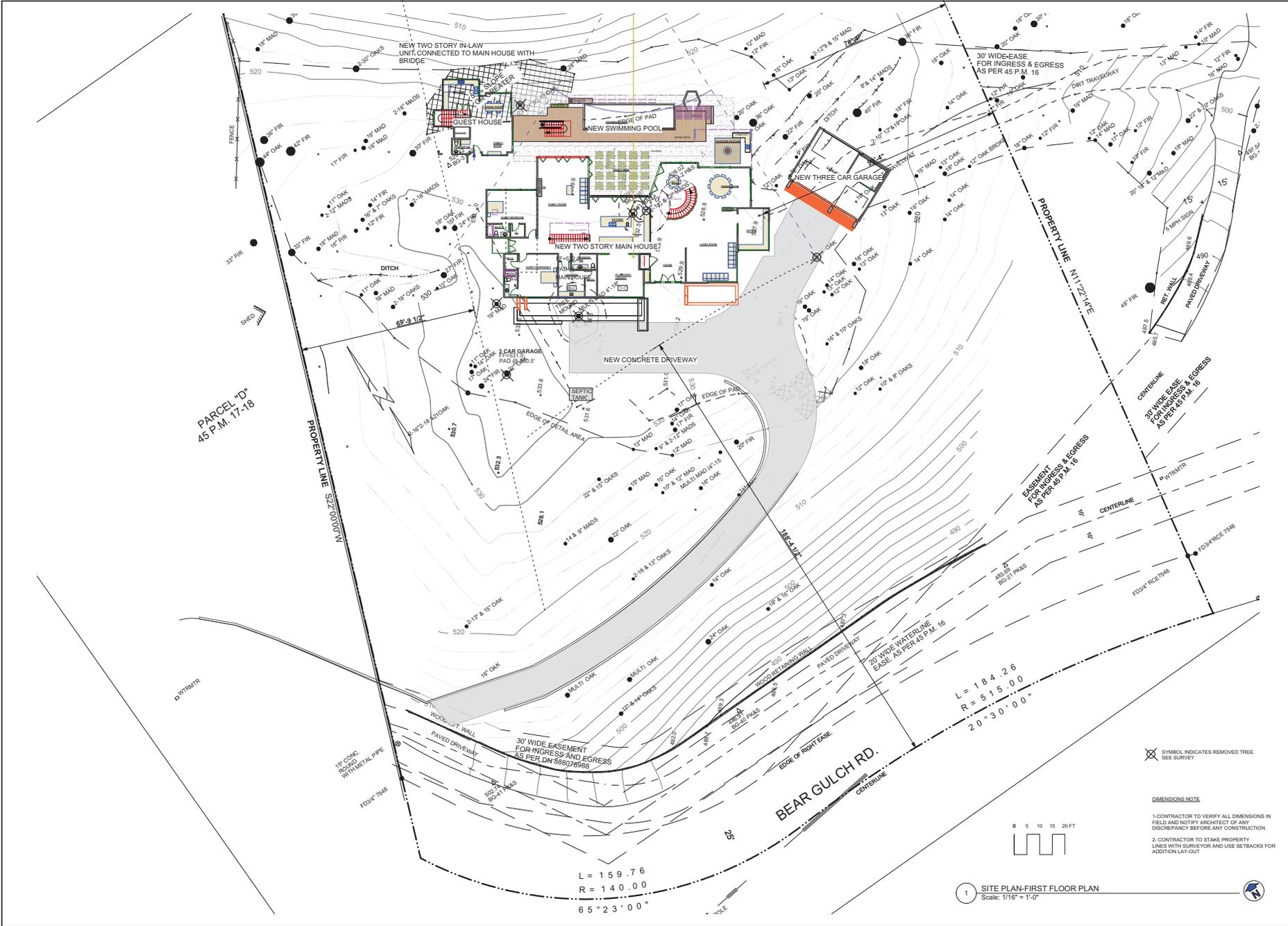


Vicinity Map

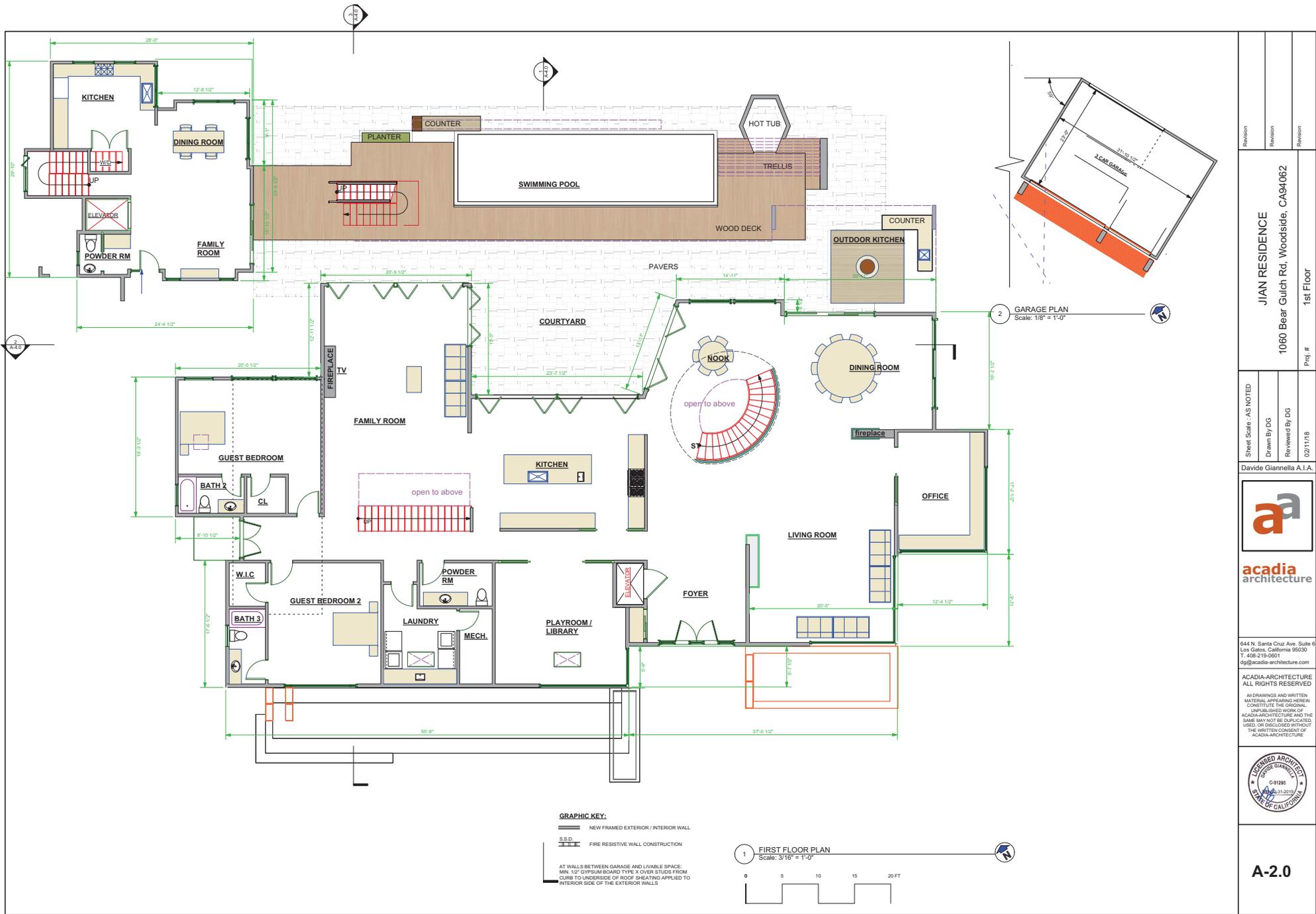
# ATTACHMENT A



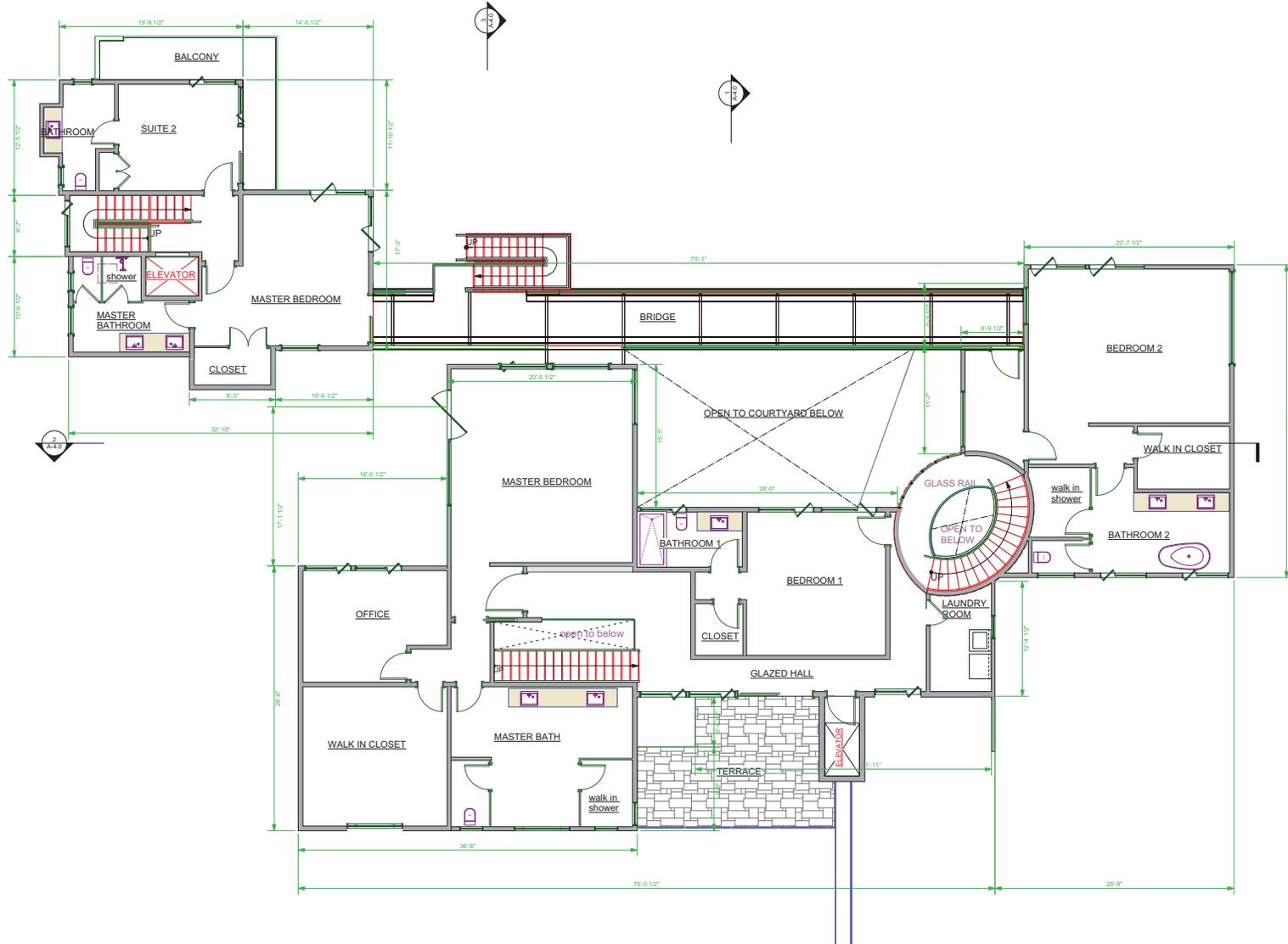


Revision	
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Revision	
<b>JIAN RESIDENCE</b>	
1060 Bear Gulch Rd, Woodside, CA 94062	
Site Plan	
Sheet Scale: AS NOTED	
Drawn By: DG	
Reviewed By: DG	
3/6/2018	
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<b>DIMENSIONS NOTE</b> 1- CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD AND NOTIFY ARCHITECT OF ANY DISCREPANCY BEFORE ANY CONSTRUCTION 2- CONTRACTOR TO STAKE PROPERTY LINES WITH SURVEYOR AND USE SETBACKS FOR ADDITIONAL LAYOUT	
<b>A-1.1</b>	

1 SITE PLAN-FIRST FLOOR PLAN  
 Scale: 1/16" = 1'-0"

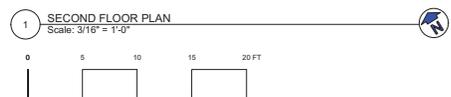


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Revision	
<b>JIAN RESIDENCE</b>	
1060 Bear Gulch Rd, Woodside, CA 94062	
Proj. # 1st Floor	
Sheet Scale: AS NOTED	
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Reviewed By: DG	
02/11/18	
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<b>A-2.0</b>	

