County of Fresno

DEPARTMENT OF PUBLIC WORKS AND PLANNING
STEVEN E. WHITE, DIRECTOR

DATE: July 25, 2024

TO: Department of Public Works and Planning, Attn: Steven E. White, Director
Department of Public Works and Planning, Attn: Bernard Jimenez, Planning and Resource Management Officer
Development Services and Capital Projects, Attn: William M. Kettler, Deputy Director Planning
Development Services and Capital Projects, Attn: Chris Motta, Division Manager
Development Services and Capital Projects, Attn: Tawanda Mtunga, Principal Planner
Development Services and Capital Projects, Current Planning, Attn: David Randall, Senior Planner
Development Services and Capital Projects, Policy Planning, Attn: Mohammad Khorsand, Senior Planner; Alex Pretzer; Dominique Navarrette
Development Services and Capital Projects, Zoning & Permit Review, Attn: Daniel Gutierrez, Senior Planner
Development Services and Capital Projects, Development Engineering, Attn: Laurie Kennedy, Office Assistant III
Water and Natural Resources Division, Attn: Augustine Ramirez, Division Manager; Roy Jimenez
Water and Natural Resources Division, Transportation Planning, Attn: Hector Luna, Senior Planner/Brody Hines, Planner
Road Maintenance and Operations Division, Attn: Wendy Nakagawa, Supervising Engineer
Department of Public Health, Environmental Health Division, Attn: Deep Sidhu, Supervising Environmental Health Specialist; Kevin Tsuda, Environmental Health Specialist
Central Valley Regional Water Quality Control Board; Attn: Matt Scroggins; centralvalleyfresno@waterboards.ca.gov
California Department of Fish and Wildlife, Attn: R4CEQA@wildlife.ca.gov
Santa Rosa Rancheria Tachi Yokut Tribe, Attn: Ruben Barrios, Tribal Chairman/ Hector Franco, Director/Shana Powers, Cultural Specialist II
Fresno County Fire District, Attn: fku.prevention-planning@fire.ca.gov

FROM: Ejaz Ahmad, Planner
Development Services and Capital Projects Division

SUBJECT: Director Review and Approval No. 4775

APPLICANT: Jaime Elias

DUE DATE: **August 8, 2024**

The Department of Public Works and Planning, Development Services and Capital Projects Division is reviewing the subject application proposing to allow a second residence on a 9.6-acre parcel located within the AE-40 (Exclusive Agricultural) Zone District. Second residence not to exceed 2,000 square feet of living area. Owner of record to occupy one of the homes on-site.

The subject parcel is located on the north side of Los Gatos Road approximately 12 miles northwest of the City of Coalinga. (APN: 063-280-11S) (45350 Los Gatos Creek Road, Coalinga).
Based upon this review, a determination will be made regarding conditions to be imposed on the project, including necessary on-site and off-site improvements.

We must have your comments by **August 8, 2024.** Any comments received after this date may not be used.

If you do not have comments, please provide a "NO COMMENT" response to our office by the above deadline (e-mail is also acceptable; see email address below).

Please address any correspondence or questions related to environmental and/or policy/design issues to me, Ejaz Ahmad, Planner, Development Services and Capital Projects Division, Fresno County Department of Public Works and Planning, 2220 Tulare Street, Sixth Floor, Fresno, CA 93721, or call (559) 600-4204, or email eahmad@fresnocountyca.gov

EA
G:\4360Devs&Pln\PROJSEC\PROJDOCS\DRA\4700-4799\4775\Routing\DRA 4775 Routing Ltr.doc

Activity Code (Internal Review): 2392

Enclosures

Date Received: 6/27/24

DRA 4775 (Application No.)

Fresno County Department of Public Works and Planning

MAILING ADDRESS:
Department of Public Works and Planning
Development Services Division
2220 Tulare St., 6th Floor
Fresno, Ca. 93721

LOCATION:
Southwest corner of Tulare & "M" Streets, Suite A
Street Level
Fresno Phone: (559) 600-4497
Toll Free: 1-800-742-1011 Ext. 0-4497

APPLICATION FOR:

- ☐ Pre-Application (Type) _____
- ☐ Amendment Application
- ☐ Amendment to Text
- ☐ Conditional Use Permit
- ☐ Variance (Class)/Minor Variance
- ☐ Site Plan Review/Occupancy Permit
- ☐ No Shoot/Dog Leash Law Boundary
- ☐ General Plan Amendment/Specific Plan/SP Amendment)
- ☐ Time Extension for _____
- ☐ Director Review and Approval
- ☐ for 2nd Residence
- ☐ Determination of Merger
- ☐ Agreements
- ☐ ALCC/RLCC
- ☐ Other _____

DESCRIPTION OF PROPOSED USE OR REQUEST:

Allow a permanent 2nd residence on a 9.6 acre lot, not to exceed 2,500 sq. ft.

CEQA DOCUMENTATION: ☐ *Initial Study* ☐ *PER* ■ *N/A*

PLEASE USE FILL-IN FORM OR PRINT IN BLACK INK. Answer all questions completely. Attach required site plans, forms, statements, and deeds as specified on the Pre-Application Review. **Attach Copy of Deed, including Legal Description.**

LOCATION OF PROPERTY: North side of Los Gatos Creek Road
between Parsons Road and Bear Canyon Road
Street address: 45350 Los Gatos Creek Road, Coalinga, CA 93210

APN: 063 280 11S Parcel size: 9.60 Acres Section(s)-Twp/Rg: S 34 - T 19 S/R 13 E

ADDITIONAL APN(s): _____

I, _____ (*signature*), declare that I am the owner, or authorized representative of the owner, of the above described property and that the application and attached documents are in all respects true and correct to the best of my knowledge. The foregoing declaration is made under penalty of perjury.

Jaime Elias	1440 12th St., #A	Manhattan Beach, CA	90266	310-489-6047
Owner (Print or Type)	Address	City	Zip	Phone
Jaime Elias	1440 12th St., #A	Manhattan Beach, CA	90266	310-489-6047
Applicant (Print or Type)	Address	City	Zip	Phone
Representative (Print or Type)	Address	City	Zip	Phone

CONTACT EMAIL:

OFFICE USE ONLY (*PRINT FORM ON GREEN PAPER*)

Application Type / No.:	DRA 4775	Fee: $ 1,570.00
Application Type / No.:		Fee: $
Application Type / No.:	Pre-app Credit	Fee: $ -247.00
Application Type / No.:		Fee: $
PER/Initial Study No.:		Fee: $
Ag Department Review:		Fee: $ 25.00
Health Department Review:		Fee: $ 432.00
Received By: Ruy	Invoice No.:	TOTAL: $ 1,780.00

UTILITIES AVAILABLE:

WATER: Yes ☐ / No ☐
Agency: _____

SEWER: Yes ☐ / No ☐
Agency: _____

STAFF DETERMINATION: This permit is sought under Ordinance Section: _____

Related Application(s): —

Zone District: AE-40

Parcel Size: 9.6 acres

Sect-Twp/Rg: ____ - T____ S /R____ E

APN # ___ - ___ - ____

APN # ___ - ___ - ____

APN # ___ - ___ - ____

APN # ___ - ___ - ____

THE COUNTY OF FRESNO 1856

Development Services and Capital Projects Division

Contact Person:
RON POPE
468 W. KENOSHA AVE.
CLOVIS, CA 93619
(559) 392-2706
RON.POPE1017@YAHOO.COM

Pre-Application Review

Department of Public Works and Planning

NUMBER: 24-000997
APPLICANT: JAIME ELIAS & KATHRYN J. ELIAS
PHONE: (310) 489-6047/KATHRYN1440@HOTMAIL.COM

PROPERTY LOCATION: 45350 LOS GATOS CREEK ROAD COALINGA, California, 93210, USA
APN(s): 063-280-11S *ALCC:* No X Yes # _____ *VIOLATION NO.* N/A
CNEL: No X Yes ___ (level) *LOW WATER:* No ___ Yes X *WITHIN ½ MILE OF CITY:* No X Yes ___
ZONE DISTRICT: AE-40 ; *SRA:* No ___ Yes X *HOMESITE DECLARATION REQ'D.:* No X Yes ___
LOT STATUS:
Zoning: ( ) Conforms; (X) Legal Non-Conforming lot; ( ) Deed Review Req'd (see Form #236)
Merger: May be subject to merger: No X Yes ___ ZM# _____ Initiated ___ In process ___
Map Act: ( ) Lot of Recorded Map; (X) On '72 rolls; ( ) Other _____; ( ) Deeds Req'd (see Form #236)
SCHOOL FEES: No ___ Yes X *DISTRICT:* Coalinga/Huron Trustee Area 1,West Hills *PERMIT JACKET:* No X Yes ___
FMFCD FEE AREA: (X) Outside ( ) District No.: ___ *FLOOD PRONE:* No ___ Yes *FLOOD ZONE A*
PROPOSAL DRA TO ALLOW A PERM 2ND SFR ON A 9.6-AC LOCATED WITHIN THE AE-40 [EXCLUSIVE AGRICULTURAL, 40-ACRE MIN PAR SIZE] ZONE DISTRICT.

COMMENTS: _____
ORD. SECTION(S): 816.2-W *BY:* O. RAMIREZ *DATE:* 01/26/2024

GENERAL PLAN POLICIES:

LAND USE DESIGNATION: Agricultural
COMMUNITY PLAN: _____
REGIONAL PLAN: _____
SPECIFIC PLAN: _____
SPECIAL POLICIES: _____
SPHERE OF INFLUENCE: _____
ANNEX REFERRAL (LU-G17/MOU): _____

PROCEDURES AND FEES:

( )GPA:		( )MINOR VA:	
( )AA:		(X)HD: $432.00	
( )CUP:		(X)AG COMM: $25.00	
(X)DRA: $1,570.00		( )ALCC:	
( )VA:		( )IS/PER*:	
( )AT:		( )Viol. (35%):	
( )TT:		( )Other:	

Filing Fee: $ 2,027.00
Pre-Application Fee: -$247.00
Total County Filing Fee: $1780.00

COMMENTS: _____

FILING REQUIREMENTS:

(X) Land Use Applications and Fees
(X) This Pre-Application Review form
(X) Copy of Deed / Legal Description
(X) Photographs
( ) Letter Verifying Deed Review
(X) IS Application and Fees* * Upon review of project materials, an Initial Study (IS) with fees may be required.
(X) Site Plans - 4 copies (folded to 8.5"X11") + 1 - 8.5"x11" reduction
(X) Floor Plan & Elevations - 4 copies (folded to 8.5"X11") + 1 - 8.5"x11" reduction
(X) Project Description / Operational Statement (Typed)
( ) Statement of Variance Findings
( ) Statement of Intended Use (ALCC)
(X) Dependency Relationship Statement
( ) Resolution/Letter of Release from City of _____
( ) Nitrogen Loading Analysis or RWQCB supplemental treatment

OTHER FILING FEES:

( ) Archaeological Inventory Fee: $75 at time of filing
(Separate check to Southern San Joaquin Valley Info. Center)
( ) CA Dept. of Fish & Wildlife (CDFW): ($50+$2,764)
(Separate check to Fresno County Clerk for pass-thru to CDFW. Must be paid prior to IS closure and prior to setting hearing date.)

BY: Reymundo Peraza *DATE:* 2-12-24
PHONE NUMBER: (559) 600 - 4224

NOTE: THE FOLLOWING REQUIREMENTS MAY ALSO APPLY:

(X) COVENANT	( ) SITE PLAN REVIEW
( ) MAP CERTIFICATE	( ) BUILDING PLANS
( ) PARCEL MAP	( ) BUILDING PERMITS
( ) FINAL MAP	( ) WASTE FACILITIES PERMIT
( ) FMFCD FEES	(X) SCHOOL FEES
( ) ALUC or ALCC	( ) OTHER *(see reverse side)*

PLU # 113 *Fee:* $247.00
Note: This fee will apply to the application fee if the application is submitted within six (6) months of the date on this receipt.

SRA
Westside Resource Conser
Coalinga/Huron Rec/Park
4th sup. Dist.
Santa Rosa Rancheria
9.6-acres
Coalinga/Huron Trustees Area OVER.....

County of Fresno

DEPARTMENT OF PUBLIC WORKS AND PLANNING
STEVEN E. WHITE, DIRECTOR

AGENT AUTHORIZATION

AUTHORIZATION OF AGENT TO ACT ON BEHALF OF PROPERTY OWNER

The Agent Authorization form is required whenever a property owner grants authority to an individual to submit and/or pursue a land use entitlement application on their behalf. This form must be completed by the property owner and submitted with the land use entitlement application to confirm that the property owner has granted authority to a representative to sign application forms on their behalf and represent them in matters related to a land use entitlement application.

The below named person is hereby authorized to act on my behalf as agent in matters related to land use entitlement applications associated with the property listed below.

RON POPE
Agent Name (Print or Type)

RON POPE & ASSOCIATES
Company Name (Print or Type)

468 W. KENOSHA AVE.
Mailing Address CLOVIS, CA. 93619

CLOVIS, CA. 93619
City / State / Zip Code

(559) 392-2706
Phone Number

ron.pope1017@yahoo.com
Email Address

063-280-11S
Project APN

45350 LOS GATOS CREEK RD.
Project Street Address

☐ A list consisting of ____ additional properties is attached (include the APN for each property).

Project Description (Print or Type):

_____

_____

The undersigned declares under penalty of perjury that they own, possess, control or manage the property referenced in this authorization and that they have the authority to designate an agent to act on behalf of all the owners of said property. The undersigned acknowledges delegation of authority to the designated agent and retains full responsibility for any and all actions this agent makes on behalf of the owner.

Owner Signature

March 8, 2024
Date

Kathryn Elias
Owner Name (Print or Type)

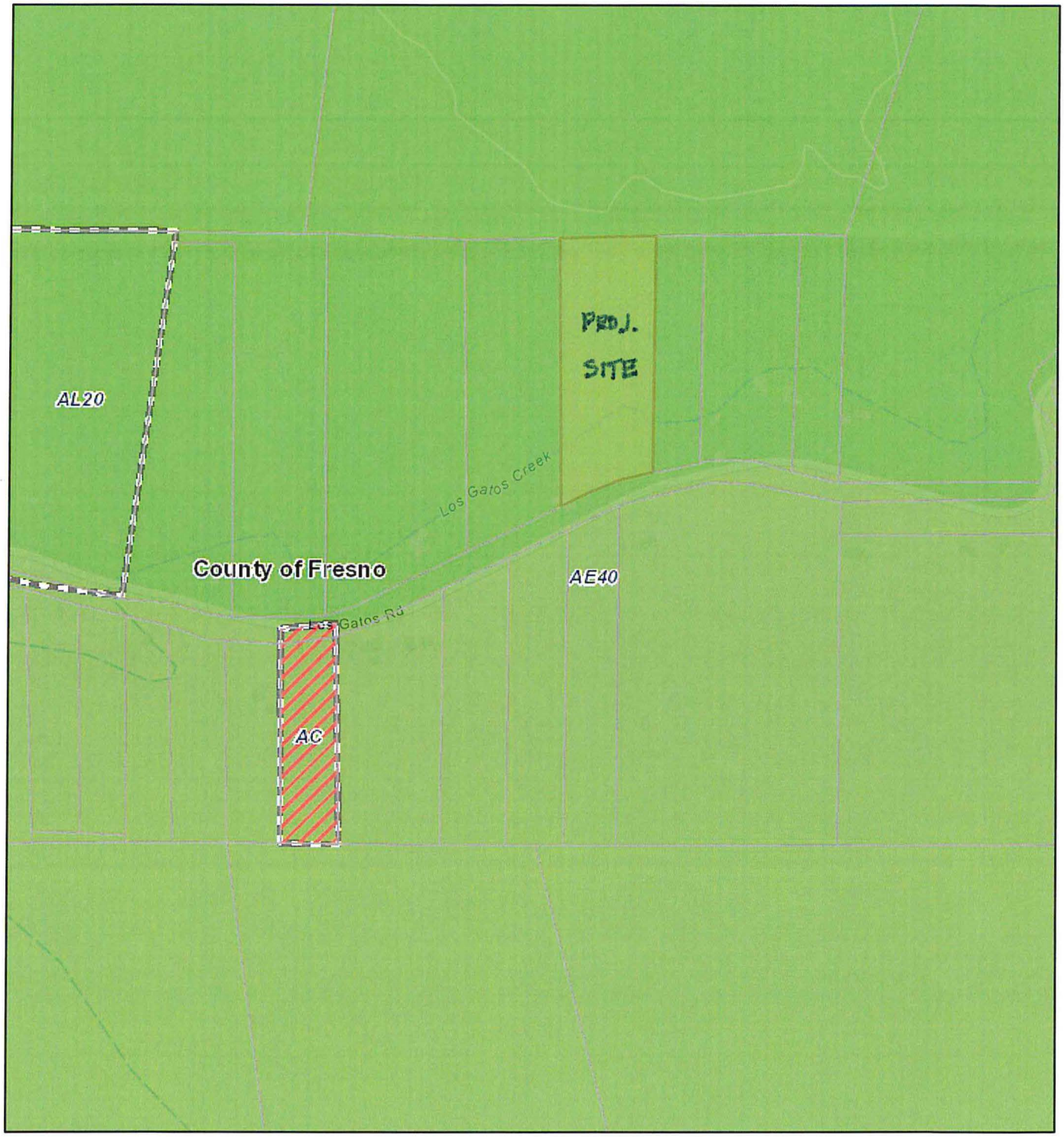
(310) 489-6047
Phone Number

Kathryn1440@hotmail.com
Email Address

** If the legal owner of the property is a corporation, company, partnership or LLC, provide a copy of a legal document with this authorization form showing that the individual signing this authorization form is a duly authorized partner, officer or owner of said corporation, company, partnership or LLC.*

DEVELOPMENT SERVICES AND CAPITAL PROJECTS DIVISION
2220 Tulare Street, Sixth Floor / Fresno, California 93721 / Phone (559) 600-4497 / 600-4022 / 600-4540 / FAX 600-4200
The County of Fresno is an Equal Employment Opportunity Employer

Fresno County Parcel Information



7/24/2024, 9:20:57 AM

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Find Parcel _Query result
State Assembly
AMANDA_PARCEL_DATA

Zoning

A1
A2
AC
AE160
AE20
AE40
AE5
AL20
AL40
C1
C2
C3
C4
C6
CM
CP
CR
M1
M2
M3
O
P
PV
R1
R1A
R1AH
R1B
R1C
R1E
R1EH
R2

Fresno County Public Works and Planning, Esri Community Maps Contributors, Fresno County Dept. PWP, California State Parks, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA, USFWS

Fresno County Public Works & Planning

Fresno County Public Works & Planning

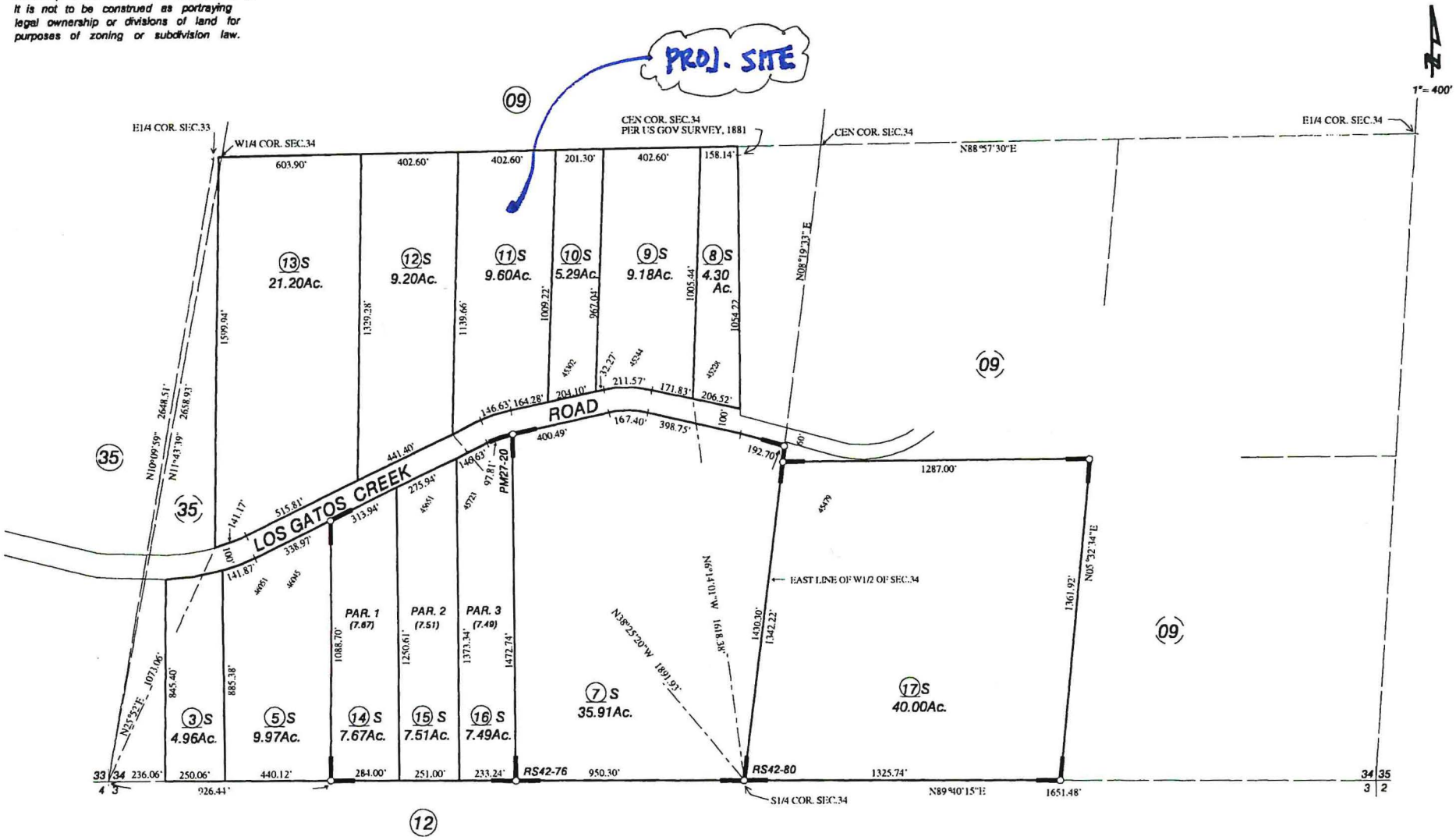
--- NOTE ---

This map is for Assessment purposes only. It is not to be construed as portraying legal ownership or divisions of land for purposes of zoning or subdivision law.

POR. SEC. 34, T.19S., R.13E., M.D.B.&M.

Tax Rate Area 77-001

63-28



Agricultural Preserve
Parcel Map No. 3281 - Bk. 27, Pg. 20
Record of Survey - Bk. 42, Pg. 76
Record of Survey - Bk. 42, Pg. 80

NOTE - Assessor's Block Numbers Shown in Ellipses.
Assessor's Parcel Numbers Shown in Circles.

Assessor's Map Bk. 63 - Pg. 28
County of Fresno, Calif.

07-30-98

County of Fresno

DEPARTMENT OF PUBLIC WORKS AND PLANNING
STEVEN E. WHITE, DIRECTOR

INITIAL STUDY APPLICATION

INSTRUCTIONS

Answer all questions completely. An incomplete form may delay processing of your application. Use additional paper if necessary and attach any supplemental information to this form. Attach an operational statement if appropriate. This application will be distributed to several agencies and persons to determine the potential environmental effects of your proposal. Please complete the form in a legible and reproducible manner (i.e., USE BLACK INK OR TYPE).

OFFICE USE ONLY

IS No. _____

Project No(s). DRA 4775

Application Rec'd.: _____

GENERAL INFORMATION

1. ***Property Owner :*** Jaime and Kathryn Elias ***Phone/Fax*** 310-489-6047
   Mailing Address: 1440 12th Street, #A (*Street*) Manhattan Beach (*City*) CA 90266 (*State/Zip*)

2. ***Applicant :*** Jaime and Kathryn Elias ***Phone/Fax:*** 310-489-6047
   Mailing Address: 1440 12th Street, #A (*Street*) Manhattan Beach (*City*) CA 90266 (*State/Zip*)

3. ***Representative:*** GJ Gardner / Destiny Callison ***Phone/Fax:*** 559-896-7788
   Mailing Address: 2020 2nd Street, Suite 100 (*Street*) Selma (*City*) CA 93662 (*State/Zip*)

4. ***Proposed Project:*** Construction of two single family residences at 45350 Los Gatos Creek Road, Coalinga, CA. (APN: 063 280 11S). Property is 9.60 Acres.

5. ***Project Location:*** 45350 Los Gatos Creek Road, Coalinga, CA.
   APN: 063 280 11S

6. ***Project Address:*** 45350 Los Gatos Creek Road, Coalinga, CA 93210

7. ***Section/Township/Range:*** 34 /19 /13 ***8. Parcel Size:*** 9.6 acres

9. ***Assessor's Parcel No.*** 063 280 11S

OVER.....

10. ***Land Conservation Contract No. (If applicable):*** N/A

11. ***What other agencies will you need to get permits or authorization from:***

_____ *LAFCo (annexation or extension of services)*	_____ *SJVUAPCD (Air Pollution Control District)*
_____ *CALTRANS*	_____ *Reclamation Board*
_____ *Division of Aeronautics*	_____ *Department of Energy*
_____ *Water Quality Control Board*	_____ *Airport Land Use Commission*
_____ *Other* _____	

12. ***Will the project utilize Federal funds or require other Federal authorization subject to the provisions of the National Environmental Policy Act (NEPA) of 1969?*** _____ *Yes* __X__ *No*

If so, please provide a copy of all related grant and/or funding documents, related information and environmental review requirements.

13. ***Existing Zone District[1]:*** 4th Supervisorial District

14. ***Existing General Plan Land Use Designation[1]:*** A540 - Exclusive Agricultural

ENVIRONMENTAL INFORMATION

15. ***Present land use:*** Vacant

Describe existing physical improvements including buildings, water (wells) and sewage facilities, roads, and lighting. Include a site plan or map showing these improvements:

Two private water wells, Two 5,000 gallon water storage tanks, fire supression tank, small water pump house, small storage shed,

PG&E power to property, low water crossing

Describe the major vegetative cover: Native grass and vegetation, Cottonwood, California Oak and Juniper trees

Any perennial or intermittent water courses? If so, show on map: Yes, Los Gatos Creek

Is property in a flood-prone area? Describe:

Main proposed residence - is not in flood prone area

Second proposed residence - is in possible flood prone area, yet is located approximately 100 feet from creek that is typically dry eleven months out of the year.

16. ***Describe surrounding land uses (e.g., commercial, agricultural, residential, school, etc.):***

North: Agricultural - Cattle

South: Residential

East: Residential

West: Residential

17. *What land use(s) in the area may be impacted by your Project?:* None

18. *What land use(s) in the area may impact your project?:* None

19. *Transportation:*

NOTE: The information below will be used in determining traffic impacts from this project. The data may also show the need for a Traffic Impact Study (TIS) for the project.

A. *Will additional driveways from the proposed project site be necessary to access public roads?*
_____ *Yes* _X_ *No*

B. *Daily traffic generation:*

I.	*Residential - Number of Units*	2 residences
	Lot Size	9.6 acres
	Single Family	2
	Apartments	0
II.	*Commercial - Number of Employees*	0
	Number of Salesmen	0
	Number of Delivery Trucks	0
	Total Square Footage of Building	0

III. *Describe and quantify other traffic generation activities:* Two residences on property, residents will include Jaime and Kathryn Elias who currently own two (2) vehicles.

