch = 20 ft.

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24 PENTWATER DRIVE
SOUTH BARRINGTON, IL 60010

GRADING PLAN

24460 CALABASAS ROAD
CALABASAS, CA 91302

DESIGNED BY:
CHECKED BY:
DRAWN BY:
SCALE:
SHEET NO. 5 of 9

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PREPARED BY OR UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER WILLIAM C. CUNNINGHAM No. 80129 Exp. 09/30/24 CIVIL STATE OF CALIFORNIA

PRELIMINARY

SIGNATURE: DATE:

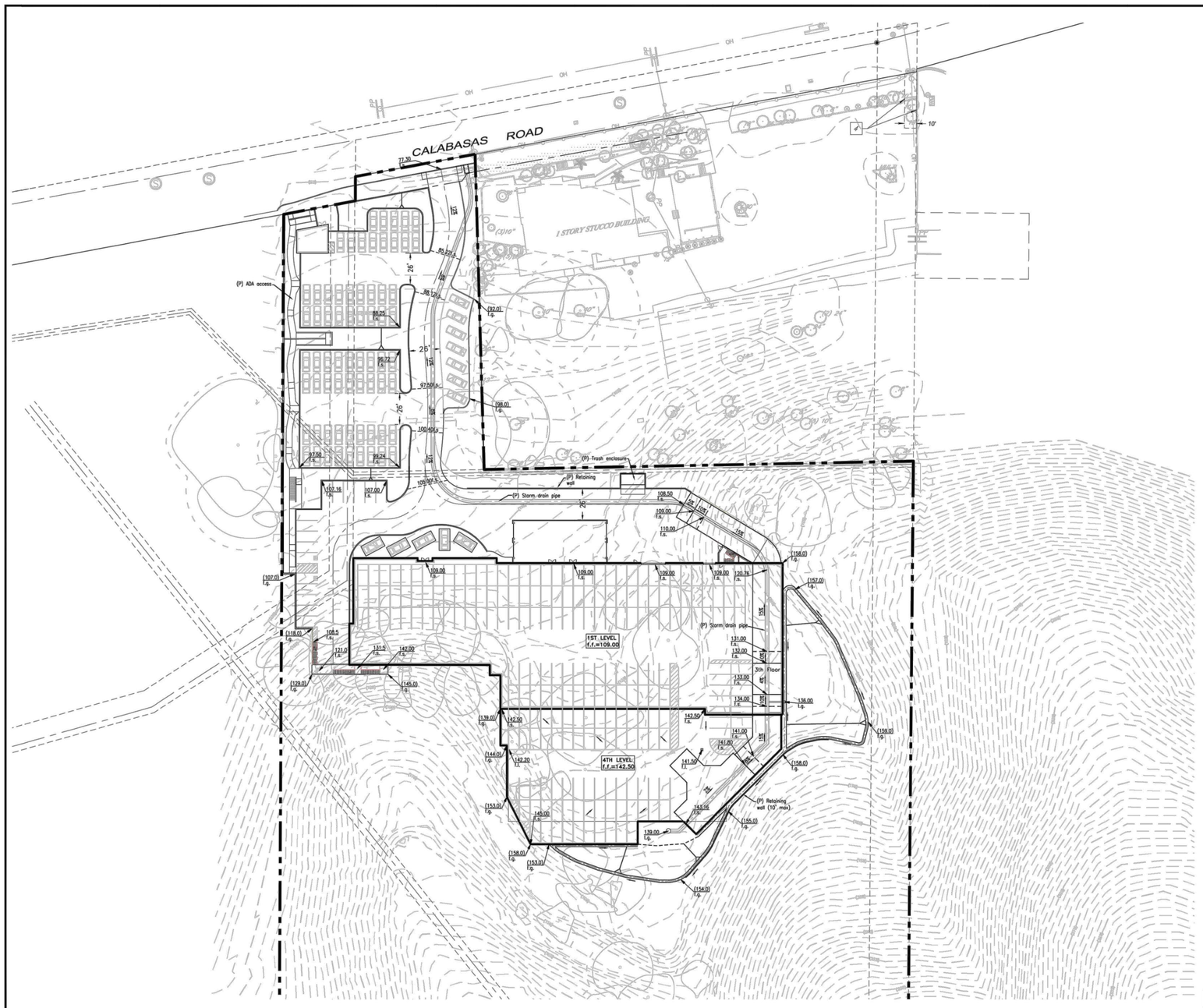
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CALABASAS KIA
24460 CALABASAS ROAD,
CALABASAS CA, 91302

SHEET TITLE:
2015 GRADING PLAN
(NISSAN DEALERSHIP) -
SOUTH HALF

SHEET NO.
3

OF 4 CIVIL SHEETS

DATE: 2023-04-04



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CALABASAS, CA 91302

DESIGNED BY:
CHECKED BY:
DRAWN BY:
SCALE:
SHEET NO.
1 of 1

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REGISTERED PROFESSIONAL ENGINEER
WILLIAM C. CUNNINGHAM
No. 80129
Exp. 09/30/24
CIVIL
STATE OF CALIFORNIA

PRELIMINARY

SIGNATURE: DATE:

ADDRESS:
CALABASAS KIA
24460 CALABASAS ROAD,
CALABASAS CA, 91302

SHEET TITLE:
2018 GRADING PLAN
(JAGUAR DEALERSHIP)

SHEET NO.
4

OF 4 CIVIL SHEETS

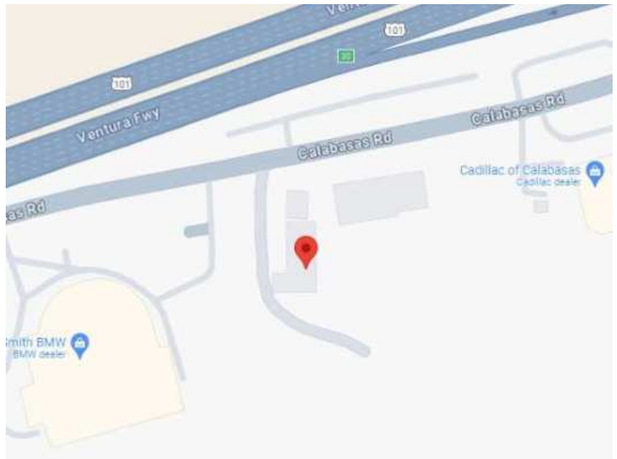
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Exhibit L

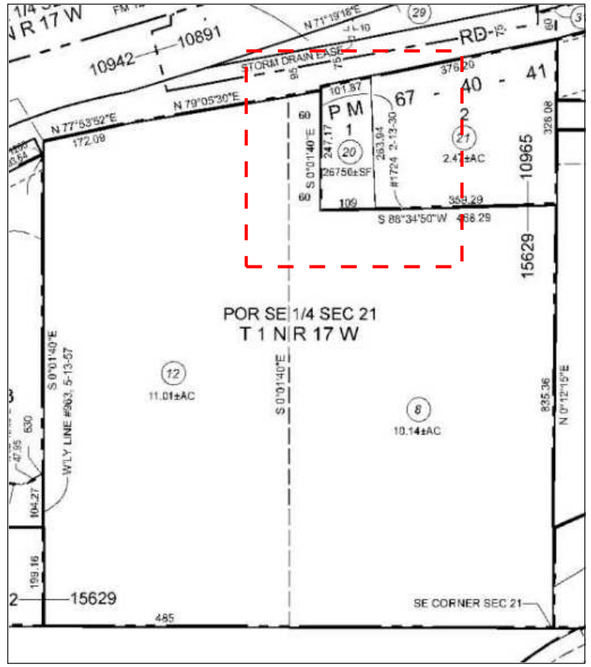
Hello KIA of Calabasas

24460 Calabasas Rd.
Calabasas, CA 91302

SIGN PROGRAM







APN: 2069-009-008 & 020

Property Owner:
Hello Auto Holdings, LLC
24111 Creekside Rd.
Valencia Rd., CA 91355

SHEET INDEX

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Fax: 818.566.1821
www.megahertzsign.com

Hello KIA of Calabasas
Location:
24460 Calabasas Rd.
Calabasas, CA 91302

Date: 04/22/24
Salesperson: Rob Clark
Coordinator:
Designer:
Scale: As Noted

Revisions

1 04-07-25 Reduce Sign Area

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Customer Signature Date

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THIS SIGN IS INTENDED TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 600 OF THE NATIONAL ELECTRIC CODE AND/OR OTHER APPLICABLE LOCAL CODES. THIS INCLUDES PROPER GROUNDING AND BONDING OF THE SIGN.

Drawing Number: 00-00000
Work Order Number: 00000
Sheet: 1 Of : 16

INTRODUCTION

The purpose of this Sign Program is to insure that all signage be consistent with the project owner's intention to create a visually appealing yet functional professional environment, and also to ensure the design and production quality of all sign with the project.

The signs specified herein shall be related to their surroundings in terms of size, shape, color, and material, as well as illumination, in order to complement the overall design of the building and not compete visually with other signs in the area.

GENERAL GUIDELINES

1. Conformance to the standards specified herein will be strictly enforced. Designated tenants will be responsible for the design, installation and maintenance of their sign(s). Scratched or damaged paint, improperly installed signs, or building damage as a result of sign installation must be replaced or repaired within thirty (30) days of occurrence at the sole expense of the tenant. Signs shall be removed by tenant at the end of their lease, and the fascia repaired to a like-new condition.

2. No sign shall be painted directly onto the building wall or other surface of any building.

3. Sale signs, special announcements, posters, banners, sandwich boards, or any non-permanant signs are not permitted. Temporary banner permits can be obtained from the Planning Department subject to certain regulations and Planning Department approval.

4. No sign shall be constructed or maintained to flash, rotate, or in any way simulate motion or create sound.

5. No sign shall be constructed or located as to constitute a nuisance or in any way be detrimental to adjoining uses.

6. Should discrepancies occur regarding specifications contained herein relating to signage, the City of Calabasas Sign Ordinance shall control.

7. The Planning Director shall have the final authority on interpretations regarding fonts, colors, and language in this Sign Program.

PROHIBITED SIGN TYPES

Consistent with Calabasas Municipal Code Section 17.30.040, the following signs are prohibited:

A. Abandoned signs that advertise or otherwise identify a business or activity which has been discontinued on the premises for a period of ninety (90) days or more;
B. Animated, moving, flashing, blinking, reflecting, revolving, digital screen, or any other similar moving or simulated moving signs;
C. Bus stop bench signs or any copy painted on any portion of a bus stop bench;
D. Billboards and other off-site signs, except where allowed by Section 17.30.030;
E. Cabinet (can) signs with translucent plastic faces and internal illumination;
F. Inflatable signs, balloons, pennants, streamers and flags, except where allowed by Section 17.30.030;
G. Neon signs;
H. Permanent pole-mounted signs except where allowed by Section 17.30.030;
I. Roof-mounted signs;
J. Signs on public property or in a public right-of-way, except as provided in Section 17.30.030(A) and (C);
K. Signs tacked, nailed, posted, pasted, glued, or otherwise attached to trees, poles (including utility and street name), stakes, electrical transformers, or other accessory structures. Whenever a sign is so posted, the sign itself shall constitute prima facie evidence that the person or business identified on the sign authorized its placement;
L. Signs painted on fences or roofs;
M. Signs that simulate in color or design a traffic sign or signal, or which make use of words, symbols or characters in a manner to interfere with, mislead or confuse pedestrian or vehicular traffic;
N. Temporary signs, including pedestal signs, "A" frame signs and sandwich boards, except as allowed by this chapter and the Old Town Master Plan;
O. Temporary Vehicle-Mounted or Trailer-Mounted Signs. Signs on vehicles are allowed on vehicles, without sign permits, only when the copy or message (I) relates only to the business or establishment of which the vehicle itself is a part; (ii) pertains to the sale, rent, lease or hire of such vehicle; or (iii) is a noncommercial message. Vehicles displaying signs may not be parked for the primary purpose of commercial advertising. Vehicles may not be used as mounting or holding devices for commercial signs. This provision shall not apply to public transportation vehicles;
P. Service station ancillary advertising signs located on the exterior of any structure or equipment. Such ancillary advertising signs include business card kiosks and other displays that advertise businesses, services, or products not located on the site.

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Revisions

CUSTOMER APPROVAL

Customer Signature Date

COPY, COLORS & SIZES

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Drawing Number: 00-00000
Work Order Number: 00000
Sheet: 2 Of : 16

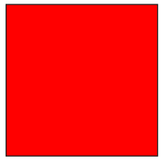
PERMITTED SIGN TYPES

A. Illuminated channel letters & logos
B. Non-illuminated channel letters & logos
C. Directional signs
D. Window signs

PERMITTED SIGN MATERIALS

A. Formed Acrylic
B. Fabricated Aluminum
C. Formed Polycarbonate
D. Perforated Day/Night Vinyl
E. Opaque Vinyl
F. Painted Aluminum
G. Milled Aluminum
H. Milled Plastic

PERMITTED SIGN COLORS



Paint:
Kia Midnight Black



Paint:
Kia Metallic Silver



Day/Night Vinyl:
Kia Metallic Silver



.040 Anodized
Aluminum

SIGN AREA TABLE

ID#	SIGN TYPE	ILLUM?	LOCATION	MAX. SIZE	MAX. AREA 1	DESCRIPTION
N01	Ground	Y	Entrance Drive	20'h x 6'-6"w	105.51 SF	Internally-Illum. D/F Pylon
N02	Wall	Y	North Elevation	42"h x 14'-10 3/4"w	52.13 SF	Halo-Lit Channel Logo
N03	Wall	Y	North Elevation	30"h x 10'-10 1/8"w	27.11 SF	Internally-Illum. Channel Letters (“HELLO”)
N04	Wall	Y	North Elevation	12"h x 6'- 5/11"w	6.47 SF	Internally-Illum. Channel Letters (“DELIVERY”)
N05	Wall	Y	West Elevation	30"h x 10'-7 5/8"w	26.58 SF	Halo-Lit Channel Logo
N06	Wall	Y	West Elevation	18"h x 8'-2 3/4"w	12.34 SF 1	Internally-Illum. Channel Letters (“SERVICE”)

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Fax: 818.566.1821
www.megahertzsign.com

Hello KIA of Calabasas
Location:
24460 Calabasas Rd.
Calabasas, CA 91302

Date: 04/22/24
Salesperson: Rob Clark
Coordinator:
Designer:
Scale: As Noted

Revisions

1 04-07-25 Reduce Sign Area

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Work Order Number: 00000
Sheet: 3 Of : 16



N

Scale: 1" = 50'

Proposed Signs

N01 **KUSPS20 Pylon**
105.51 Sqft
Page 5

N02 **KUSWL42 Wall Sign**
52.13 Sqft
Pages 7, 8, 11 & 12

N03 **KUSDNL30 Dealer Name Letters**
27.11 Sqft
Page 13 & 14

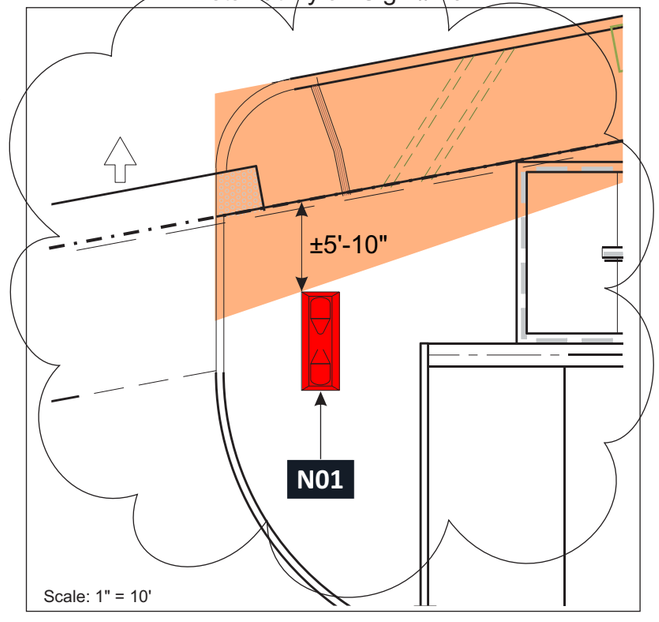
N04 **KUSDLV12 Delivery Letters**
6.47 Sqft
Page 13 & 15

N05 **KUSWL30 Wall Sign**
26.58 Sqft
Pages 9, 10, 11 & 12

N06 **KUSSVC18 Service Letters**
12.34 Sqft
Page 13 & 16

Total sqft of all building-mounted signs: 125'

Detail at Pylon Sign #N01



Scale: 1" = 10'