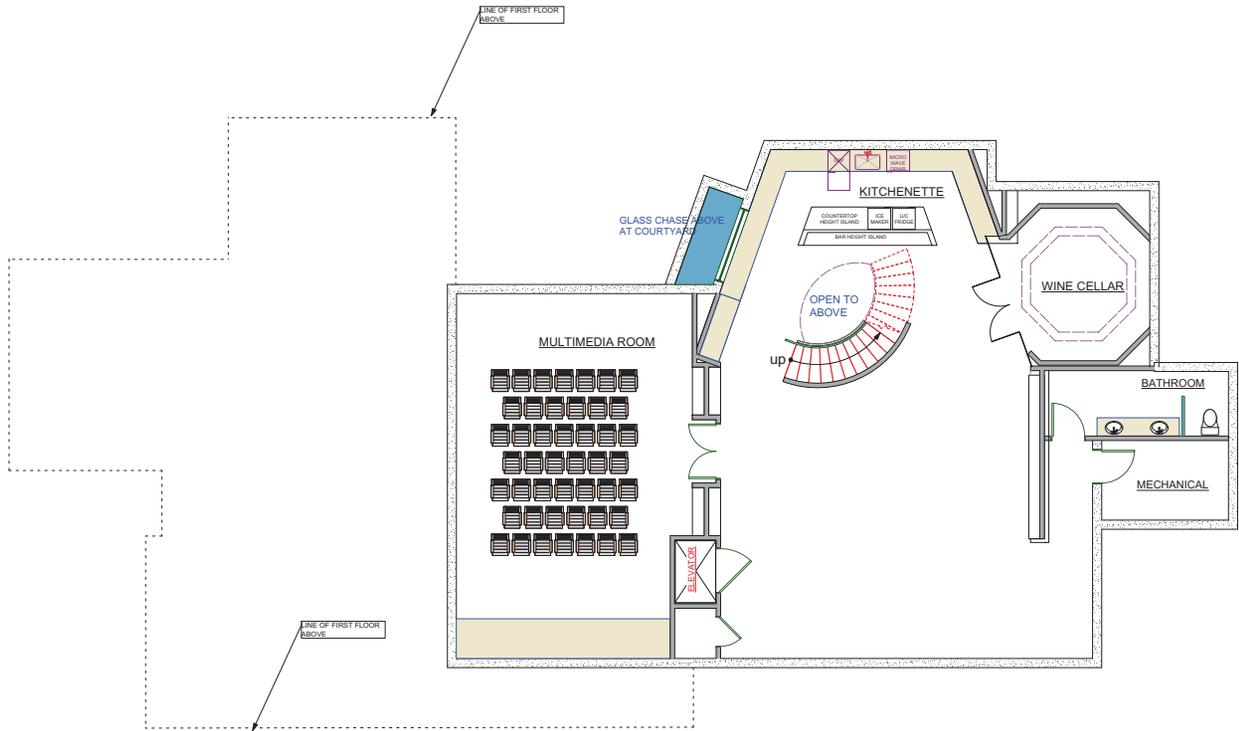


**GRAPHIC KEY:**  
 ——— NEW FRAMED EXTERIOR / INTERIOR WALL  
 S.S.D. FIRE RESISTIVE WALL CONSTRUCTION

AT WALLS BETWEEN GARAGE AND LIVABLE SPACE:  
 MIN. 1/2" GYPSUM BOARD TYPE X OVER STUDS FROM  
 CURB TO UNDERSIDE OF ROOF SHEATHING APPLIED TO  
 INTERIOR SIDE OF THE EXTERIOR WALLS



Revision	
Revision	
Revision	
<b>JIAN RESIDENCE</b>	
1060 Bear Gulch Rd, Woodside, CA 94062	
Proj. # 2nd Floor	
Sheet Scale: AS NOTED	
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Reviewed By: DG	
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<b>A-2.1</b>	



LINE OF FIRST FLOOR ABOVE

GLASS CHASE ABOVE AT COURTYARD

MULTIMEDIA ROOM

KITCHENETTE

WINE CELLAR

BATHROOM

MECHANICAL