20. *Describe any source(s) of noise from your project that may affect the surrounding area:* None anticipated outside of normal construction noise during the course of the project.

21. *Describe any source(s) of noise in the area that may affect your project:* None

22. *Describe the probable source(s) of air pollution from your project:* None

23. *Proposed source of water:*
(X) private well
( ) community system[3]--name: _____ *OVER.....*

24. *Anticipated volume of water to be used (gallons per day)[2]:* 25

25. *Proposed method of liquid waste disposal:*
(X) septic system/individual
( ) community system[3]–name _____

26. *Estimated volume of liquid waste (gallons per day)[2]:* 15-20

27. *Anticipated type(s) of liquid waste:* Gray and Black water

28. *Anticipated type(s) of hazardous wastes[2]:* None

29. *Anticipated volume of hazardous wastes[2]:* None

30. *Proposed method of hazardous waste disposal[2]:* N/A

31. *Anticipated type(s) of solid waste:* Household trash

32. *Anticipated amount of solid waste (tons or cubic yards per day):* 0.00059 cubic yards

33. *Anticipated amount of waste that will be recycled (tons or cubic yards per day):* 0.00059 cubic yards

34. *Proposed method of solid waste disposal:* Mid Valley Disposal

35. *Fire protection district(s) serving this area:* CalFire and Coalinga Fire Department

36. *Has a previous application been processed on this site? If so, list title and date:* No

37. *Do you have any underground storage tanks (except septic tanks)? Yes_____ No* X

38. *If yes, are they currently in use? Yes_____ No_____*

TO THE BEST OF MY KNOWLEDGE, THE FOREGOING INFORMATION IS TRUE.

SIGNATURE _____ *DATE* 1-24-24

[1]Refer to Development Services and Capital Projects Conference Checklist
[2]For assistance, contact Environmental Health System, (559) 600-3357
[3]For County Service Areas or Waterworks Districts, contact the Resources Division, (559) 600-4259

(Revised 12/14/18)

NOTICE AND ACKNOWLEDGMENT

INDEMNIFICATION AND DEFENSE

The Board of Supervisors has adopted a policy that applicants should be made aware that they may be responsible for participating in the defense of the County in the event a lawsuit is filed resulting from the County's action on your project. You may be required to enter into an agreement to indemnify and defend the County if it appears likely that litigation could result from the County's action. The agreement would require that you deposit an appropriate security upon notice that a lawsuit has been filed. In the event that you fail to comply with the provisions of the agreement, the County may rescind its approval of the project.

STATE FISH AND WILDLIFE FEE

State law requires that specified fees (effective January 1, 2019: $3,271.00 for an EIR; $2,354.75 for a Mitigated/Negative Declaration) be paid to the California Department of Fish and Wildlife (CDFW) for projects which must be reviewed for potential adverse effect on wildlife resources. The County is required to collect the fees on behalf of CDFW. A $50.00 handling fee will also be charged, as provided for in the legislation, to defray a portion of the County's costs for collecting the fees.

The following projects are exempt from the fees:

1. ***All projects statutorily exempt from the provisions of CEQA (California Environmental Quality Act).***

2. ***All projects categorically exempt by regulations of the Secretary of Resources (State of California) from the requirement to prepare environmental documents.***

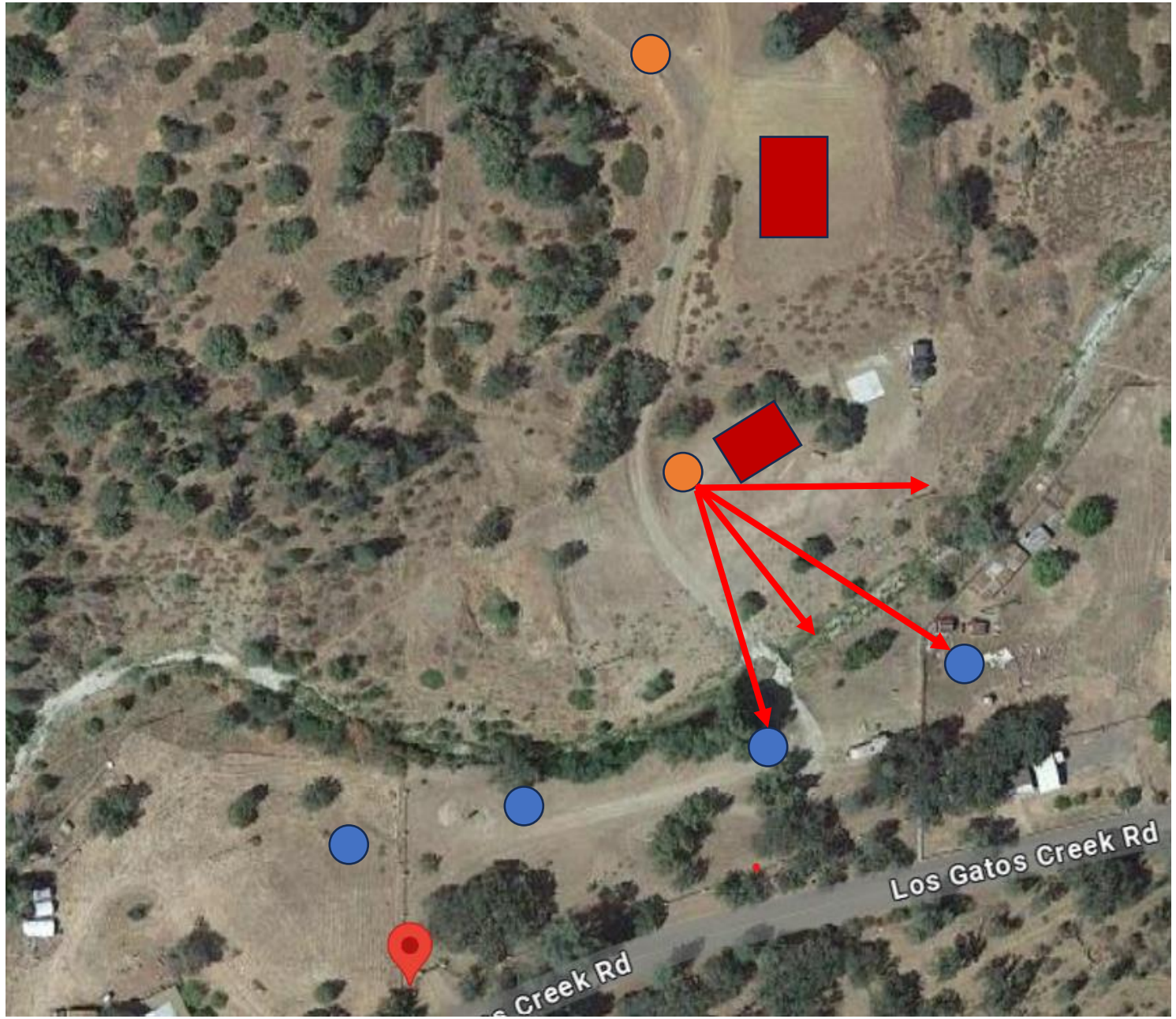
A fee exemption may be issued by CDFW for eligible projects determined by that agency to have "no effect on wildlife." That determination must be provided in advance from CDFW to the County at the request of the applicant. You may wish to call the local office of CDFW at (559) 222-3761 if you need more information.

Upon completion of the Initial Study you will be notified of the applicable fee. Payment of the fee will be required before your project will be forwarded to the project analyst for scheduling of any required hearings and final processing. The fee will be refunded if the project should be denied by the County.

Applicant's Signature

1-24-24

Date



= Proposed Elias Residences

= Proposed Elias Septic tanks

= Elias and Neighbor Private Wells

* Neighbor septic locations unknown

- 157 estimated feet from Elias proposed septic to Los Gatos Creek
- 180 estimated feet to closest property line
- 210 estimated feet to closest Elias private well
- 242 estimated feet to closest neighbor private well

RMA GeoScience
Every Project Matters | www.rmacompanies.com

GEOTECHNICAL CONSULTANTS

March 3, 2023

Report No. 22G-0418-0

Jaime & Kathryn Elias, Owners
1440 12th Street, #A
Manhattan Beach, CA 90266

Subject: **Percolation Testing and Septic Design Report**
Proposed New Septic Systems for Elias Single-Family Residences
45350 Los Gatos Creek Road
Coalinga, CA 93210

Dear Mr. & Mrs. Elias:

In accordance with your request, we have performed an investigation for the planned septic system that will be installed at the subject site. This work was performed in accordance with Appendix H of the 2022 California Plumbing Code and Fresno County Department of Public Health requirements. The results of our percolation testing and absorption area calculations are presented in the accompanying report, which includes a description of site conditions, results of our field exploration, analysis, and recommendations for the proposed septic systems.

We appreciate this opportunity to be of service to you. If you have any questions regarding this report, please do not hesitate to contact us at your convenience.

Respectfully submitted,

RMA GeoScience, Inc.

Megan J. Stewart, GIT
Staff Geologist

Gabriel J. Valov, GIT
Staff Geologist

Josue Montes, PE|GE
Principal Geotechnical Engineer
GE 2904

REGISTERED PROFESSIONAL ENGINEER
JOSUE A. MONTES, JR.
No. GE2904
Exp. 12-31-24
GEOTECHNICAL
STATE OF CALIFORNIA

Distribution: Addressee (3 Originals and a pdf copy to *Eliasjai105@att.net*)

RMA GeoScience
Every Project Matters | www.rmacompanies.com

GEOTECHNICAL CONSULTANTS

ENGINEERED SEPTIC SYSTEM REPORT
PROPOSED NEW SEPTIC SYSTEMS FOR ELIAS SINGLE-FAMILY RESIDENCES
45350 LOS GATOS CREEK ROAD
COALINGA, CALIFORNIA 93210

for

Jaime & Kathryn Elias
1440 12th Street, #A
Manhattan Beach, CA 90266

March 3, 2023

Project No. 22G-0418-0

TABLE OF CONTENTS

1.00 INTRODUCTION

1.01 Purpose

An investigation has been performed to evaluate the soil and groundwater conditions for two new septic systems located at 45350 Los Gatos Creek Road in Coalinga, California. This report provides a description of site conditions, results of our field exploration, analysis, and recommendations for the proposed septic systems.

1.02 Scope of the Investigation

The general scope of this investigation included the following:

- Review of published and unpublished geologic, seismic, groundwater and geotechnical literature.
- Logging, sampling, and backfilling of two test pits excavated with a backhoe.
- Performing eight percolation tests.
- Preparation of this report presenting our findings, analysis, and recommendations.

1.03 Site Location and Description

The project site is located immediately north of Los Gatos Creek Road, approximately 12.2 miles west-northwest of Coalinga, California. The carriage house septic system lies 350 feet north-northwest of the road and 160 feet northwest of Los Gatos Creek, and the main home septic system lies 675 feet north-northwest of the road or 415 feet northwest of Los Gatos Creek, respectively. The location of the site relative to nearby roadways is indicated on Figure 1, Site Vicinity Map. Its geographic position is 36.2318° north latitude and 120.5648 ° west longitude.

Within the area of the planned improvements, the existing ground surface is relatively flat and the general elevation above mean sea level at the project site is approximately 1,564 feet for the carriage house and 1,609 feet for the main house, according to Google Earth. At the time of our field exploration, the site was occupied by a playground. No wells that are currently used for domestic water are located within 100 feet from the location of planned septic system. The nearest well used for either agriculture and/or domestic water use is more than 100 feet from the location of this proposed septic system.

1.04 Planned Improvements

The proposed septic systems will be located northeast of the proposed 3,378 sq ft one-story residence (Main House) and east of the 3,753 sq ft two-story residence (Carriage House), north of Los Gatos Creek Road. The location of the septic system relative to existing structures at the project site is shown on Figure 2, Test Pit and Percolation Test Location Map.

1.05 Investigation Methods

Our investigation consisted of office research, a field exploration, and preparation of this report. It has been performed in a manner consistent with generally accepted engineering and geologic principles and practices, and has incorporated applicable requirements of California Plumbing Code. Definitions of technical terms and symbols used in this report include those of the California Plumbing Code and commonly used geologic nomenclature.

Technical supporting data are presented in the attached appendices. Appendix A presents a description of the methods and equipment used in performing the field exploration and logs of our subsurface exploration. References are presented in Appendix B.

2.00 FINDINGS

2.01 Geologic Setting

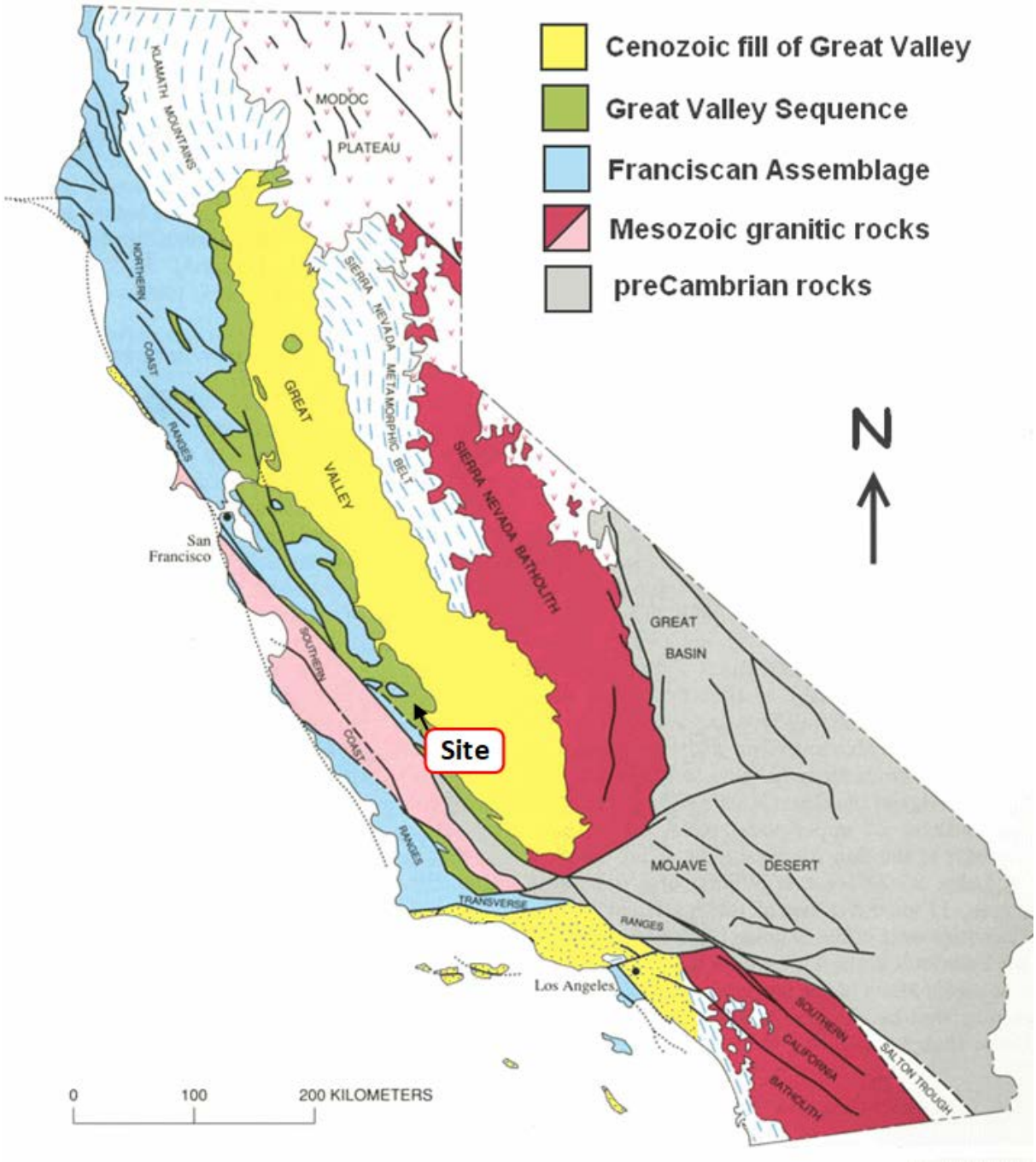
The subject site is located in the central Diablo Range of the Southern California Coast Ranges. The Diablo Range is bounded by to the north by the San Francisco Bay, to the east by the San Joaquin Valley, to the south by the Salinas Valley, and to the west by the San Andres Fault Zone and the Gabilan Range. The site is located in a transition zone between two major terranes: the Franciscan Assemblage and the Great Valley Sequence.

The Franciscan Assemblage, made up of deformed and high pressure and low temperature metamorphosed mafic and ultramafic rocks, was formed around the Late Jurassic through the Miocene (160 to about 20 million years ago) by the offscraping of rocks from a subducting plate dipping to the east (Wakabayashi, 1992; Wakabayashi, 2011).

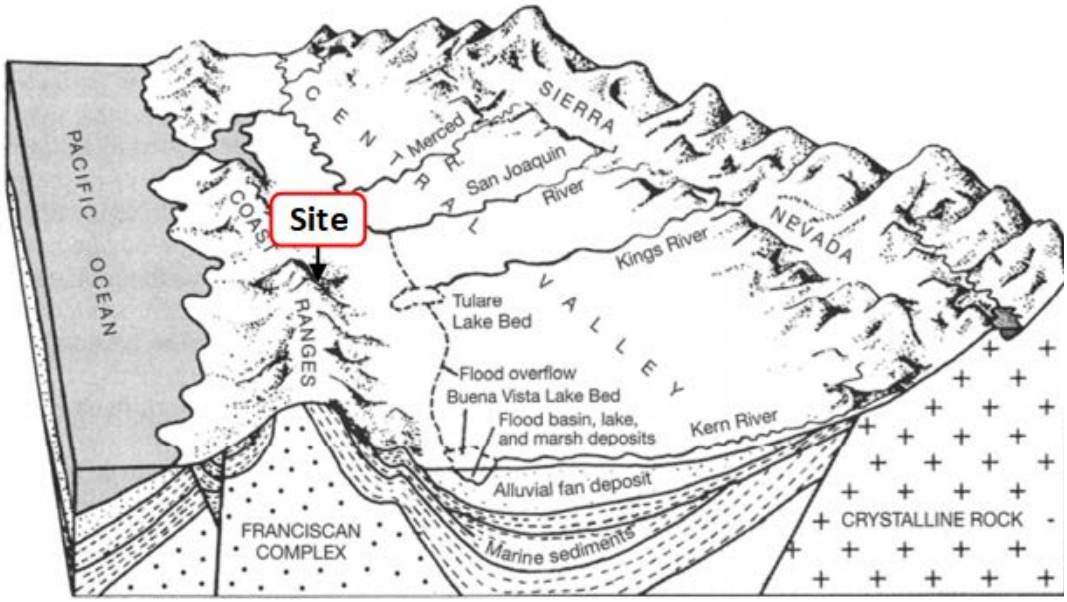
The Great Valley Sequence is a 40,000 foot sequence of marine shale, sandstone, and conglomerate beds, deposited in a deep marine environment during the Late Jurassic through the Cretaceous (150 – 65 million years ago). Overlying the Great Valley Sequence is several thousand feet of Cenozoic alluvium, deposited by: streams and rivers draining from the mountains and creating alluvial fans; by lakes that covered parts of the valley floor from time to time; flooding; and marsh environments (Page, 1986). In some places, it is thousands of feet thick, and more than half of this thickness is composed of fine grained fluvial and lacustrine deposits. Holocene deposition consists mainly of episodic deposition of alluvial sediments (Bartow, 1991; Page, 1986). The project site is situated on Quaternary fan deposits that are several thousand feet deep.

Around 30 million years ago, during the Oligocene, the westward moving North American Plate over-rode the spreading ridge between the Farallon and Pacific plates. This divided the Farallon into two micro-plates: the Juan de Fuca Plate and the Cocos Plate. By 20 million years ago, two triple junctions (where the boundaries of three tectonic plates meet), the Mendocino and Rivera triple junctions, began to migrate north and south along the western margin of North America. The change in plate configuration resulted in the formation of the current transform plate boundary and the San Andreas Fault Zone (Wallace, 1990).

In the area of the site, the Panoche Formation is exposed. The Panoche Formation is a 3,000 foot thick upper Cretaceous age member of the Great Valley Sequence, resting on the Franciscan Assemblage and Coast Range ophiolite, and consists of shale, sandstone, and conglomerates. The project site is located in an area of the Alcalde Shale unit. Overlying the Alcalde Shale are Quaternary surficial deposits of alluvial and colluvial gravels and sands of canyon flood plains.



Geologic map showing the locations of Cenozoic alluvium/fill (yellow) overlying the Great Valley Sequence (green) and the Franciscan Assemblage (blue) Modified from: Irwin (1990).



Geologic block diagram of California. From: Harden (2004). Not to scale.

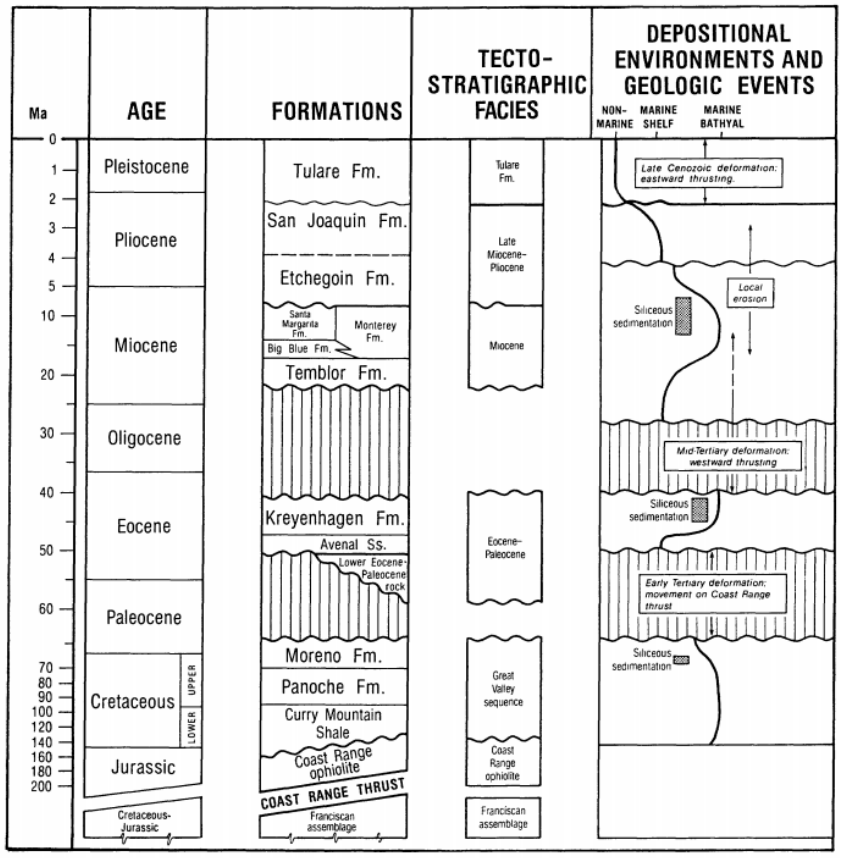


FIGURE 6.2.—Stratigraphy in the Coalinga, California, area. Stratigraphic correlation with the numerical time scale is derived from intercalibration of biozonations, radiometric ages, and the paleomagnetic time scale. Formations are grouped into tectostratigraphic facies that bracket major tectonic events in the Coalinga region.

Stratigraphy in the Coalinga, California area. From: Namson et. al (1990).

2.02 Earth Materials

The soils within the project site at SP-1 generally consisted of silty sand with gravel to 6 feet, underlain by shale bedrock (the Alcalde Shale unit) to the maximum depth explored of 6 feet. The soils within SP-2 generally consisted of fine clayey sand with gravel to 5.5 feet, underlain by weathered shale bedrock (the Alcalde Shale unit) to the maximum depth explored of 10 feet. As indicated above, the soils encountered in the test pits are related to alluvial and colluvial deposits that have been deposited over the past several thousand years.

The approximate locations of the test pits are presented on Figure 2. Logs of our exploratory test pits are presented in Appendix A, which provide more detailed information of the soils that were encountered to the maximum depths explored (up to approximately 10 feet) at the project site.

2.03 Groundwater Conditions

No areas of ponding or standing water were present at the time of our study. Further, no springs or areas of natural seepage were observed at the project site. Los Gatos Creek, a seasonal stream, flows towards the east and northeast within the southern portion of the site.

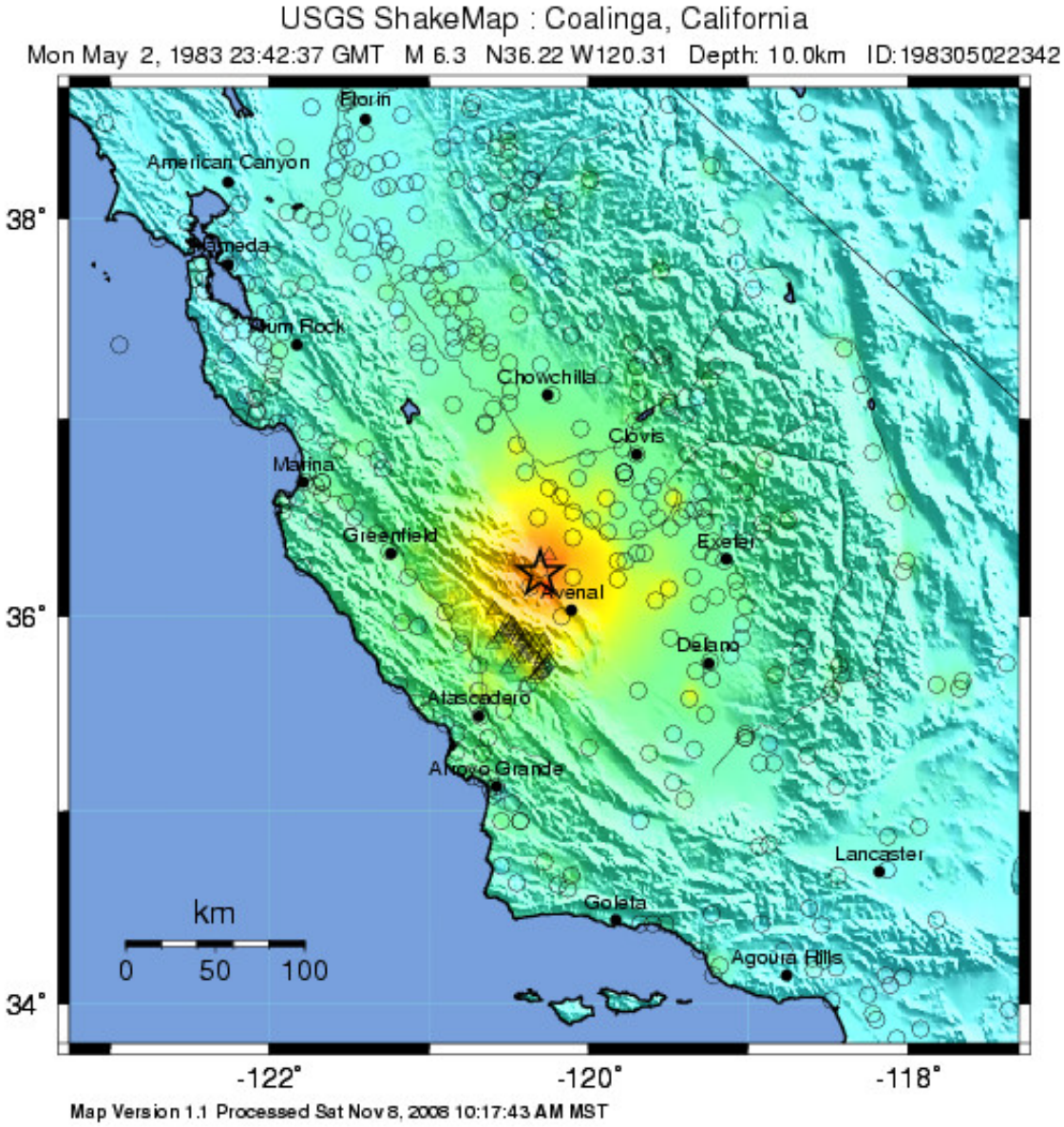
Groundwater in the Coast Ranges is found in seasonal, shallow, and perched aquifers consisting of weathered materials along the bedrock surface and through a complex system of joints and fractures within the bedrock. Depth to groundwater in mountainous areas varies with the local topography and depth to the decomposed granite/bedrock interface. Additionally, irregularities in the underlying bedrock may trap pockets of perched water. Due to the topography and the amount of precipitation that occurs within the vicinity of the project site, shallow perched groundwater or saturated soils could affect the performance of slabs-on-grade.