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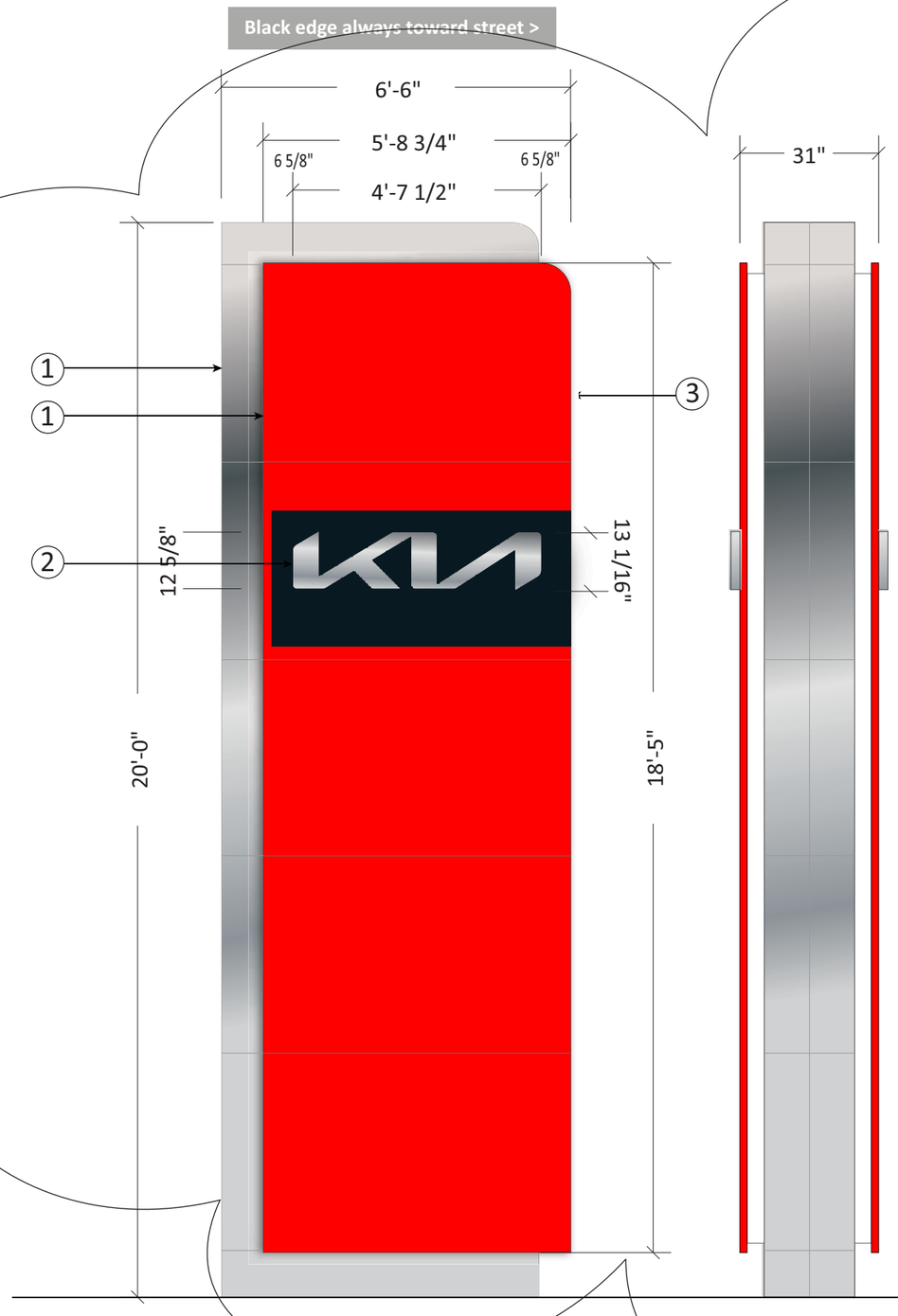
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Sheet: 4 Of : 16



Specifications

Will require new foundation.
Dealer to provide electrical prior to installation.

1. Cladding – 4MM Kia Black and Metallic Silver ACM
2. Kia Wordmark – Milled Aluminum and Plastic "Sandwich" Design with 7100K LED illumination thru edge of fller
3. Black edge always toward street >
* Accent Lighting – 7100K LED illumination with 7328 White Polycarbonate Lens

Colors

- Black Kia ACM – Kia Midnight Black
- Metallic Silver Kia ACM – Alfrex Exotic Mica
- Accent Lighting Lens – 7328 White
- LED – 7100K White Illumination

See Engineering Drawings for footing details.

KUSPS20 - INTERNALLY-ILLUM. D/F PYLON
Scale: 3/8" = 1'-0"

Logo: 5 Sq. Ft.
Total: 105.51 Sq. Ft.

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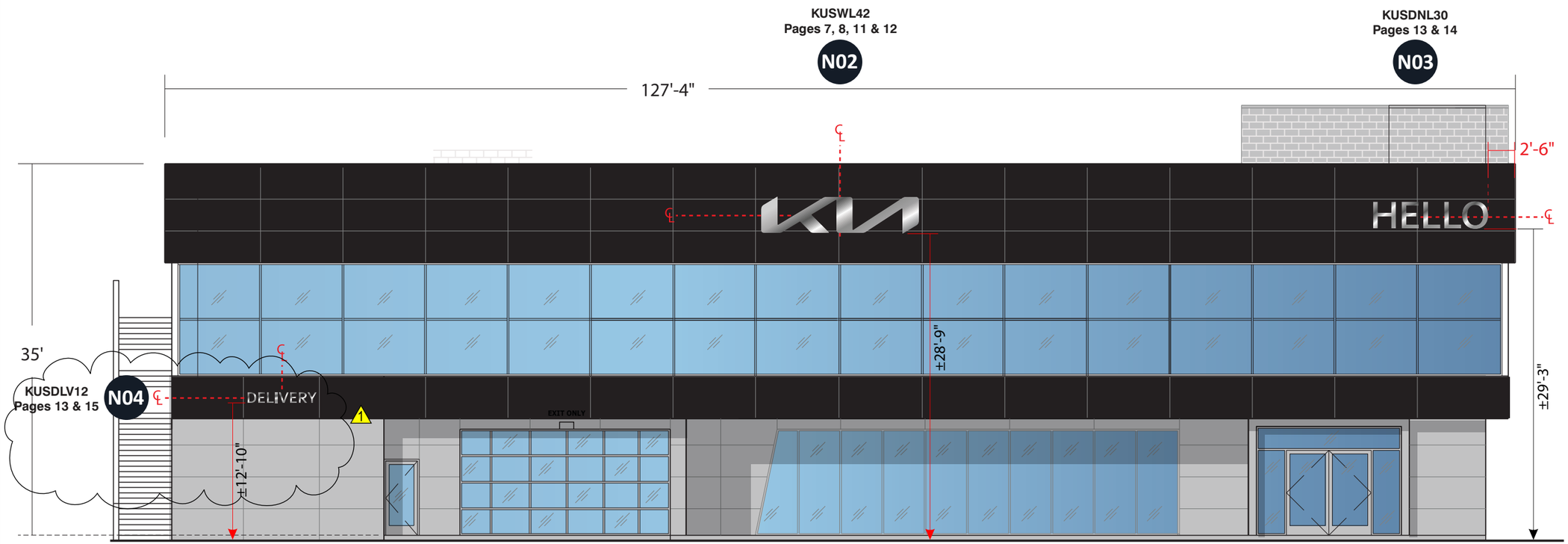
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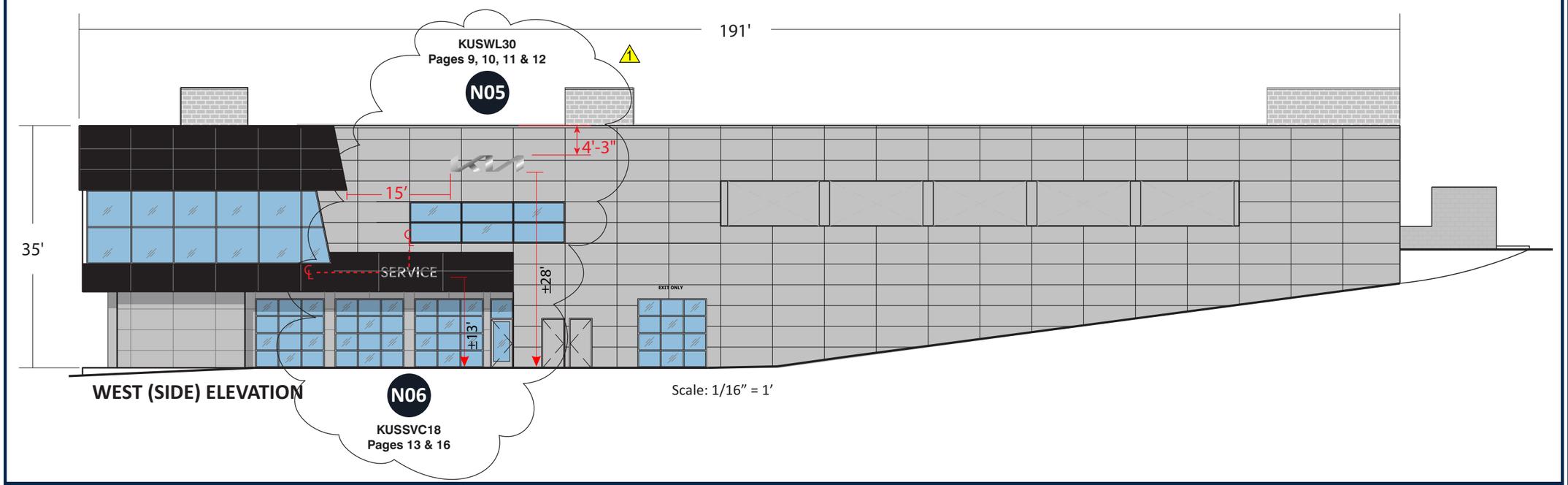
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NORTH (FRONT) ELEVATION

Scale: 3/32" = 1'



WEST (SIDE) ELEVATION

Scale: 1/16" = 1'

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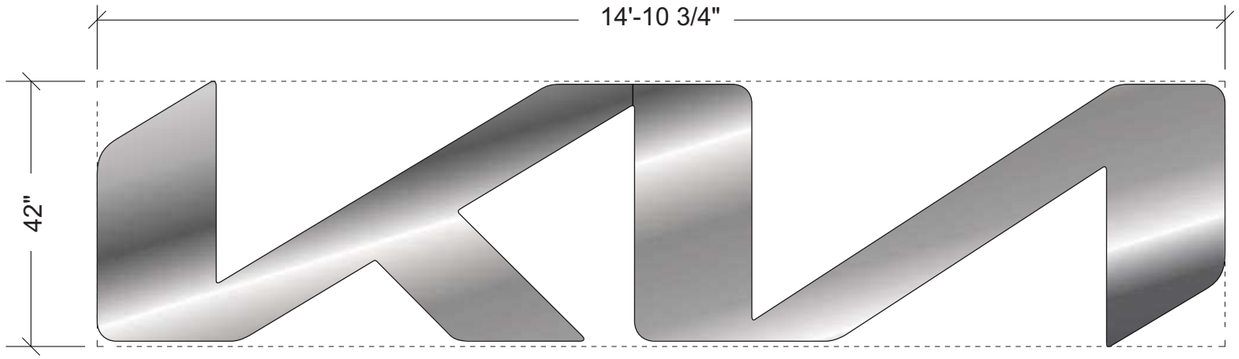
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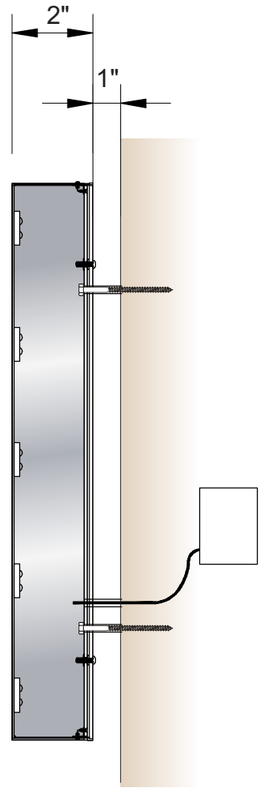
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Sheet: 6 Of : 16



KUSWL42 - HALO-LIT CHANNEL LOGO

Scale: 1/2" = 1'-0" 52.13 SF



Side View
(NTS)

Specifications

Faces - .125" Fabricated Aluminum painted KIA Metallic Silver
Returns - .063" Fabricated Aluminum painted KIA Metallic Silver
Stand-offs - 1-1/4" Spacers cut from WB tubes, painted KIA Metallic Silver
Backs/Edge Light Band - .220" Clear Acrylic mounted over .177" Clear Polycarbonate
Illumination - 7100K LED with Remote Power Supplies
Dealer to provide electrical prior to installation.

Colors

All Aluminum is painted KIA Metallic Silver
Edge Light Band - Clear Acrylic
LED - 7100K White Illumination

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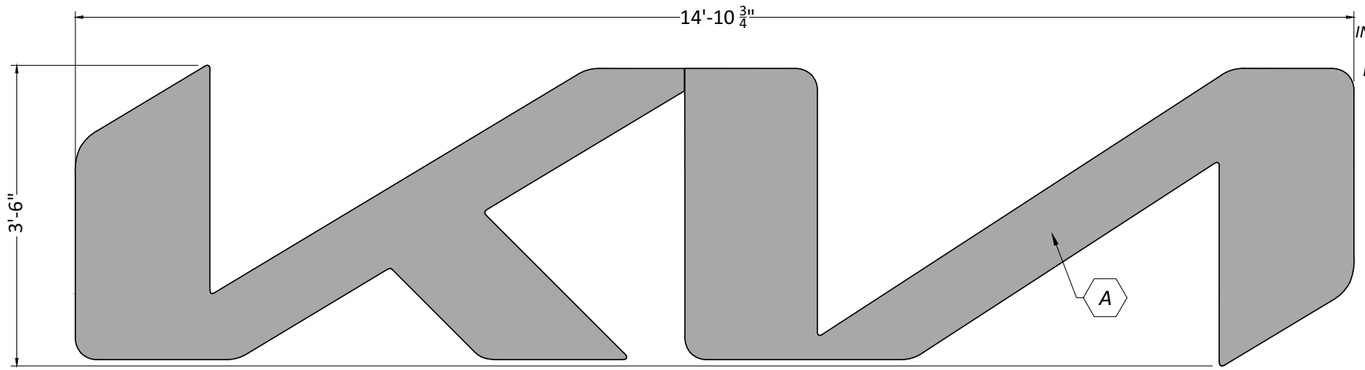
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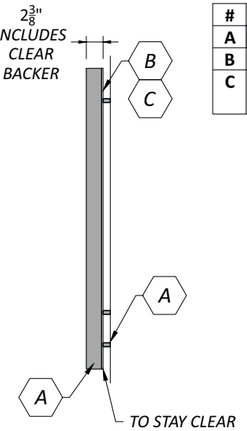
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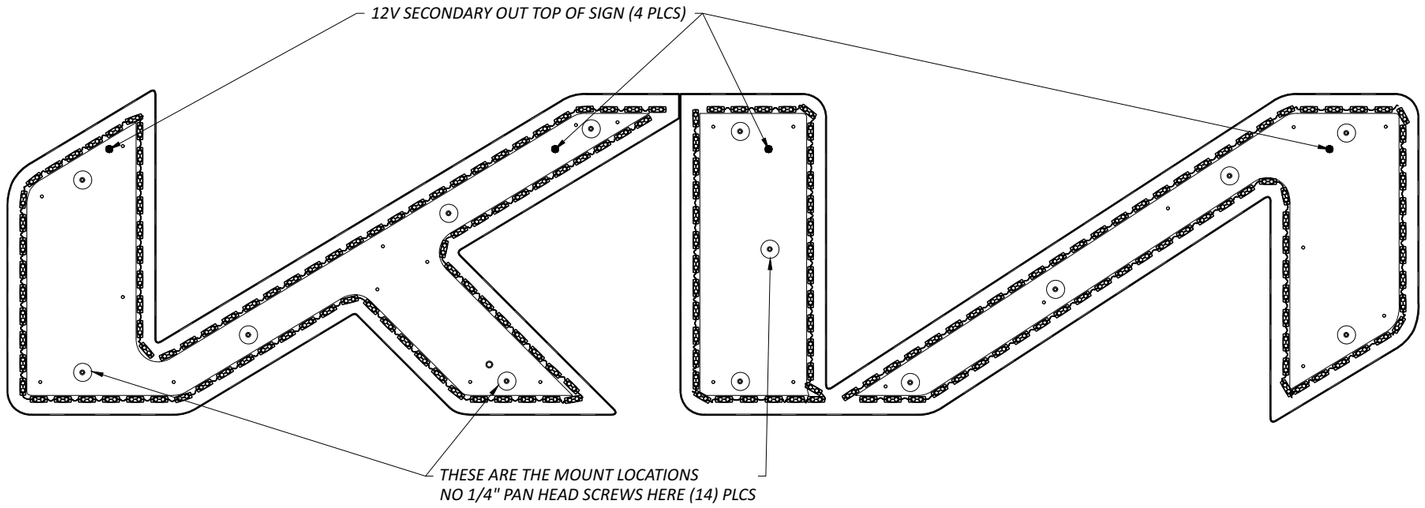
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Sheet: 7 Of : 16