OPEN TO ABOVE

up

ELEVATOR

LINE OF FIRST FLOOR ABOVE

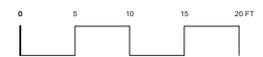
GRAPHIC KEY:

- NEW FRAMED EXTERIOR / INTERIOR WALL
- S.S.D. FIRE RESISTIVE WALL CONSTRUCTION

AT WALLS BETWEEN GARAGE AND LIVABLE SPACE: MIN. 1/2" GYPSUM BOARD TYPE X OVER STUDS FROM CURB TO UNDERSIDE OF ROOF SHEATHING APPLIED TO INTERIOR SIDE OF THE EXTERIOR WALLS

2 SECOND FLOOR PLAN

Scale: 3/16" = 1'-0"



Revision
Revision
Revision

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Basement

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02/11/18

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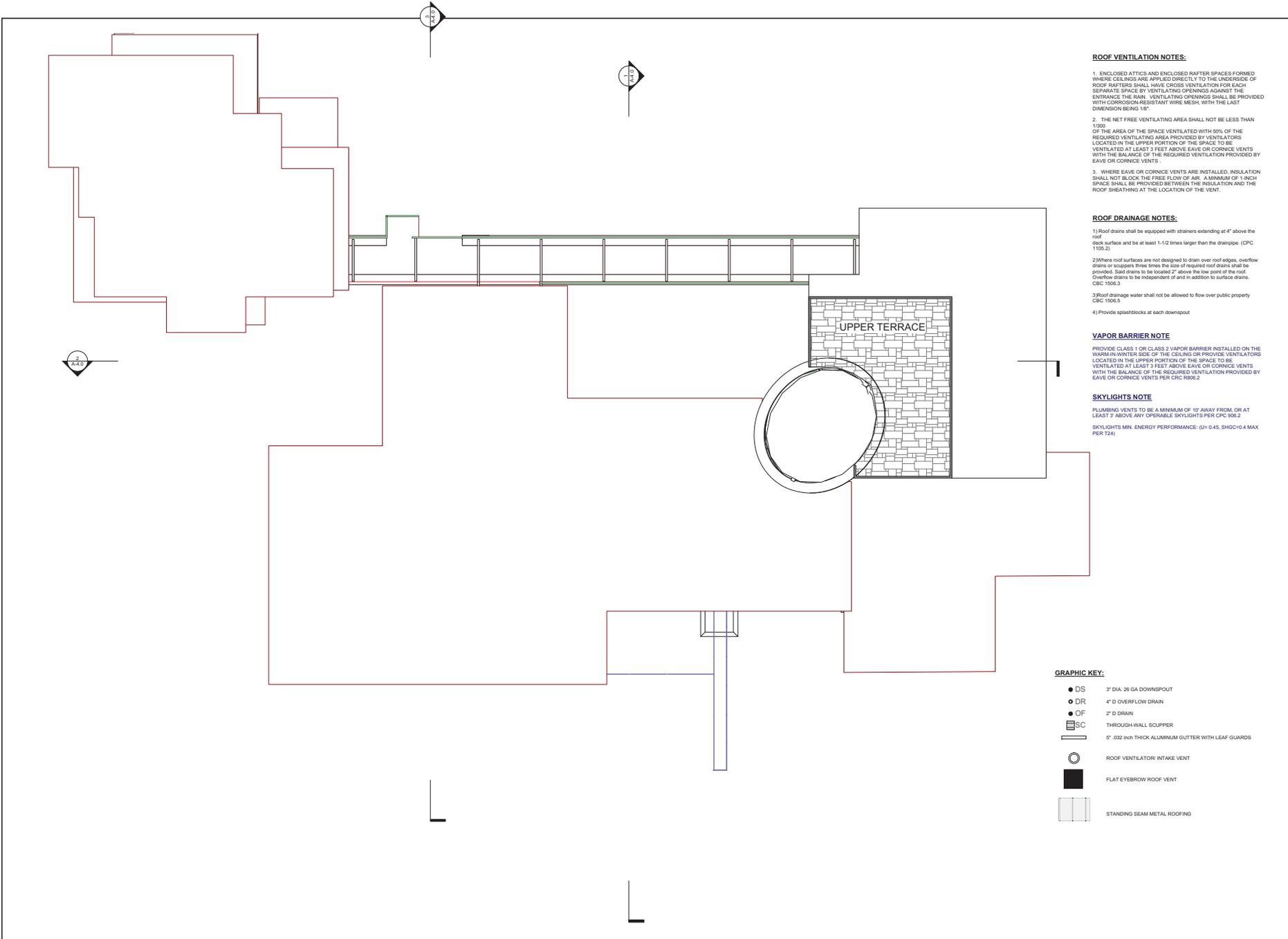
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A-2.2