2.04 Faults and Historical Seismicity

The site is not located within the boundaries of an Earthquake Fault Zone for fault-rupture hazard as defined by the Alquist-Priolo Earthquake Fault Zoning Act and no faults are known to pass through the property. The nearest active earthquake fault zone (evidence of displacement within the past 11,700 years) are the Nunez Fault, the San Andreas Fault Zone, the San Juan Fault Zone, the Ortigalita Fault Zone, and the Calaveras Fault Zone, located approximately 6.1 miles east, 10.3 miles southwest, 35.3 miles south-southeast, 39.9 miles north-northwest, and 43.7 miles northwest, respectively, of the project site.

On May 2, 1983, a 6.2 magnitude (M_w) earthquake with a maximum Mercalli Intensity of VII (Severe) struck roughly 7.5 miles to the northwest of the town of Coalinga with a depth to the epicenter of 6 miles (Bartow, 1990). Unlike other earthquakes in California, this event was not associated with any previously known or suspected faults (Rymer & Ellsworth, 1990). The earthquake was caused by a 20-inch uplift of the Anticline Ridge northeast of Coalinga (Stover & Coffman, 1993). The Nunez Fault, a right-reverse oblique-slip fault, had not ruptured for at least 1,700 to 1,900 years prior to the 1983 event. Ground and aerial surveys done immediately following the May 2 main shock revealed cracks and fissures within 6.2 miles of the epicenter (Rymer et. al, 1990). Five weeks after the main shock on June 11, an aftershock of 5.1 M_w caused surface faulting about 7.5 miles northwest of Coalinga (Stover &

Coffman, 1993). More than 6,000 aftershocks with magnitudes of up to 5.9 M_w, with 894 having a magnitude of 2.5 M_w or larger, were recorded in the 5 months after the May 2 event (Rymer & Ellsworth, 1990; Stover & Coffman, 1993).



PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	none	none	none	Very light	Light	Moderate	Moderate/Heavy	Heavy	Very Heavy
PEAK ACC.(%g)	*<.17*	*.17-1.4*	*1.4-3.9*	*3.9-9.2*	*9.2-18*	18-34	34-65	65-124	>124
PEAK VEL.(cm/s)	<0.1	0.1-1.1	1.1-3.4	3.4-8.1	*8.1-16*	*16-31*	*31-60*	*60-116*	*>116*
INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

USGS Shake Map for the 1983 Coalinga Earthquake mainshock. The star represents the epicenter. From: United States Geological Survey.

2.05 Percolation Test Results

Our field exploration included performing eight percolation tests in the areas of where a new leach fields are planned (see Figure 2). The percolation tests were conducted in accordance with the method described in the "Manual of Septic-Tank Practice" prepared by the U.S. Department of Health, Education, and Welfare. The percolation test holes were hand dug in the bottom of shallow test pits and were 6 inches in diameter and 14 inches deep. After each test hole was excavated, approximately two inches of pea gravel was placed and then the hole was filled with water. Five-gallon water bottles were positioned over the percolation holes and allowed to sit overnight in order to saturate the surrounding soils prior to conducting the percolation tests. The percolation tests for were conducted for a period of approximately 10 to 90 minutes with a reading taken every 1 to 30 minutes. The stabilized percolation (perc.) rates at the test locations are summarized below.

Percolation Test Results –Main House				
Test No.	P-5	P-6	P-7	P-8
Depth* (feet)	2.2	3.2	4.2	5.2
Percolation Rate (min/inch)	60	6.67	1.25	120

***Note**: Depth to bottom of percolation hole.

Based on the results of these tests, a design percolation rate of 46.98 minutes/inch is recommended for the Carriage House. This is based on averaging the percolation rates from P-5, P-6, P-7, and P-8 are located in the area of the planned primary leach fields near SP-2. P-5 through P-8 soils are characterized by fine clayey sand with gravel underlain by weathered shale bedrock.

Percolation Test Results – Carriage House				
Test No.	P-1	P-2	P-3	P-4
Depth* (feet)	2.2	3.2	4.2	5.2
Percolation Rate (min/inch)	2	4	8	2.67

***Note**: Depth to bottom of percolation hole.

Based on the results of these tests, a design percolation rate of 4.17 minutes/inch is recommended for the Carriage House. This is based on averaging the percolation rates from P-1, P-2, P-3, and P-4 are located in the area of the planned primary leach fields near SP-1. P-1 through P-4 soils are characterized by fine to coarse silty sand with gravel.

3.00 ANALYSIS AND RECOMMENDATIONS

3.01 General

Based on our investigation of the soil and groundwater conditions at the project site, a wastewater disposal system that uses a traditional septic tank and leach field is recommended for the existing single-family residence. The new leach field should be located in the vicinity of where our test pit and percolation tests were located as indicated on Figure 2. Other requirements with respect to the location of new septic system include:

- The septic tanks and disposal fields must have a horizontal separation of at least 5 feet from buildings and any onsite domestic water service lines.
- The ground surface must not be paved within the area of the disposal field.
- There must not be any existing or planned water wells within 100 feet of the new disposal field.
- New septic tanks must be located at least 10 feet away from trees.

Specific recommendations for new disposal field that take into account the groundwater conditions and soil percolation rates, are provided below.

3.02 Analysis of Septic System Requirements

Main House:

Based on the 2022 CPC (see Table H 201.1(2) in Appendix H) and the Fresno County LAMP (Table 201), a 5-bedroom home should have a 1,500-gallon septic tank.

Design Factors – Main House	
Design Percolation Rate (min/in)	46.98
Design Absorption Rate (gpds/sf)	0.73
Minimum Septic Tank Capacity (gallons)	1,500
Minimum Absorption Area (sq. ft)	2,060

Assuming a trench depth of 5 feet and a trench width of 3 feet, three leach lines with a minimum length of 87 feet set 6 feet apart, center-on-center (per Table H 601.9 of the 2022 CPC), will provide the minimum absorption area of 2,060 square feet.

Design Details – Main House	
Trench Width (ft)	3
Total Trench Depth (ft)	5
Depth of Line - To Invert (ft)	1.5
Depth of Gravel Below Pipe (ft)	3.5
Minimum Absorption Area (sq. ft)	2,060
Leach Area Per Linear Foot (sq. ft)	8
Required Total Length of Trench (ft)	260
Required Number of Trenches	3 at 87 feet **or** 4 at 65 feet

The analysis to determine the required length of leach line for the new septic system is provided below. As indicated in Section 2.02, the soil profile in this area of the site consisted of fine sandy clay and sparse gravel in the upper 5.5 feet, which was underlain by weather shale bedrock to the maximum depth explored of 10 feet. No groundwater was encountered to the maximum depth explored. Our analysis assumes that the bottom of the 4" leach pipe will be at a depth of 1.5 feet, the leach trenches will be 3 feet wide, and that 3.5 feet of leach rock will be placed below the pipe (bottom of leach trench at 5 feet). As indicated in Section 2.05, a percolation rate of 46.98 minutes per inch (mpi) is recommended for design purposes.

Carriage House:

Based on the 2022 CPC (see Table H 201.1(2) in Appendix H) and the Fresno County LAMP (Table 201), a 4-bedroom home should have a 1,200-gallon septic tank. However, the Fresno County LAMP calls for a 1,500-gallon tank.

Design Factors – Carriage House	
Design Percolation Rate (min/in)	4.17
Design Absorption Rate (gpds/sf)	2.45
Minimum Septic Tank Capacity (gallons)	1,500
Minimum Absorption Area (sq. ft)	615

Assuming a trench depth of 3 feet and a trench width of 3 feet, three leach lines with a minimum length of 52 feet set 6 feet apart, center-on-center (per Table H 601.9 of the 2022 CPC), will provide the minimum absorption area of 615 square feet.

Design Details – Carriage House	
Trench Width (ft)	3
Total Trench Depth (ft)	3
Depth of Line - To Invert (ft)	1.5
Depth of Gravel Below Pipe (ft)	1.5
Minimum Absorption Area (sq. ft)	615
Leach Area Per Linear Foot (sq. ft)	4
Required Total Length of Trench (ft)	155
Required Number of Trenches	3 at 52 feet **or** 4 at 39 feet

The analysis to determine the required length of leach line for the new septic system is provided below. As indicated in Section 2.02, the soil profile in this area of the site consisted of fine to coarse silty sand with gravel to the maximum depth explored of 6 feet. No groundwater was encountered to the maximum depth explored. Our analysis assumes that the bottom of the 4" leach pipe will be at a depth of 1.5 feet, the leach trenches will be 3 feet wide, and that 1.5 feet of leach rock will be placed below the pipe (bottom of leach trench at 3 feet). As indicated in Section 2.05, a percolation rate of 4.17 minutes per inch (mpi) is recommended for design purposes.

3.03 Summary of Septic System Requirements

Main House: Based on the site conditions as described above and analysis, the planned septic systems at the project site should meet the following requirements:

1. The septic system associated with the existing structures must have a septic tank with a minimum capacity of 1,500 gallons. The absorption area for this septic system shall consist of leach trenches that are 3 feet wide and extend 5 feet below the ground surface. The bottom of the leach pipe should be 1.5 feet below the ground surface with 3.5 feet of drain rock under the pipe. The trenches should be set 6 feet apart, center-on-center. The length of the leach trenches will depend on the width and number of trenches that are used, which should meet one of the following options:
    a. Three, 3-foot wide leach trenches that are at least 87 feet in length; or
    b. Four, 3-foot wide leach trenches that are at least 65 feet in length.
2. New septic tanks must have at least two compartments and meet the requirements of the 2022 CPC.
3. A distribution box must be used in the septic system to balance the wastewater flowing to the leach lines. In addition, the septic tank and related distribution box must be installed level for proper flow and distribution of effluent.
4. The end of each leach line must be capped with end caps.
5. The upper 12 inches of leach trench backfill, as a minimum, should consist of native soils compacted to between 85 and 90 percent of the ASTM D1557 maximum dry density.
6. The new septic systems must be installed in accordance with the current Fresno County requirements and guidelines.

Carriage House: Based on the site conditions as described above and analysis, the planned septic systems at the project site should meet the following requirements:

1. The septic system associated with the existing structures must have a septic tank with a minimum capacity of 1,500 gallons. The absorption area for this septic system shall consist of leach trenches that are 3 feet wide and extend 3 feet below the ground surface. The bottom of the leach pipe should be 1.5 feet below the ground surface with 1.5 feet of drain rock under the pipe. The trenches should be set 6 feet apart, center-on-center. The length of the leach trenches will depend on the width and number of trenches that are used, which should meet one of the following options:
    a. Three, 3-foot wide leach trenches that are at least 52 feet in length; or
    b. Four, 3-foot wide leach trenches that are at least 39 feet in length.
2. New septic tanks must have at least two compartments and meet the requirements of the 2022 CPC.
3. A distribution box must be used in the septic system to balance the wastewater flowing to the leach lines. In addition, the septic tank and related distribution box must be installed level for proper flow and distribution of effluent.
4. The end of each leach line must be capped with end caps.
5. The upper 12 inches of leach trench backfill, as a minimum, should consist of native soils compacted to between 85 and 90 percent of the ASTM D1557 maximum dry density.

6. The new septic systems must be installed in accordance with the current Fresno County requirements and guidelines.

3.04 Observation During Construction

According to the Fresno County LAMP, a qualified professional is required for all site evaluations and design submittals. A representative from RMA GeoScience will need to inspect the leach lines prior to backfilling in order to determine if they meet the minimum requirements of this report.

4.00 Closing Statements

The findings in this report were prepared in accordance with generally accepted engineering principles and practices. No other warranty, either express or implied, is made. This report has been prepared for Jaime and Kathryn Elias and the Project Design Team to be used solely for the design and installation of the septic system described above. Anyone using this report for any other purpose must draw their own conclusions regarding required construction procedures and subsurface conditions. It has been assumed that the proposed septic system will be designed and installed in accordance with Fresno County LAMP requirements and the 2022 California Plumbing Code. Should subsurface conditions be encountered during construction that are different from those described in this report, this office should be notified immediately so that our recommendations may be re-evaluated.

FIGURES

Reference: Google Earth 2023

Scale: 1" ≈ 975'

FIGURE 1

SITE VICINITY MAP

Elias Single-Family Residences
45350 Los Gatos Creek Road
Coalinga, California 93210
Project #22G-0418-0

RMA GeoScience
Every *Project* Matters | *www.rmacompanies.com*

State of California – Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
Central Region
1234 East Shaw Avenue
Fresno, California 93710
(559) 243-4593
www.wildlife.ca.gov

EDMUND G. BROWN JR., Governor
CHARLTON H. BONHAM, Director

May 10, 2017

Kathryn and Jaime Elias
1440 12th Street, #A
Manhattan Beach, California 90206

Subject: Complete Notification of Lake or Streambed Alteration
Notification No. 1600-2016-0145-R4
Elias Low Water Crossing
Los Gatos Creek – Fresno County

Dear Mrs. and Mr. Elias:

On July 12, 2016, the California Department of Fish and Wildlife (Department) received your Notification of Lake or Streambed Alteration (Notification). On May 10, 2017, your Notification was deemed complete.

The Department is required to submit a draft Lake or Streambed Alteration Agreement (Agreement) to you within 60 calendar days from the date the Notification is complete, if the Department determines that an Agreement is required for the project. An Agreement will be required if the Department determines that your project could substantially adversely affect an existing fish or wildlife resource. Therefore, the Department has until July 9, 2017 to issue you a draft Agreement or inform you that an Agreement is not required. Because July 9, 2017 is a weekend, the Department has until July 10, 2017 (the next business day) to issue a draft Agreement.

Please be advised that you may not proceed with any work until the Department executes an Agreement, informs you that an Agreement is not needed, or does not provide you with a draft Agreement within 60 days of the date your notification was deemed complete.

If you have any questions regarding this matter, please contact Carrie Swanberg, Environmental Scientist at (559) 243-4014 extension 246 or carrie.swanberg@wildlife.ca.gov.

Sincerely,

Linda Connolly

Linda Connolly
Senior Environmental Scientist Supervisor

28 July 2017

Kathryn Elias
1440 12th Street
Manhattan Beach, CA 90201

CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER FOR ELIAS - LOS GATOS CREEK LOW WATER CROSSING PROJECT (WDID 5C10CR00048), KERN COUNTY

Enclosed please find a Clean Water Act Section 401 Water Quality Certification and Order, authorized by Central Valley Regional Water Quality Control Board Executive Officer, Pamela C. Creedon. This Order is issued to Kathryn Elias for the Elias - Los Gatos Creek Low Water Crossing Project (Project). Attachments A through E of the Enclosure are also part of the Order.

This Order is issued in response to an application submitted by California Department of Transportation for proposed Project discharge to waters of the state, to ensure that the water quality standards for all waters of the state impacted by the Project are met. You may proceed with your Project according to the terms and conditions of the enclosed Order.

If you require further assistance, please contact me by phone at 559-445-6281 or by email at debra.mahnke@waterboards.ca.gov. You may also contact Matt Scroggins, Senior Engineer, by phone at 559-445-6042 or by email at matt.scroggins@waterboards.ca.gov.

Debra Mahnke

Debra Mahnke
Water Resource Control Engineer
Central Valley Water Quality Control Board

Enclosures (2): Order for Elias - Los Gatos Creek Low Water Crossing Project
Water Quality Order No. 2003-0017-DWQ

cc: See following page

cc: (w/ enclosure):

Joe Morgan (Electronic Copy Only)
U.S. Environmental Protection Agency, Region 9
Morgan.Joseph@epa.gov

Kate Dadey
United States Army Corps of Engineers
Sacramento District Headquarters
1325 J Street, Room 1350
Sacramento, CA 95814-2922

Chris Nagano
United States Fish & Wildlife Service
2800 Cottage Way, Rm. W-2605
Sacramento, CA 95825-1846

Julie Vance, Regional Manager (Electronic Copy Only)
San Joaquin Valley-Southern Sierra Region
Department of Fish and Wildlife, Region 4
R4LSA@wildlife.ca.gov

CWA Section 401 WQC Program (Electronic Copy Only)
Division of Water Quality
State Water Resources Control Board
Stateboard401@waterboards.ca.gov

Mike Hill (Electronic Copy Only)
Althouse and Meade, Inc.
mike@alt-me.com

CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER

Effective Date: 27 July 2017

Program Type: Fill/Excavation

Reg. Meas. ID:	412873
Place ID:	834652
WDID:	5C10CR00048
USACOE#	SPK-2016-00741

Project Type: Bridges, Overpasses and Crossings

Project: Elias - Los Gatos Creek Low Water Crossing (Project)

Applicant: Kathryn Elias

Applicant Contact:
Kathryn Elias
1440 12th Street
Manhattan Beach, CA 90201
Phone: (310) 200-5644
Email: kathryn1440@gmail.com

Agent Contact
Mike Hill
Althouse and Meade, Inc.
1602 Spring Street
Paso Robles, CA 93446
Phone: (805) 237-9626
Email: mike@alt-me.com

Water Board Staff:
Debra Mahnke
Water Resource Control Engineer
1685 E Street
Fresno, CA 93706
Phone: (559) 445-6281
Email: debra.mahnke@waterboards.ca.gov

If you have any questions, please call Central Valley Regional Water Quality Control Board (Central Valley Water Board) Staff listed above or (559) 445-5116 and ask to speak with the Water Quality Certification and Wetlands Unit Program Manager.

Table of Contents

I. Order

This Clean Water Act (CWA) section 401 Water Quality Certification action and Order (Order) is issued at the request of Kathryn Elias (hereinafter Permittee) for the Project. This Order is for the purpose described in application and supplemental information submitted by the Permittee. The application was received on 12 April 2017. The application was deemed complete on 12 May 2017.

II. Public Notice

The Central Valley Regional Water Quality Control Board (Central Valley Water Board) provided public notice of the application pursuant to California Code of Regulations, title 23, section 3858 from 21 July 2017 to 11 August 2017. The Central Valley Water Board did not receive any comments during the comment period.

III. Project Purpose

The proposed Project will construct a low-water crossing in Los Gatos Creek to allow vehicular passage for the property owners across the creek.

IV. Project Description

The crossing will be installed at stream grade to prevent aggradation or degradation, and will measure approximately 40 feet long, 12 feet wide, and 24 inches deep. Approximately 24 inches of native soil will be excavated to accommodate the crossing, then put back in the excavated area and compacted to 95 percent or greater. Approximately 18 cubic yards (CY) of Class II road base will be placed in the excavated area and compacted to 95 percent or greater. After compaction, an 18-inch deep, 12-inch wide, 40-feet long trench will be excavated from the upstream and downstream sides of the road base to accommodate a concrete footing. A concrete travel surface pad measuring approximately 40 feet long, 12 feet wide, and 6 inches thick will be poured in place at the same time the footing is poured (approximately 15 CY of concrete total). A layer of 4- to 6-inch diameter rock slope protection (RSP) will be placed along both the upstream and downstream edge of the crossing. The RSP “footprint” will measure approximately 25 feet long, 2 feet wide, and 2 feet deep on each side of the crossing.

V. Project Location

The Project site is generally located at 45350 Los Gatos Creek Road, Coalinga, Section 34, Township 19S, Range 13E, MDBM. Latitude: 36.23142, Longitude: -120.56461. Fresno County. Maps showing the Project location are found in Attachment A of this Order.

VI. Project Impact and Receiving Waters Information

The Project is located within the jurisdiction of Central Valley Regional Water Quality Control Board. Receiving waters and groundwater potentially impacted by this Project are protected in accordance with the applicable water quality control plan (Basin Plan) for the region and other plans and policies which may be accessed online at: http://www.waterboards.ca.gov/plans_policies/. The Basin Plan includes water quality standards, which consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies.

Project impact and receiving waters information can be found in Attachment B. Table 1 of Attachment B shows the receiving waters and beneficial uses of waters of the state impacted by the Project. Individual impact location and quantity is shown in Table 2 of Attachment B.

VII. Description of Direct Impacts to Waters of the State

Total Project fill/excavation quantities for all impacts are summarized in Table 1. Permanent impacts are categorized as those resulting in a physical loss in area and also those degrading ecological condition only.

Table 1: Total Project Fill/Excavation Quantity

Aquatic Resource Type	Temporary Impact[1]			Permanent Impact					
				Physical Loss of Area			Degradation of Ecological Condition Only		
	Acres	CY[2]	LF[2]	Acres	CY[2]	LF[2]	Acres	CY[2]	LF[2]
Streambed	--	--	--	0.013	59	20	--	--	--

VIII. Avoidance and Minimization

All construction activities will be completed when the streambed is dry.

IX. Compensatory Mitigation

Compensatory mitigation is not required.

X. California Environmental Quality Act (CEQA)

The Central Valley Water Board has determined that the Project is exempt from review under CEQA pursuant to California Code of Regulations, title 14, section 15061.

Specifically, the issuance of this Order and the activities described herein meet the exemption criteria under California Code of Regulations, title 14, section 15301 Existing Facilities.

Additionally, the Central Valley Water Board concludes that no exceptions to the CEQA exemption apply to the activities approved by this Order.

The Central Valley Water Board will file a Notice of Exemption with the State Clearinghouse within five (5) working days from the issuance of this Order. (Cal. Code Regs., tit. 14, § 15062.)

XI. Petitions for Reconsideration

Any person aggrieved by this action may petition the State Water Board to reconsider this Order in accordance with California Code of Regulations, title 23, section 3867. A petition for

[1] Includes only temporary direct impacts to waters of the state and does not include upland areas of temporary disturbance which could result in a discharge to waters of the state.

[2] Cubic Yards (CY); Linear Feet (LF)

reconsideration must be submitted in writing and received within 30 calendar days of the issuance of this Order.

XII. Fees Received

An application fee of $720 was received on 14 April 2017. The fee amount was determined as required by California Code of Regulations, title 23, sections 3833(b)(3) and 2200(a)(3), and was calculated as category E - Low Impact Discharges (fee code 19) with the dredge and fill fee calculator.

XIII. Conditions

The Central Valley Water Board has independently reviewed the record of the Project to analyze impacts to water quality and designated beneficial uses within the watershed of the Project. In accordance with this Order, the Permittee may proceed with the Project under the following terms and conditions:

A. Authorization

Impacts to waters of the state shall not exceed quantities shown in Table 1.

B. Reporting and Notification Requirements

The following section details the reporting and notification types and timing of submittals. Requirements for the content of these reporting and notification types are detailed in Attachment C, including specifications for photo and map documentation during the Project. Written reports and notifications must be submitted using the Reporting and Notification Cover Sheet located in Attachment C, which must be signed by the Permittee or an authorized representative.

1. Project Status Notifications

a. Commencement of Construction: The Permittee shall submit a Commencement of Construction Report at least seven (7) days prior to start of initial ground disturbance activities.

b. Request for Notice of Project Complete Letter: The Permittee shall submit a Request for Notice of Project Complete Letter when construction and/or any post-construction monitoring is complete,[3] and no further Project activities will occur. This request shall be submitted to Central Valley Water Board staff within thirty (30) days following completion of all Project activities. Upon approval of the request, the Central Valley Water Board staff shall issue a Notice of Project Complete Letter to the Permittee which will end the post discharge monitoring period and associated annual fees.

2. Conditional Notifications and Reports: The following notifications and reports are required as appropriate.

[3] Completion of post-construction monitoring shall be determined by Central Valley Water Board staff and shall be contingent on successful attainment of restoration and mitigation performance criteria.

a. Accidental Discharges of Hazardous Materials[4]

Following an accidental discharge of a reportable quantity of a hazardous material, sewage, or an unknown material, the following applies (Wat. Code, § 13271):

i. As soon as (A) Permittee has knowledge of the discharge or noncompliance, (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures then:
- first call – 911 (to notify local response agency)
- then call – Office of Emergency Services (OES) State Warning Center at: (800) 852-7550 or (916) 845-8911
- Lastly follow the required OES procedures as set forth in: http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill_Booklet_Feb2014_FINAL_BW_Acc.pdf

ii. Following notification to OES, the Permittee shall notify Central Valley Water Board, as soon as practicable (ideally within 24 hours). Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.

iii. Within five (5) working days of notification to the Central Valley Water Board, the Permittee must submit an Accidental Discharge of Hazardous Material Report.

b. Violation of Compliance with Water Quality Standards: The Permittee shall notify the Central Valley Water Board of any event causing a violation of compliance with water quality standards. Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.

i. Examples of noncompliance events include: lack of storm water treatment following a rain event, discharges causing a visible plume in a water of the state, and water contact with uncured concrete.

ii. This notification must be followed within three (3) working days by submission of a Violation of Compliance with Water Quality Standards Report.

c. In-Water Work- Not Applicable

d. Modifications to Project
Project modifications may require an amendment of this Order. The Permittee shall give advance notice to Central Valley Water Board staff if Project implementation as

[4] "Hazardous material" means any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. "Hazardous materials" include, but are not limited to, hazardous substances, hazardous waste, and any material that a handler or the administering agency has a reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment. (Health & Saf. Code, § 25501.)

described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority by submitting a Modifications to Project Report. The Permittee shall inform Central Valley Water Board staff of any Project modifications that will interfere with the Permittee's compliance with this Order.

C. Water Quality Monitoring

1. **General:** During in-water work, continuous visual surface water monitoring shall be conducted to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete).

2. **Accidental Discharges/Noncompliance:** Upon occurrence of an accidental discharge of hazardous materials or a violation of compliance with a water quality standard, Central Valley Water Board staff may require water quality monitoring based on the discharge constituents and/or related water quality objectives and beneficial uses.

3. **In-Water Work or Diversions- Not Applicable**

4. **Post-Construction:** Visually inspect the Project site during the rainy season for one year to ensure excessive erosion, stream instability, or other water quality pollution is not occurring in or downstream of the Project site. If water quality pollution is occurring, contact the Central Valley Water Board staff member overseeing the Project within three (3) working days. The Central Valley Water Board may require the submission of a Violation of Compliance with Water Quality Standards Report. Additional permits may be required to carry out any necessary site remediation.

D. Standard

1. This Order is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code section 13330, and California Code of Regulations, title 23, chapter 28, Article 6 commencing with sections 3867-3869, inclusive. Additionally, the Central Valley Water Board reserves the right to suspend, cancel, or modify and reissue this Order, after providing notice to the Permittee, if the Central Valley Water Board determines that: the Project fails to comply with any of the conditions of this Order; or, when necessary to implement any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.) or federal Clean Water Act section 303 (33 U.S.C. § 1313). {Delete if WDRs Only}For purposes of Clean Water Act section 401(d), the condition constitutes a limitation necessary to assure compliance with water quality standards and appropriate requirements of state law.