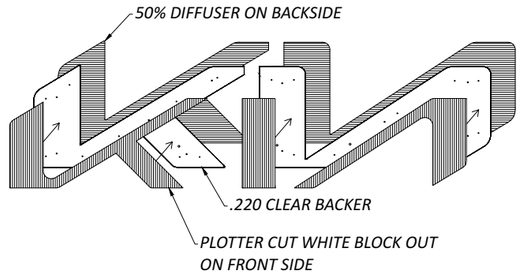




#		Colors:
A		PAINT: KIA SILVER
B		VINYL: 50% DIFFUSER (BACKSIDE OF .220 CLEAR)
C		VINYL: 3635-20B WHITE BLOCK OUT (FRONT SIDE OF .220 CLEAR)

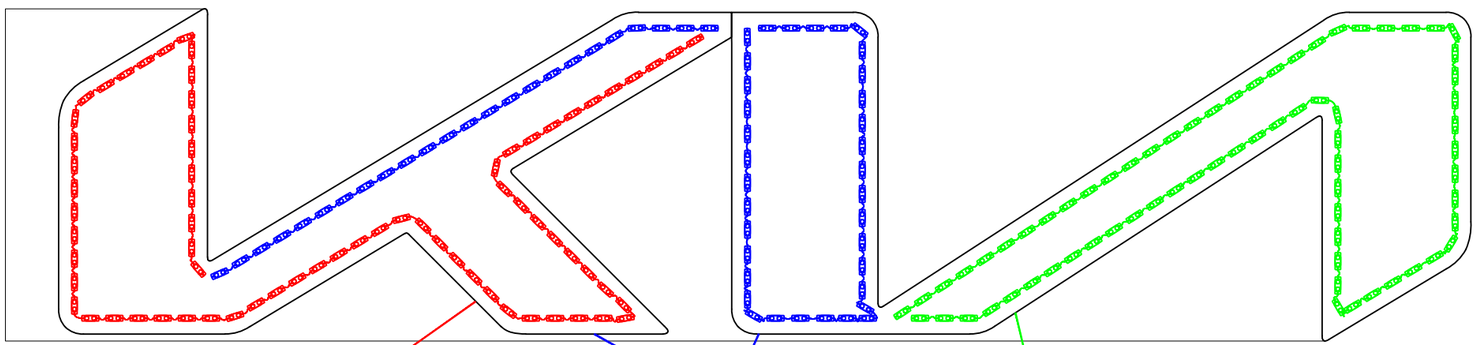
**** 42" SET TO BE MADE IN 2 PCs ****





KUSWL42 - HALO-LIT CHANNEL LOGO

Not to Scale



200 mods: CUST Principal Qwik Mod 2 (PL-QM2-TW150-P)

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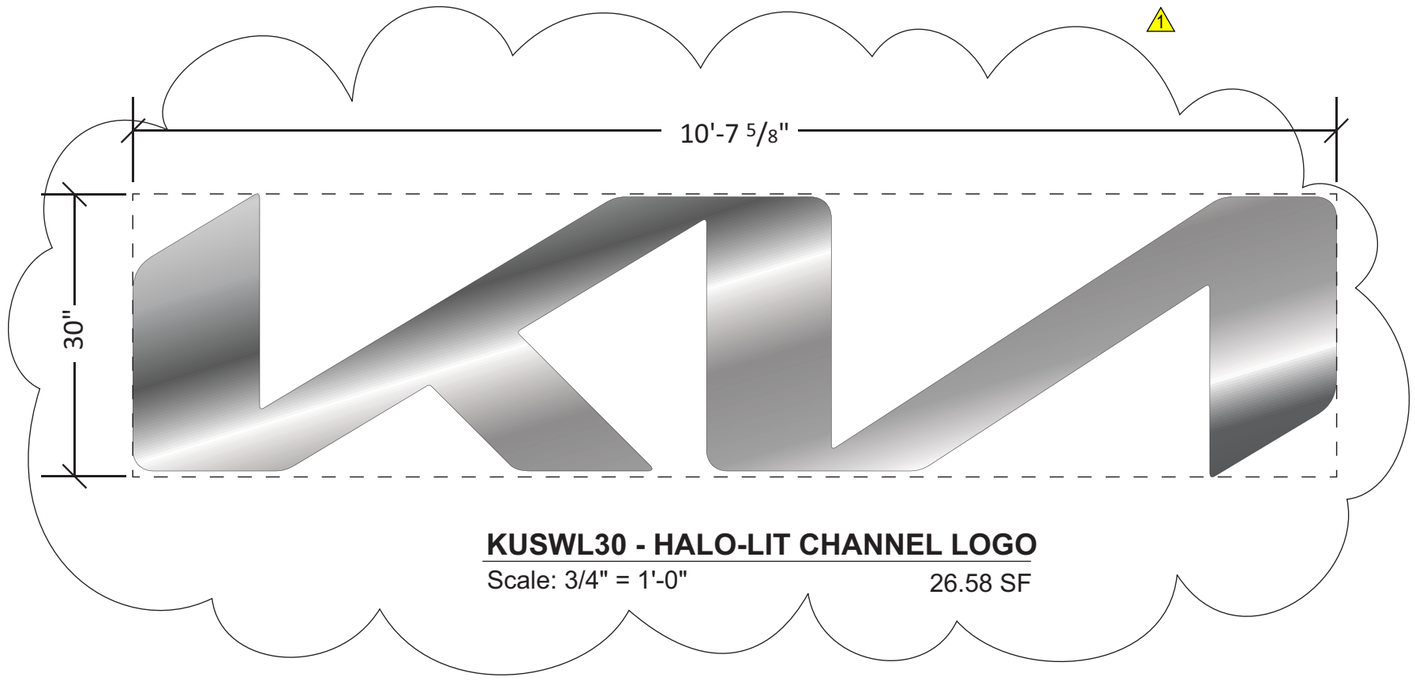
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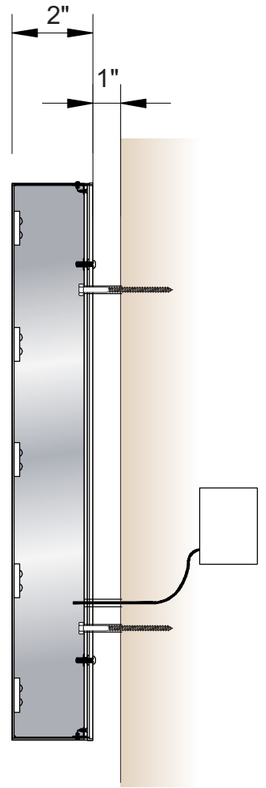
Work Order Number: 00000

Sheet: 8 Of : 16



KUSWL30 - HALO-LIT CHANNEL LOGO

Scale: 3/4" = 1'-0" 26.58 SF



Side View
(NTS)

Specifications

Faces - .125" Fabricated Aluminum painted KIA Metallic Silver
Returns - .063" Fabricated Aluminum painted KIA Metallic Silver
Stand-offs - 1-1/4" Spacers cut from WB tubes, painted KIA Metallic Silver
Backs/Edge Light Band - .220" Clear Acrylic mounted over .177" Clear Polycarbonate
Illumination - 7100K LED with Remote Power Supplies
Dealer to provide electrical prior to installation.

Colors

All Aluminum is painted KIA Metallic Silver
Edge Light Band - Clear Acrylic
LED - 7100K White Illumination

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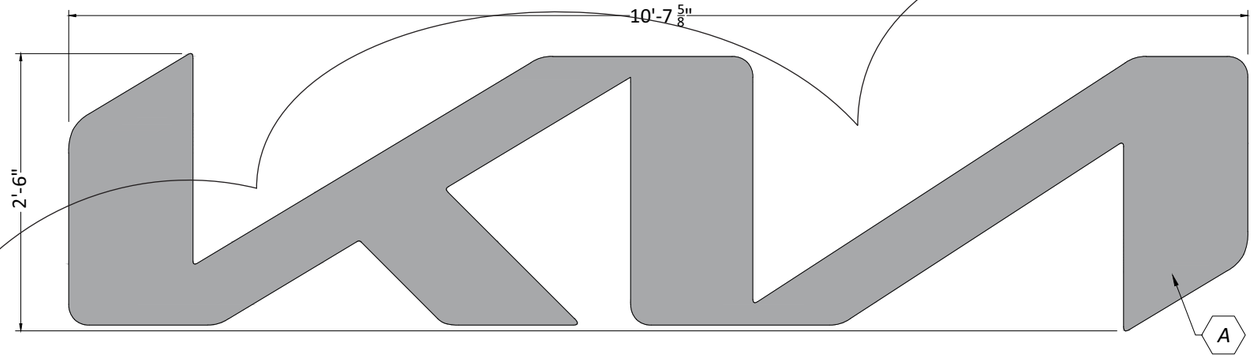
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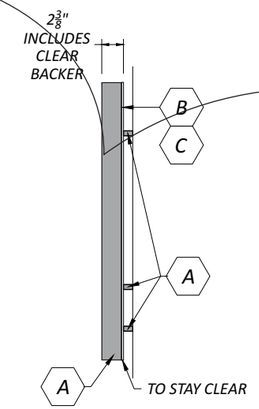
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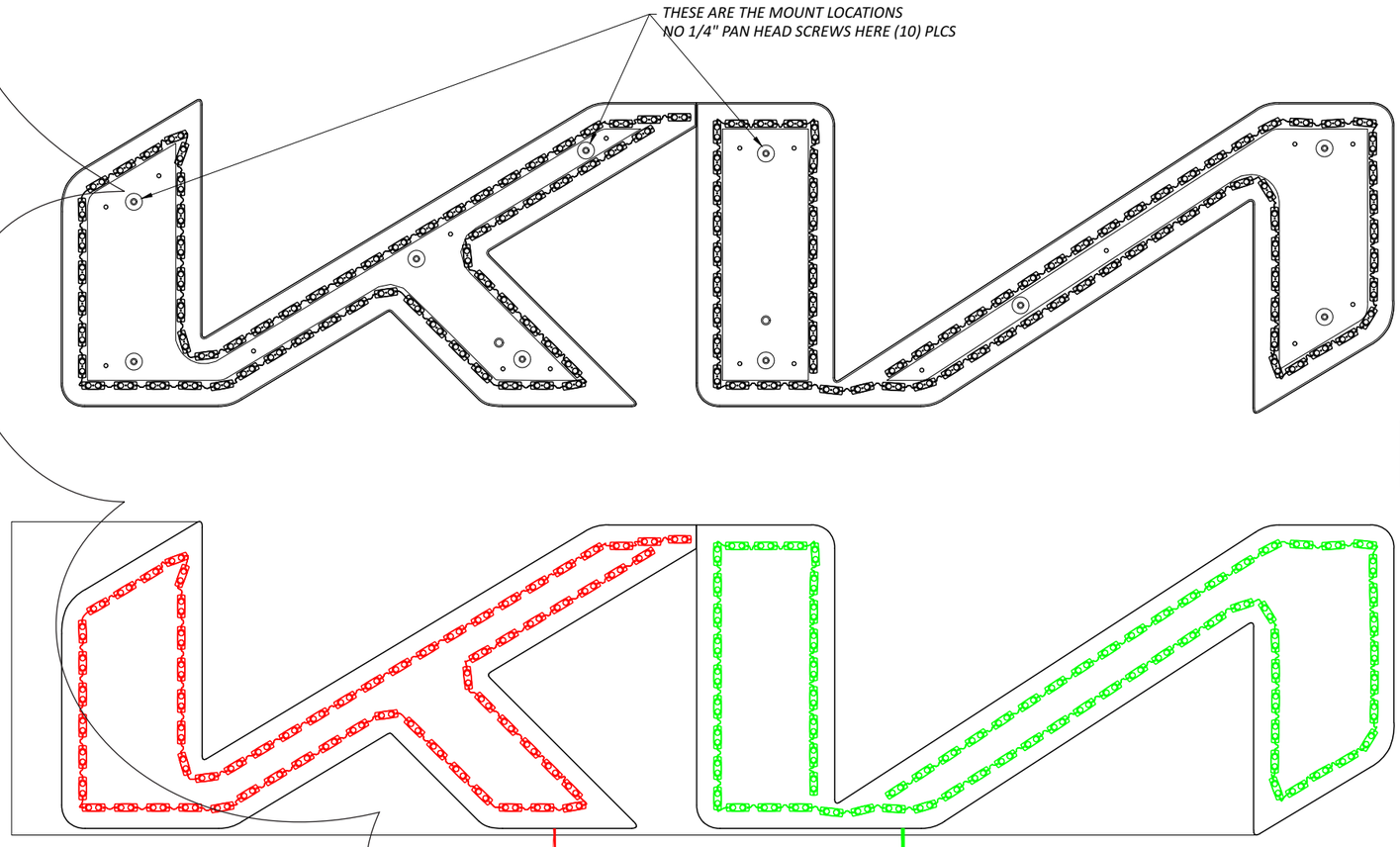


KIAUSSF4A30003

30" KIA WALL LETTERS - NEW KUSWL30

INSTALLATION:	-	**INTERIOR**	X	**EXTERIOR**	
ELECTRICAL SPECIFICATIONS:				*WEIGHT:*	*80 lbs*
VOLTS:	*120 VAC*	**AMP:**	*2.0 A*	**CIRC:**	*1*

ITEM	PART NO.	DESCRIPTION	QTY
1	----------	.125 ALUMINUM FACE	xxxxx
2	----------	.063 ALUMINUM COIL RETURNS	xxxxx
3	----------	.177 CLEAR POLY BACK	xxxxx
4	----------	.220 CLEAR ACRYLIC BACK	xxxxx
5	----------	.063 ALUM. ROUTED CLIPS	xxxxx
6	----------	1/4" RIVET NUTS	xxxxx
7	----------	1/4" PAN HEAD BOLTS w/ WASHERS	xxxxx
8	----------	3/8" LAG SCREWS (MIN. 3" EMBED/4 PER LTR)	xxxxx
9	----------	1-1/4" SPACERS (CUT FROM WB TUBES)	xxxxx
10	----------	PRINCIPAL QWIK MOD 2 6500K LEDs	xxxxx
11	----------	PRINCIPAL 60W POWER SUPPLY	xxxxx
12	----------	POWER SUPPLY BOX w/ DISCONNECT SWITCH	xxxxx
13	----------	WALL BUSTER	xxxxx

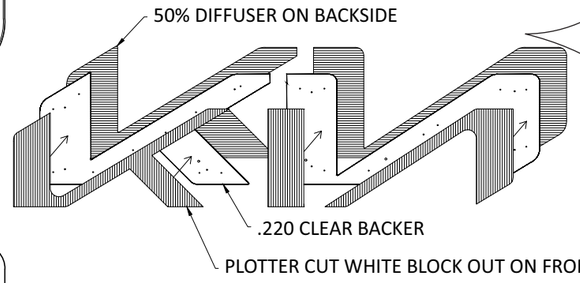


141 Modules: Principal - Qwik Mod 2 Custom KIA - Qwik Mod 2 - PL-QM2-TW150-P

(2) 60W PRINCIPAL POWER SUPPLY

#		Colors:
A		*PAINT: KIA SILVER*
B		*VINYL: 50% DIFFUSER (BACKSIDE OF .220 CLEAR)*
C		*VINYL: 3635-20B WHITE BLOCK OUT (FRONT SIDE OF .220 CLEAR)*