**ROOF VENTILATION NOTES:**

1. ENCLOSED ATTICS AND ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS AGAINST THE ENTRANCE OF THE RAFTERS. VENTILATING OPENINGS SHALL BE PROVIDED WITH CORROSION-RESISTANT WIRE MESH, WITH THE LAST DIMENSION BEING 1/8".
2. THE NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1/300 OF THE AREA OF THE SPACE VENTILATED WITH 50% OF THE REQUIRED VENTILATING AREA PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT LEAST 3 FEET ABOVE EAVE OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS.
3. WHERE EAVE OR CORNICE VENTS ARE INSTALLED, INSULATION SHALL NOT BLOCK THE FREE FLOW OF AIR. A MINIMUM OF 1-INCH SPACE SHALL BE PROVIDED BETWEEN THE INSULATION AND THE ROOF SHEATHING AT THE LOCATION OF THE VENT.

**ROOF DRAINAGE NOTES:**

- 1) Roof drains shall be equipped with strainers extending at 4" above the roof deck surface and be at least 1-1/2 times larger than the drainpipe. (CBC 1105.2)
- 2) Where roof surfaces are not designed to drain over roof edges, overflow drains or scuppers three times the size of required roof drains shall be provided. Said drains to be located 2" above the low point of the roof. Overflow drains to be independent of and in addition to surface drains. CBC 1506.3
- 3) Roof drainage water shall not be allowed to flow over public property. CBC 1506.5
- 4) Provide splashblocks at each downspout.

**VAPOR BARRIER NOTE**

PROVIDE CLASS 1 OR CLASS 2 VAPOR BARRIER INSTALLED ON THE WARMER/WINTER SIDE OF THE CEILING OR PROVIDE VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT LEAST 3 FEET ABOVE EAVE OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS PER CRC R806.2

**SKYLIGHTS NOTE**

FLUMINUM VENTS TO BE A MINIMUM OF 12" AWAY FROM OR AT LEAST 3" ABOVE ANY OPERABLE SKYLIGHTS PER CRC 906.2  
 SKYLIGHTS MN. ENERGY PERFORMANCE: (U)= 0.45, SHGC=0.4 MAX PER T24)