2. This Order is not intended and shall not be construed to apply to any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license, unless the pertinent certification application was filed pursuant to subsection 3855(b) of chapter 28, title 23 of the California Code of Regulations, and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.

3. This Order is conditioned upon total payment of any fee required under title 23 of the California Code of Regulations and owed by the Permittee.

4. In the event of any violation or threatened violation of the conditions of this Order, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state and federal law. For purposes of Clean Water Act, section 401(d), the applicability of any state law authorizing remedies, penalties, processes, or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Order.

E. General Compliance

1. Failure to comply with any condition of this Order shall constitute a violation of the Porter-Cologne Water Quality Control Act and the Clean Water Act. The Permittee and/or discharger may then be subject to administrative and/or civil liability pursuant to Water Code section 13385.

2. Permitted actions must not cause a violation of any applicable water quality standards, including impairment of designated beneficial uses for receiving waters as adopted in the Basin Plans by any applicable Central Valley Water Board or any applicable State Water Board (collectively Water Boards) water quality control plan or policy. The source of any such discharge must be eliminated as soon as practicable.

3. In response to a suspected violation of any condition of this Order, the Central Valley Water Board may require the holder of this Order to furnish, under penalty of perjury, any technical or monitoring reports the Water Boards deem appropriate, provide that the burden, including costs, of the reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. The additional monitoring requirements ensure that permitted discharges and activities comport with any applicable effluent limitations, water quality standards, and/or other appropriate requirement of state law.

4. The Permittee must, at all times, fully comply with engineering plans, specifications, and technical reports submitted to support this Order; and all subsequent submittals required as part of this Order. The conditions within this Order and Attachments supersede conflicting provisions within Permittee submittals.

5. This Order and all of its conditions contained herein continue to have full force and effect regardless of the expiration or revocation of any federal license or permit issued for the Project. For purposes of Clean Water Act, section 401(d), this condition constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements of state law.

F. Administrative

1. Signatory requirements for all document submittals required by this Order are presented in Attachment D of this Order.

2. This Order does not authorize any act which results in the taking of a threatened, endangered or candidate species or any act, which is now prohibited, or becomes

prohibited in the future, under either the California Endangered Species Act (Fish & G. Code, §§ 2050-2097) or the federal Endangered Species Act (16 U.S.C. §§ 1531-1544). If a "take" will result from any act authorized under this Order held by the Permittee, the Permittee must obtain authorization for the take prior to any construction or operation of the portion of the Project that may result in a take. The Permittee is responsible for meeting all requirements of the applicable endangered species act for the Project authorized under this Order.

3. The Permittee shall grant Central Valley Water Board staff, or an authorized representative (including an authorized contractor acting as a Water Board representative), upon presentation of credentials and other documents as may be required by law, permission to:

a. Enter upon the Project or compensatory mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records are kept.

b. Have access to and copy any records that are kept and are relevant to the Project or the requirements of this Order.

c. Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order.

d. Sample or monitor for the purposes of assuring Order compliance.

4. A copy of this Order shall be provided to any consultants, contractors, and subcontractors working on the Project. Copies of this Order shall remain at the Project site for the duration of this Order. The Permittee shall be responsible for work conducted by its consultants, contractors, and any subcontractors.

5. A copy of this Order must be available at the Project site(s) during construction for review by site personnel and agencies. All personnel performing work on the Project shall be familiar with the content of this Order and its posted location at the Project site.

G. Construction

1. Construction equipment shall not be operated in flowing water.

2. Activities shall not cause visible oil, grease, or foam in the stream channel.

3. Refueling of equipment within the floodplain or within 300 feet of the stream channel is prohibited. If critical equipment must be refueled within 300 feet of the stream channel, spill prevention and countermeasures must be implemented to avoid spills. Refueling areas shall be provided with secondary containment including drip pans and/or placement of absorbent material. No hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, or other construction-related potentially hazardous substances should be stored within a floodplain or within 300 feet of the stream channel. The Applicant must perform frequent inspections of construction equipment prior to utilizing it near surface waters to ensure leaks from the equipment are not occurring and are not a threat to water quality.

4. The Permittee shall develop and maintain onsite a project-specific Spill Prevention, Containment and Cleanup Plan outlining the practices to prevent, minimize, and/or

clean up potential spills during construction of the Project. The Plan must detail the Project elements, construction equipment types and location, access and staging and construction sequence.

5. The discharge of petroleum products, any construction materials, hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, raw cement, concrete, asphalt, paint, coating material, drilling fluids, or other construction-related potentially hazardous substances to surface water and/or soil is prohibited. In the event of a prohibited discharge, the Permittee shall notify the Central Valley Water Board Contact within 24-hours of the discharge.

6. Silt fencing, straw wattles, or other effective management practices must be used along the construction zone to minimize soil or sediment along the embankments from migrating into the stream channel through the entire duration of the Project.

7. The use of netting material (e.g., monofilament-based erosion blankets) that could trap aquatic dependent wildlife is prohibited within the Project area.

8. All areas disturbed by Project activities shall be protected from washout and erosion.

9. All temporarily affected areas shall be restored to pre-construction contours and conditions upon completion of construction activities.

10. All materials resulting from the Project shall be removed from the site and disposed of properly.

11. Hydroseeding shall be performed with California native seed mix approved by the California Department of Fish and Wildlife.

H. Certification Deviation

1. Minor modifications of Project locations or predicted impacts may be necessary as a result of unforeseen field conditions, necessary engineering re-design, construction concerns, or similar reasons. Some of these prospective Project modifications may have impacts on the environment. Some modifications of Project locations or predicted impacts may qualify as Certification Deviations as set forth in Attachment E. For purposes of this Certification, a “Certification Deviation” is a Project locational or impact modification that does not require an immediate amendment of the Order, because the Central Valley Water Board has determined that any potential environmental impacts that may result from the change are sufficiently addressed by the Order conditions and the CEQA Findings. After the termination of construction, this Order will be formally amended to reflect all authorized Certification Deviations and any resulting adjustments to the amount of water resource impacts and required compensatory mitigation amounts.

2. A Project modification shall not be granted a Certification Deviation if it warrants or necessitates changes that are not addressed by the Order conditions such that the Project impacts are not addressed in the Project's environmental document or the conditions of this Order. In this case a supplemental environmental review and different Order will be required.

XIV. Water Quality Certification

I hereby issue the Order for the Elias - Los Gatos Creek Low Water Crossing Project, WDID 5C10CR00048, certifying that as long as all of the conditions listed in this Order are met, any discharge from the referenced Project will comply with the applicable provisions of Clean Water Act sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards).

This discharge is also regulated pursuant to State Water Board Water Quality Order No. 2003-0017-DWQ which authorizes this Order to serve as Waste Discharge Requirements pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.).

Except insofar as may be modified by any preceding conditions, all Order actions are contingent on: (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the conditions of this Order and the attachments to this Order, and (b) compliance with all applicable requirements of Statewide Water Quality Control Plans and Policies, and the Regional Water Boards' Water Quality Control Plans and Policies.

Cley L. Rodgers — 7/27/2017

for Pamela C. Creedon — Date
Executive Officer
Central Valley Water Quality Control Board

Attachment A	Project Maps
Attachment B	Receiving Waters, Impact, and Mitigation Information
Attachment C	Report and Notification Requirements
Attachment D	Signatory Requirements
Attachment E	Certification Deviation

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Figure 1. Aerial Photograph

Project Location

APN 063-280-11S Boundary

0 250 500 1,000 Feet

Elias
45350 Los Gatos Creek Road
Coalinga, California 93210

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Map Updated: February 28, 2017, 03:16 PM

ALTHOUSE AND MEADE, INC.
BIOLOGICAL AND ENVIRONMENTAL SERVICES

Figure 2- Project Layout

4"-6" Rock Slope Protection
In Trench 2' W x2' D x 20' L

Concrete Footing
1.5' W x 1.5' D x 40' L

Crossing Surface (poured over footings)
16' W x 6' D x 40' L

Los Gatos Creek Direction of Flow

0 20 40 80
Feet

Elias
45350 Los Gatos Creek Road
Coalinga, California 93210

April 2015 Google Earth Imagery
Map Updated: March 02, 2017, 10:44 AM

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Receiving Waters

The following table shows the receiving waters associated with each impact and Permittee responsible mitigation site.

Table 1: Receiving Water(s) Information

Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID[1]
001	*Los Gatos Creek, a West Side Stream*	*Un-vegetated stream channel*	*559.20*	*Los Gatos Creek*	*AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR*	*N/A*	*N/A*

Individual Direct Impact Locations

The following table shows individual impact locations.

Table 2: Individual Direct Impact Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Dredge			Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet	Acres	Cubic Yards	Linear Feet
001- Un-vegetated Stream Channel	36.23142	-120.56461	☐	☒	Temporary	--	--	--	--	--	--
					Permanent	--	--	--	0.013	59	20

[1] California Rapid Assessment Method (CRAM) score of impacted sites provided by the Permittee.

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Copy of this Form

In order to identify your project, it is necessary to include a copy of the Project specific Cover Sheet below with your report: please retain for your records.

Report Submittal Instructions

1. Check the box on the Report and Notification Cover Sheet next to the report or notification you are submitting **(see your Order for specific reports required for your Project).**

   - **Part A (Annual Report):** This report will be submitted annually from the anniversary of Project effective date until a Notice of Project Complete Letter is issued, if required.
   - **Part B (Project Status Notifications):** Used to notify the Central Valley Water Board of the status of the Project schedule that may affect Project billing.
   - **Part C (Conditional Notifications and Reports):** Required on a case by case basis for accidental discharges of hazardous materials, violation of compliance with water quality standards, notification of in-water work, or other reports.

2. Sign the Report and Notification Cover Sheet and attach all information requested for the Report Type.

3. **Electronic Report Submittal Instructions:**
   - Submit signed Report and Notification Cover Sheet and required information via email to:

     centralvalleyfresno@waterboards.ca.gov and cc: debra.mahnke@waterboards.ca.gov

   - Include in the subject line of the email:
     Subject: ATTN: 401 Certification ; Reg. Measure ID: 412873_Report

Definition of Reporting Terms

1. **Active Discharge Period:** The active discharge period begins with the effective date of this Order and ends on the date that the Permittee receives a Notice of Completion of Discharges Letter or, if no post-construction monitoring is required, a Notice of Project Complete Letter. The Active Discharge Period includes all elements of the Project including site construction and restoration, and any Permittee responsible compensatory mitigation construction.

2. **Request for Notice of Completion of Discharges Letter:** This request by the Permittee to the Central Valley Water Board staff pertains to projects that have post construction monitoring requirements, e.g. if site restoration was required to be monitored for 5 years following construction. Central Valley Water Board staff will review the request and send a Completion of Discharges Letter to the Permittee upon approval. This letter will initiate the post-discharge monitoring period and a change in fees from the annual active discharge fee to the annual post-discharge monitoring fee.

3. **Request for Notice of Project Complete Letter:** This request by the Permittee to the Central Valley Water Board staff pertains to projects that either have completed post-construction monitoring and achieved performance standards or have no post-construction monitoring requirements, and no further Project activities are planned. Central Valley Water Board staff will review the request and send a Project

Complete Letter to the Permittee upon approval. Termination of annual invoicing of fees will correspond with the date of this letter.

4. **Post-Discharge Monitoring Period:** The post-discharge monitoring period begins on the date of the Notice of Completion of Discharges Letter and ends on the date of the Notice of Project Complete Letter issued by the Central Valley Water Board staff. The Post-Discharge Monitoring Period includes continued water quality monitoring or compensatory mitigation monitoring.

5. **Effective Date:** Date of Order issuance.

Map/Photo Documentation Information

When submitting maps or photos, please use the following formats.

1. **Map Format Information:**
   Preferred map formats of at least 1:24000 (1" = 2000') detail (listed in order of preference):
   - **GIS shapefiles**: The shapefiles must depict the boundaries of all project areas and extent of aquatic resources impacted. Each shape should be attributed with the extent/type of aquatic resources impacted. Features and boundaries should be accurate to within 33 feet (10 meters). Identify datum/projection used and if possible, provide map with a North American Datum of 1983 (NAD38) in the California Teale Albers projection in feet.
   - **Google KML files** saved from Google Maps: My Maps or Google Earth Pro. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. Include URL(s) of maps. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
   - **Other electronic format** (CAD or illustration format) that provides a context for location (inclusion of landmarks, known structures, geographic coordinates, or USGS DRG or DOQQ). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
   - Aquatic resource maps marked on paper **USGS 7.5 minute topographic maps** or **Digital Orthophoto Quarter Quads (DOQQ)** printouts. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.

2. **Photo-Documentation:** Include a unique identifier, date stamp, written description of photo details, and latitude/longitude (in decimal degrees) or map indicating location of photo. Successive photos should be taken from the same vantage point to compare pre/post construction conditions.

REPORT AND NOTIFICATION COVER SHEET

Project:	Elias - Los Gatos Creek Low Water Crossing Project
Permittee:	Kathryn Elias
Reg. Meas. ID:	412873 **Place ID:** 834652
Order Effective Date:	27 July 2017

Report Type Submitted

Part A – Project Reporting	
Report Type 1	☐ **Monthly Report**
Report Type 2	☐ **Annual Report**
Part B - Project Status Notifications	
Report Type 3	☐ **Commencement of Construction**
Report Type 4	☐ **Request for Notice of Completion of Discharges Letter**
Report Type 5	☐ **Request for Notice of Project Complete Letter**
Part C - Conditional Notifications and Reports	
Report Type 6	☐ **Accidental Discharge of Hazardous Material Report**
Report Type 7	☐ **Violation of Compliance with Water Quality Standards Report**
Report Type 8	☐ **In-Water Work/Diversions Water Quality Monitoring Report**
Report Type 9	☐ **Modifications to Project Report**
Report Type 10	☐ **Transfer of Property Ownership Report**
Report Type 11	☐ **Transfer of Long-Term BMP Maintenance Report**

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Print Name [1]	**Affiliation and Job Title**
Signature	**Date**

[1]STATEMENT OF AUTHORIZATION (include if authorization has changed since application was submitted)

I hereby authorize _____ to act in my behalf as my representative in the submittal of this report, and to furnish upon request, supplemental information in support of this submittal.

Permittee's Signature _____ Date _____

***This Report and Notification Cover Sheet must be signed by the Permittee or a duly authorized representative and included with all written submittals.**

Part A – Project Reporting (see your Order for specific reports required for your Project)

Report Type 1	**Monthly Report**
Report Purpose	Notifies Central Valley Water Board staff of the Project status and environmental compliance activities on a monthly basis.
When to Submit	Beginning 60 days from beginning of construction until a Notice of Project Complete Letter is issued to the Permittee.
Report Contents	**1. Construction Summary** Describe Project progress and schedule including initial ground disturbance, site clearing and grubbing, road construction, site construction, and the implementation status of construction storm water Best Management Practices (BMPs[1]). If construction has not started, provide estimated start date. **2. Event Summary** Describe distinct Project activities and occurrences, including environmental monitoring, surveys, and inspections. **3. Photo Summary** Provide photos of Project activities. For each photo, include a unique site identifier, date stamp, written description of photo details, and latitude/longitude (in decimal degrees) or map indicating location of photo. Successive photos should be taken from the same vantage point to compare pre/post construction conditions. **4. Compliance Summary** **a)** List name and organization of environmental surveyors, monitors, and inspectors involved with monitoring environmental compliance for the reporting period. **b)** List associated monitoring reports for the reporting period. **c)** Summarize observed incidences of non-compliance, compliance issues, minor problems, or occurrences. **d)** Describe each observed incidence in detail. List monitor name and organization, date, location, type of incident, corrective action taken (if any), status, and resolution.

[1] Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control.

Report Type 2	**Annual Report**
Report Purpose	Notify the Central Valley Water Board staff of Project status during both the active discharge and post-discharge monitoring periods.
When to Submit	Annual reports shall be submitted each year on the anniversary date of the Project effective. Annual reports shall continue until a Notice of Project Complete Letter is issued to the Permittee.
Report Contents	The contents of the annual report shall include the topics indicated below for each project period. Report contents are outlined in Annual Report Topics below. **<u>During the Active Discharge Period</u>** • **Topic 1: Construction Summary** • **Topic 2: Mitigation for Temporary Impacts Status** • **Topic 3: Compensatory Mitigation for Permanent Impacts Status** **<u>During the Post-Discharge Monitoring Period</u>** • **Topic 2: Mitigation for Temporary Impacts Status** • **Topic 3: Compensatory Mitigation for Permanent Impacts Status**
Annual Report Topics (1-3)	
Annual Report Topic 1	**Construction Summary**
When to Submit	With the annual report during the Active Discharge Period.
Report Contents	**1.** Project progress and schedule including initial ground disturbance, site clearing and grubbing, road construction, site construction, and the implementation status of construction storm water best management practices (BMPs). If construction has not started, provide estimated start date and reasons for delay. **2.** Map showing general Project progress. **3.** If applicable: **a.** Summary of Conditional Notification and Report Types 6 and 7 (Part C below). **b.** Summary of Certification Deviations. See Certification Deviation Attachment for further information.
Annual Report Topic 2	**Mitigation for Temporary Impacts Status**
When to Submit	With the annual report during both the Active Discharge Period and Post-Discharge Monitoring Period.
Report Contents	**1.** Planned date of initiation and map showing locations of mitigation for temporary impacts to waters of the state and all upland areas of temporary disturbance which could result in a discharge to waters of the state**.** **2.** If mitigation for temporary impacts has already commenced, provide a map and information concerning attainment of performance standards contained in the restoration plan.
Annual Report Topic 3	**Compensatory Mitigation for Permanent Impacts Status**

When to Submit	With the annual report during both the Active Discharge Period and Post-Discharge Monitoring Period.
Report Contents	***If not applicable report N/A.** **Part A. Permittee Responsible** **1.** Planned date of initiation of compensatory mitigation site installation**.** **2.** If installation is in progress, a map of what has been completed to date. **3.** If the compensatory mitigation site has been installed, provide a final map and information concerning attainment of performance standards contained in the compensatory mitigation plan. **Part B. Mitigation Bank or In-Lieu Fee** **1.** Status or proof of purchase of credit types and quantities. **2.** Include the name of bank/ILF Program and contact information. **3.** If ILF, location of project and type if known.

Part B – Project Status Notifications (see your Order for specific reports required for your Project)

Report Type 3	**Commencement of Construction**
Report Purpose	Notify Central Valley Water Board staff prior to the start of construction.
When to Submit	Must be received at least seven (7) days prior to start of initial ground disturbance activities.
Report Contents	**1.** Date of commencement of construction. **2.** Anticipated date when discharges to waters of the state will occur. **3.** Project schedule milestones including a schedule for onsite compensatory mitigation, if applicable.

Report Type 4	**Request for Notice of Completion of Discharges Letter**
Report Purpose	Notify Central Valley Water Board staff that post-construction monitoring is required and that active Project construction, including any mitigation and permittee responsible compensatory mitigation, is complete.
When to Submit	Must be received by Central Valley Water Board staff within thirty (30) days following completion of all Project construction activities.
Report Contents	**1.** Status of storm water Notice of Termination(s), if applicable. **2.** Status of post-construction storm water BMP installation. **3.** Pre- and post-photo documentation of all Project activity sites where the discharge of dredge and/or fill/excavation was authorized. **4.** Summary of Certification Deviation discharge quantities compared to initial authorized impacts to waters of the state, if applicable. **5.** An updated monitoring schedule for mitigation for temporary impacts to waters of the state and permittee responsible compensatory mitigation during the post-discharge monitoring period, if applicable.

Report Type 5	Request for Notice of Project Complete Letter
Report Purpose	Notify Central Valley Water Board staff that construction and/or any post-construction monitoring is complete, or is not required, and no further Project activity is planned.
When to Submit	Must be received by Central Valley Water Board staff within thirty (30) days following completion of all Project activities.
Report Contents	**Part A: Mitigation for Temporary Impacts** **1.** A report establishing that the performance standards outlined in the restoration plan have been met for Project site upland areas of temporary disturbance which could result in a discharge to waters of the state. **2.** A report establishing that the performance standards outlined in the restoration plan have been met for restored areas of temporary impacts to waters of the state. Pre- and post-photo documentation of all restoration sites. **Part B: Permittee Responsible Compensatory Mitigation** **3.** A report establishing that the performance standards outlined in the compensatory mitigation plan have been met. **4.** Status on the implementation of the long-term maintenance and management plan and funding of endowment. **5.** Pre- and post-photo documentation of all compensatory mitigation sites. **6.** Final maps of all compensatory mitigation areas (including buffers). **Part C: Post-Construction Storm Water BMPs** **7.** Date of storm water Notice of Termination(s), if applicable. **8.** Report status and functionality of all post-construction BMPs.

Part C – Conditional Notifications and Reports (see your Order for specific reports required for your Project)

Report Type 6	Accidental Discharge of Hazardous Material Report
Report Purpose	Notifies Central Valley Water Board staff that an accidental discharge of hazardous material has occurred.
When to Submit	Within five (5) working days following the date of an accidental discharge. Continue reporting as required by Central Valley Water Board staff.
Report Contents	**1.** The report shall include the OES Incident/Assessment Form, a full description and map of the accidental discharge incident (i.e. location, time and date, source, discharge constituent and quantity, aerial extent, and photo documentation). If applicable, the OES Written Follow-Up Report may be substituted. **2.** If applicable, any required sampling data, a full description of the sampling methods including frequency/dates and times of sampling, equipment, locations of sampling sites.

	3. Locations and construction specifications of any barriers, including silt curtains or diverting structures, and any associated trenching or anchoring.

Report Type 7	**Violation of Compliance with Water Quality Standards Report**
Report Purpose	Notifies Central Valley Water Board staff that a violation of compliance with water quality standards has occurred.
When to Submit	The Permittee shall report any event that causes a violation of water quality standards within three (3) working days of the noncompliance event notification to Central Valley Water Board staff.
Report Contents	The report shall include: the cause; the location shown on a map; and the period of the noncompliance including exact dates and times. If the noncompliance has not been corrected, include: the anticipated time it is expected to continue; the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and any monitoring results if required by Central Valley Water Board staff.

Report Type 8	**In-Water Work and Diversions Water Quality Monitoring Report**
Report Purpose	Provides Central Valley Water Board staff of the results of monitoring.
When to Submit	Continue reporting in accordance with the approved water quality monitoring plan or as described in order.
Report Contents	As required by the approved water quality monitoring plan.

Report Type 9	**Modifications to Project Report**
Report Purpose	Notifies Central Valley Water Board staff if the Project, as described in the application materials, is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority.
When to Submit	If Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority.
Report Contents	A description and location of any alterations to Project implementation. Identification of any Project modifications that will interfere with the Permittee's compliance with the Order.

Report Type 10	**Transfer of Property Ownership Report**
Report Purpose	Notifies Central Valley Water Board staff of change in ownership of the Project or Permittee-responsible mitigation area.
When to Submit	At least 10 working days prior to the transfer of ownership.
Report Contents	**1.** A statement that the Permittee has provided the purchaser with a copy of this Order and that the purchaser understands and accepts: **a.** the Order's requirements and the obligation to implement them or be subject to administrative and/or civil liability for failure to do so; and

	b. responsibility for compliance with any long-term BMP[2] maintenance plan requirements in this Order. **2.** A statement that the Permittee has informed the purchaser to submit a written request to the Central Valley Water Board to be named as the permittee in a revised order.

Report Type 11	**Transfer of Long-Term BMP Maintenance Report**
Report Purpose	Notifies Central Valley Water Board staff of transfer of long-term BMP maintenance responsibility.
When to Submit	At least 10 working days prior to the transfer of BMP maintenance responsibility.
Report Contents	A copy of the legal document transferring maintenance responsibility of post-construction BMPs.

[2] Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control.

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SIGNATORY REQUIREMENTS

All Documents Submitted In Compliance With This Order Shall Meet The Following Signatory Requirements:

1. All applications, reports, or information submitted to the Central Valley Water Quality Control Board (Central Valley Water Board) must be signed and certified as follows:

    a) For a corporation, by a responsible corporate officer of at least the level of vice-president.
    b) For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
    c) For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.

2. A duly authorized representative of a person designated in items 1.a through 1.c above may sign documents if:

    a) The authorization is made in writing by a person described in items 1.a through 1.c above.
    b) The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
    c) The written authorization is submitted to the State Water Board Staff Contact prior to submitting any documents listed in item 1 above.

3. Any person signing a document under this section shall make the following certification:

    "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

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Certification Deviation Procedures

Introduction

These procedures are put into place to preclude the need for Order amendments for minor changes in the Project routing or location. Minor changes or modifications in project activities are often required by the Permittee following start of construction. These deviations may potentially increase or decrease impacts to waters of the state. In such cases, a Certification Deviation, as defined in Section XIII.H of the Order, may be requested by the Permittee as set forth below:

Process Steps

Who may apply: The Permittee or the Permittee's duly authorized representative or agent (hereinafter, "Permittee") for this Order.

How to apply: By letter or email to the 401 staff designated as the contact for this Order.

Certification Deviation Request: The Permittee will request verification from the Central Valley Water Board staff that the project change qualifies as a Certification Deviation, as opposed to requiring an amendment to the Order. The request should:

1. Describe the Project change or modification:
    a. Proposed activity description and purpose;
    b. Why the proposed activity is considered minor in terms of impacts to waters of the state and the environment;
    c. How the Project activity is currently addressed in the Order; and,
    d. Why a Certification Deviation is necessary for the Project.
2. Describe location (latitude/longitude coordinates), the date(s) it will occur, as well as associated impact information (i.e., temporary or permanent, federal or non-federal jurisdiction, water body name/type, estimated impact area, etc.) and minimization measures to be implemented.
3. Provide all updated environmental survey information for the new impact area.
4. Provide a map that includes the activity boundaries with photos of the site.
5. Provide verification of any mitigation needed according to the Order conditions.
6. Provide any other information required by Central Valley Water Board staff to determine whether the Project change or modification necessitates additional environmental review. (Cal. Code Regs., tit. 14, §§ 15061, 15162-15164.)

Action by Central Valley Water Board on Request: Central Valley Water Board staff will make a determination on the Certification Deviation request within 10 working days from receipt of a complete request and notify the Permittee via email of the staff determination. Determination of whether a Certification Deviation request is complete is at the discretion of Central Valley Water Board staff.

Post-Discharge Certification Deviation Reporting:

1. Within 30 calendar days of completing the approved Certification Deviation activity, the Permittee will provide a post-discharge activity report that includes the following information:
    a. Activity description and purpose;
    b. Activity location, start date, and completion date;
    c. Erosion control and pollution prevention measures applied;
    d. The net change in impact area by water body type(s) in acres, linear feet and cubic yards;
    e. Mitigation plan, if applicable; and,
    f. Map of activity location and boundaries; post-construction photos.

Action by Water Board on Post-Discharge Activity Report: Central Valley Water Board staff will review the post-discharge Certification Deviation Report within 15 working days from receipt of a complete report. Central Valley Water Board staff will determine, in consultation with the Permittee and other regulatory agencies, if applicable, whether additional mitigation will be required. If additional mitigation is required, Central Valley Water Board staff will inform the Permittee within the 15-day review period. Determination of whether a post-discharge activity report is complete is at the discretion of Central Valley Water Board staff.