PROCESS FOR .220 CLEAR BACKERS



KUSWL30 - HALO-LIT CHANNEL LOGO

Not to Scale

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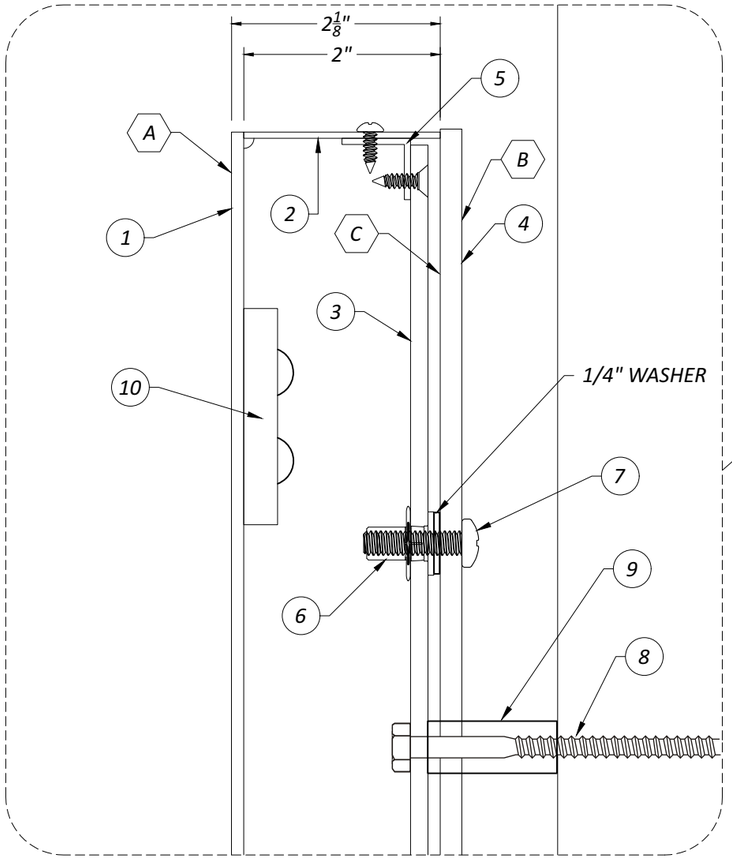
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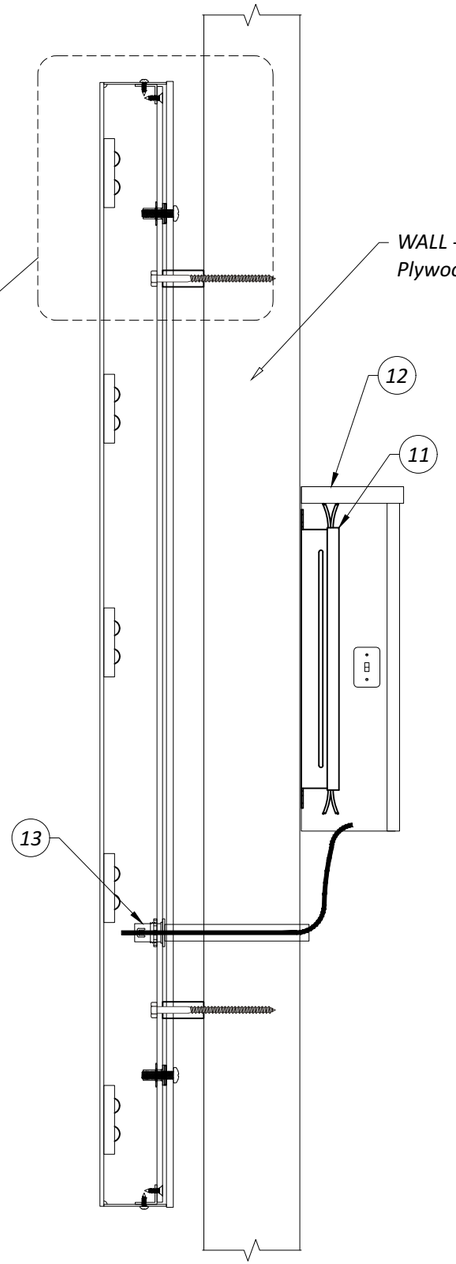
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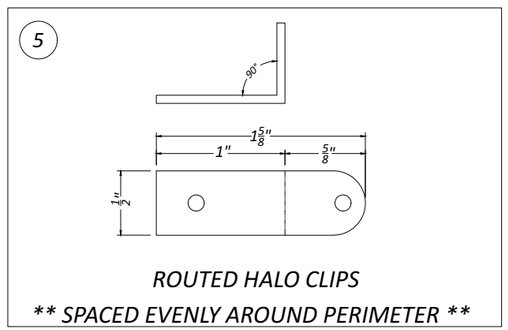
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Work Order Number: 00000

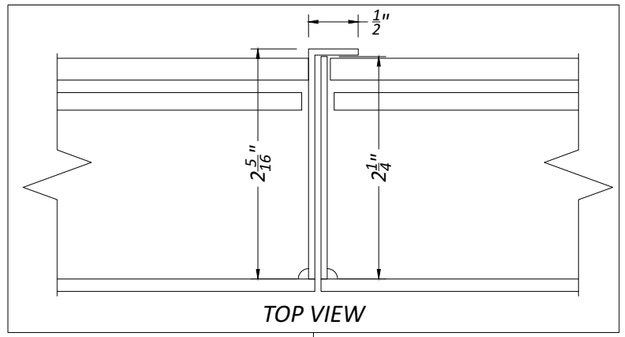
Sheet: 10 Of: 16



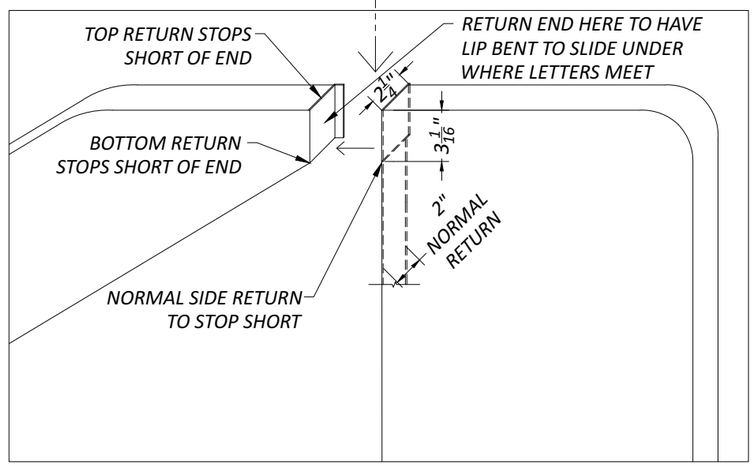




ROUTED HALO CLIPS
** SPACED EVENLY AROUND PERIMETER **



TOP VIEW



DETAIL OF WHERE "K" & "I" MEET

KIAUSSF4A30002

KIA WALL LETTERS - NEW
KUSWL

INSTALLATION:	-	**INTERIOR**	*X*	**EXTERIOR**	
ELECTRICAL SPECIFICATIONS:				*WEIGHT:*	*0000 lbs*
VOLTS:	*120 VAC*	**AMP:**	*3.0 A*	**CIRC:**	*1*

ITEM	PART NO.	DESCRIPTION	QTY
1	----------	.125 ALUMINUM FACE	xxxxx
2	----------	.063 ALUMINUM COIL RETURNS	xxxxx
3	----------	.177 CLEAR POLY BACK	xxxxx
4	----------	.220 CLEAR ACRYLIC BACK	xxxxx
5	----------	.063 ALUM. ROUTED CLIPS	xxxxx
6	----------	1/4" RIVET NUTS	xxxxx
7	----------	1/4" PAN HEAD BOLTS w/ WASHERS	xxxxx
8	----------	3/8" LAG SCREWS (MIN. 3" EMBED/4 PER LTR)	xxxxx
9	----------	1-1/4" SPACERS (CUT FROM WB TUBES)	xxxxx
10	----------	PRINCIPAL QWIK MOD 2 6500K LEDs	xxxxx
11	----------	PRINCIPAL 60W POWER SUPPLY	xxxxx
12	----------	POWER SUPPLY BOX w/ DISCONNECT SWITCH	xxxxx
13	----------	WALL BUSTER	xxxxx

#		Colors:
A		*PAINT: KIA SILVER*
B		*VINYL: 50% DIFFUSER (BACKSIDE OF .220 CLEAR)*
C		*VINYL: 3635-20B WHITE BLOCK OUT (FRONT SIDE OF .220 CLEAR)*

KUSWL - HALO-LIT CHANNEL LOGO (TYP.)

Not to Scale

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Fax: 818.566.1821
www.megahertzsign.com

Hello KIA of Calabasas
Location:
24460 Calabasas Rd.
Calabasas, CA 91302

Date: 04/22/24
Salesperson: Rob Clark
Coordinator:
Designer:
Scale: As Noted

Revisions

CUSTOMER APPROVAL

Customer Signature Date

COPY, COLORS & SIZES

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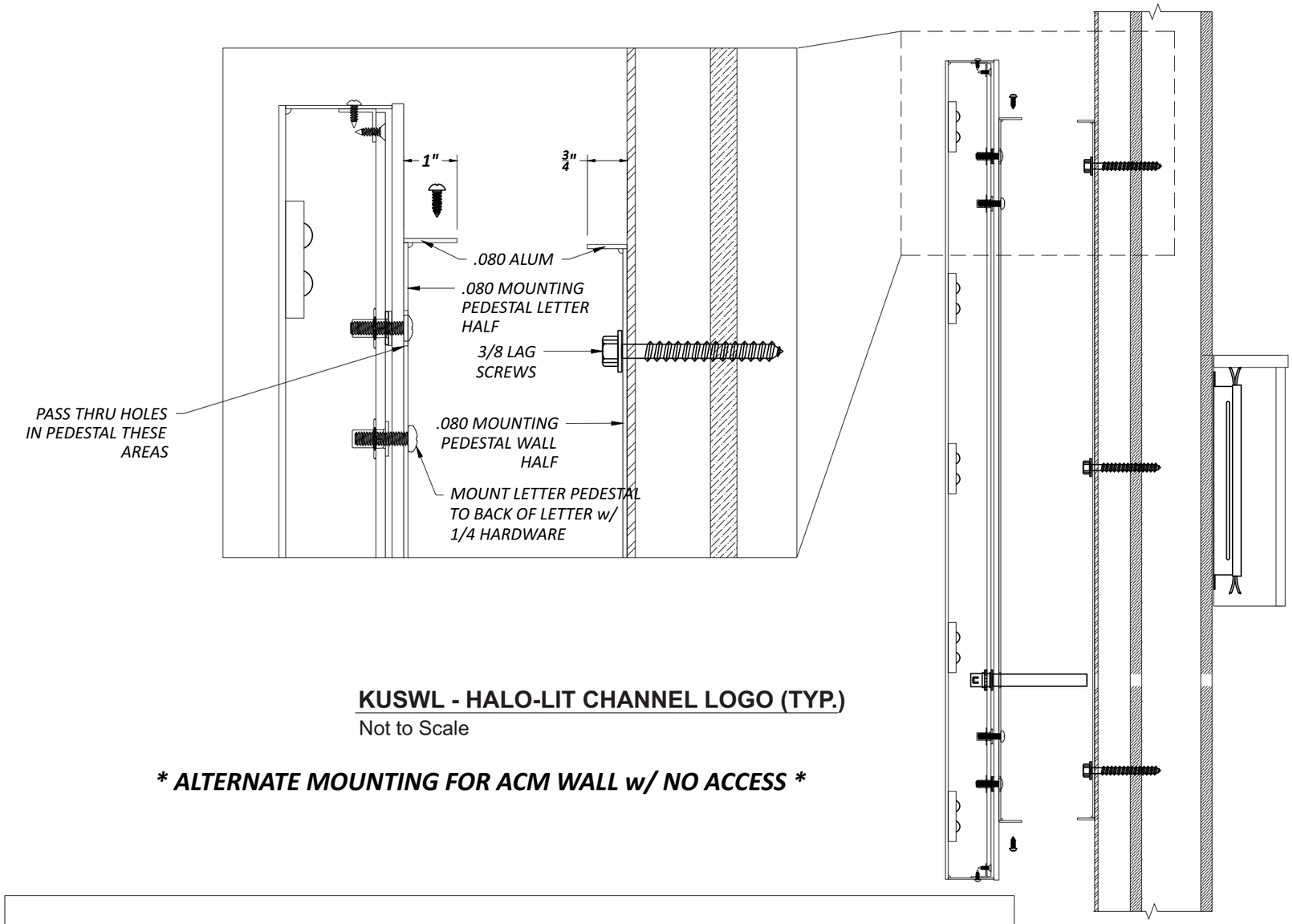
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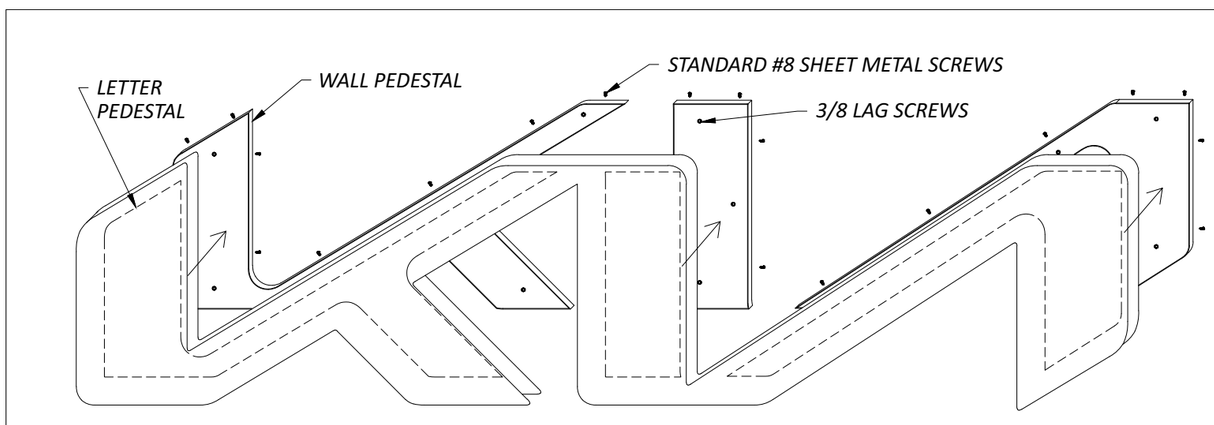
Drawing Number: 00-00000
Work Order Number: 00000
Sheet: 11 Of : 16



KUSWL - HALO-LIT CHANNEL LOGO (TYP.)

Not to Scale

**** ALTERNATE MOUNTING FOR ACM WALL w/ NO ACCESS ****

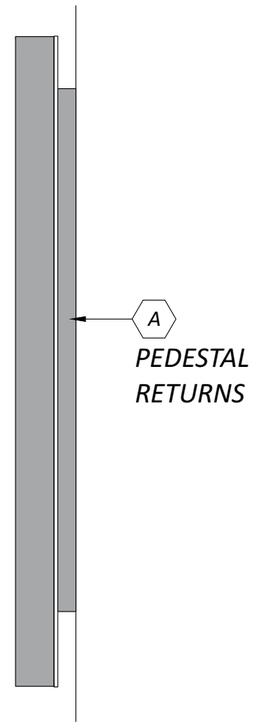


KIAUSASXXX0005

KIA WALL LETTERS
ALTERNATE MOUNTING KIT

INSTALLATION:	-	**INTERIOR**	*X*	**EXTERIOR**	
ELECTRICAL SPECIFICATIONS:				*WEIGHT:*	*165 lbs*
VOLTS:	*120 VAC*	**AMP:**	*3.0 A*	**CIRC:**	*1*

DESCRIPTION



#		Colors:
A		*PAINT: KIA SILVER*
B		*VINYL: 50% DIFFUSER (BACKSIDE OF .220 CLEAR)*

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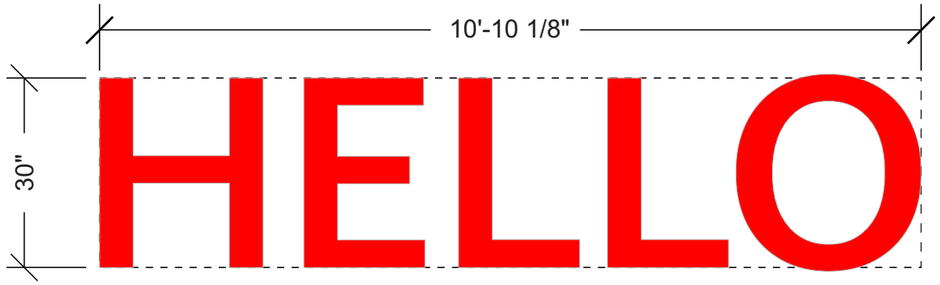
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Drawing Number: 00-00000

Work Order Number: 00000

Sheet: 12 Of : 16





Side View

KUSDNL30 - INTERNALLY-ILLUM. CHANNEL LETTERS

Scale: 1/2" = 1'-0" 27.11 SF





Side View

KUSDLV12 - INTERNALLY-ILLUM. CHANNEL LETTERS

Scale: 1" = 1'-0" 6.47 SF





Side View

KUSSVC18 - INTERNALLY-ILLUM. CHANNEL LETTERS

Scale: 3/4" = 1'-0" 12.34 SF

Specifications

Faces - .177" 2447 White Acrylic with KIA Metallic Silver Perforated Vinyl Overlay
Returns - .040" Anodized Aluminum
Trimcap - 1" Metallic Silver Jewelite
Illumination - 7100K LED with Remote Power Supplies
Font: Kia Signature Bold
Dealer to provide electrical prior to installation.