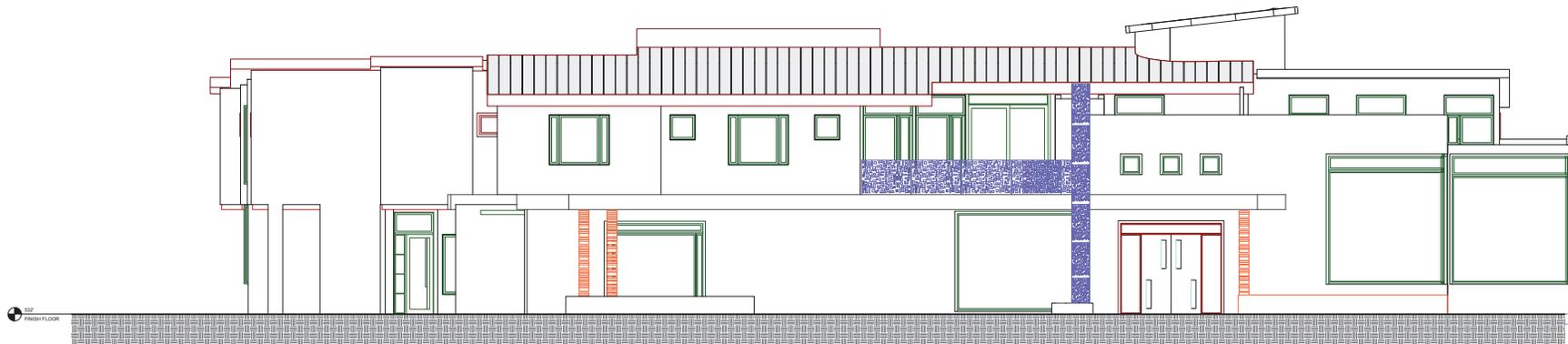
**GRAPHIC KEY:**

- DS 3" DIA. 26 GA DOWNSPOUT
- DR 4" D OVERFLOW DRAIN
- OF 2" D DRAIN
- SC THROUGH-WALL SCUPPER
- ▬ 6" .032 inch THICK ALUMINUM GUTTER WITH LEAF GUARDS
- ROOF VENTILATOR/ INTAKE VENT
- FLAT EYEBROW ROOF VENT
- ▨ STANDING SEAM METAL ROOFING

Revision		<b>JIAN RESIDENCE</b> 1080 Bear Gulch Rd, Woodside, CA 94062	Revision
Revision			Revision
Sheet Scale: AS NOTED		Drawn By: DG	Reviewed By: DG
6/17/2018		6/17/2018	
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A-2.3			