Annual Summary Deviation Report:

1. Until a Notice of Completion of Discharges Letter or Notice of Project Complete Letter is issued, include in the Annual Project Report (see Construction Notification and Reporting attachment) a compilation of all Certification Deviation activities through the reporting period with the following information:
    a. Site name(s).
    b. Date(s) of Certification Deviation approval.
    c. Location(s) of authorized activities.
    d. Impact area(s) by water body type prior to activity in acres, linear feet and cubic yards, as originally authorized in the Order.
    e. Actual impact area(s) by water body type in, acres, linear feet and cubic yards, due to Certification Deviation activity(ies).
    f. The net change in impact area by water body type(s) in acres, linear feet and cubic yards;
    g. Mitigation to be provided (approved mitigation ratio and amount).

Action by Central Valley Water Board on Annual Certification Deviation Report: Following issuance of a Notice of Completion of Discharges Letter or Notice of Project Complete Letter, the Central Valley Water Board will amend the Order to reflect all approved Certification Deviations and the amended Order will serve as a record of actual Project activities.

STATE WATER RESOURCES CONTROL BOARD

WATER QUALITY ORDER NO. 2003 - 0017 - DWQ

STATEWIDE GENERAL WASTE DISCHARGE REQUIREMENTS FOR DREDGED OR FILL DISCHARGES THAT HAVE RECEIVED STATE WATER QUALITY CERTIFICATION (GENERAL WDRs)

The State Water Resources Control Board (SWRCB) finds that:

1. Discharges eligible for coverage under these General WDRs are discharges of dredged or fill material that have received State Water Quality Certification (Certification) pursuant to federal Clean Water Act (CWA) section 401.

2. Discharges of dredged or fill material are commonly associated with port development, stream channelization, utility crossing land development, transportation water resource, and flood control projects. Other activities, such as land clearing, may also involve discharges of dredged or fill materials (e.g., soil) into waters of the United States.

3. CWA section 404 establishes a permit program under which the U.S. Army Corps of Engineers (ACOE) regulates the discharge of dredged or fill material into waters of the United States.

4. CWA section 401 requires every applicant for a federal permit or license for an activity that may result in a discharge of pollutants to a water of the United States (including permits under section 404) to obtain Certification that the proposed activity will comply with State water quality standards. In California, Certifications are issued by the Regional Water Quality Control Boards (RWQCB) or for multi-Region discharges, the SWRCB, in accordance with the requirements of California Code of Regulations (CCR) section 3830 et seq. The SWRCB's water quality regulations do not authorize the SWRCB or RWQCBs to waive certification, and therefore, these General WDRs do not apply to any discharge authorized by federal license or permit that was issued based on a determination by the issuing agency that certification has been waived. Certifications are issued by the RWQCB or SWRCB before the ACOE may issue CWA section 404 permits. Any conditions set forth in a Certification become conditions of the federal permit or license if and when it is ultimately issued.

5. Article 4, of Chapter 4 of Division 7 of the California Water Code (CWC), commencing with section 13260(a), requires that any person discharging or proposing to discharge waste, other than to a community sewer system, that could affect the quality of the waters of the State,[1] file a report of waste discharge (ROWD). Pursuant to Article 4, the RWQCBs are required to prescribe waste discharge requirements (WDRs) for any proposed or existing discharge unless WDRs are waived pursuant to CWC section 13269. These General WDRs fulfill the requirements of Article 4 for proposed dredge or fill discharges to waters of the United States that are regulated under the State's CWA section 401 authority.

[1] "Waters of the State" as defined in CWC Section 13050(e)

6. These General WDRs require compliance with all conditions of Certification orders to ensure that water quality standards are met.

7. The U.S. Supreme Court decision of *Solid Waste Agency of Northern Cook County v. U.S. Army Corps of Engineers*, 531 U.S. 159 (2001) (the *SWANCC* decision) called into question the extent to which certain "isolated" waters are subject to federal jurisdiction. The SWRCB believes that a Certification is a valid and enforceable order of the SWRCB or RWQCBs irrespective of whether the water body in question is subsequently determined not to be federally jurisdictional. Nonetheless, it is the intent of the SWRCB that all Certification conditions be incorporated into these General WDRs and enforceable hereunder even if the federal permit is subsequently deemed invalid because the water is not deemed subject to federal jurisdiction.

8. The beneficial uses for the waters of the State include, but are not limited to, domestic and municipal supply, agricultural and industrial supply, power generation, recreation, aesthetic enjoyment, navigation, and preservation and enhancement of fish, wildlife, and other aquatic resources.

9. Projects covered by these General WDRs shall be assessed a fee pursuant to Title 23, CCR section 3833.

10. These General WDRs are exempt from the California Environmental Quality Act (CEQA) because (a) they are not a "project" within the meaning of CEQA, since a "project" results in a direct or indirect physical change in the environment (Title 14, CCR section 15378); and (b) the term "project" does not mean each separate governmental approval (Title 14, CCR section 15378(c)). These WDRs do not authorize any specific project. They recognize that dredge and fill discharges that need a federal license or permit must be regulated under CWA section 401 Certification, pursuant to CWA section 401 and Title 23, CCR section 3855, et seq. Certification and issuance of waste discharge requirements are overlapping regulatory processes, which are both administered by the SWRCB and RWQCBs. Each project subject to Certification requires independent compliance with CEQA and is regulated through the Certification process in the context of its specific characteristics. Any effects on the environment will therefore be as a result of the certification process, not from these General WDRs. (Title 14, CCR section 15061(b)(3)).

11. Potential dischargers and other known interested parties have been notified of the intent to adopt these General WDRs by public hearing notice.

12. All comments pertaining to the proposed discharges have been heard and considered at the November 4, 2003 SWRCB Workshop Session.

13. The RWQCBs retain discretion to impose individual or General WDRs or waivers of WDRs in lieu of these General WDRs whenever they deem it appropriate. Furthermore, these General WDRs are not intended to supersede any existing WDRs or waivers of WDRs issued by a RWQCB.

IT IS HEREBY ORDERED that WDRs are issued to all persons proposing to discharge dredged or fill material to waters of the United States where such discharge is also subject to the water quality certification requirements of CWA section 401 of the federal Clean Water Act (Title 33 United States Code section 1341), and such certification has been issued by the applicable RWQCB or the SWRCB, unless the applicable RWQCB notifies the applicant that its discharge will be regulated through WDRs or waivers of WDRs issued by the RWQCB. In order to meet the provisions contained in Division 7 of CWC and regulations adopted thereunder, dischargers shall comply with the following:

1. Dischargers shall implement all the terms and conditions of the applicable CWA section 401 Certification issued for the discharge. This provision shall apply irrespective of whether the federal license or permit for which the Certification was obtained is subsequently deemed invalid because the water body subject to the discharge has been deemed outside of federal jurisdiction.

2. Dischargers are prohibited from discharging dredged of fill material to waters of the United States without first obtaining Certification from the applicable RWQCB or SWRCB.

CERTIFICATION

The undersigned, Clerk to the Board, does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of the State Water Resources Control Board held on November 19, 2003.

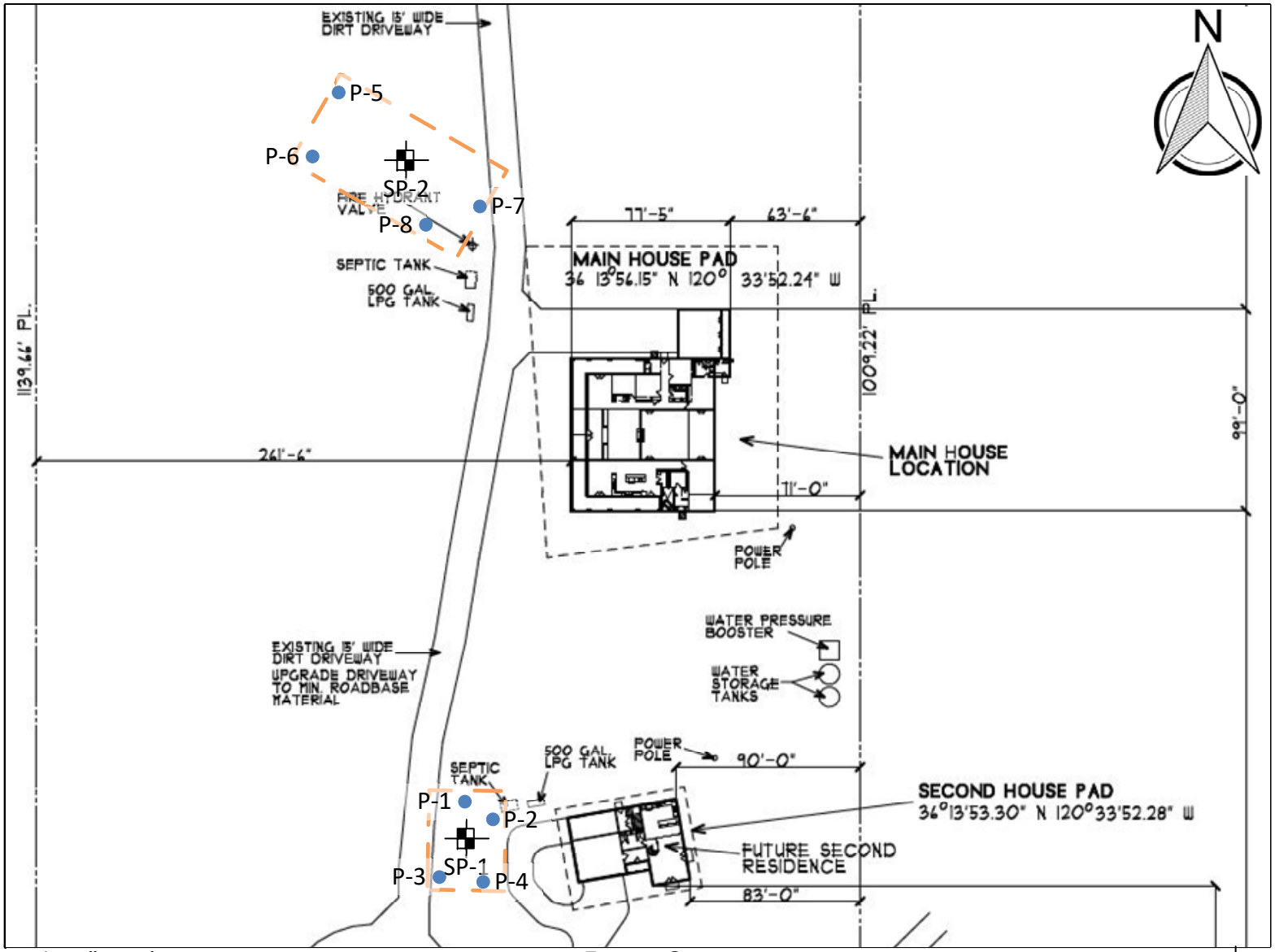
AYE: Arthur G. Baggett, Jr.
Peter S. Silva
Richard Katz
Gary M. Carlton
Nancy H. Sutley

NO: None.

ABSENT: None.

ABSTAIN: None.

Debbie Irvin
Clerk to the Board



Scale: 1" ≈ 77'

FIGURE 2

TEST PIT AND PERCOLATION TEST LOCATION MAP

Proposed New Septic Systems for
Elias Single-Family Residence
45350 Los Gatos Creek Road
Coalinga, California 93210
Project #22G-0418-0

SP-1
Approximate Test Pit Location

P-1
Approximate Percolation Test Locations

Approximate Disposal Field Location

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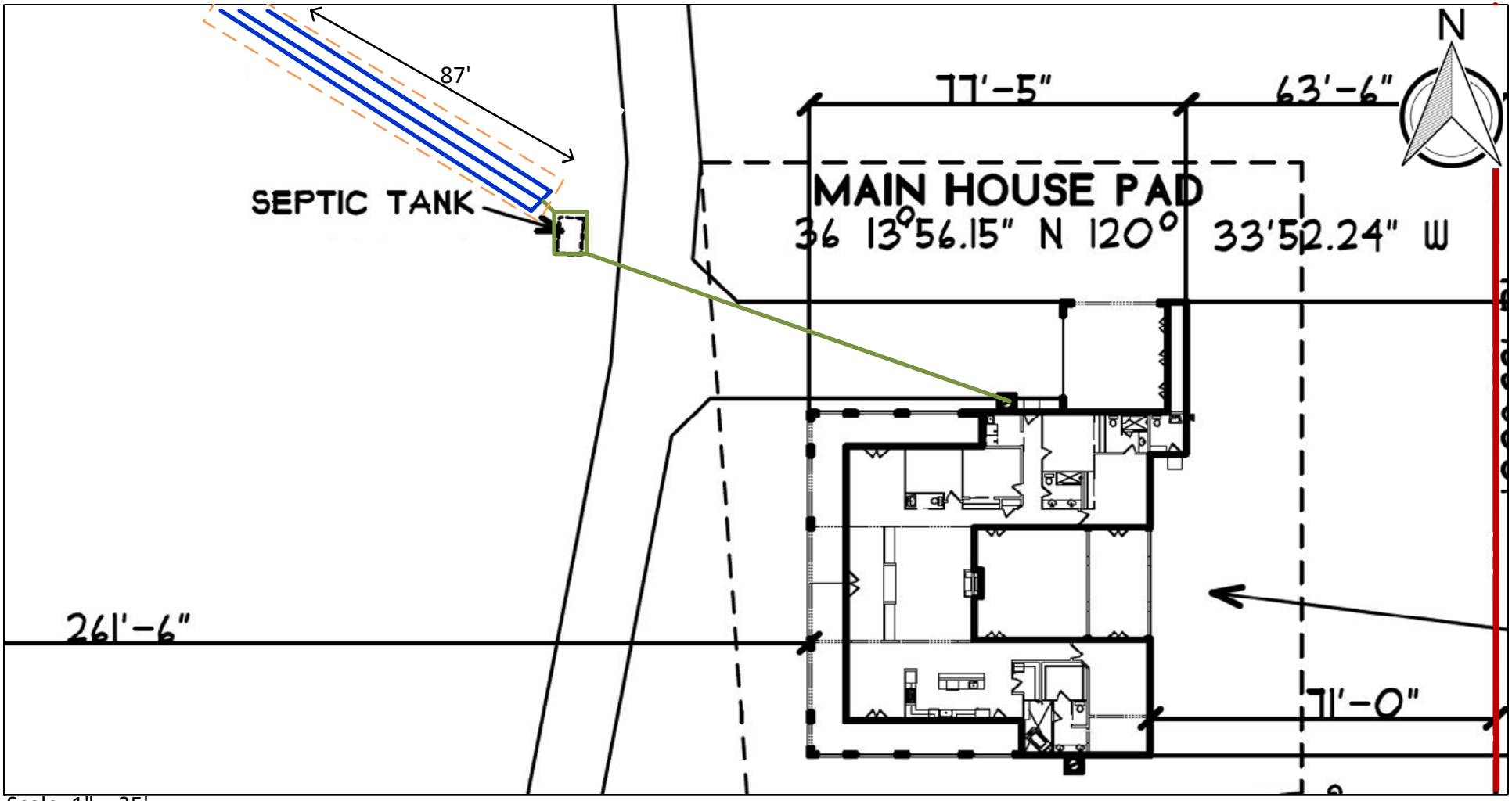

Scale: 1" ≈ 35'

FIGURE 3A

SEPTIC SYSTEM LAYOUT – MAIN HOUSE

Proposed New Septic System for
Elias Single-Family Residences
45350 Los Gatos Creek Road
Coalinga, California 93210
Project #22G-0418-0

Property Line

Approximate Septic Tank Location

Approximate Leach Line Location

Approximate Disposal Field Location

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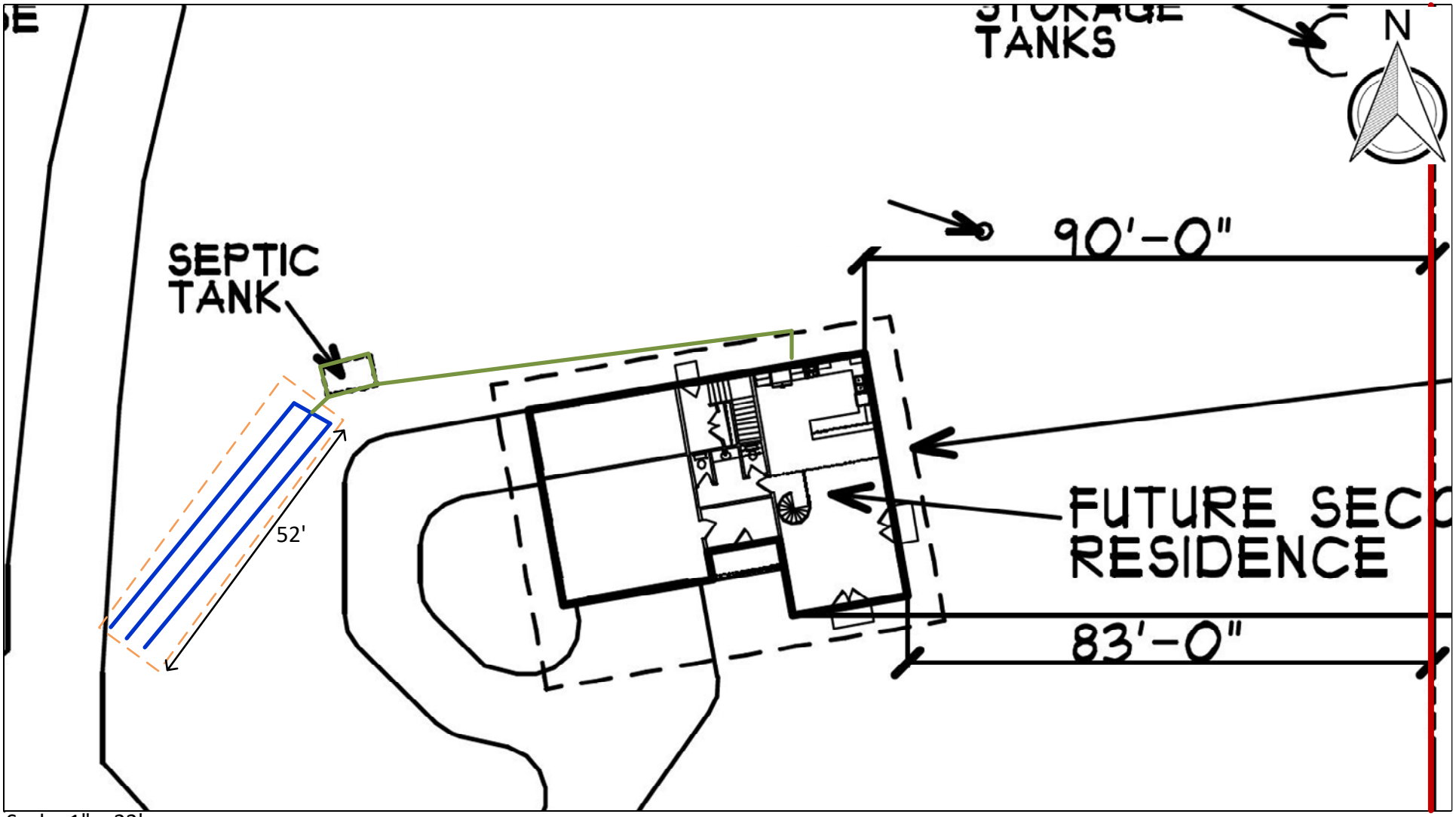

Scale: 1" ≈ 23'

FIGURE 3B

SEPTIC SYSTEM LAYOUT – CARRIAGE HOUSE

Proposed New Septic System for
Elias Single-Family Residences
45350 Los Gatos Creek Road
Coalinga, California 93210
Project #22G-0418-0

Property Line

Approximate Septic Tank Location

Approximate Leach Line Location

Approximate Disposal Field Location

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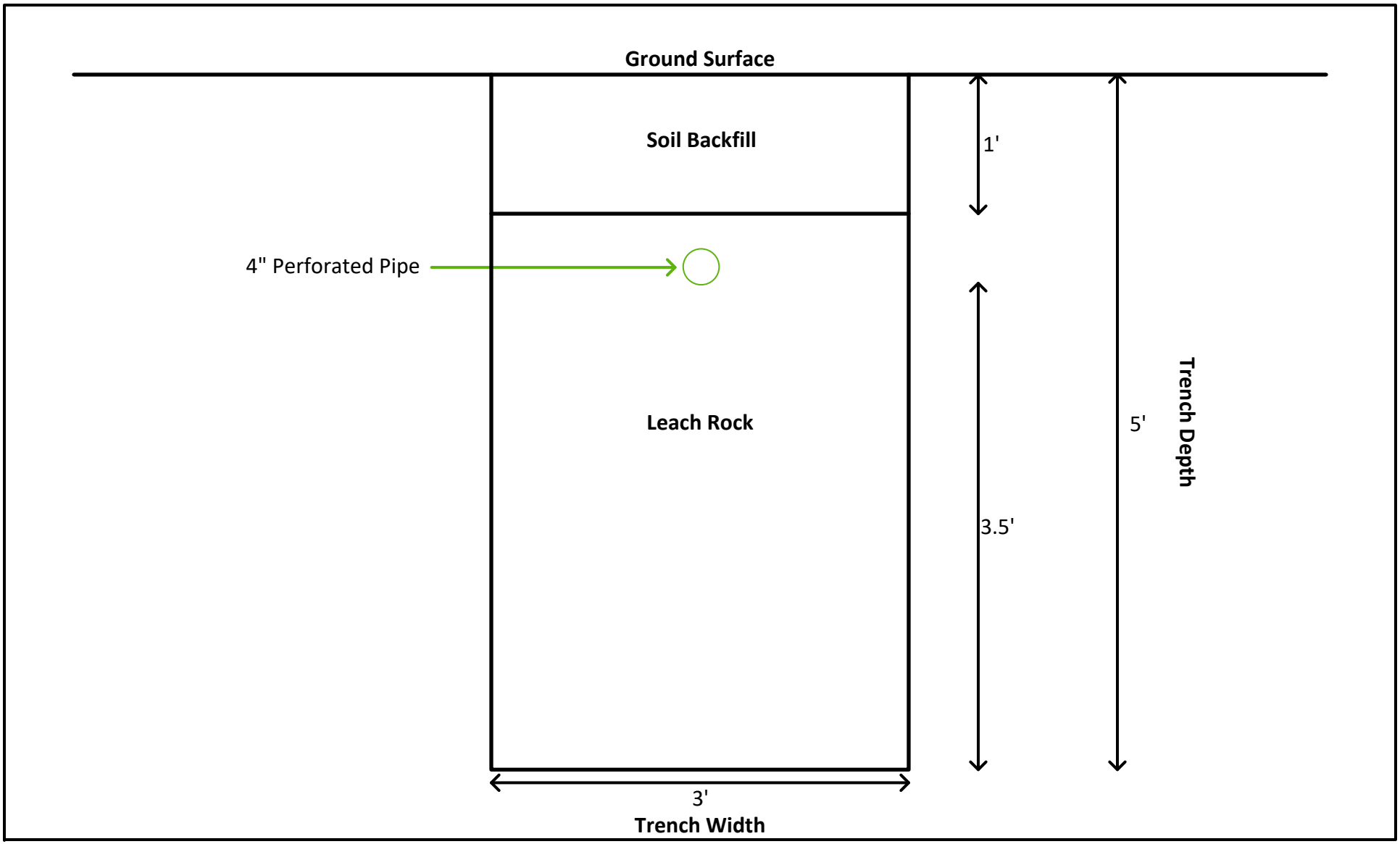

Scale: 1" = 1'

FIGURE 4A

LEACH LINE CROSS SECTION – MAIN HOUSE

Proposed New Septic System for Elias Single-Family Residences
45350 Los Gatos Road
Coalinga, California 93210
Project #22G-0418-0

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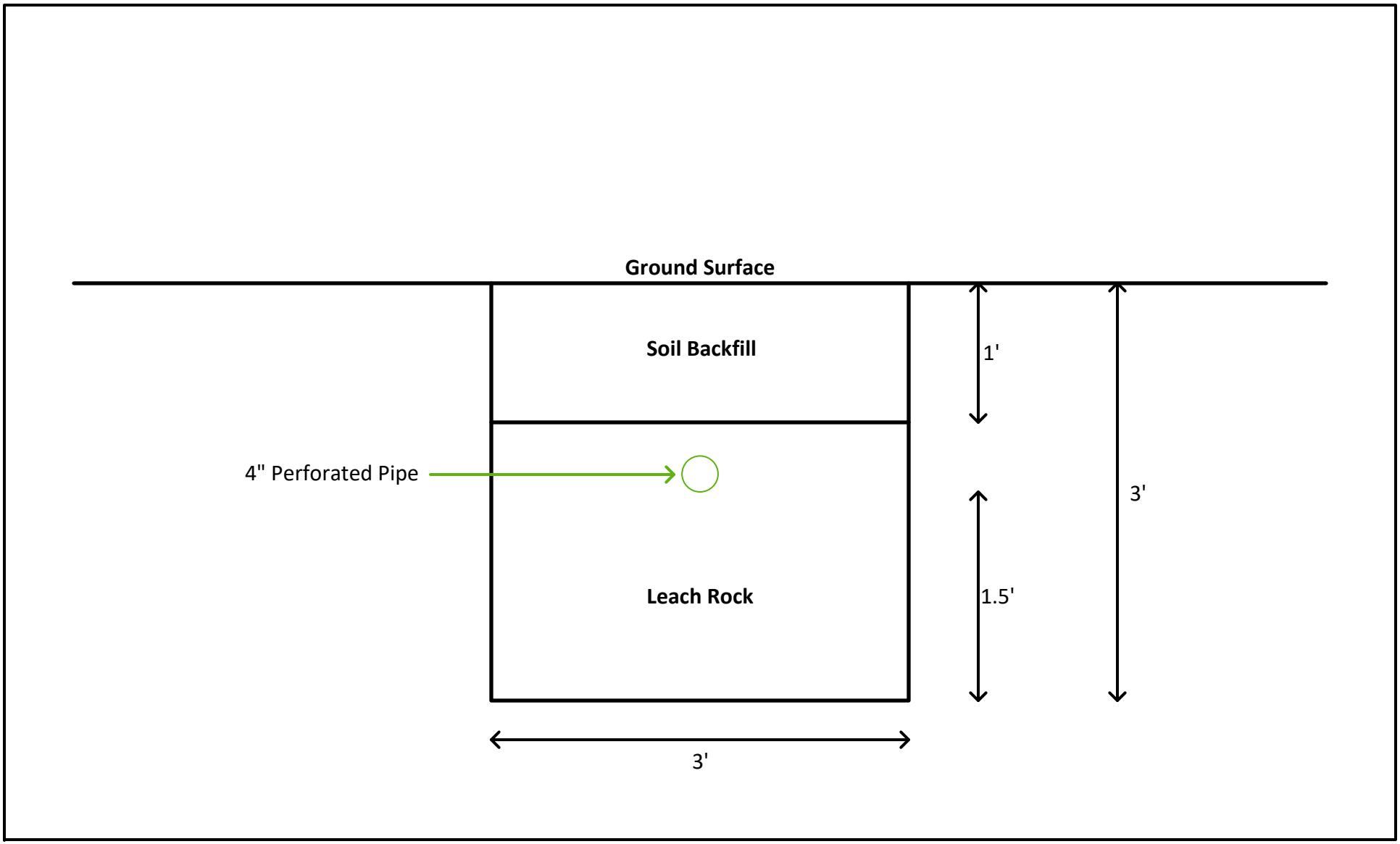

Scale: 1" = 1'

FIGURE 4B

LEACH LINE CROSS SECTION – CARRIAGE HOUSE

Proposed New Septic System for Elias Single-Family Residences
45350 Los Gatos Creek Road
Coalinga, California 93210
Project #22G-0418-0

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APPENDIX A

FIELD INVESTIGATION

APPENDIX A

FIELD INVESTIGATION

A-1.00 FIELD EXPLORATION

A-1.01 Number of Test Pits and Percolation Tests

Our subsurface investigation included excavating 2 test pit to a maximum depth of 10 feet with a Caterpillar 420E backhoe equipped with a 2' wide bucket. In addition, 8 percolation tests were performed to a maximum depth of 5 feet below the existing ground surface. This field exploration was conducted on February 1 and 2, 2023.