Colors

Faces - KIA Metallic Silver
Returns - Anodized Aluminum
Trimcap - PSG Standard Metallic Silver
LED - 7100K White Illumination

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Revisions

1 04-07-25 Reduce Sign Area

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Customer Signature Date

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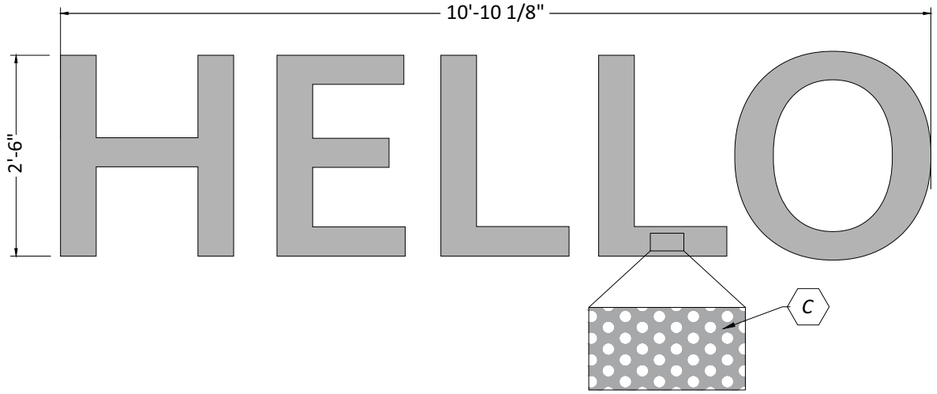
Customer Signature Date

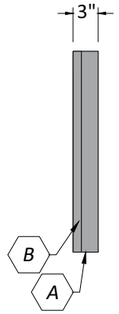
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Drawing Number: 00-00000
Work Order Number: 00000
Sheet: 13 Of : 16





KUSDNL30 - INTERNALLY-ILLUM. CHANNEL LETTERS

Not to Scale 27.11 SF

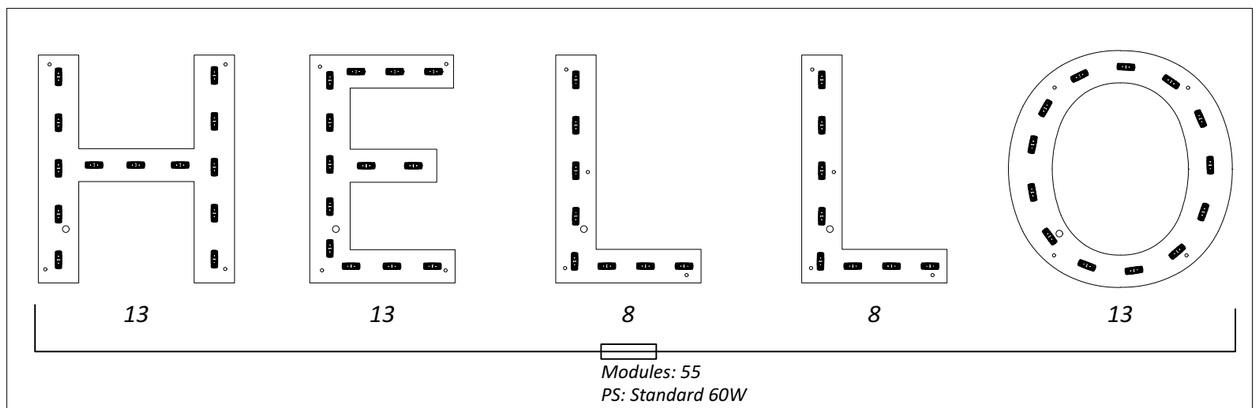
KIAUSCH4P30002

30" DEALER LETTERS
KUSDNL30

INSTALLATION:	-	**INTERIOR**	*X*	**EXTERIOR**	
ELECTRICAL SPECIFICATIONS:				*WEIGHT:*	*0000 lbs*
VOLTS:	*120 VAC*	**AMP:**	*2.0 A*	**CIRC:**	*1*

ITEM	PART NO.	DESCRIPTION	QTY
1	----------	.040 ALUMINUM COIL	xxxxx
2	----------	1" JEWELITE TRIM CAP	xxxxx
3	----------	.177 #2447 WHITE ACRYLIC w/ PRINTED PERF PATTERN	xxxxx
4	----------	SIGNABOND BACKS	xxxxx
5	----------	PRINCIPAL LEDS	xxxxx
6	----------	PRINCIPAL POWER SUPPLIES	xxxxx
7	----------	POWER SUPPLY BOX w/ DISCONNECT SWITCH	xxxxx
8	----------	3/8" LAG SCREWS (MIN. 3" EMBED/4 PER LTR)	xxxxx
9	----------	WALL BUSTERS	xxxxx

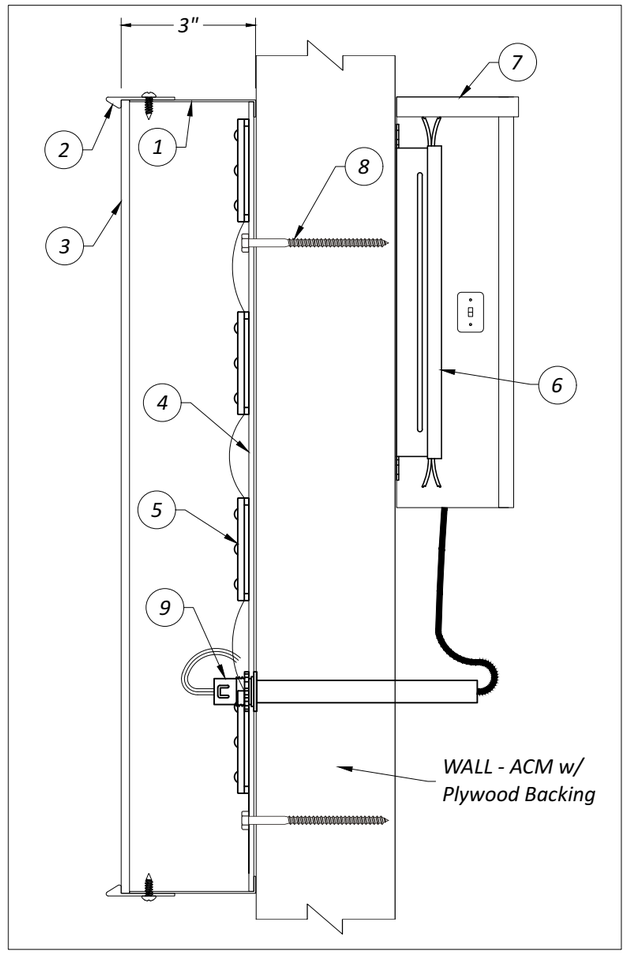
#		Colors:
A		*COIL: PRE-PAINT CLEAR ANODIZED*
B		*JEWELITE: 1" METALLIC SILVER*
C		*PERF: TO MATCH KIA SILVER w/ OVERLAM (PERF PATTERN PRINTED TO FACE MATERIAL)*



Modules: 55
PS: Standard 60W

55 Modules: Principal LED - Qwik Mod 2 - PL-QM2-TW150-P

76 MODS PER 60W P/S - 1.0 amp per 60w P/S



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Date: 04/22/24
Salesperson: Rob Clark
Coordinator:
Designer:
Scale: As Noted

Revisions

CUSTOMER APPROVAL

Customer Signature Date

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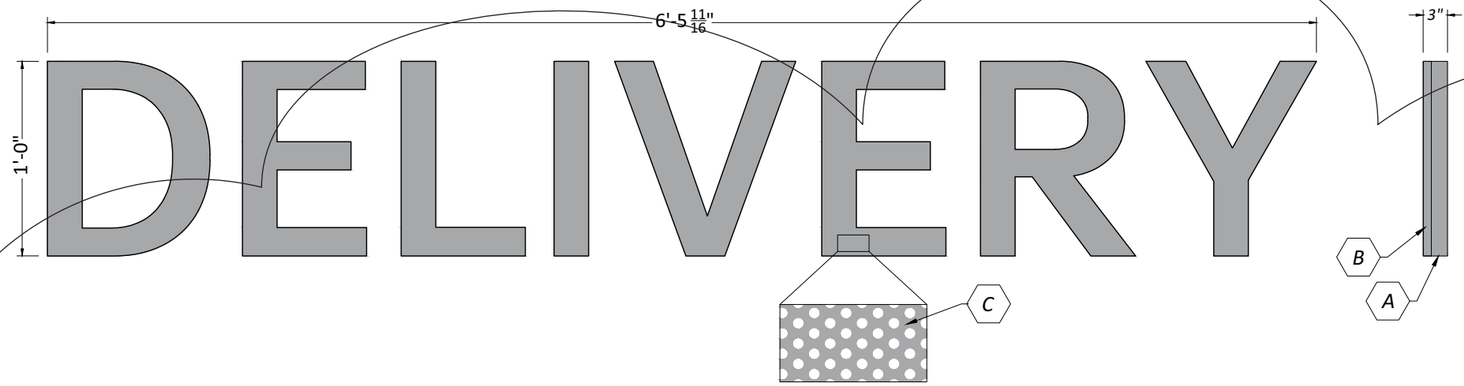
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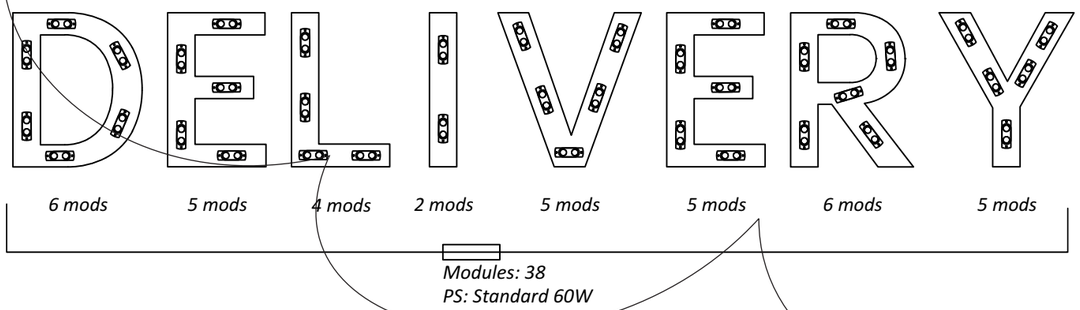
Work Order Number: 00000

Sheet: 14 Of : 16



KUSDLV12 - INTERNALLY-ILLUM. CHANNEL LETTERS

Not to Scale 6.47 SF



38 Modules: Principal LED - Qwik Mod 2 - PL-QM2-TW150-P

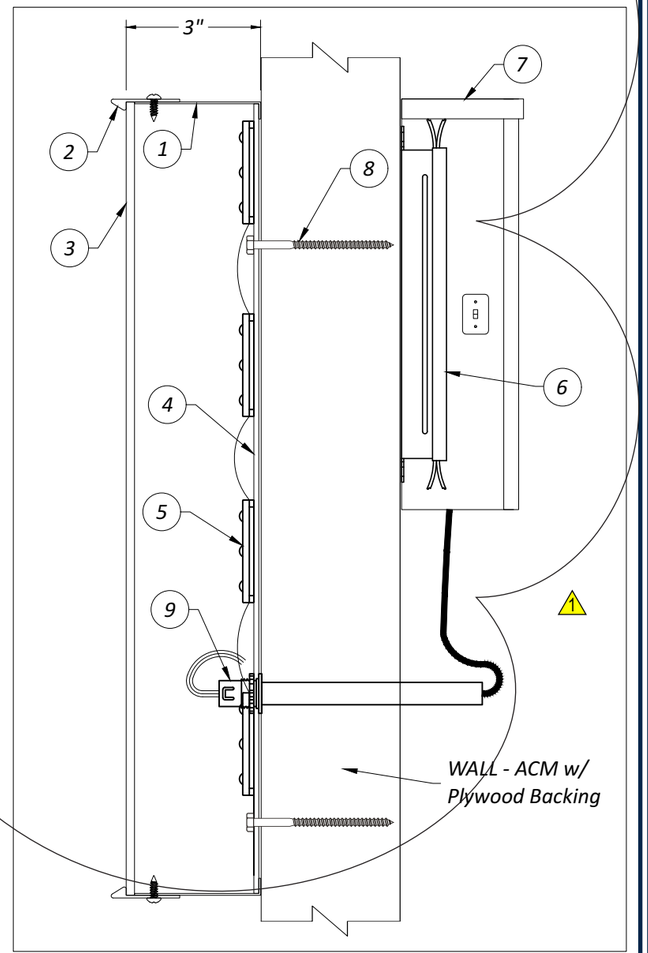
KIAUSCH4P30005

12" LETTERS

INSTALLATION:		INTERIOR	X	EXTERIOR	
ELECTRICAL SPECIFICATIONS:				WEIGHT:	0000 lbs
VOLTS:	120 VAC	AMP:	1.0 A	CIRC:	1

ITEM	PART NO.	DESCRIPTION	QTY
1	----------	.040 ALUMINUM COIL	xxxxx
2	----------	1" JEWELITE TRIM CAP	xxxxx
3	----------	.177 #2447 WHITE ACRYLIC w/ PRINTED PERF PATTERN	xxxxx
4	----------	SIGNABOND BACKS	xxxxx
5	----------	PRINCIPAL LEDS	xxxxx
6	----------	PRINCIPAL POWER SUPPLIES	xxxxx
7	----------	POWER SUPPLY BOX w/ DISCONNECT SWITCH	xxxxx
8	----------	3/8" LAG SCREWS (MIN. 3" EMBED/4 PER LTR)	xxxxx
9	----------	WALL BUSTERS	xxxxx

#		Colors:
A		COIL: PRE-PAINT CLEAR ANODIZED
B		JEWELITE: 1" METALLIC SILVER
C		PERF: TO MATCH KIA SILVER w/ OVERLAM (PERF PATTERN PRINTED TO FACE MATERIAL)



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Designer:
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Revisions

1 04-07-25 Reduce Sign Area

CUSTOMER APPROVAL

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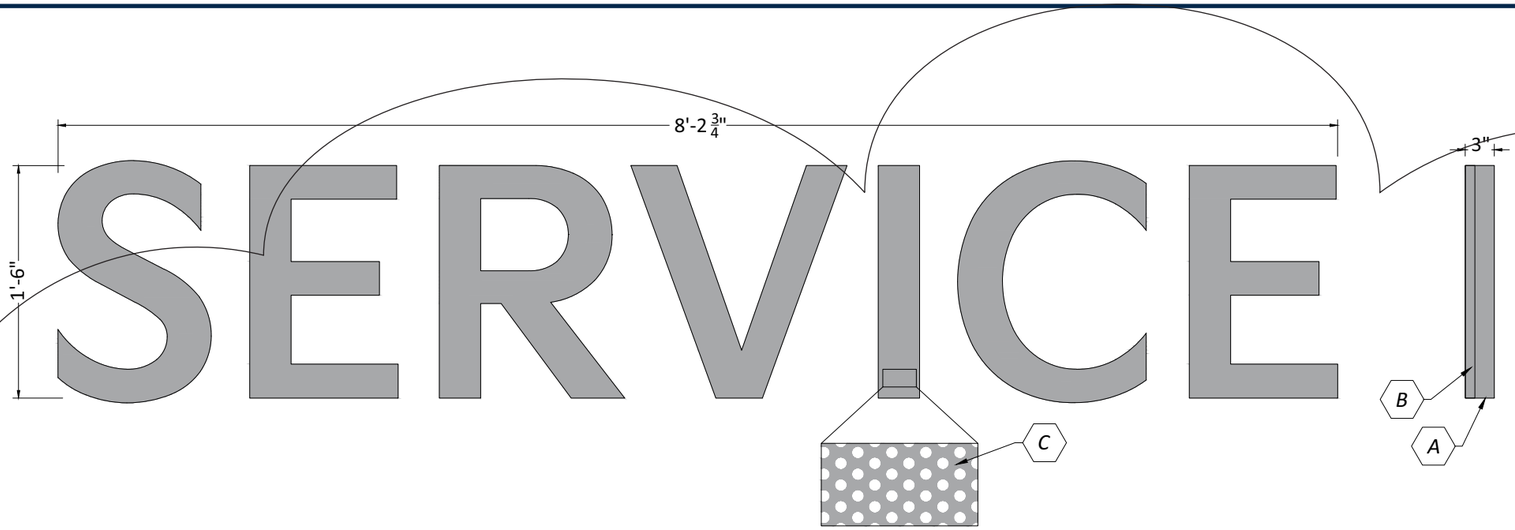
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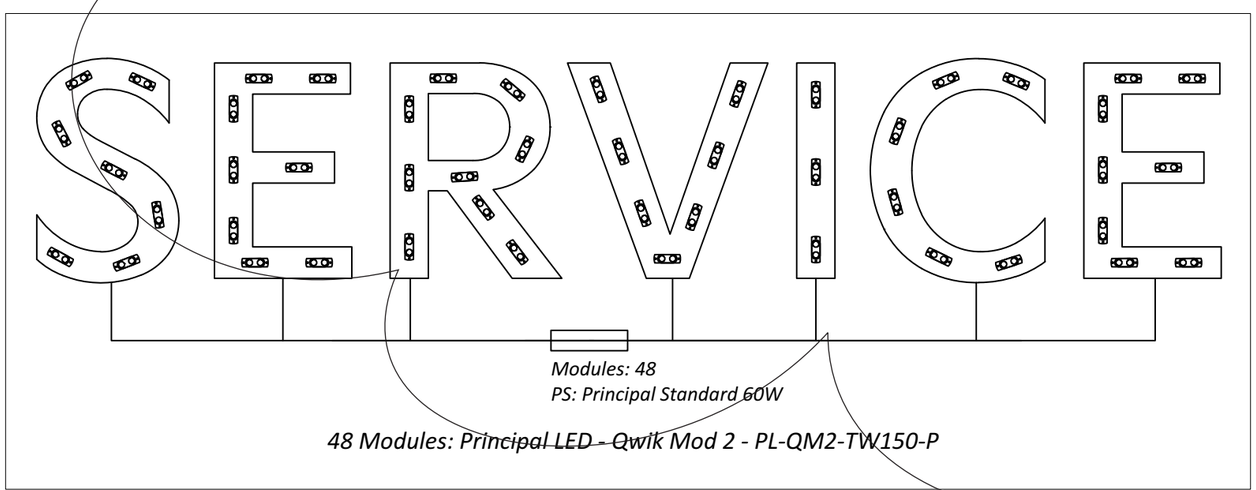
Work Order Number: 00000