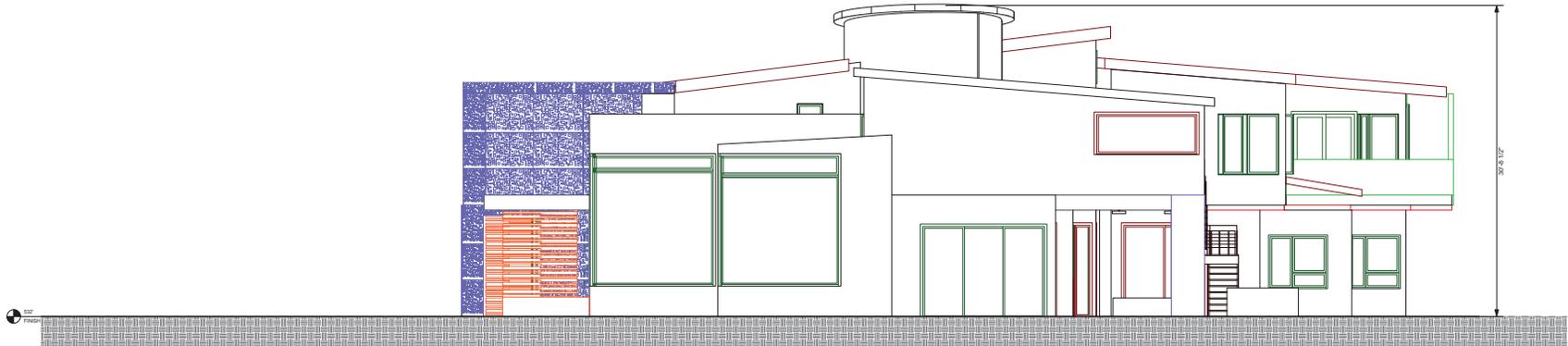


1 NORTH ELEVATION  
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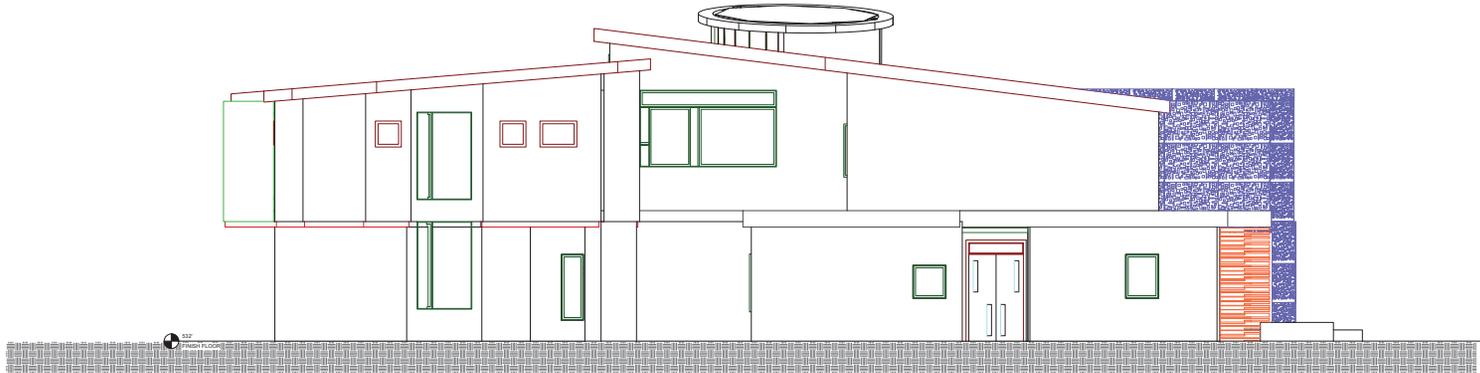


2 SOUTH ELEVATION  
Scale: 3/16" = 1'-0"

Revision	
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Revision	
<b>JIAN RESIDENCE</b> 1060 Bear Gulch Rd, Woodside, CA94062 Exterior Elevations	
Proj. #	
Sheet Scale - AS NOTED	
Drawn By: DG	
Reviewed By: DG	
	5/21/2018
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<b>A-3.0</b>	



3 [Drawing Title]  
Scale: 3/16" = 1'-0"



2 WEST ELEVATION  
Scale: 3/16" = 1'-0"

Revision
Revision
Revision

JIAN RESIDENCE  
1060 Bear Gulch Rd, Woodside, CA 94062  
Proj. # Exterior Elevations

Sheet Scale: /AS NOTED
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5/21/2018

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A-3.1



CEDAR WOOD SCREENING

IPE WOOD EAVES

WATER FEATURE

PERFORATED METAL GRID AND RAILING- 'BOK MODERN' BURN'T RED

"MCCI STANDING SEAM METAL ROOFING LIGHT GRAY"  
<http://www.mcci.com/products/roofing>  
[ved-roof-systems/curved-battens/](http://www.mcci.com/products/roofing)

"BENJAMIN MOORE METROPOLITAN GRAY"  
<http://www.benjaminmoore.com/us/paint-color/metropolitan>

"KOLBE' BRONZE COLOR WOOD-ALUMINUM CLAD WINDOWS, TYP.

TRAVERTINE PAVERS

CONCRETE WORK  
 BENJAMIN MOORE  
 CHELSEA GRAY HC-168

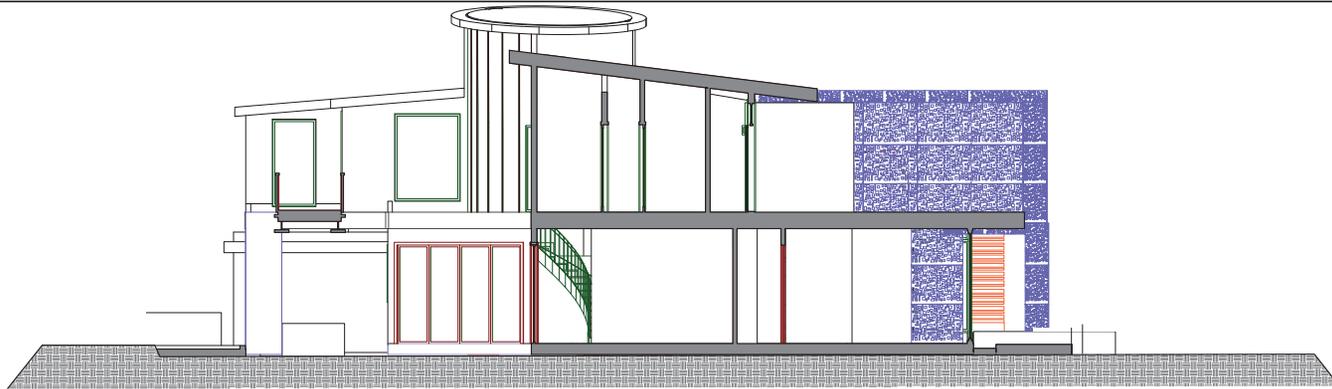
LIGHT CEDAR SIDING, TYPICAL

REDWOOD AND GLASS CUSTOM GARAGE DOORS

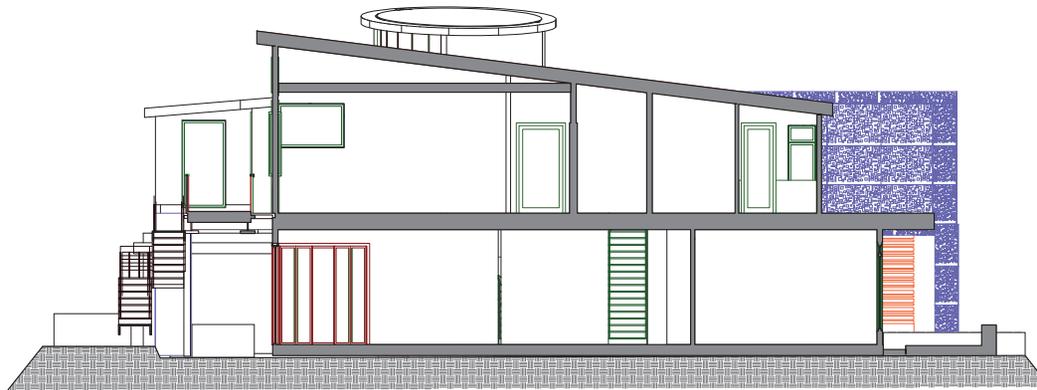
DARK BROWN PORCELAIN CERAMIC TILES, TYP.