A-1.02 Location of Test Pits and Percolation Tests

A Test Pit and Percolation Test Location Map showing the approximate locations of the test pit and percolation tests is presented as Figure 2. GPS coordinates are provided by Google Earth Pro.

A-1.03 Logging Test Pits

Logs of test pits were prepared by a staff geologist and are included in this appendix. The logs contain factual information and interpretation of subsurface conditions between samples. The strata indicated on these logs represent the approximate boundary between earth units and the transition may be gradual. The logs show subsurface conditions at the dates and locations indicated and may not be representative of subsurface conditions at other locations and times.

Identification of the soils encountered during the subsurface exploration was made using the field identification procedure of the Unified Soils Classification System (ASTM D2488). A legend defining the terms used in describing the relative compaction, consistency or firmness of the soil, and moisture level is provided on the following page.

I. SOIL STRENGTH/DENSITY

BASED ON STANDARD PENETRATION TESTS

Compactness of sand		Consistency of clay	
Penetration Resistance N (blows/Ft)	Compactness	Penetration Resistance N (blows/ft)	Consistency
0-4	Very Loose	<2	Very Soft
4-10	Loose	2-4	Soft
10-30	Medium Dense	4-8	Medium Stiff
30-50	Dense	8-15	Stiff
>50	Very Dense	15-30	Very Stiff
		>30	Hard

N = Number of blows of 140 lb. weight falling 30 in. to drive 2-in OD sampler 1 ft.

BASED ON RELATIVE COMPACTION

Compactness of sand		Consistency of clay	
% Compaction	Compactness	% Compaction	Consistency
<75	Loose	<80	Soft
75-83	Medium Dense	80-85	Medium Stiff
83-90	Dense	85-90	Stiff
>90	Very Dense	>90	Very Stiff

II. SOIL MOISTURE

Moisture of sands		Moisture of clays	
% Moisture	Description	% Moisture	Description
<5%	Dry	<12%	Dry
5-12%	Moist	12-20%	Moist
>12%	Very Moist, wet	>20%	Very Moist, wet

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GEOTECHNICAL CONSULTANTS

Exploratory Test Pit Log

Test Pit No. SP-1

Date Explored: February 1st, 2023

Logged By: JV

Location: See Test Pit Location Map

Equipment: CAT 420E Backhoe w/ 2-foot wide bucket

Approximate Ground Surface Elevation: 1,564'

Geographic Position: 36.231860°, -120.564825°

Depth (ft)	Samples: Sample Type	Samples: Blows (blows/ft)	Samples: Bulk Sample	Moisture Content (%)	Dry Density (pcf)	USCS	Graphic Symbol	Material Description
0						SM		**COLLUVIUM:** brown, fine to coarse SILTY SAND with GRAVEL, moist, firm to dig
2.5								
5								. . .practical digging refusal due to SHALE bedrock
7.5								Notes: 1. Test Pit terminated at 6' due to practical digging refusal 2. No groundwater encountered 3. Test Pit backfilled with soil cuttings
10								
12.5								
15								
17.5								

This log contains factual information and interpretation of the subsurface conditions between the samples. The stratum indicated on this log represent the approximate boundary between earth units and the transition may be gradual. The log show subsurface conditions at the date and location indicated, and may not be representative of subsurface conditions at other locations and times.

***Note**

All blow counts associated with a hand held sampler. The sampler dimensions are as follows:

ID = 2.4" OD = 3"

Sample Types: T - Tube Sample; - Bulk Sample

Symbols: - Groundwater; - End of Boring

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GEOTECHNICAL CONSULTANTS

Exploratory Test Pit Log

Test Pit No. SP-2

Date Explored:	February 1st, 2023	Equipment:	CAT 420E Backhoe w/ 2-foot wide bucket
Logged By:	JV	Approximate Ground Surface Elevation:	1,608'
Location:	See Test Pit Location Map	Geographic Position:	36.232769°, -120.564988°

Depth (ft)	Samples: Sample Type	Samples: Blows (blows/ft)	Samples: Bulk Sample	Moisture Content (%)	Dry Density (pcf)	USCS	Graphic Symbol	Material Description
0						SC		**COLLUVIUM:** brown, fine CLAYEY SAND with GRAVEL, moist, easy to dig
5						Kp-a		Weathered SHALE bedrock, hard to dig
10								Notes: 1. Test Pit terminated at 10' 2. No groundwater encountered 3. Test Pit backfilled with soil cuttings

This log contains factual information and interpretation of the subsurface conditions between the samples. The stratum indicated on this log represent the approximate boundary between earth units and the transition may be gradual. The log show subsurface conditions at the date and location indicated, and may not be representative of subsurface conditions at other locations and times.

***Note**

All blow counts associated with a hand held sampler. The sampler dimensions are as follows:
ID = 2.4" OD = 3"

Sample Types: T - Tube Sample; - Bulk Sample

Symbols: - Groundwater; - End of Boring

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PERCOLATION TEST DATA

Project: Elias Single-Family Residences – Carriage House **No.:** 22G-0418-0

Project Location: Coalinga, California

Field Geologist: JV

Percolation Test No.: P-1 **GPS:** 36.231882°, -120.564815°

Test Hole Diameter: 6” **Depth to top of perc. hole:** 1’ (14” perc. hole with 2” of pea gravel)

Soil Description: Silty SAND with Gravel, fine to coarse grained, brown

(Refer to Test Pit SP-1 for description of soil profile within planned leach field.)

Date & Time Presoak Started: February 2, 2023 @ 2:06 PM

Test Date: February 3, 2023

Time of Reading (Hr:Min)	**Elapsed Time** (minutes)	**Water Level** (inches)	**Change in Water Level** (inches)	**Percolation Rate** (minutes/inch)
11:20 AM	--	6	--	--
11:21 AM	1	5	1	1
11:21 AM	--	6	--	--
11:22 AM	1	5	1	1
11:22 AM	--	6	--	--
11:23 AM	1	5.5	0.5	2
11:23 AM	--	6	--	--
11:24 AM	1	5.5	0.5	2
11:24 AM	--	6	--	--
11:25 AM	1	5.5	0.5	2
			Stabilized Percolation Rate:	**2**

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PERCOLATION TEST DATA

Project: Elias Single-Family Residences – Carriage House **No.:** 22G-0418-0

Project Location: Coalinga, California

Field Geologist: JV

Percolation Test No.: P-2 **GPS:** 36.231874°, -120.564791°

Test Hole Diameter: 6” **Depth to top of perc. hole:** 2’ (14” perc. hole with 2” of pea gravel)

Soil Description: Silty SAND with Gravel, fine to coarse grained, brown

(Refer to Test Pit SP-1 for description of soil profile within planned leach field.)

Date & Time Presoak Started: February 2, 2023 @ 2:03 PM

Test Date: February 3, 2023

Time of Reading (Hr:Min)	**Elapsed Time** (minutes)	**Water Level** (inches)	**Change in Water Level** (inches)	**Percolation Rate** (minutes/inch)
11:21 AM	--	6	--	--
11:22 AM	1	5.5	0.5	2
11:22 AM	--	6	--	--
11:23 AM	1	5.5	0.5	2
11:23 AM	--	6	--	--
11:24 AM	1	5.75	0.25	4
11:24 AM	--	6	--	--
11:25 AM	1	5.75	0.25	4
11:25 AM	--	6	--	--
11:26 AM	1	5.75	0.25	4
			Stabilized Percolation Rate:	**4**

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PERCOLATION TEST DATA

Project: Elias Single-Family Residences – Carriage House **No.:** 22G-0418-0

Project Location: Coalinga, California

Field Geologist: JV

Percolation Test No.: P-3 **GPS:** 36.231825°, -120.564870°

Test Hole Diameter: 6” **Depth to top of perc. hole:** 3’ (14” perc. hole with 2” of pea gravel)

Soil Description: Silty SAND with Gravel, fine to coarse grained, brown

(Refer to Test Pit SP-1 for description of soil profile within planned leach field.)

Date & Time Presoak Started: February 2, 2023 @ 2:00 PM

Test Date: February 3, 2023

Time of Reading (Hr:Min)	**Elapsed Time** (minutes)	**Water Level** (inches)	**Change in Water Level** (inches)	**Percolation Rate** (minutes/inch)
11:28 AM	--	6	--	--
11:30 AM	2	5.5	0.5	4
11:30 AM	--	6	--	--
11:32 AM	2	5.75	0.25	8
11:32 AM	--	6	--	--
11:34 AM	2	5.75	0.25	8
11:34 AM	--	6	--	--
11:36 AM	2	5.75	0.25	8
11:36 AM	--	6	--	--
11:38 AM	2	5.75	0.25	8
			Stabilized Percolation Rate:	**8**

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PERCOLATION TEST DATA

Project: Elias Single-Family Residences – Carriage House **No.:** 22G-0418-0

Project Location: Coalinga, California

Field Geologist: JV

Percolation Test No.: P-4 **GPS:** 36.231816°, -120.564844°

Test Hole Diameter: 6” **Depth to top of perc. hole:** 4’ (14” perc. hole with 2” of pea gravel)

Soil Description: Silty SAND with Gravel, fine to coarse grained, brown

(Refer to Test Pit SP-1 for description of soil profile within planned leach field.)

Date & Time Presoak Started: February 2, 2023 @ 1:55 PM

Test Date: February 3, 2023

Time of Reading (Hr:Min)	**Elapsed Time** (minutes)	**Water Level** (inches)	**Change in Water Level** (inches)	**Percolation Rate** (minutes/inch)
11:29 AM	--	6	--	--
11:31 AM	2	5	1	2
11:31 AM	--	6	--	--
11:33 AM	2	5.25	0.75	2.67
11:33 AM	--	6	--	--
11:35 AM	2	5.25	0.75	2.67
11:35 AM	--	6	--	--
11:37 AM	2	5.25	0.75	2.67
11:37 AM	--	6	--	--
11:39 AM	2	5.25	0.75	2.67
			Stabilized Percolation Rate:	**2.67**

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PERCOLATION TEST DATA

Project: Elias Single-Family Residences – Main House **No.:** 22G-0418-0

Project Location: Coalinga, California

Field Geologist: JV

Percolation Test No.: P-5 **GPS:** 36.232821°, -120.565029°

Test Hole Diameter: 6” **Depth to top of perc. hole:** 1’ (14” perc. hole with 2” of pea gravel)

Soil Description: Clayey SAND with Gravel, fine grained, brown

(Refer to Test Pit SP-2 for description of soil profile within planned leach field.)

Date & Time Presoak Started: February 2, 2023 @ 1:40 PM

Test Date: February 3, 2023

Time of Reading (Hr:Min)	**Elapsed Time** (minutes)	**Water Level** (inches)	**Change in Water Level** (inches)	**Percolation Rate** (minutes/inch)
9:05 AM	--	6	--	--
9:20 AM	15	5.75	0.25	60
9:20 AM	--	6	--	--
9:35 AM	15	5.75	0.25	60
9:35 AM	--	6	--	--
9:50 AM	15	5.75	0.25	60
			Stabilized Percolation Rate:	**60**

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PERCOLATION TEST DATA

Project: Elias Single-Family Residences – Main House **No.:** 22G-0418-0

Project Location: Coalinga, California

Field Geologist: JV

Percolation Test No.: P-6 **GPS:** 36.232791°, -120.565068°

Test Hole Diameter: 6” **Depth to top of perc. hole:** 2’ (14” perc. hole with 2” of pea gravel)

Soil Description: Clayey SAND with Gravel, fine grained, brown

(Refer to Test Pit SP-2 for description of soil profile within planned leach field.)

Date & Time Presoak Started: February 2, 2023 @ 1:24 PM

Test Date: February 3, 2023

Time of Reading (Hr:Min)	**Elapsed Time** (minutes)	**Water Level** (inches)	**Change in Water Level** (inches)	**Percolation Rate** (minutes/inch)
9:08 AM	--	6	--	--
9:23 AM	15	3.75	2.25	6.67
9:23 AM	--	6	--	--
9:38 AM	15	3.75	2.25	6.67
9:38 AM	--	6	--	--
9:53 AM	15	3.75	2.25	6.67
			Stabilized Percolation Rate:	**6.67**

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PERCOLATION TEST DATA

Project: Elias Single-Family Residences – Main House **No.:** 22G-0418-0

Project Location: Coalinga, California

Field Geologist: JV

Percolation Test No.: P-7 **GPS:** 36.232703°, -120.564840°

Test Hole Diameter: 6” **Depth to top of perc. hole:** 3’ (14” perc. hole with 2” of pea gravel)

Soil Description: Clayey SAND with Gravel, fine grained, brown

(Refer to Test Pit SP-2 for description of soil profile within planned leach field.)

Date & Time Presoak Started: February 2, 2023 @ 1:20 PM

Test Date: February 3, 2023

Time of Reading (Hr:Min)	**Elapsed Time** (minutes)	**Water Level** (inches)	**Change in Water Level** (inches)	**Percolation Rate** (minutes/inch)
9:12 AM	--	6	--	--
9:17 AM	5	2	4	1.25
9:17 AM	--	6	--	--
9:22 AM	5	2	4	1.25
9:22 AM	--	6	--	--
9:27 AM	5	2	4	1.25
9:27 AM	--	6	--	--
9:32 AM	5	2	4	1.25
			Stabilized Percolation Rate:	**1.25**

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PERCOLATION TEST DATA

Project: Elias Single-Family Residences – Main House **No.:** 22G-0418-0

Project Location: Coalinga, California

Field Geologist: JV

Percolation Test No.: P-8 **GPS:** 36.232668°, -120.564871°

Test Hole Diameter: 6” **Depth to top of perc. hole:** 4’ (14” perc. hole with 2” of pea gravel)

Soil Description: Clayey SAND with Gravel, fine grained, brown

(Refer to Test Pit SP-2 for description of soil profile within planned leach field.)

Date & Time Presoak Started: February 2, 2023 @ 1:00 PM

Test Date: February 3, 2023

Time of Reading (Hr:Min)	**Elapsed Time** (minutes)	**Water Level** (inches)	**Change in Water Level** (inches)	**Percolation Rate** (minutes/inch)
9:13 AM	--	6	--	--
9:43 AM	30	5.75	0.25	120
9:43 AM	--	6	--	--
10:13 AM	30	5.75	0.25	120
10:13 AM	--	6	--	--
10:43 AM	30	5.75	0.25	120
			Stabilized Percolation Rate:	**120**

APPENDIX B

REFERENCES

APPENDIX B

REFERENCES

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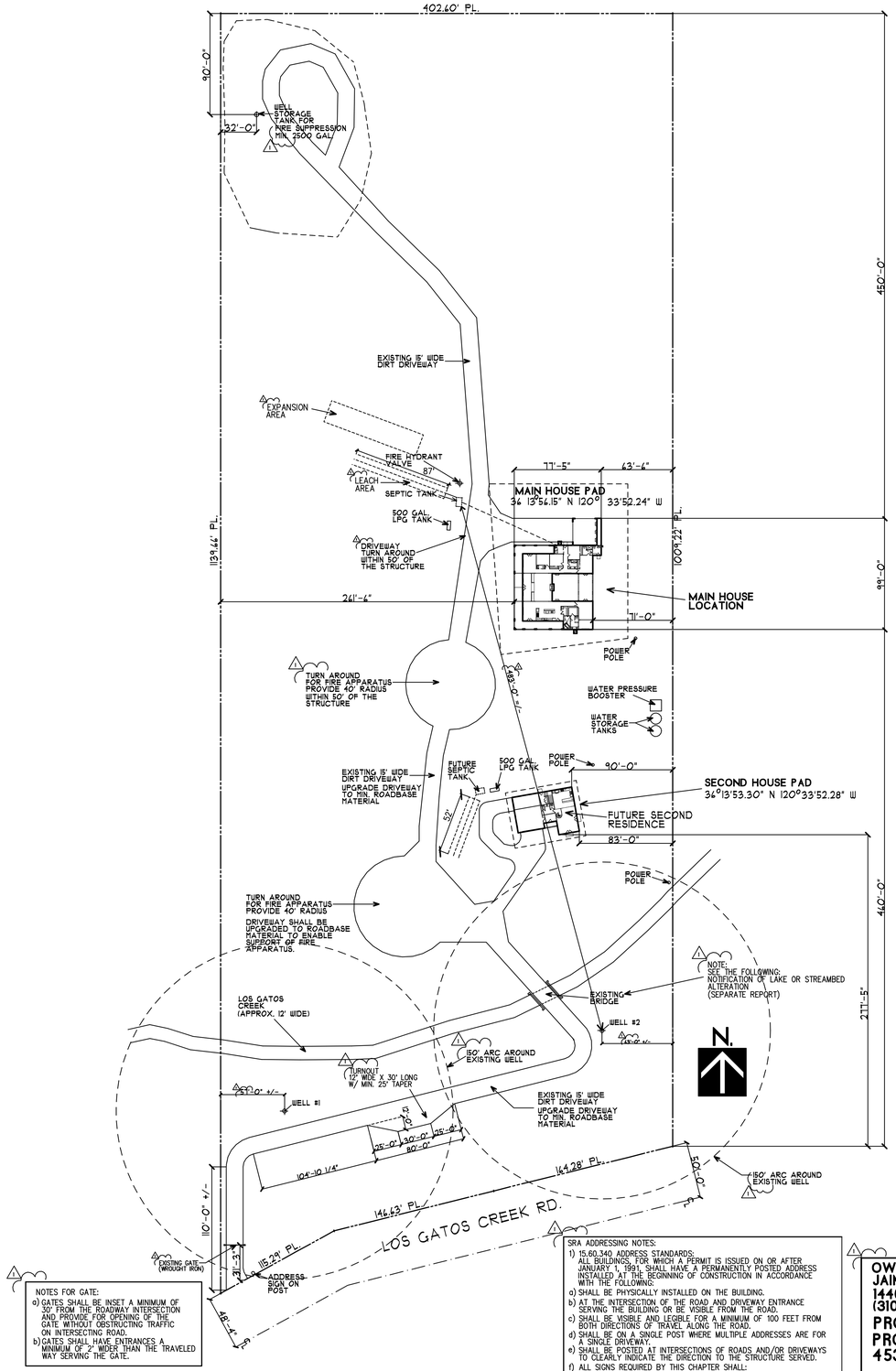

NOTES FOR GATE:
a) GATES SHALL BE INSET A MINIMUM OF 30' FROM THE ROADWAY INTERSECTION AND PROVIDE FOR OPENING OF THE GATE WITHOUT OBSTRUCTING TRAFFIC ON INTERSECTING ROAD.
b) GATES SHALL HAVE ENTRANCES A MINIMUM OF 2' WIDER THAN THE TRAVELED WAY SERVING THE GATE.

SRA ADDRESSING NOTES:
1) 15.60.340 ADDRESS STANDARDS:
ALL BUILDINGS, FOR WHICH A PERMIT IS ISSUED ON OR AFTER JANUARY 1, 1991, SHALL HAVE A PERMANENTLY POSTED ADDRESS INSTALLED AT THE BEGINNING OF CONSTRUCTION IN ACCORDANCE WITH THE FOLLOWING:
a) SHALL BE PHYSICALLY INSTALLED ON THE BUILDING.
b) AT THE INTERSECTION OF THE ROAD AND DRIVEWAY ENTRANCE SERVING THE BUILDING OR BE VISIBLE FROM THE ROAD.
c) SHALL BE VISIBLE AND LEGIBLE FOR A MINIMUM OF 100 FEET FROM BOTH DIRECTIONS OF TRAVEL ALONG THE ROAD.
d) SHALL BE ON A SINGLE POST WHERE MULTIPLE ADDRESSES ARE FOR A SINGLE DRIVEWAY.
e) SHALL BE POSTED AT INTERSECTIONS OF ROADS AND/OR DRIVEWAYS TO CLEARLY INDICATE THE DIRECTION TO THE STRUCTURE SERVED.
f) ALL SIGNS REQUIRED BY THIS CHAPTER SHALL:
* HAVE A MINIMUM OF FOUR-INCH (4") LETTER/NUMBER HEIGHT, ONE-HALF INCH (1/2") STROKE.
* BE REFLECTORIZED
* HAVE LETTER/NUMBER COLOR CONTRASTING WITH THE BACKGROUND COLOR.
* BE OF A FIRE-RETARDENT MATERIAL MOUNTED ON A FIRE-RETARDENT POST.
* SIGNS SHALL COMPLY WITH THE CURRENT ADOPTED EDITION OF THE CALIFORNIA FIRE CODE.

OWNER:
JAIME & KATHY ELIAS
1440 12th ST. MANHATTAN BEACH, CA. 90266
(310)489-6047
PROJECT A.P.N. 063-280-11s
PROJECT ADDRESS:
45350 LOS GATOS CREEK RD. COALINGA, CA. 93210

NOTE:
THERE ARE NO OVERHEAD POWER LINES

NOTE:
STORMWATER RUN-OFF FROM ON-SITE IMPROVEMENTS SHALL BE RETAINED TO AN ON-SITE BASIN OR DESIGNATED LOW AREA. BASINS DEEPER THAN18-INCHES ARE REQUIRED TO BE FENCED.

NOTE:
THE FINISHED FLOOR ELEVATION OF THE HOUSE SHALL BE ELEVATED TO BE EQUAL OR ABOVE THE CROWN OF THE ROAD.

NOTE:
THIS BUILDING IS SERVED BY A COMMUNITY WATER SYSTEM.

NOTE:
DRIVEWAYS AND PRIVATE ROADS SHALL HAVE A MAXIMUM SLOPE OF 12%. THE GRADE MAY BE INCREASED TO A MAXIMUM OF 20% FOR PAVED SURFACES. [FCOC 15.60.505]

NOTE:
FINISH FLOOR ELEVATION IS TO BE ABOVE THE CROWN OF THE STREET

NOTE:
PROVIDE A TWO PERCENT SLOPE AWAY FROM THE PROPOSED BUILDING FOR A MINIMUM OF 5-FEET. [FCOC 15.08.020 G]

SITE PLAN

DATE DRAWN: 1-2021
REVISIONS: DATE: 6-2022
DATE: 7-2022
DATE: PLAN CHECK 8-2023

DESIGNER SINCE 1985

GENERAL NOTES:

EMERGENCY ACCESS:

1. ROADWAY HAS A MINIMUM 10-FOOT TRAFFIC LANE
2. THE ROADWAY SURFACE PROVIDES FOR UNOBSTRUCTED ACCESS TO CONVENTIONAL DRIVE VEHICLES AND IS CAPABLE OF SUPPORTING A 40,000 POUND LOAD. (COPY OF ENGINEER'S REPORT OR CERTIFICATE IS REQUIRED WHEN DRIVEWAY OR ROADS CROSS ANY CULVERTS OR BRIDGES.)
3. THE GRADE OF THE ROAD DOES NOT EXCEED 16% (VARIANCE MUST BE OBTAINED FOR GRADES OF 16% TO 20%.)
4. NO PORTION OF THE ROADWAY HAS AN INSIDE RADIUS OF CURVATURE OF LESS THAN 59 FEET.
5. RADIUS OF VERTICAL CURVES ARE NOT LESS THAN 100 FEET.
6. UNOBSTRUCTED VERTICAL CLEARANCE OF 15 FEET ALONG THE ENTIRE LENGTH.
7. A TURN-AROUND IS REQUIRED AT ALL BUILDING SITES AND SHALL BE WITHIN 50 FEET OF THE BUILDING.
8. ANY GATE ENTRANCES SHALL BE AT LEAST 2 FEET WIDER THAN THE WIDTH OF THE TRAFFIC LANE SERVING THE GATE.
9. ALL GATES MUST BE SET BACK A MINIMUM OF 30 FEET FROM THE ROADWAY AND SHALL OPEN TO ALLOW A VEHICLE TO STOP WITHOUT OBSTRUCTING TRAFFIC.
10. IF THE ACCESS TO THE GATED ENTRANCE IS FROM A ONE-WAY ROAD, A 40-FOOT TURNING RADIUS IS PROVIDED.

EMERGENCY WATER STANDARDS:

1. MINIMUM WATER STORAGE FOR WILDLAND FIRE PROTECTION FOR WELL SYSTEMS IS 2500 GALLONS. TANK HAS SITE GAUGE INSTALLED CLEARLY SHOWING STORAGE LEVEL. (PRIVATE SYSTEMS)
2. THE HYDRANT/FIRE VALVE IS AT LEAST 18 INCHES ABOVE GRADE, 8 FEET FROM FLAMMABLE VEGETATION, NO CLOSER THAN 4 FEET AND NOT FARTHER THAN 12 FEET FROM A ROADWAY AND IN A LOCATION THAT WILL NOT BLOCK THE ROADWAY WHEN BEING USED.
3. THE HYDRANT/FIRE VALVE IS NOT LESS THAN 50 FEET AND NOT MORE THAN 2640 FEET FROM THE DWELLING IT SERVE.
4. THE HYDRANT/FIRE VALVE IS 2-1/2" NATIONAL HOSE MALE THREAD WITH CAP FOR A PRESSURE AND GRAVITY FLOW SYSTEM (TANKS) AND 4-1/2" FOR DRAFT SYSTEMS USING POOLS, PONDS, OR STATIONARY SOURCES.
5. THE HYDRANT/FIRE VALVE IS MARKED BY A REFLECTORIZED BLUE MARKER WITH A MINIMUM DIMENSION OF 3" AND MOUNTED ON A FIRE RETARDANT POST, NOT MORE THAN 3 FEET FROM HYDRANT AND MOUNTED NOT LESS THAN 3 FEET NOR GREATER THAN 5 FEET ABOVE THE GROUND.

FUEL MODIFICATION:

1. THE VOLUME AND DENSITY OF FLAMMABLE VEGETATION HAS BEEN MODIFIED TO PROVIDE FOR THE SAFETY OF FIREFIGHTERS AND CIVILIANS AND PROVIDES FOR A POINT OF ATTACK OR DEFENSE FROM A WILDFIRE.
2. ALL BUILDINGS ARE SET BACK FROM THE PROPERTY LINE A MINIMUM OF 30 FEET.
3. ALL FLAMMABLE VEGETATION AND FUELS CAUSED BY SITE DEVELOPMENT AND CONSTRUCTION, ROAD AND DRIVEWAY CONSTRUCTION, AND FUEL MODIFICATION SHALL BE DISPOSED OF PRIOR TO FINAL CERTIFICATE OF OCCUPANCY BEING ISSUED.