Sheet: 15 Of : 16



KUSSVC18 - INTERNALLY-ILLUM. CHANNEL LETTERS

Not to Scale 12.34 SF



Modules: 48
PS: Principal Standard 60W

48 Modules: Principal LED - Qwik Mod 2 - PL-QM2-TW150-P

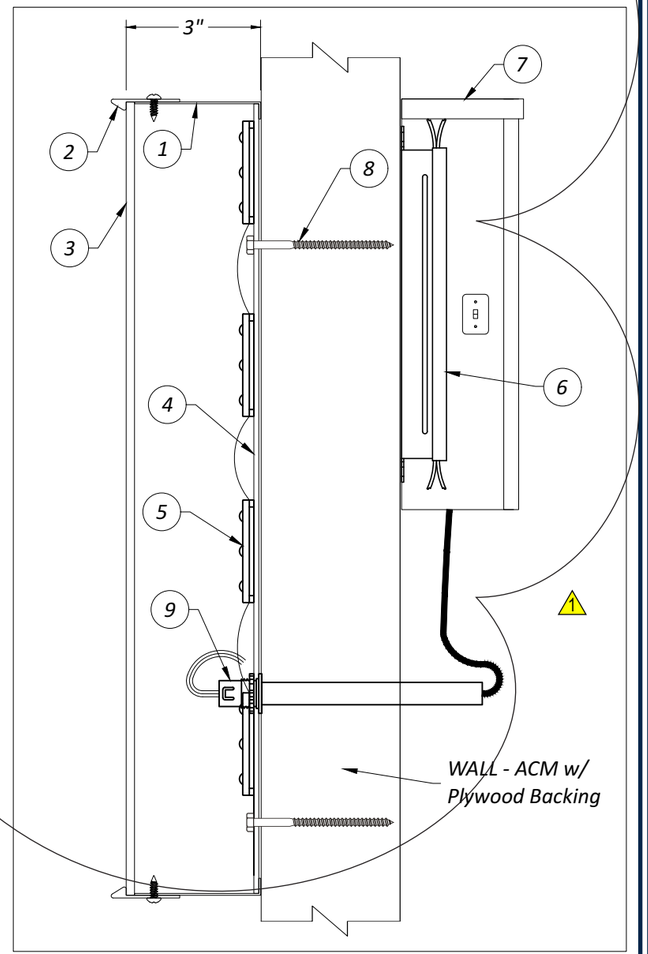
KIAUSCH4P30009

18" SERVICE (New 2021 KIA)
KUSSVC18

INSTALLATION:		**INTERIOR**	*X*	**EXTERIOR**	
ELECTRICAL SPECIFICATIONS:				*WEIGHT:*	*0000 lbs*
VOLTS:	*120 VAC*	**AMP:**	*1.0 A*	**CIRC:**	*1*

ITEM	PART NO.	DESCRIPTION	QTY
1	----------	.040 ALUMINUM COIL	xxxxx
2	----------	1" JEWELITE TRIM CAP	xxxxx
3	----------	.177 #2447 WHITE ACRYLIC w/ PRINTED PERF PATTERN	xxxxx
4	----------	SIGNABOND BACKS	xxxxx
5	----------	PRINCIPAL LEDS	xxxxx
6	----------	PRINCIPAL POWER SUPPLIES	xxxxx
7	----------	POWER SUPPLY BOX w/ DISCONNECT SWITCH	xxxxx
8	----------	3/8" LAG SCREWS (MIN. 3" EMBED/4 PER LTR)	xxxxx
9	----------	WALL BUSTERS	xxxxx

#		Colors:
A		*COIL: PRE-PAINT CLEAR ANODIZED*
B		*JEWELITE: 1" METALLIC SILVER*
C		*PERF: TO MATCH KIA SILVER w/ OVERLAM (PERF PATTERN PRINTED TO FACE MATERIAL)*



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Drawing Number: 00-00000

Work Order Number: 00000

Sheet: 16 Of : 16

LEED v4 for BD+C: New Construction and Major Renovation

Project Checklist

Project Name: KIA of Calabasas
Date: 6/15/2023

PRELIMINARY DRAFT

Y	?	N			
			Credit	Integrative Process	1

3	0	0	**Location and Transportation**		16
		N	Credit	LEED for Neighborhood Development Location	16
		N	Credit	Sensitive Land Protection	1
		N	Credit	High Priority Site	2
		N	Credit	Surrounding Density and Diverse Uses	5
1			Credit	Access to Quality Transit	5
1			Credit	Bicycle Facilities	1
		N	Credit	Reduced Parking Footprint	1
1			Credit	Green Vehicles	1

10	0	0	**Sustainable Sites**		10
Y			Prereq	Construction Activity Pollution Prevention	Required
1			Credit	Site Assessment	1
2			Credit	Site Development - Protect or Restore Habitat	2
1			Credit	Open Space	1
3			Credit	Rainwater Management	3
2			Credit	Heat Island Reduction	2
1			Credit	Light Pollution Reduction	1

3	0	0	**Water Efficiency**		11
Y			Prereq	Outdoor Water Use Reduction	Required
Y			Prereq	Indoor Water Use Reduction	Required
Y			Prereq	Building-Level Water Metering	Required
1			Credit	Outdoor Water Use Reduction	2
2			Credit	Indoor Water Use Reduction	6
		N	Credit	Cooling Tower Water Use	2
		N	Credit	Water Metering	1

15	0	0	**Energy and Atmosphere**		33
Y			Prereq	Fundamental Commissioning and Verification	Required
Y			Prereq	Minimum Energy Performance	Required
Y			Prereq	Building-Level Energy Metering	Required
Y			Prereq	Fundamental Refrigerant Management	Required
3			Credit	Enhanced Commissioning	6
6			Credit	Optimize Energy Performance	18
		N	Credit	Advanced Energy Metering	1
		N	Credit	Demand Response	2
3			Credit	Renewable Energy Production	3
1			Credit	Enhanced Refrigerant Management	1
2			Credit	Green Power and Carbon Offsets	2

7	0	0	**Materials and Resources**		13
Y			Prereq	Storage and Collection of Recyclables	Required
Y			Prereq	Construction and Demolition Waste Management Planning	Required
3			Credit	Building Life-Cycle Impact Reduction	5
2			Credit	Building Product Disclosure and Optimization - Environmental Product Declarations	2
		N	Credit	Building Product Disclosure and Optimization - Sourcing of Raw Materials	2
		N	Credit	Building Product Disclosure and Optimization - Material Ingredients	2
2		N	Credit	Construction and Demolition Waste Management	2

13	0	0	**Indoor Environmental Quality**		16
Y			Prereq	Minimum Indoor Air Quality Performance	Required
Y			Prereq	Environmental Tobacco Smoke Control	Required
2			Credit	Enhanced Indoor Air Quality Strategies	2
3			Credit	Low-Emitting Materials	3
1			Credit	Construction Indoor Air Quality Management Plan	1
2			Credit	Indoor Air Quality Assessment	2
1			Credit	Thermal Comfort	1
2			Credit	Interior Lighting	2
		N	Credit	Daylight	3
1			Credit	Quality Views	1
1			Credit	Acoustic Performance	1

1	0	0	**Innovation**		6
			Credit	Innovation	5
1			Credit	LEED Accredited Professional	1

0	0	0	**Regional Priority**		4
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1

52	0	0	**TOTALS**	Possible Points:	110

Certified: 40 to 49 points, **Silver:** 50 to 59 points, **Gold:** 60 to 79 points, **Platinum:** 80 to 110

Exhibit N

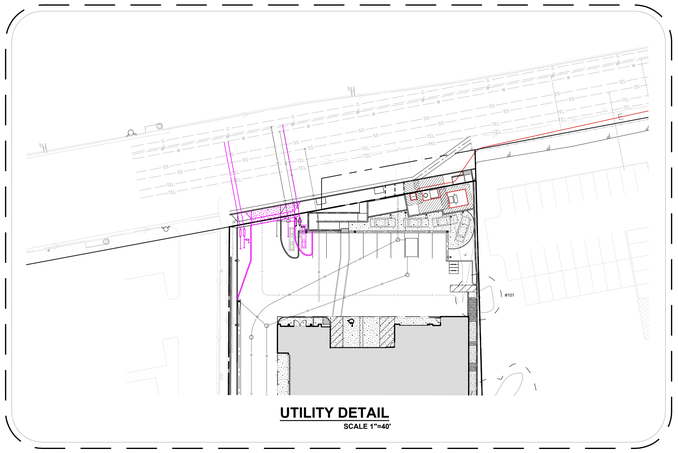
move water here

move monument sign

move driveway 9 feet

remove 1 parking space

20 ft



UTILITY DETAIL
SCALE 1"=40'

LEGEND:

- 98.00 TC — SPOT ELEVATION / DESCRIPTION OF ELEVATION
- (98.00) EG — EXISTING SPOT ELEVATION / DESCRIPTION OF ELEVATION
- 1.0% — PROPOSED GRADIENT AND DIRECTION OF FLOW
- (1.0%) — EXISTING GRADIENT AND DIRECTION OF FLOW
- 1 — SITE PLAN NOTE
- 1150 — PROPOSED CONTOUR
- (1150) — EXISTING CONTOUR
- 986.4 — EXISTING SPOT ELEVATION
- 2 — EASEMENT NOTE (REFER TO SH. 2)
- PROPOSED STEP
- PROPOSED DRAIN
- EXISTING TREE
- TREE TO BE REMOVED
- PROPOSED LIGHT
- #2 — CANOPY / TREE NUMBER / EXISTING OAK TREE / PROTECTION ZONE
- #2 — CANOPY / TREE NUMBER / DEMO OAK TREE / PROTECTION ZONE
- #2 — CANOPY / TREE NUMBER / ENCROACH OAK TREE / PROTECTION ZONE

- Subject Parcel Boundary
- Existing Right-of-Way
- Proposed Property Line
- Existing Parcels
- Existing Easements
- Existing Street Centerlines
- Proposed Building
- Proposed Retaining Wall
- Proposed Fence
- Proposed Curb
- Grade Break
- Storm Drain (Existing)
- Storm Drain (Proposed)
- Sanitary Sewer (Existing)
- Sanitary Sewer (Proposed)
- Water (Existing)
- Water (Proposed)
- Recycled Water (Existing)
- Recycled Water (Proposed)
- Natural Gas (Existing)
- Natural Gas (Proposed)
- Communications (Existing)
- Telephone (Existing)
- Fire Water (Proposed)
- ADA Pathway

- A.C. PAVEMENT
- CONCRETE
- LANDSCAPING
- PERMEABLE PARKING AREA
- EXISTING PAVEMENT
- TRUNCATED DOMES

ABBREVIATIONS:

1F	FIRST FLOOR	HP	HIGH POINT
APN	ASSESSOR'S PARCEL NUMBER	INV	INVERT
BLDG	BUILDING	MH	MANHOLE (UTILITY)
CB	CATCH BASIN	PA	PLANTER AREA
CL	CENTER LINE	P/L	PROPERTY LINE
CONC	CONCRETE	PP	POWER POLE
D/W	DRIVEWAY	PR	PROPOSED
EG	EXISTING GROUND	PROP	PROPERTY
ELEC	ELECTRICAL	ROW	RIGHT OF WAY
EP	EDGE OF PAVEMENT	SD	STORM DRAIN
EX	EXISTING	SDMH	STORM DRAIN MANHOLE
FF	FINISHED FLOOR	SMH	SEWER MANHOLE
FG	FINISHED GROUND	SWR	SEWER
FH	FIRE HYDRANT	TC	TOP OF CURB
FL	FLOW LINE	TG	TOP OF GRATE
FS	FINISHED SURFACE	TMH	TELEPHONE MANHOLE
GB	GRADE BREAK	TW	TOP OF WALL
H	HEIGHT	(TYP)	TYPICAL
		UNKN	UNKNOWN

SITE PLAN NOTES:

1. PROPOSED PAVEMENT.
2. PROPOSED SIDEWALK.
3. PROPOSED CURB.
4. PROPOSED RETAINING WALL. (GUARD TO BE INSTALL ON TO OF WALL AS REQUIRED)
5. PROPOSED RAMP.
6. PROPOSED DRAINAGE SWALE.
7. PROPOSED DRAIN INLET.
8. PROPOSED STEP.
9. PROPOSED CURB & GUTTER.
10. PROPOSED WALKWAY.
11. PROPOSED PARKWAY DRAIN.
12. PROPOSED UNDERGROUND MODULAR WETLAND FLOW-THROUGH TREATMENT DEVICE PER DETAIL 1 ON SHEET 10.
13. PROPOSED BACKFLOW ASSEMBLY.
14. PROPOSED TRASH ENCLOSURE.
15. PROPOSED WATER LINE.
16. PROPOSED ELECTRIC TRANSFORMER.
17. PROPOSED SEWER LINE.
18. PROPOSED STORM DRAIN LINE.
19. EXISTING OAK TREE TO BE REMOVED.
20. PROPOSED DEBRIS BASIN.
21. PROPOSED VEGETATED DRAINAGE CHANNEL.
22. PROPOSED ROLLED CURB.
23. PROPOSED TREE WELL.
24. PROPOSED FIRE LINE.
25. EXISTING POWER POLE TO BE RELOCATED/REMOVED.
26. EXISTING PAVEMENT TO REMAIN.
27. PROPOSED SIGNAGE.
28. PROPOSED PERMEABLE PARKING AREA.
29. PROPOSED DRAIN BASIN.

NORTH

0 15 30 60
GRAPHIC SCALE: 1" = 30'
@ 30x42

FOR CONCEPTUAL APPROVAL ONLY

Prepared By:

DIAMOND WEST
civil engineering • land surveying • land planning
23801 Calabasas Road, Suite 1034
Calabasas, CA 91302
Phone: (818) 591-1050
www.diamondwest.net

PLAN REVISION DESCRIPTIONS

PREPARED BY OR UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER — WILLIAM C. CUNNINGHAM — No. 80129 — Exp. 09/30/26 — CIVIL — STATE OF CALIFORNIA

PRELIMINARY

SIGNATURE: DATE:

ADDRESS:
CALABASAS KIA
24460 CALABASAS ROAD,
CALABASAS CA, 91302

SHEET TITLE:
CONCEPTUAL GRADING AND DRAINAGE PLAN

SHEET NO.
5
OF 10 CIVIL SHEETS

DATE: 2024-10-01

Reuse of Documents: This document, and the ideas and designs incorporated herein as an instrument of professional service, is the property of Diamond West, Inc. (DW) and is not to be used, in whole or in part, for any other project without the written authorization of DW.

P:\22-1015 - Hertz Auto Group re Calabasas Kia\800-Exhibits\Revised Dwg Exhibit\dwg\22-1015 - Calabasas Kia - 5&7&10- Conceptual Grading Plan.dwg
10/2/2024 1:47pm by Jeff Wilson

CITY of CALABASAS

INTERNAL MEMORANDUM

Date: **March 19, 2025**

Subject: **Response to March 10, 2025 Letter from Bob Smith BWW – Proposed KIA Dealership**

From: **Curtis Castle, P.E., Public Works Director/City Engineer**
Thomas Mericle, P.E. T.E, TKM Engineering/Contract Traffic Engineering Services

The Vice President of Bob Smith BMW (Bob Smith), Anne Smith Boland, sent the city the subject letter expressing Bob Smith's concerns with the KIA dealership (KIA) that is proposed to be located on the parcel immediately east of the Bob Smith property. This memorandum addresses the concerns in the letter pertaining to items under the purview of the Public Works Department.

Site Distance Separation Between Driveways

Bob Smith contends that the KIA driveway should be located where the existing driveway to the property is located, or further to the east (the Sperling Nursery driveway). This concern was previously studied during development of the IS/MND. Additionally, Bob Smith submitted a similar comment to IS/MND, which was addressed in the city's draft response to comments. As noted in the response to comments to the IS/MND:

"The proposed driveway location would allow for sufficient perpendicular sight distance to allow for left turns from the project site. Additionally, for the existing driveway location fronting the project site, there is limited space to create increased site distance without alteration the frontage of the adjacent property of the east, which is outside the purview of the proposed project. Furthermore, alterations to the street frontage further east may potentially encroach on existing oak trees along Calabasas Road.

…

The Draft IS/MND discuses safety of the project driveway on pages 78 and 79 in response to CEQA checklist XVII.c. As discussed in the Draft IS/MND, the proposed driveway would have sufficient sight distance, with proposed 50-foot no parking zones on both sides of driveway and restricted-height project landscaping."
[Note that a no parking zone to the east of the KIA driveway will be a loading zone and the area west of the KIA driveway will be no parking.]

KIA originally proposed a driveway along the westerly edge of their property approximately 15 feet east of the existing BMW driveway. Public Works reviewed this conceptual design and analyzed the turning movements needed for ingress and egress. Given that the property lacks sufficient frontage to accommodate the city's preferred driveway separation of 300 feet as discussed in the Calabasas Municipal

Code (CMC) Section 17.28.080, Public Works concurred that the proposed driveway location was the best approach because it minimized potential conflicts among drivers. The 300-foot separation mentioned in the CMC allows drivers entering and leaving parking lots sufficient time and distance to react to other drivers. Because the limited frontage does not permit a 300-foot separation, locating the driveways as close to each other as possible allows drivers to better communicate and more clearly see and understand each other's intentions. From Public Works' perspective, a shared driveway would be the best alternative in this situation, but neither property owner desires a shared driveway. As the separation between the driveways grows, the ability of drivers to communicate with each other is diminished until the separation approaches the 300-foot separation that allows for drivers to react to each other without prior communication.

Moving the Kia driveway further east from the proposed location creates additional conflicts as outlined below.

Loading Zone & New Car Deliveries and Auction Car Pickups

As proposed, the KIA driveway location creates the longest possible loading zone in front of KIA. Moving the driveway east as requested by Bob Smith, reduces this zone and reduces the opportunity for proper unloading of new vehicles. Other concerns noted in the subject letter are speculations regarding the operations of the KIA dealership and are not reviewed by the Public Works Department.

Turning Movements

The driveway location proposed by KIA allows for a longer left turn lane that would likely be utilized by customers of both KIA and Bob Smith. Moving the driveway further east, as requested by Bob Smith, reduces the length of the left turn lane on Calabasas Road, thus degrading the ability to properly accommodate left turning vehicles. It also creates short turning areas for each driveway rather than single long area that can be utilized by both if the driveways were adjacent.

Street Dedication

The Public Works Department is open to discussing right of way dedications in front the property formerly occupied by Pelican's Retreat. However, right-of-way dedications related to adjacent properties are not part of the review of the KIA development, and KIA cannot be conditioned to make improvements where the right-of-way has not already been dedicated to the city since they have no control over the outcome.

On-Site Parking

This concern has been addressed by the Planning Department and is not reviewed by Public Works.

Calabasas Road Speed Limit

Speed limits citywide will be analyzed during the spring and summer of 2025. The analysis will determine whether the speed limit on Calabasas Road should be adjusted. With regards to the installation of traffic calming devices such as speed humps, the city does not have a traffic calming program to install such devices. Further, Calabasas Road is classified as an arterial street with a speed limit above 25 mph, making speed humps inappropriate for this type of roadway.

ASSOCIATED TRANSPORTATION ENGINEERS
100 N. Hope Avenue, Suite 4, Santa Barbara, CA 93110 • (805)687-4418 • FAX (805)682-8509 • main@atesb.com

Since 1978

Richard L. Pool, P.E.
Scott A. Schell

April 16, 2025 23066L02

Laura Kaufman, AICP
Envicom Corporation
4165 E. Thousand Oaks Boulevard, Suite #290
Westlake Village, CA 91362

RESPONSE TO BOB SMITH COMMENTS:

The following is ATE's response to the comments provided by Bob Smith BMW on the transportation analysis prepared for the Kia of Calabasas.

1. Was this project reviewed by the City's Transportation & Traffic Commission (TTC)? If not, we request that this project should be fully reviewed through the city's standard process as the Calabasas Road corridor is a major street within the city. This should be a clearance item for project hearings. The City's TTC may request additional studies that should be included in the CEQA review.

   ATE Response: Comment noted.

2. The driveway separation between the existing KIA site driveway (previously Sperling Nursery) and the secondary BMW driveway is measured at ~70' from outside edge to outside edge. This existing condition driveway separation distance provides for a safe configuration for turning movements between these two driveways. This ~70' distance is the typical minimum driveway separation distance per Los Angeles County code. The proposed project driveway was moved approximately 59' to the west, toward our secondary driveway leaving only 11' of driveway separation between our existing eastern driveway and the proposed KIA driveway entrance! Attached is an exhibit demonstrating the limited driveway separation. What design standards were applied to the KIA project? Please provide a comprehensive study of typical driveway separations for arterial streets for commercial/auto uses. An 11' separation between two busy driveways with cars is a very unsafe condition. The CEQA document fails to analyze this drastically reduced driveway separation.

ATE Response: The 70' separation between driveways is unattainable due to the short length of the Project frontage. The City of Los Angeles Department of Transportation Driveway Access Circulation Design Guidelines recommends combining driveways when the minimum separation can't be attained, assuming mutual consent of the affected property owners. In this case, mutual consent was not attained. It should be noted that the adjacent BMW driveway is not the main driveway providing access to the sales and service departments. The main sales and service departments driveway is approximately 430' west of the Project driveway. Rather the adjacent BMW driveway is used to shuttle inventory on and off the dealership property. Locating the Kia driveway to the west is best. The proposed Kia dealership driveway is a better location than the original driveway location for the Sperling Nursery which operated at the site for many years before current roadway improvement standards were adopted by the City of Calabasas. As noted by City Public Works staff, the proposed location allows drivers to better communicate visually since they are in such close proximity. The new location would also enhance pedestrian and bicycle safety by locating two driveway at one location. Also, the pedestrian improvements remove the need for pedestrians to walk in the street along the Project frontage.

3. The Applicant should also prepare a circulation study to analyze safe movements for pedestrians, bicycles, and vehicles entering or exiting these driveways. Only vehicular circulation was studied. The current location of the KIA driveway is located too close to our existing secondary driveway. This circulation study should include vehicular pedestrian, and bicycle traffic counts for both the existing uses and proposed project along with cumulative impacts for this corridor. According to the ATE report, the proposed project is to provide sidewalk improvements as part of the project to promote pedestrian connections to local transit and retail areas. A multi-modal circulation impacts analysis was not provided for this changed condition and is lacking in the CEQA analysis. We feel this is a very unsafe condition and there will be accidents, or worse, fatalities. There will be more vehicles and people on the street if this project is approved, yet the driveway separation distance analysis was not fully analyzed as part of the MND technical studies. All of this could be mitigated by changing the driveway location back to the existing driveway cut off of Calabasas Road. One City's General Plan Circulation Element goals for Calabasas Road, listed as a critical roadway corridor, is to "enhance vehicular, bicycle, and pedestrian circulation and safety". KIA's proposed driveway location is not consistent with the City's adopted General Plan with the relocation of this driveway due to this change of land use.

ATE Response: The proposed roadway and striping improvements planned as part of the Kia of Calabasas Project will address pedestrian, bicycle, and vehicle safety concerns raised in the Bob Smith letter. The proposed roadway striping improvements would "enhance vehicular, bicycle and pedestrian circulation and safety" noted in the City's Circulation Element. Relocating the driveway to the east would not address any of the safety issues raised in the Bob Smith letter. Improved signing and stripping on Calabasas Road and the Project driveway will alert drivers, pedestrians and bicyclists to be aware of potential conflicts. The use of green pavement markings in bike lanes has generally been considered successful because they increase visibility for both cyclists and drivers, it reduces driver encroachment on bike lanes and enhances safety

by highlighting potential conflict areas. This is supported by studies showing that green paint treatments lead to fewer instances of drivers encroaching on the bike lane. The use of green pavement marking to delineate bike lanes is discussed in the CA MUTCD. Also the pedestrian improvements remove the need for pedestrians to walk in the street along the Project frontage.

4. Our engineers briefly studied alternatives to address our driveway separation safety concerns and provide a few options which we'd like to further discuss with the City. Please study moving the driveway back to the current location and reducing a couple of onsite parking spaces. Please prepare a shared parking study to analyze the practical parking needs for the proposed KIA dealership. Another option to consider is to reduce the number of cars on display at the project parking lot frontage and relocate bicycle racks. This would allow for the use of the existing driveway location and provide the same number of onsite parking spaces proposed. The parking study states that the project just meets the development code parking requirement. We feel that a loss of a few parking spaces, or car display locations, trumps public safety. It seems the main reason the Applicant is unwilling to maintain the existing driveway location is to meet the parking count requirement onsite. A small parking reduction for inventory parking should be studied to offset the significant public safety concerns.

   ATE Response: Comment noted. The recommended alternatives do not address the safety concerns raised in the Bob Smith letter or address the site access and circulation needs of the proposed Kia dealership. The proposed on-site parking supply satisfies the City of Calabasas parking requirements for the Kia dealership so there is no need to prepare a share parking study. On-street parking cannot be used to meet the required parking. The traffic study prepared by ATE addressees the on-site safety as required by the City of Calabasas.

5. We'd also like to see a complete line-of-sight analysis for the proposed driveway location. The analysis included in the ATE report only studied the proposed KIA driveway. It does not even discuss the BMW driveway located 11' to the west of the proposed KIA driveway. The scope of this analysis is incomplete for CEQA review. It appears that the tall monument sign along the frontage will also pose visibility issues which is another public safety concern. This is not mentioned in ATE's line of sight analysis section of their report either. Further, ATE recommends red curb stripping/no parking along the Calabasas Road frontage for 50' east and west of the KIA driveway. This may result in the loss of valuable on-street parking in front of our BMW dealership. This potential loss of parking impact needs to be analyzed in the MND.

   ATE Response: The traffic study prepared by ATE addressees the on-site safety as required by the City of Calabasas. The proposed roadway and striping improvements planned as part of the Kia of Calabasas Project will provide adequate sight distance at the Kia driveway and improved sight distance at the BMW driveway. Corner Site distance and Stopping Sight distance at both driveways is illustrated on attached Figures 1 through 4. Adequate sight distance is provided at both driveways. The attached Figure 5 illustrates the site distance between both driveways. As shown on Figure 5, drivers are visible to each other at both driveways. The attached Figure 6

illustrates the turning movements from both driveways. Frontage improvement proposed by the Kia dealership will provide improved pedestrian and bicycle facilities on Calabasas Road. Relocating the driveway to the east doesn't address any of the issues raised in the Bob Smith letter.

6. What traffic calming mitigation measures were studied for the proposed project as part of CEQA? We see vehicles moving at high speeds along Calabasas Road. Mixing vehicles, pedestrians, and bicycles all moving in different directions and some at high speeds is a recipe for disaster. The posted 40 mph speeds are not adhered to or enforced. We'd like to have speeds and traffic calming studied near the proposed driveway location and cumulatively for the Calabasas Road section from the Audi to the Mercedes dealership to assess safety risks. This study should be presented to the TTC to evaluate. The TTC may require supplemental studies and/or mitigations for this project that need to be addressed prior to going to hearings.

   ATE Response: No specific traffic calming measures were studied. CEQA doesn't require traffic calming measures to be studied. The traffic study prepared by ATE addressees the on-site safety as required by the City of Calabasas. The proposed roadway and striping improvements planned as part of the Kia of Calabasas Project will provide benefits to pedestrians and bicyclists along Calabasas Road. There has been no substantial evidence presented that the posted speed is not adhered to or enforced. The proposed Kia dealership would not create conditions that would encourage speeding on Calabasas Road.