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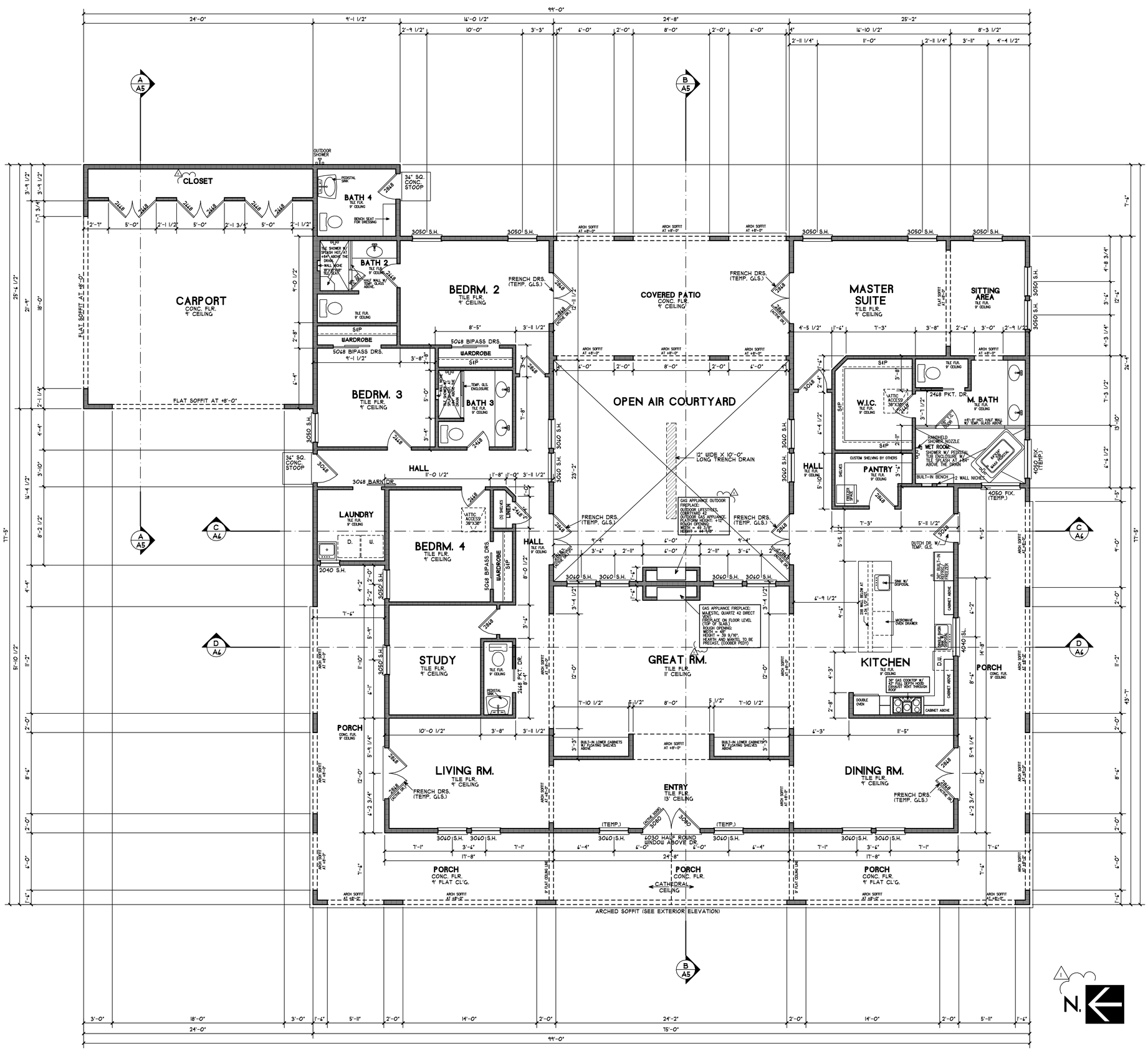
ELIAS RESIDENCE
JOB NO: JB-3378
DRAWN BY: RON POPE
SHEET NO: SP.1
SCALE: 1" = 50'-0"



FLOOR PLAN

NOTE:
FINGER JOINTED STUDS IN STRUCTURAL WALLS (BEARING OR SHEAR) SHALL BE APPROVED AND ARE NOT ALLOWED AT HOLDOWN LOCATIONS.

NOTE:
THE MAXIMUM SIZE OF OPENINGS IN HORIZONTAL DIAPHRAGMS ARE NOT TO EXCEED 24 INCHES WITHOUT BLOCKING.

NOTE:
16d COMMON NAILS ARE NOT TO BE USED FOR NAILING INTO BOTTOM CHORD OF TRUSS.

COMPLY WITH
CRC 2019
TABLE R602.3(1)
FASTENER SCHEDULE

CALIFORNIA GREEN BUILDING STANDARDS:
NOTE:
REFER TO SHEET GB.1 & GB.2 FOR THE MANDATORY REQUIREMENTS FOR MEETING THE CALIFORNIA GREEN BUILDING STANDARDS. CHAPTER 4, RESIDENTIAL MANDATORY FEATURES.

NOTE:
ALL FASTENERS AND CONNECTORS THAT ARE IN DIRECT CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. [CRC R317.3.1)

NOTE:
WATER CLOSETS SHALL BE CAPABLE OF USING A MAXIMUM OF 1.28 GALLONS PER FLUSH. [CPC 403.2.1]

NOTE:
A. THE APPROVED TRUSS DRAWINGS MUST BE ON THE JOB SITE FOR INSPECTION PURPOSES.
B. DO NOT USE STRAPS NAILED INTO NARROW SIDE OF TRUSS CHORDS WITHOUT TRUSS ENGINEER APPROVAL.
C. REFER TO TRUSS DIAGRAMS FOR MANUFACTURER'S WEB BRACING LOCATIONS.

NOTE:
ATTIC ACCESS DOORS SHALL HAVE PERMANENTLY ATTACHED INSULATION USING ADHESIVE OR MECHANICAL FASTENERS. THE ATTIC ACCESS SHALL BE GASKETED TO PREVENT AIR LEAKAGE. [CEC, 150.0(c)2]

NOTE:
CERTIFICATE OF INSTALLATION:
"REGISTERED" COPIES OF THE CF-2R AND CF-3R FORMS SHALL BE SUBMITTED PRIOR TO FINAL INSPECTION, SIGNED AND CERTIFIED BY THE INSTALLER(S) FOR THE CF-2R FORM, AND THE HERS RATER, FOR FIELD VERIFICATION AND DIAGNOSTIC TESTING ON THE CF-3R FORM. [CEES SECTION 10-103(a)(3) AND 10-103(a)(5)]

NOTE:
BATHROOM EXHAUST FANS: [CRC R303.3.1]
EACH BATHROOM CONTAINING A BATHTUB, SHOWER, OR TUB/SHOWER COMBINATION SHALL BE MECHANICALLY VENTILATED FOR PURPOSES OF HUMIDITY CONTROL IN ACCORDANCE WITH THE CALIFORNIA MECHANICAL CODE, CHAPTER 4; AND THE CALIFORNIA GREEN BUILDING STANDARDS CODE, CHAPTER 4, DIVISION4.5.

REQUIRED SPECIAL FEATURES:
THE FOLLOWING ARE FEATURES THAT MUST BE INSTALLED AS A CONDITION FOR MEETING THE MODELED ENERGY PERFORMANCE FOR THIS PLAN..
- PV SYSTEM: 4.6kWdc
- INDOOR AIR QUALITY, BALANCED FAN
- IAQ VENTILATION SYSTEM: AS LOW AS 0.25 W/ CFM
- IAQ VENTILATION SYSTEM HEAT RECOVERY: MINIMUM 52 SRE AND 52 ASRE
- IAQ VENTILATION SYSTEM: SUPPLY OUTSIDE AIR INLET, FILTER, AND H/ERV CORES ACCESSIBLE PER RACM REFERENCE MANUAL
- INSULATION BELOW ROOF DECK

HERS INSPECTION REQUIREMENTS:
BUILDING-LEVEL VERIFICATIONS:
- INDOOR AIR QUALITY VENTILATION
- KITCHEN RANGE HOOD

COOLING SYSTEM VERIFICATIONS:
- MINIMUM AIRFLOW
- VERIFIED EER
- VERIFIED SEER
- VERIFIED REFRIGERANT CHARGE
- FAN EFFICACY WATTS/CFM

HEATING SYSTEM VERIFICATIONS:
- NONE

HVAC DISTRIBUTION SYSTEM VERIFICATIONS:
- DUCT LEAKAGE TESTING
- LOW LEAKAGE AIR HANDLING UNIT

DOMESTIC HOT WATER SYSTEM VERIFICATIONS:
- NONE

ENERGY COMPLIANCE

RADIANT BARRIER:	NONE
CEILING (BELOW ATTIC)	R-38
BELOW ROOF DECK:	R-13 (TRUSS TOP CHORD)
2X6 EXTERIOR WALLS	R-21 + R4 RIGID FOAM
KNEE WALL:	R-15
TANKLESS WATER HEATER	0.81-UEF
FURNACE AFUE:	95 (2 UNITS)
COOLING EER:	12.5
COOLING SEER:	15.0
DUCTS	R-8 (SEALED & TESTED)
GLAZING REQUIREMENTS:	
U-VALUES:	SHGC VALUES:
OPENABLE: 0.3	OPENABLE: 0.23
FIXED: 0.3	FIXED: 0.23
SLIDING GLASS DOORS: 0.3	SLIDING GLASS DOORS: 0.23
FRENCH DOORS: 0.3	FRENCH DOORS: 0.23
ROOFING	
ROOF REFLECTANCE:	0.1
ROOF EMITTANCE:	0.85

FLOOR AREA

TOTAL LIVING AREA:	3378 SQ.FT.
CARPORT:	613 SQ.FT.
COVERED PORCH:	1043 SQ.FT.
OPEN AIR COURTYARD:	571 SQ.FT.
COVERED PATIO:	308 SQ.FT.

DATE DRAWN: 1-2021
REVISIONS: DATE: 10-2021
DATE: 6-2022
DATE: PLAN CHECK 8-2023 (1)

DESIGNER SINCE 1985

GENERAL NOTES:

1. WATER CLOSET COMPARTMENTS MUST HAVE 30" WIDTH AND 24" CLEAR IN FRONT OF THE WATER CLOSET. [CRC 307.1]
2. THE WALL SURFACE BEHIND CERAMIC TILE OR OTHER FINISH WALL MATERIALS SUBJECT TO WATER SPLASH ARE CONSTRUCTED OF MATERIALS NOT ADVERSELY AFFECTED BY WATER. WATER RESISTANT GYPSUM BD. IS NO LONGER PERMITTED TO BE USED IN THESE LOCATIONS.
3. ALL SLEEPING ROOMS SHALL BE PROVIDED WITH AT LEAST ONE WINDOW OR EXTERIOR DOOR APPROVED FOR EMERGENCY EXCAPE OR RESCUE. WNDOWS SHALL HAVE A CLEAR OPENING OF 5.75 SQ. FT. AND MINIMUM OPENINGS OF 20" WIDE AND 24" HIGH, (CLEAR).
   EXCEPTION:
   GRADE FLOOR OPENINGS SHALL HAVE NOT LESS THAN 5 SQ.FT.
   [CRC R310.2.1]
4. PROVIDE A MAXIMUM SILL HEIGHT OF 44-INCHES ABOVE THE FINISHED FLOOR FOR ALL WINDOWS THAT ARE USED FOR EMERGENCY EXITS. (CRC R310.1)
5. SAFETY GLAZING SHALL BE APPROVED IN THE FOLLOWING APPLICATIONS:
   A. SHOWER DOORS
   B. WINDOWS LOCATED IN OR ADJACENT TO A DOOR, WITHIN A 24" ARC OF DOOR.
   C. WINDOWS GREATER THAN 18" WIDE AND CLOSER THAN 18" TO THE FLOOR.
   D. ALL PATIO AND SLIDING GLASS DOORS.

5a. R308.4.5 GLAZING AND WET SURFACES:
GLAZING IN WALLS, ENCLOSURES OR FENCES CONTAINING OR FACING HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND INDOOR OR OUTDOOR SWIMMING POOLS WHERE THE BOTTOM OF THE EXPOSED EDGE OF THE GLAZING IS LESS THAN 60-INCHES MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE SHALL BE CONSIDERED A HAZARDOUS LOCATION. THIS SHALL APPLY TO SINGLE GLAZING AND EACH PANE IN MULTIPLE GLAZING.
* EXCEPTION:
GLAZING THAT IS MORE THAN 60-INCHES, MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, FROM THE WATER'S EDGE OF A BATHTUB, HOT TUB, SPA, WHIRLPOOL OR SWIMMING POOL OR FROM THE EDGE OF A SHOWER, SAUNA OR STEAM ROOM.

6. SAFETY GLAZING ON DOORS OR WNDOWS SHALL BE LABELED AS SUCH FOR INSPECTION PURPOSES.
7. PROVIDE EXHAUST VENTILATION FOR THE COOKTOP TO THE EXTERIOR OF THE BUILDING.
   A) PROVIDE APPROVED EXHAUST DUCT UNDER SLAB OR FLOOR FOR INDUCTION TYPE, (DOWN DRAFT) EXHAUST VENTS.
   B) THE VERTICAL CLEARANCE ABOVE THE COOKTOP TO COMBUSTIBLES IS 30" UNPROTECTED OR 24" PROTECTED, AND THE HORIZONTAL DIMENSION IS REQUIRED TO BE PER THE PERMANENT MARKING LISTED ON THE UNIT.
8. BATHTUB AND SHOWER SPACES:
   BATHTUB AND SHOWER FLOORS AND WALLS ABOVE BATHTUBS WITH INSTALLED SHOWER HEADS AND IN SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NONABSORBENT SURFACE. SUCH WALL SURFACES SHALL EXTEND TO A HEIGHT OF NOT LESS THAN 6 FEET ABOVE THE FLOOR.
9. THE MINIMUM WIDTH OF A SHOWER DOOR SHALL BE 22".
10. PROVIDE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AT JOB SITE FOR INSPECTION FOR THE GAS APPLIANCE FIREPLACE OR EPA RATED WOOD STOVE.

PLUMBING REQUIREMENTS:

1. ALL SHOWER AND TUB/SHOWER VALVES MUST BE PRESSURE BALANCE AND/OR THERMOSTATIC MIXING TYPES. THE DEVICE IS REQUIRED TO LIMIT THE WATER TEMPERATURE TO A MAXIMUM OF 120 DEGREES. [2019 CPC]
2. PROVIDE NON-REMOVABLE TYPE BACKFLOW PREVENTION DEVICE REQUIRED ON ALL HOSE BIBS. [CPC 603.4.6]
3. ALL EQUIPMENT IN THE POTABLE WATER DELIVERY SYSTEM MUST MEET THE CALIFORNIA AB1953 LEAD FREE REQUIREMENTS. THIS APPLIES TO ALL PIPING, FIXTURES AND FITTINGS. ALL OF THE ABOVE NOTED ITEMS ARE NOT PERMITTED TO EXCEED 0.25% LEAD CONTENT.

VENTILATION FOR INDOOR AIR QUALITY:
[CALIFORNIA ENERGY CODE, SECTION 150.0]

0) ALL DWELLING UNITS SHALL MEET THE REQUIREMENTS OF ASHRAE STANDARD 62.2, VENTILATION AND ACCEPTABLE INDOOR QUALITY IN LOW RISE RESIDENTIAL BUILDINGS. WINDOW OPERATION IS NOT A PERMISSIBLE METHOD OF PROVIDING THE WHOLE-BUILDING VENTILATION AIRFLOW REQUIRED IN SECTION SECTION 4 OF THAT ASHRAE STANDARD 62.2. CONTINUOUS OPERATION OF CENTRAL FORCED AIR SYSTEM AIR HANDLERS USED IN CENTRAL FAN INTEGRATED VENTILATION SYSTEMS IS NOT A PERMISSIBLE METHOD OF PROVIDING THE WHOLE-BUILDING VENTILATION AIRFLOW REQUIRED IN SECTION 4 OF ASHRAE STANDARD 62.2. ADDITIONALLY, ALL DWELLING UNITS SHALL MEET THE FOLLOWING REQUIREMENTS:

1. FIELD VERIFICATION AND DIAGNOSTIC TESTING:
   A. AIRFLOW PERFORMANCE. THE WHOLE-BUILDING VENTILATION AIRFLOW REQUIRED BY SECTION 4 OF ASHRAE STANDARD 62.2 SHALL BE CONFIRMED THROUGH FIELD VERIFICATION AND DIAGNOSTIC TESTING IN ACCORDANCE WITH THE APPLICABLE PROCEDURES SPECIFIED IN REFERENCE RESIDENTIAL APPENDIX RA3.7.

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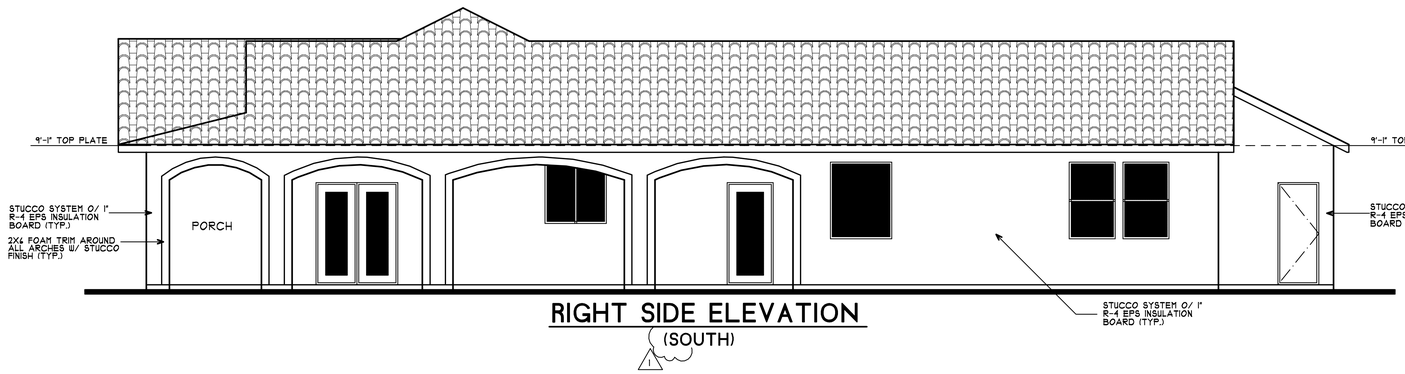
ELIAS RESIDENCE
JOB NO: JB.3378
DRAWN BY: RON POPE
SHEET NO: A-2
SCALE: 1/4" = 1'-0"



RIGHT SIDE ELEVATION
(SOUTH)

EXTERIOR WALLS IN WILDLAND URBAN INTERFACE AREA [CRC 337.7.3]

THE EXTERIOR WALL COVERING OR WALL ASSEMBLY SHALL COMPLY WITH ONE OF THE FOLLOWING REQUIREMENTS:

1. NONCOMBUSTIBLE MATERIAL
2. IGNITION-RESISTANT MATERIAL
3. HEAVY TIMBER EXTERIOR WALL ASSEMBLY
4. LOG WALL CONSTRUCTION ASSEMBLY
5. WALL ASSEMBLIES THAT MEET THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES FOR A 10-MINUTE DIRECT FLAME EXPOSURE TEST SET FORTH IN SFM STANDARD 12-7A-1.

EXCEPTION:
ANY OF THE FOLLOWING SHALL BE DEEMED TO MEET THE ASSEMBLY PERFORMANCE CRITERIA AND INTENT OF THIS SECTION:

1. ONE LAYER OF 5/8-INCH TYPE "X" GYPSUM SHEATHING APPLIED BEHIND THE EXTERIOR COVERING OR CLADDING ON THE EXTERIOR SIDE OF THE FRAMING.
2. THE EXTERIOR PORTION OF A 1-HOUR FIRE RESISTIVE EXTERIOR WALL ASSEMBLY DESIGNED FOR EXTERIOR FIRE EXPOSURE INCLUDING ASSEMBLIES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL.

EXTERIOR WINDOWS & DOORS:
[CRC, R337.8]

[CRC, R337.8.2] EXTERIOR GLAZING: THE EXTERIOR GLAZING MATERIALS AND/OR ASSEMBLIES SHALL COMPLY WITH THIS SECTION:

1. EXTERIOR WINDOWS
2. EXTERIOR DOORS
3. EXTERIOR GLAZED DOORS
4. GLAZED OPENINGS WITHIN EXTERIOR DOORS
5. GLAZED OPENINGS WITHIN EXTERIOR GARAGE DOORS
6. EXTERIOR STRUCTURAL GLASS VENEER

R337.8.2.1, EXTERIOR WINDOWS AND EXTERIOR GLAZED DOOR ASSEMBLY REQUIREMENTS:
EXTERIOR WINDOWS AND EXTERIOR GLAZED DOOR ASSEMBLIES SHALL COMPLY WITH ONE OF THE FOLLOWING REQUIREMENTS:

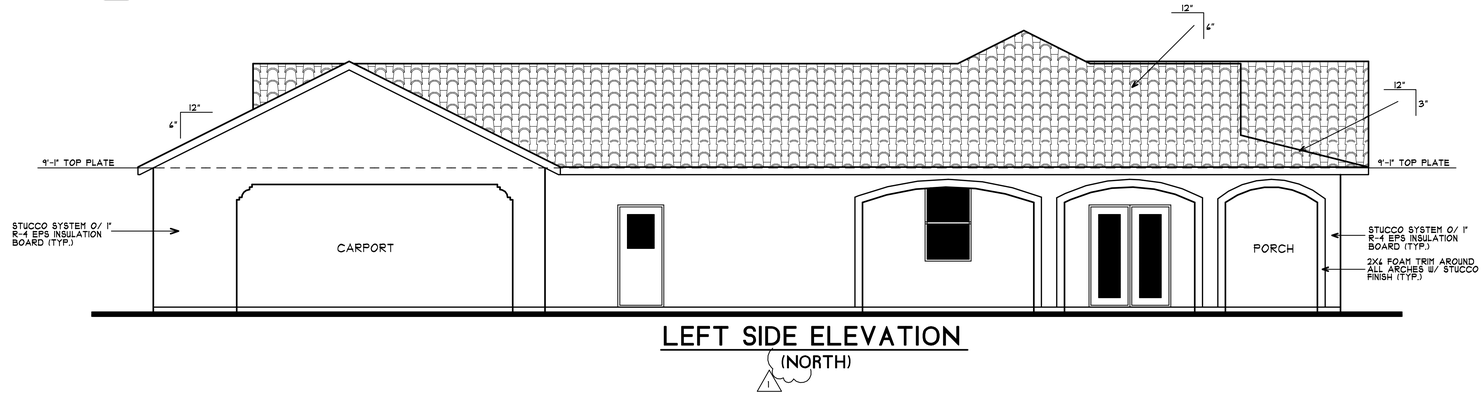
1. BE CONSTRUCTED OF MULTIPANE GLAZING WITH A MINIMUM OF ONE TEMPERED PANE MEETING THE REQUIREMENTS OF SECTION R308 SAFETY GLAZING, OR;
2. BE CONSTRUCTED OF GLASS BLOCK UNITS, OR;
3. HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20-MINUTES WHEN TESTED ACCORDING TO NFPA 257, OR;
4. BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-2.

R337.8.2.2, STRUCTUAL GLASS VENEER.
THE WALL ASSEMBLY BEHIND STRUCTURAL GLASS VENEER SHALL COMPLY WITH SECTION R337.7.3.

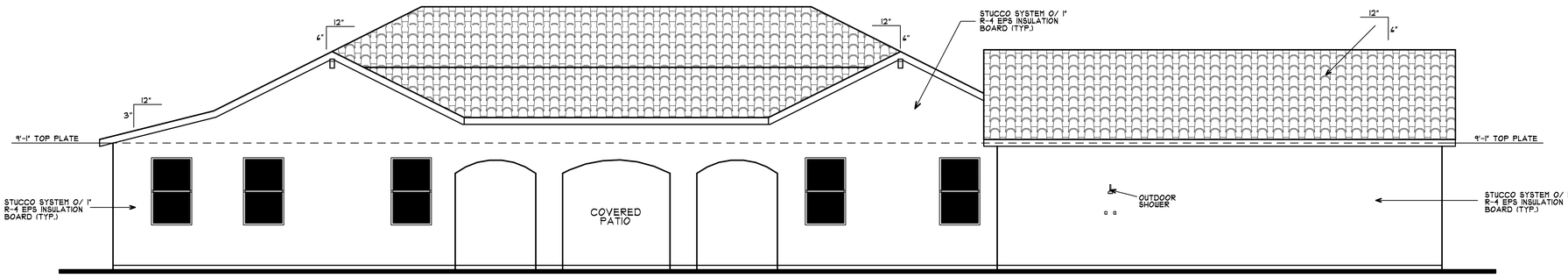
R337.8.3, EXTERIOR DOORS:
EXTERIOR DOORS SHALL COMPLY WITH ONE OF THE FOLLOWING:

1. THE EXTERIOR SURFACE OR CLADDING SHALL BE NON-COMBUSTIBLE OR IGNITION-RESISTANT MATERIAL, OR;
2. SHALL BE CONSTRUCTED OF SOLID CORE WOOD THAT COMPLY WITH THE FOLLOWING REQUIREMENTS:
   - 2.1 STILES AND RAILS SHALL NOT BE LESS THAN 1 3/8-INCHES THICK.
   - 2.2 RAISED PANELS SHALL NOT BE LESS THAN 1 1/4-INCHES THICK, EXCEPT FOR THE EXTERIOR PERIMETER OF THE RAISED PANEL THAT MAY TAPER TO A TONGUE NOT LESS THAN 3/8-INCH THICK.
3. SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED ACCORDING TO NFPA 252.
4. SHALL BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM 12-7A-1.

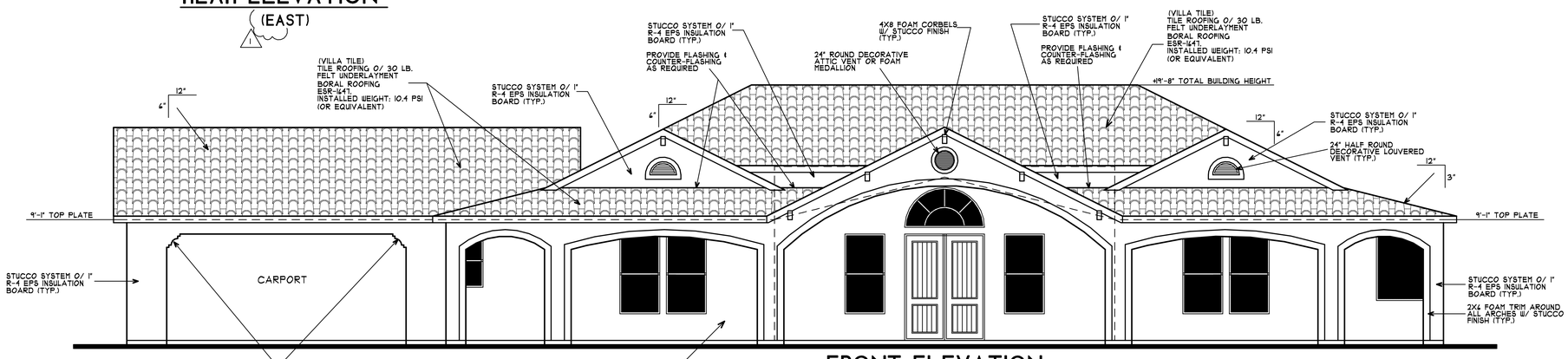
R337.8.3.1, EXTERIOR DOOR GLAZING:
GLAZING AT EXTERIOR DOORS SHALL COMPLY WITH SECTION R337.8.2.1.



LEFT SIDE ELEVATION
(NORTH)



REAR ELEVATION
(EAST)



FRONT ELEVATION
(WEST)

NOTE:
TYPICAL EAVE OVERHANG = 12"

FASCIA BOARD:
INSTALL 2X6 FASCIA BOARD (TYPICAL)

WINDOW HEADER HEIGHTS: (9'-1" PLATE)
SET ALL WINDOW HEADERS AT +8'-0" TO THE BOTTOM OF THE HEADER (TYPICAL)

EXTERIOR ELEVATIONS

DATE DRAWN: 1-2021
REVISIONS: DATE: 10-2021
DATE: 6-2022
DATE: PLAN CHECK 8-2023 (1)

DESIGNER SINCE 1985

GENERAL NOTES:

1. ROOF COVERING SHALL COMPLY WITH THE REQUIREMENTS OF THE CURRENT CRC.
2. PROVIDE TWO LAYERS OF TYPE "D" UNDERLAYMENT AT STUCCO WALLS WHERE STUCCO IS APPLIED OVER PLY-WOOD SHEATHING.
3. NO EAVE VENTS ARE ALLOWED WHERE SHEAR TRANSFER IS REQUIRED AT THE FRIEZE BLOCK.
4. PROVIDE FLASHING AND COUNTER FLASHING AT ALL ROOF TO WALL AND CHIMNEY INTERSECTIONS. ALSO, PROVIDE STEPPED FLASHING WHERE THE SLOPED ROOF ABUTS THE WALL.
6. PROVIDE FOR ALL TYPES OF ROOF SHEET METAL VALLEY FLASHING WITH A 36-INCH WIDE UNDERLAYMENT DIRECT-LY UNDER FLASHING AND OVER NORMAL REQUIRED UNDERLAYMENT.
7. WEEP SCREED SHALL BE 25 GAUGE "J" METAL AND SHALL BE INSTALLED AT A MIN. OF 4" ELEV. ABOVE GRADE AND 2" ABOVE ANY PAVED SURFACE.
8. AN ANTI-PONDING DEVICE IS REQUIRED AT THE BOTTOM COURSE OF ALL TILE ROOFS WHERE A RAISED FACIA BOARD IS USED.

EXTERIOR LATH MATERIALS:

1. EAGLE ONE-COAT EXTERIOR STUCCO SYSTEM, ESR-2772
2. THE MAXIMUM COATING THICKNESS IS 1/2".
3. PROVIDE ONE LAYER OF GRADE "D" BUILDING PAPER, AND TWO LAYERS OVER ANY PLYWOOD SHEATHING.
4. APPLY 1" TO 1 1/2" THICK EXPANDED POLYSTYRENE (EPS) INSULATION BOARD.
5. APPLY WIRE LATH THAT COMPLIES WITH: USE MI. 20 GAUGE, 1 INCH GALVANIZED STEEL WOVEN WIRE WIRE FABRIC.
6. CAULKING: ACRYLIC LATEX CAULKING MATERIAL COMPLYING WITH ASTM C 834.
7. ALL TRIM, SCREEDS AND CORNER REINFORCEMENT MUST HAVE GALVANIZED STEEL OR APPROVED PLASTIC.
8. WEEP SCREED SHALL BE 25 GAUGE "J" METAL AND SHALL BE INSTALLED AT A MIN. OF 4" ELEV. ABOVE GRADE AND 2" ABOVE ANY PAVED SURFACE.
9. LATH AND PLASTER SHALL BE INSTALLED PER CRC-R401.3

EPS FOAM INSULATION (THERMAL BARRIER)

1. INSULFOAM LLC
   6004 NORTH WESTGATE BOULEVARD, SUITE 120
   TACOMA WASHINGTON, 98406 (952) 447-5213
   THERMAL BUILDING CONCEPTS LLC
   1366 ELON DRIVE, WAUKON, IOWA, 52172
   ESR-1788
   INSULFOAM EXPANDED POLYSTYRENE (EPS) AND R-TECH AND THERMAL 3HT INSULATION BOARDS.
   2.0 USES:
   INSULFOAM EXPANDED POLYSTYRENE (EPS) AND R-TECH INSULATION BOARDS ARE EPS FOAM PLASTIC BOARDS USED AS NON-STRUCTURAL THERMAL INSULATION IN WALL CAVITIES OR CEILING ASSEMBLIES, DOOR CAVITIES, ROOFS AND AS EXTERIOR PERIMETER INSULATION AROUND CONCRETE SLAB EDGES, ON FOUNDATION WALLS OR UNDER FLAT CONCRETE SLAB ON GRADE CONSTRUCTION, EXCEPT IN AREAS WHERE THE PROBABILITY OF TERMITE EXPOSURE IS "VERY HEAVY" AS DEFINED IN IBC SECTION 2603.8 AND IRC SECTION R318.4. THE INSULATION MAY BE USED ON THE OUTSIDE FACES OF EXTERIOR WALLS OF TYPE V-B (IBC) CONSTRUCTION, OR STRUCTURES CONSTRUCTED IN ACCORDANCE WITH THE IRC. THE INSULATION BOARDS MAY BE USED ON WALLS IN ATTICS AND CRAWL SPACES WITH NO COVERING APPLIED TO THE ATTIC OR CRAWL SPACE SIDE OF THE FOAM PLASTIC, WHEN THE BOARDS ARE INSTALLED IN ACCORDANCE WITH SECTION 4.2. THE R-TECH BOARDS MAY BE USED AS AN ALTERNATIVE TO THE WATER-RESISTIVE BARRIERS SPECIFIED IN THE IBC OR IRC, WHEN INSTALLED AS SET FORTH IN SECTION 4.3. THERMAL 3HT INSULATION BOARDS ARE IDENTICAL TO R-TECH INSULATION BOARDS AND MAY BE USED AND INSTALLED IN THE SAME MANNER AS R-TECH INSULATION BOARDS.

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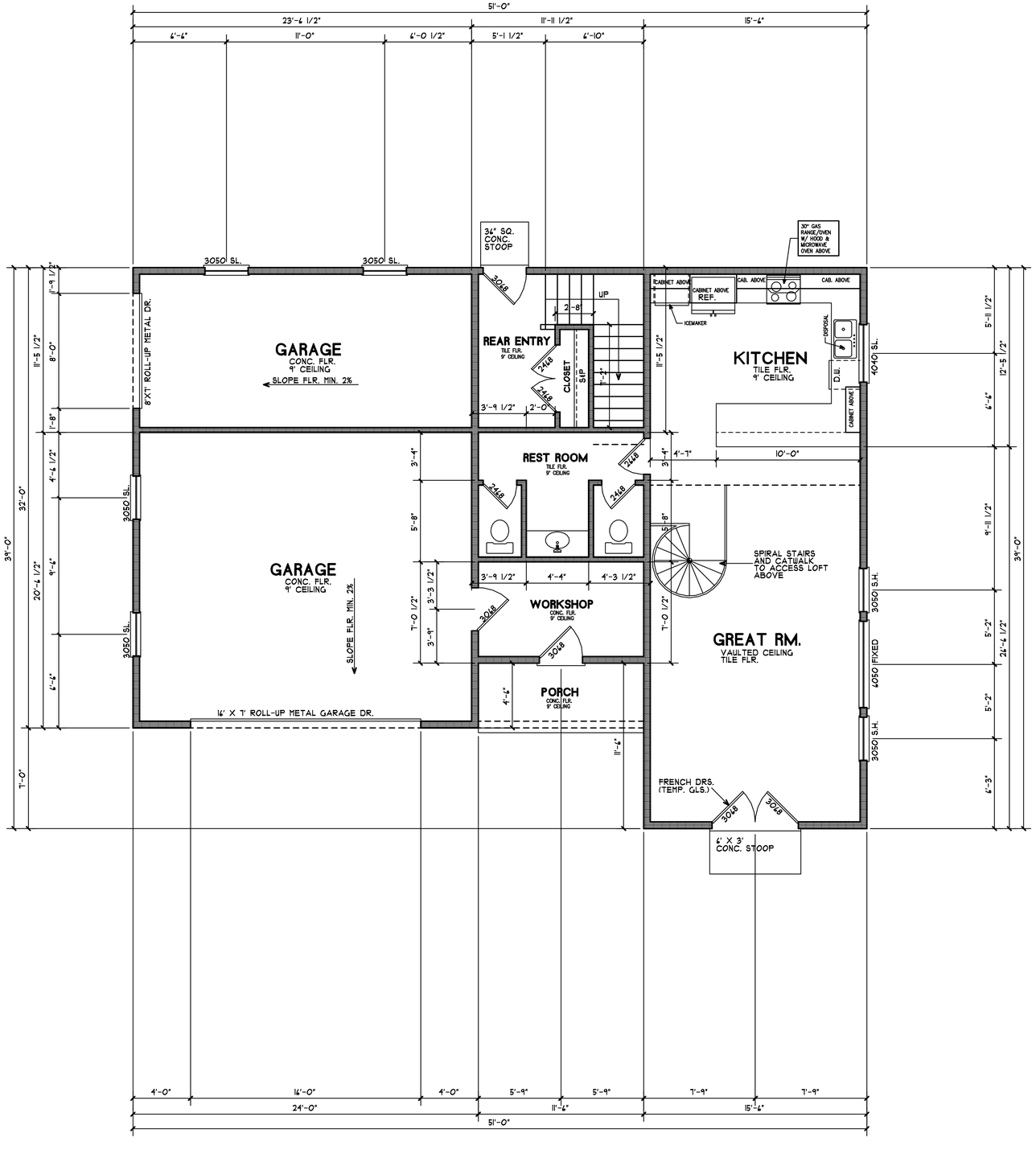
ELIAS RESIDENCE
JOB NO: JB:3318
DRAWN BY: RON POPE
SCALE: 1/4" = 1'-0"
SHEET NO: A-3



FIRST FLOOR PLAN

FLOOR AREA	
TOTAL LIVING AREA:	1997 SQ.FT.
FIRST FLOOR:	849 SQ.FT.
SECOND FLOOR:	1148 SQ.FT.
GARAGE:	755 SQ.FT.
PORCH:	52 SQ.FT.
WORKSHOP:	81 SQ.FT.

DATE DRAWN: 1-2021
REVISIONS: DATE: 3-2021
DATE: 4-2024
DATE:

DESIGNER SINCE 1985

GENERAL NOTES:

1. WATER CLOSET COMPARTMENTS MUST HAVE 30" WIDTH AND 24" CLEAR IN FRONT OF THE WATER CLOSET. CRC 307.1.
2. THE WALL SURFACE BEHIND CERAMIC TILE OR OTHER FINISH WALL MATERIALS SUBJECT TO WATER SPLASH ARE CONSTRUCTED OF MATERIALS NOT ADVERSELY AFFECTED BY WATER. WATER RESISTANT GYPSUM BD. IS NO LONGER PERMITTED TO BE USED IN THESE LOCATIONS.
3. ALL SLEEPING ROOMS SHALL BE PROVIDED WITH AT LEAST ONE WINDOW OR EXTERIOR DOOR APPROVED FOR EMERGENCY EXCAPE OR RESCUE. WINDOWS SHALL HAVE A CLEAR OPENING OF 5.75 SQ. FT. AND MINIMUM OPENINGS OF 20" WIDE AND 24" HIGH, (CLEAR).
4. PROVIDE A MAXIMUM SILL HEIGHT OF 44-INCHES ABOVE THE FINISHED FLOOR FOR ALL WNDOWS THAT ARE USED FOR EMERGENCY EXITS. (CRC R310.1)
5. SAFETY GLAZING SHALL BE APPROVED IN THE FOLLOW-ING APPLICATIONS:
   A. SHOWER DOORS
   B. WINDOWS LOCATED IN OR ADJACENT TO A DOOR, WITHIN A 24" ARC OF DOOR.
   C. WINDOWS GREATER THAN 18" WIDE AND CLOSER THAN 18" TO THE FLOOR.
   D. ALL PATIO AND SLIDING GLASS DOORS.
6. SAFETY GLAZING ON DOORS OR WINDOWS SHALL BE LABELED AS SUCH FOR INSPECTION PURPOSES.
7. PROVIDE EXHAUST VENTILATION FOR THE COOKTOP TO THE EXTERIOR OF THE BUILDING.
   A) PROVIDE APPROVED EXHAUST DUCT UNDER SLAB OR FLOOR FOR INDUCTION TYPE, (DOWN DRAFT) EXHAUST VENTS.
   B) THE VERTICAL CLEARANCE ABOVE THE COOKTOP TO COMBUSTIBLES IS 30" UNPROTECTED OR 24" PROTECTED, AND THE HORIZONTAL DIMENSION IS REQUIRED TO BE PER THE PERMANENT MARKING LISTED ON THE UNIT.
8. BATHTUB AND SHOWER SPACES:
   BATHTUB AND SHOWER FLOORS AND WALLS ABOVE BATH-TUBS WITH INSTALLED SHOWER HEADS AND IN SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NONABSORBENT SURFACE. SUCH WALL SURFACES SHALL EXTEND TO A HEIGHT OF NOT LESS THAN 6 FEET ABOVE THE FLOOR.
9. THE MINIMUM WIDTH OF A SHOWER DOOR SHALL BE 22".

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ELIAS 2
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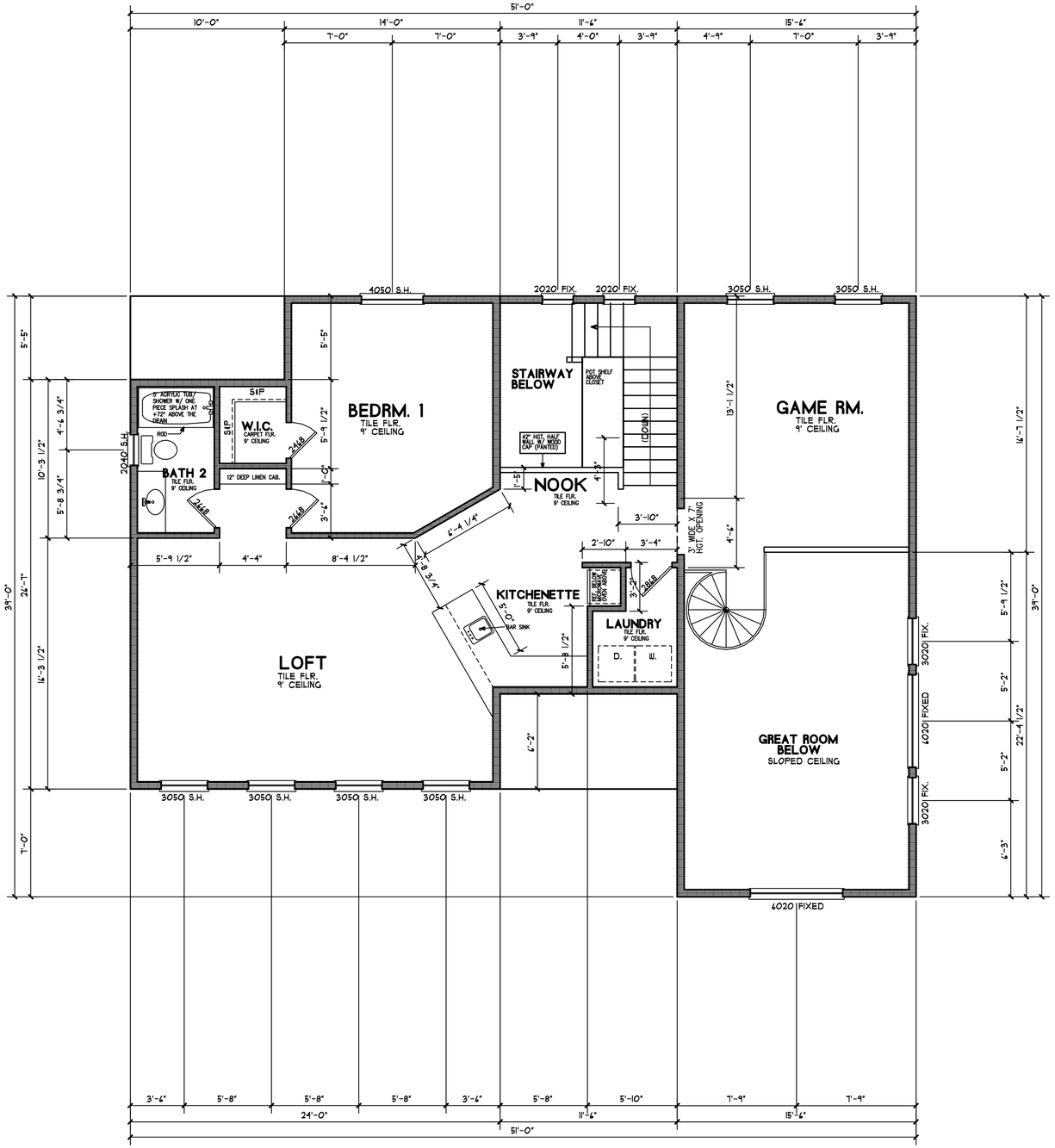

SECOND FLOOR PLAN

FLOOR AREA	
TOTAL LIVING AREA:	1997 SQ.FT.
FIRST FLOOR:	849 SQ.FT.
SECOND FLOOR:	1148 SQ.FT.
GARAGE:	755 SQ.FT.
PORCH:	52 SQ.FT.
WORKSHOP:	81 SQ.FT.

DATE DRAWN: 1-2021
REVISIONS: DATE: 3-2021
DATE: 4-2024
DATE:

DESIGNER SINCE 1985

GENERAL NOTES:

1. WATER CLOSET COMPARTMENTS MUST HAVE 30" WIDTH AND 24" CLEAR IN FRONT OF THE WATER CLOSET. CRC 307.1.
2. THE WALL SURFACE BEHIND CERAMIC TILE OR OTHER FINISH WALL MATERIALS SUBJECT TO WATER SPLASH ARE CONSTRUCTED OF MATERIALS NOT ADVERSELY AFFECTED BY WATER. WATER RESISTANT GYPSUM BD. IS NO LONGER PERMITTED TO BE USED IN THESE LOCATIONS.
3. ALL SLEEPING ROOMS SHALL BE PROVIDED WITH AT LEAST ONE WINDOW OR EXTERIOR DOOR APPROVED FOR EMERGENCY EXCAPE OR RESCUE. WINDOWS SHALL HAVE A CLEAR OPENING OF 5.75 SQ. FT. AND MINIMUM OPENINGS OF 20" WIDE AND 24" HIGH, (CLEAR).
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5. SAFETY GLAZING SHALL BE APPROVED IN THE FOLLOW-ING APPLICATIONS:
   A. SHOWER DOORS
   B. WINDOWS LOCATED IN OR ADJACENT TO A DOOR, WITHIN A 24" ARC OF DOOR.
   C. WINDOWS GREATER THAN 18" WIDE AND CLOSER THAN 18" TO THE FLOOR.
   D. ALL PATIO AND SLIDING GLASS DOORS.
6. SAFETY GLAZING ON DOORS OR WINDOWS SHALL BE LABELED AS SUCH FOR INSPECTION PURPOSES.
7. PROVIDE EXHAUST VENTILATION FOR THE COOKTOP TO THE EXTERIOR OF THE BUILDING.
   A) PROVIDE APPROVED EXHAUST DUCT UNDER SLAB OR FLOOR FOR INDUCTION TYPE, (DOWN DRAFT) EXHAUST VENTS.
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8. BATHTUB AND SHOWER SPACES:
   BATHTUB AND SHOWER FLOORS AND WALLS ABOVE BATH-TUBS WITH INSTALLED SHOWER HEADS AND IN SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NONABSORBENT SURFACE. SUCH WALL SURFACES SHALL EXTEND TO A HEIGHT OF NOT LESS THAN 6 FEET ABOVE THE FLOOR.
9. THE MINIMUM WIDTH OF A SHOWER DOOR SHALL BE 22".

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E-MAIL: ron.pope1017@yahoo.com

ELIAS 2
JOB NO: JB*
DRAWN BY: RON POPE
SHEET NO: A-3
SCALE: 1/4" = 1'-0"

FRONT ELEVATION

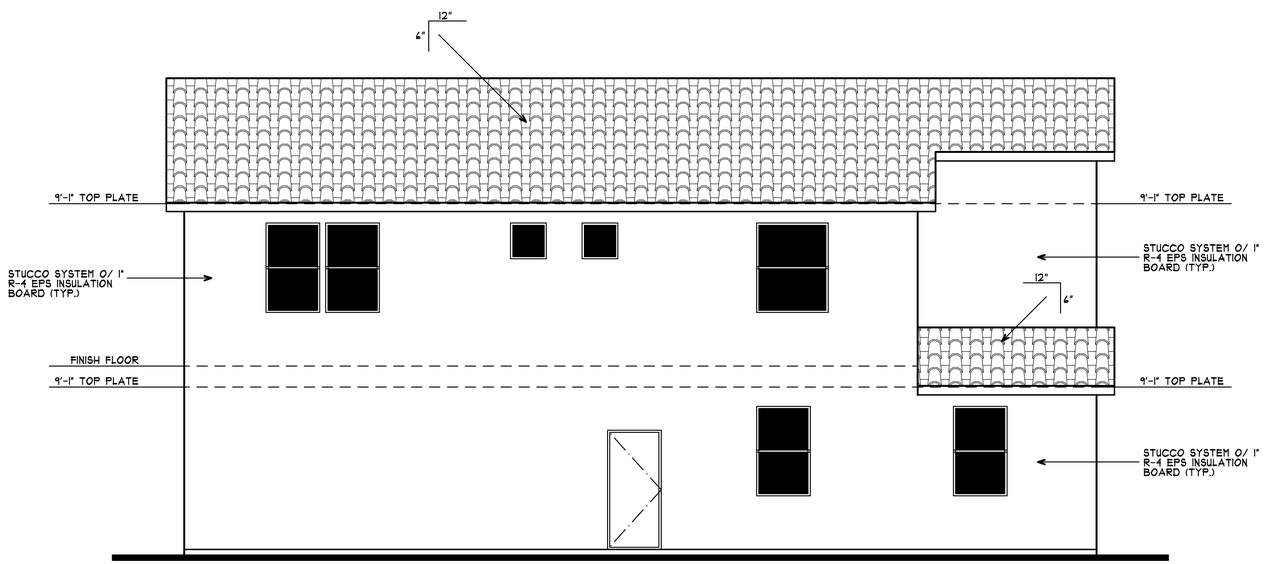
FASCIA BOARD:
INSTALL 2X6 FASCIA BOARD (TYPICAL)

WINDOW HEADER HEIGHTS: (9'-1" PLATE)

SET ALL WINDOW HEADERS AT +8'-0" TO THE BOTTOM OF THE HEADER (TYPICAL)

* FOR 4X12 OR 6X12 DEPTH HEADERS, SET HEADER TIGHT TO THE TOP PLATE.

* FOR CLEAR STORY WINDOWS, SEE PLANS.



REAR ELEVATION

EXTERIOR ELEVATIONS

DATE DRAWN: 1-2021
REVISIONS: DATE: 3-2021
DATE: 4-2024
DATE:

DESIGNER SINCE 1985

GENERAL NOTES:

1. ROOF COVERING SHALL COMPLY WITH THE REQUIREMENTS OF THE 2019 CRC.
2. PROVIDE TWO LAYERS OF TYPE "D" UNDERLAYMENT AT STUCCO WALLS WHERE STUCCO IS APPLIED OVER PLY-WOOD SHEATHING.
3. NO EAVE VENTS ARE ALLOWED WHERE SHEAR TRANSFER IS REQUIRED AT THE FRIEZE BLOCK.
4. PROVIDE FLASHING AND COUNTER FLASHING AT ALL ROOF TO WALL AND CHIMNEY INTERSECTIONS. ALSO, PROVIDE STEPPED FLASHING WHERE THE SLOPED ROOF ABUTS THE WALL.
6. PROVIDE FOR ALL TYPES OF ROOF SHEET METAL VALLEY FLASHING WITH A 36-INCH WIDE UNDERLAYMENT DIRECT-LY UNDER FLASHING AND OVER NORMAL REQUIRED UNDERLAYMENT.
7. WEEP SCREED SHALL BE 25 GAUGE "J" METAL AND SHALL BE INSTALLED AT A MIN. OF 4" ELEV. ABOVE GRADE AND 2" ABOVE ANY PAVED SURFACE.
8. AN ANTI-PONDING DEVICE IS REQUIRED AT THE BOTTOM COURSE OF ALL TILE ROOFS WHERE A RAISED FACIA BOARD IS USED.

EXTERIOR LATH MATERIALS:

1. EAGLE ONE-COAT EXTERIOR STUCCO SYSTEM, ESR-2772
2. THE MAXIMUM COATING THICKNESS IS 1/2".
3. PROVIDE ONE LAYER OF GRADE "D" BUILDING PAPER, AND TWO LAYERS OVER ANY PLYWOOD SHEATHING.
4. APPLY 1" TO 1 1/2" THICK EXPANDED POLYSTYRENE (EPS) INSULATION BOARD.
5. APPLY WIRE LATH THAT COMPLIES WITH UBC TABLE NO. 47-B USE MI. 20 GAUGE, 1 INCH GALVANIZED STEEL WOVEN WIRE WIRE FABRIC.
6. CAULKING: ACRYLIC LATEX CAULKING MATERIAL COMPLYING WITH ASTM C 834.
7. ALL TRIM, SCREEDS AND CORNER REINFORCEMENT MUST HAVE GALVANIZED STEEL OR APPROVED PLASTIC.
8. WEEP SCREED SHALL BE 25 GAUGE "J" METAL AND SHALL BE INSTALLED AT A MIN. OF 4" ELEV. ABOVE GRADE AND 2" ABOVE ANY PAVED SURFACE.
9. LATH AND PLASTER SHALL BE INSTALLED PER CRC-R401.3

EPS FOAM INSULATION (THERMAL BARRIER)

1. INSULFOAM LLC
   6004 NORTH WESTGATE BOULEVARD, SUITE 120
   TACOMA WASHINGTON, 98406 (952) 447-5213
   THERMAL BUILDING CONCEPTS LLC
   1366 ELON DRIVE, WAUKON, IOWA, 52172
   ESR-1788
   INSULFOAM EXPANDED POLYSTYRENE (EPS) AND R-TECH AND THERMAL 3HT INSULATION BOARDS.
   2.0 USES:
   INSULFOAM EXPANDED POLYSTYRENE (EPS) AND R-TECH INSULATION BOARDS ARE EPS FOAM PLASTIC BOARDS USED AS NON-STRUCTURAL THERMAL INSULATION IN WALL CAVITIES OR CEILING ASSEMBLIES, DOOR CAVITIES, ROOFS AND AS EXTERIOR PERIMETER INSULATION AROUND CONCRETE SLAB EDGES, ON FOUNDATION WALLS OR UNDER FLAT CONCRETE SLAB ON GRADE CONSTRUCTION, EXCEPT IN AREAS WHERE THE PROBABILITY OF TERMITE EXPOSURE IS "VERY HEAVY" AS DEFINED IN IBC SECTION 2603.8 AND IRC SECTION R318.4. THE INSULATION MAY BE USED ON THE OUTSIDE FACES OF EXTERIOR WALLS OF TYPE V-B (IBC) CONSTRUCTION, OR STRUCTURES CONSTRUCTED IN ACCORDANCE WITH THE IRC. THE INSULATION BOARDS MAY BE USED ON WALLS IN ATTICS AND CRAWL SPACES WITH NO COVERING APPLIED TO THE ATTIC OR CRAWL SPACE SIDE OF THE FOAM PLASTIC, WHEN THE BOARDS ARE INSTALLED IN ACCORDANCE WITH SECTION 4.2. THE R-TECH BOARDS MAY BE USED AS AN ALTERNATIVE TO THE WATER-RESISTIVE BARRIERS SPECIFIED IN THE IBC OR IRC, WHEN INSTALLED AS SET FORTH IN SECTION 4.3. THERMAL 3HT INSULATION BOARDS ARE IDENTICAL TO R-TECH INSULATION BOARDS AND MAY BE USED AND INSTALLED IN THE SAME MANNER AS R-TECH INSULATION BOARDS.

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