Associated Transportation Engineers

Darryl F. Nelson
Senior Transportation Planner

Attachments: Figures 1 - 6



ASSOCIATED TRANSPORTATION ENGINEERS

PROJECT DRIVEWAY CORNER SIGHT DISTANCES

FIGURE 1

GM- ATE#23066



Associated Transportation Engineers

PROJECT DRIVEWAY STOPPING SIGHT DISTANCES

FIGURE 2

GM- ATE#23066

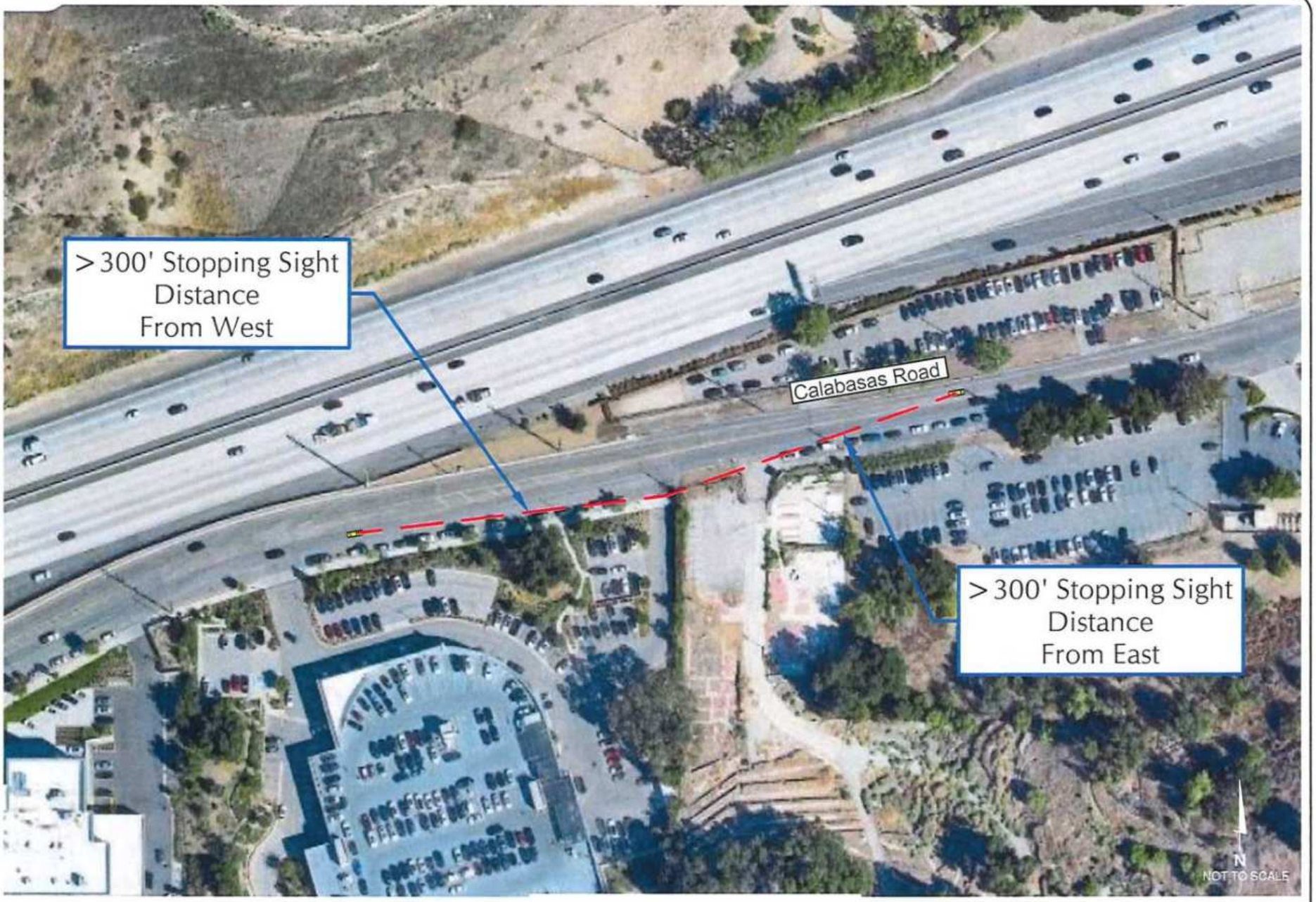


ASSOCIATED TRANSPORTATION ENGINEERS

BMW DEALERSHIP EASTERN DRIVEWAY CORNER SIGHT DISTANCES

FIGURE 3

GM- ATE#23066

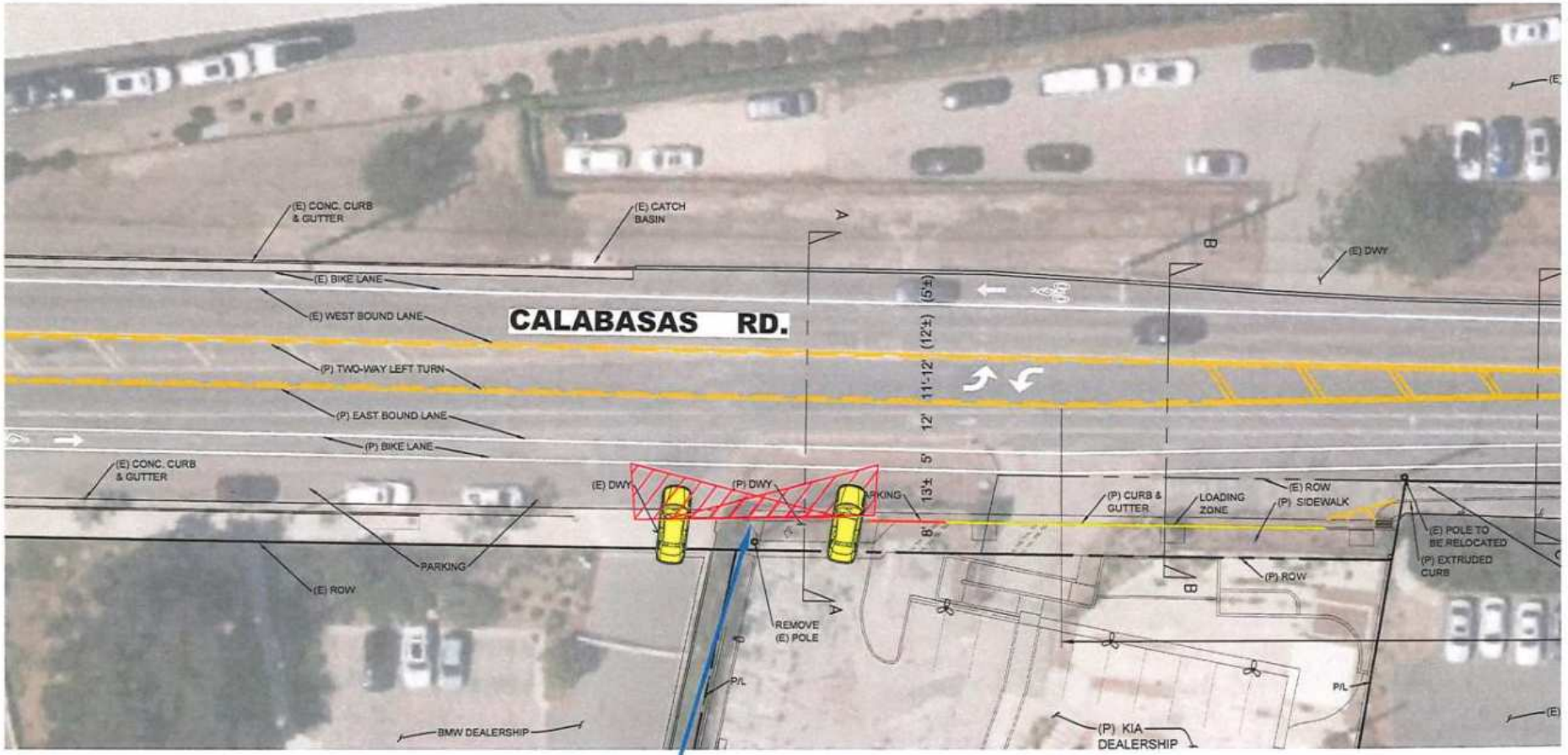


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BMW DEALERSHIP EASTERN DRIVEWAY STOPPING SIGHT DISTANCES

FIGURE 4

GM- ATE#23066



Keep Vegetation Below 3.5'

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SIGHT DISTANCE BETWEEN BMW DEALERSHIP AND PROJECT DRIVEWAYS

FIGURE 5

GM- ATE#23066



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EGRESS TURNING MOVEMENTS - FROM BMW DEALERSHIP AND PROJECT DRIVEWAYS

FIGURE 6

GM- ATE#23066

WILLDAN

September 4, 2024
Willdan Geotechnical Project No. 105625.56.1056.002

CITY OF CALABASAS - DEPARTMENT OF COMMUNITTY DEVELOPMENT GEOTECHNICAL ENGINEERING REVIEW

Submitted To: Ms. Tatiana Holden, City of Calabasas

Project Location: 24460 Calabasas Road, City of Calabasas, California

Reports Reviewed:

"Update of Geotechnical Investigation Report, Proposed Kia Dealership Development, 24460 Calabasas Road, Calabasas, California", Prepared by Geotechnical Professionals Inc., GPI Project No. 3162.I, Dated June 25, 2024

"Second Response to Comments on Report of Geotechnical Investigation, Proposed Kia Dealership Development, 24460 Calabasas Road, Calabasas, California", Prepared by Geotechnical Professionals Inc., GPI Project No. 3162.I, Dated May 24, 2024

"Response to Comments on Report of Geotechnical Investigation, Proposed Kia Dealership Development, 24460 Calabasas Road, Calabasas, California", Prepared by Geotechnical Professionals Inc., GPI Project No. 3162.I, Dated April 12, 2024

"Geotechnical Investigation, Proposed Kia Dealership Development, 24460 Calabasas Road, Calabasas, California", Prepared by Geotechnical Professionals Inc., Dated December 16, 2022

Review Status: The geotechnical report and response are **APPROVED** from a geotechnical viewpoint. The approval of the report is subject to the following conditions:

Review Comments:

1. List all applicable geotechnical reports and response letters on the building/grading plans.
2. Show limits and depth of recommended over-excavation on the grading plan. (Response 6 dated April 12, 2024)
3. Submit the results of retaining wall analyses for review once available. (Response 12 dated April 12, 2024)
4. Detailed foundation design and plans for proposed features including retaining walls, shoring, shallow foundation, pile foundation, soldier piles, and tiebacks, etc. are subject to review once available. (Response 15 dated April 12, 2024)
5. Foundation plan once reviewed and approved by the project geotechnical engineer should be submitted to this office for review. (Response 17 dated April 12, 2024)

6. All plans should be signed and stamped by geotechnical engineer, verifying compliance of grading and foundation plans including Grading Notes with their recommendations by signing and stamping the plans (Response 18 dated April 12, 2024)
7. Geotechnical consultant of record should be present during grading and foundation excavation. (Response 19 dated April 12, 2024)
8. An as-built report prepared by the geotechnical consultant must be submitted to the city for review. The report must include the results of all compaction tests as well as a map depicting the limits of over-excavation, observed geologic conditions, locations of all density tests, locations and elevations of all removal bottoms, and location and elevation of retaining wall backfill and subdrains outlets. (Response 20 dated April 12, 2024)

Our review is intended to determine if the submitted report(s) comply with the city codes and generally accepted geotechnical practices within the local area. The scope of our services for this third-party review has been limited to a review of the above referenced report(s) and associated documents, as supplied by the city. No field exploration or laboratory testing was performed. Re-analysis of reported data and/or calculations and preparation of amended construction or design recommendations are specifically not included within our scope of services. Our review should not be considered as a certification, approval or acceptance of consultant's work, nor is meant as an acceptance of liability for final design or construction recommendations made by the geotechnical consultant of record or the project designers or engineers. Opinions presented in this review are for the City's use only. Please contact us if you have questions or need additional services.

Respectfully submitted,
WILLDAN ENGINEERING



Chi-Tseng Ted Liu, Ph.D., PE, GE
Principal Engineer
C 48408, GE 2669



Distribution: Addressee (via e-mail)

Exhibit R

CITY of CALABASAS

2nd NOTICE OF PLANNING COMMISSION PUBLIC HEARING (Continued from December 19th, 2024)

File No(s). Kia Calabasas: File No(s) SPR-2023-004, OTP-2023-006, LTM-2024-002, SCP-2023-002, SGNP-2023-001, and SGN-2023-030

Project Location 24460 Calabasas Rd (APN: 2069-009-008 & 2069-009-020), in the City of Calabasas, County of Los Angeles.

Project Description Request for a Site Plan Review, Oak Tree Permit, Lot Merger, Scenic Corridor Permit, Sign Program, and Sign Permit for construction of a new two-story retail automobile dealership for Kia, inclusive of a 45,780 square-foot car dealership and a 2,117 square-foot carwash facility. The subject site is a vacant property previously occupied by Sperling Nursery. Also note, story poles have been installed at the project site. The poles represent the maximum height of the proposed structures, and are intended to provide a rough representation of the project's height, mass, and bulk. Additional information regarding the proposed project, including project plans and environmental documents, are available for public review on the City's website at: https://www.cityofcalabasas.com/our-city/current-projects/kia-calabasas

A Draft Initial Study and Mitigated Negative Declaration was prepared and circulated for public review in accordance with the California CEQA Guidelines.

Interested Parties Any person interested in this matter is invited to attend and provide comments on the proposed action, or you can submit written comments to the planner(s) listed below. If you challenge the proposed action in court, you may be limited to raising only those issues raised at the meeting verbally or in writing. The recommendation of the Planning Commission will be forwarded to the City Council for a final decision.

When Thursday, May 1, 2025, at 6:00 PM

Where Council Chamber, City Hall,
100 Civic Center Way, Calabasas CA 91302

Questions or Comments Contact – Jaclyn Rackerby, Planner
(818) 224-1705 or jrackerby@cityofcalabasas.com

Contact – Glenn Michitsch, Senior Planner
(818) 224-1707 or gmichitsch@cityofcalabasas.com

Scan here to access the most current Planning Commission Agenda

CITY of CALABASAS
100 Civic Center Way
Calabasas, CA 91302

NOTICE OF PUBLIC HEARING



Project Location: 24460 Calabasas Rd (APN: 2069-009-008 & 2069-009-020))

HOA: N/A

March 10, 2025

RECEIVED
3/10/25
CITY OF CALABASAS
PLANNING DEPT.

Ms. Jaclyn Rackery
Planner
City of Calabasas
100 Civic Center Way
Calabasas, California 91302

Ref: Proposed KIA Dealership

Dear Jaclyn,

Thank you again for meeting with the BMW team, a few weeks ago along with city staff, and KIA's civil engineer to discuss the proposed project.

We have had the opportunity to review the revised site plan provided by KIA's engineer with our civil engineer. We also contacted the automotive ports/shipyards that dispatch new vehicle deliveries. We have the following site plan comments.

Site Distance Separation Between Driveways

We note that the conceptual site plan was minimally revised to respond to our serious safety concerns related to inadequate driveway separation distance from our eastern secondary driveway to the proposed single driveway into to the KIA dealership. The previous KIA site plan included a driveway separation in this location was 11', and they have moved it over an additional 9'. We still strongly believe this limited driveway separation is a significant safety concern for vehicles, pedestrians, and bicyclists traveling along Calabasas Road in front of these properties. The separation distance between the eastern BMW driveway and Sperling Nursery site was 70' which was adequate for corridor safety. **There is a vast difference between the existing 70' driveway separation and the KIA reduced 20' driveway separation.**

KIA stated that they could not move the driveway in a way similar to the Sperling Nursery alignment because the project street frontage is problematic due to the restricted street frontage for the parcel and site topography/sloping conditions of the KIA property. They stated that the building would need to be lowered, and associated walls would be required over the standard 6' in height allowed by planning without a variance. Our engineer studied this and determined the following:

The option to locate the proposed driveway at the same location as where it exists now is 1 'lower grade than the current plan. The proposed 6 'walls at the rear of the project may need to be increased to 7 'or the driveway and parking lot at rear of building can be raised to accommodate for the 1 'and proposed walls remain at 6'. This may also require that the finish floor on the 2nd floor remain the same as current plan and only lower finish floor on the first floor.

We would like the City to require the Applicant to study this further. There is a reason why the existing driveway is located in its current configuration off Calabasas Road and to the subject site, namely safety and line of sight reasons. A 7' wall seems reasonable to require for project mitigation. Moreover, walls over 6' were recently approved for the Audi dealership on the west side of our dealership to accommodate site constraints. Findings for a wall variance over 6' are justified for keeping the existing driveway configuration for safety reasons.

Loading Zone & New Car Deliveries and Auction Car Pickups

The City of Calabasas Municipal Code Section 17.28.010 states that a loading zone is required for commercial properties but does not provide specific requirements for auto dealerships for car deliveries and auction car transport/hauling. All the other existing automobile dealerships along this section of Calabasas Road (Audi, BMW, Mercedes, Cadillac) utilize the center of Calabasas Road for car deliveries and pick-ups. Because of the configuration of Calabasas Road, loading and unloading have been done for decades in the middle of the street, at certain locations. There are prescriptive rights associated with deliveries for all dealerships along Calabasas Road based on the long-term use of the roadway center for car deliveries and pick-ups. Why is the City requiring the KIA dealership to have a loading zone along their limited property frontage when it will not be used? This property frontage loading zone prevents adequate driveway separation distance in site planning design. Since the KIA project frontage is limited and on a curve with slope conditions, this seems like an unwise planning and engineering design.

The BMW dealership opened in December 2023 and for over twenty-one years, we have first-hand knowledge of working with transport and haulers delivering and picking up cars. We know for sure, based on our experience, that the haulers will not utilize this loading zone in front of KIA. Instead, they will park in front of the BMW site in the center of the street and unload. From an operational standpoint, this is what should be studied. Trucks with cars on them will not exit the 101 at Las Virgenes and travel east on Mureau Road towards the

dealerships because the oak trees will scrape the tops of the cars. The same goes for a truck departing and heading west on Mureau Road. These trucks will do a u-turn so it can enter the 101 off Calabasas Road or Parkway Calabasas unless it is empty.

Further, we understand that engineers use standard truck lengths for design and turning movements from The Green Book design manual, American Association of State Highways and Transportation Officials (AASHTO). The City's Traffic Engineer and KIA's engineer advised that they relied on these standards for their design. We know, as this is our business, that the standard relied on by the KIA engineer and the City Traffic Engineer is incorrect and is shorter than the actual transport trucks that will be used. As we work with BMW/MINI of North America and their transport company – SML-Logistics - daily for new car deliveries, we know that the size of trucks used are the following, and this is what should be studied instead of a default truck length assumption. Two types of truck are used for new car deliveries, the longer of which is 80'. Additional carriers are used for auction and lease return transport, and we have measured those to be up to 102'. These lengths are only the truck measurement and do not include the truck ramp, the car itself, and backup space to maneuver the cars off the trucks for delivery to the dealership or inventory lots. The length studied should add 9' for the ramp and another 16.5', plus car back-up space of 4'. The truck length to be studied should range from 80' to 102'. Below is a photo of a transport delivery trucks for reference.



Again, we are in the car business and work with these carriers on a weekly basis and know that the studied do not account for industry standards, just an old engineering handbook for placeholder trucks. The truck length for the larger truck + vehicle ramp + car length, should range from ~12' -16.5'. Based on our research, the Kia EV9 is currently Kia's longest car, measuring 197.2 inches in length, or over 16'.

The 80' transport trucks should be studied for 110' (80' truck + 9' ramp + 16'5" car + 4' back-up space). The 102' auction trucks should be studied for 1302' (102' truck + 9' ramp + 16'5" car + 4' back-up space).

Below is a photo of a transport truck unloading with ramp for reference.



Turning Movements

The 115' in front of the KIA dealership within the striped median includes the left-hand turn pocket for the proposed KIA and existing BMW dealerships. As a result, the area isn't available for unloading in front of KIA as it conflicts with the turning movements into the two dealership driveways. As mentioned above, all the other dealerships along Calabasas Road handle new car deliveries and auction car pick-ups in the median loading zone of

Calabasas Road. We know where the KIA transport trucks will park and load/unload, and it will not be at a loading zone in front of their dealership as currently planned.

Street Dedication

We have offered several times in meetings with the City to provide street dedication in front of the Pelican's Retreat property that we own, which is immediately adjacent to the proposed KIA site to the East. We asked our engineer to study this and below us their input.

> Additional dedication will help by widening Calabasas Road beyond the 162 'frontage of the Proposed Kia Dealership. This will allow for wider road to accommodate additional median lane, sidewalk, loading zone, or parking.

We strongly believe this additional road dedication should be studied for the benefit of all businesses along this stretch of Calabasas Road.

Parking

We also have concerns regarding adequate parking for customers, employees, and inventory parking based on the size of the dealership and the volume of cars expected to be moved each month. We are concerned the lack of parking will impact our dealership and parking along Calabasas Road. As part of Applicant review and CEQA, the City should require a complete parking study for inventory, employee, and customer parking based on the volumes projected for this specific dealership. The small size of this dealership doesn't seem to align with the requirements of a high volume auto dealership. We have been told that the dealership expects to have a higher monthly and annual volume than our dealership and our building and site frontage/property size if more than two times that of the KIA building and site. We'd like the City to analyze this closely and require that that KIA secure offsite parking or inventory cars and employee parking as we had to do to meet our inventory and employee parking requirements. In fact, to adequately serve our site, we purchased nearby offsite parking and spent millions of dollars to install car lifts on our property to solve for our parking needs. The KIA dealership is grossly under-parked for the projected sales and inventory. We cannot afford to have their parking issues to impact our dealership operations and customers and employees.

Calabasas Road Speed Limit

Additional mitigation should also be provided to reduce speeds along Calabasas Road. This could include speed bumps, lower speed limits or signage designating this a priority safety corridor. This is especially important since the design facilitates more pedestrian and bicycle connections and increased vehicular traffic.

We urge you to require that the KIA team study the above items further and modify the site design for public safety and a safer community corridor.

Sincerely,

Anne Smith Boland
Vice President