**ENTRY ELEVATION (SOUTH SIDE)**

Revision	
Revision	
Revision	
<b>JIAN RESIDENCE</b> 1060 Bear Gulch Rd, Woodside, CA94062 Proj. # Material Board	
Sheet Scale : AS NOTED	
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Reviewed By DG	
6/12/2018	
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<b>A-3.2</b>	



1 SECTION  
Scale: 3/16" = 1'-0"



3 Section  
Scale: 3/16" = 1'-0"



2 SECTION  
Scale: 3/16" = 1'-0"

Revision  
Revision  
Revision

JIAN RESIDENCE  
1060 Bear Gulch Rd, Woodside, CA 94062  
Proj. # Building Sections

Sheet Scale: AS NOTED  
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Reviewed By: DG  
6/17/2018

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Los Gatos, California 95030  
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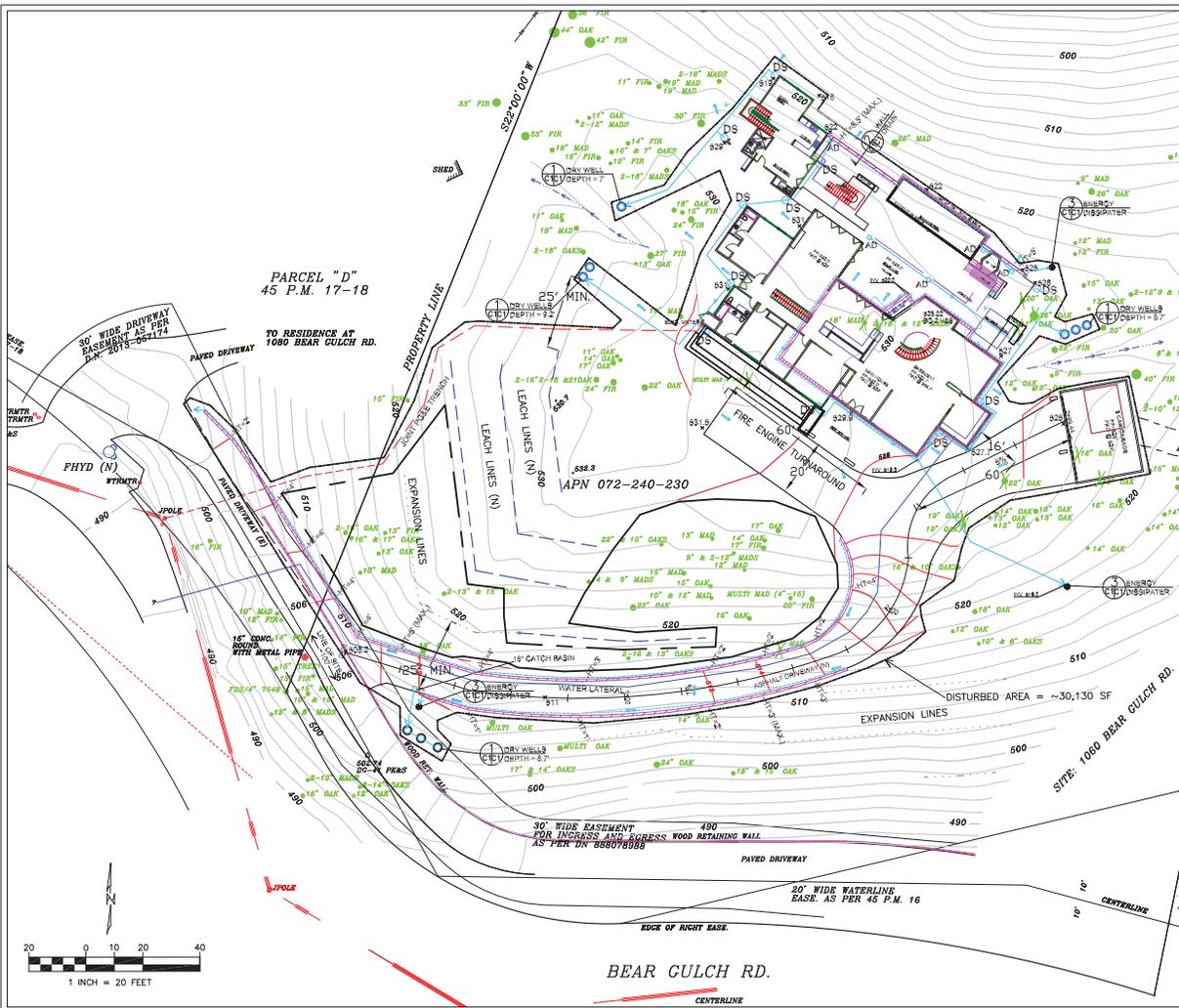
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A-4.0

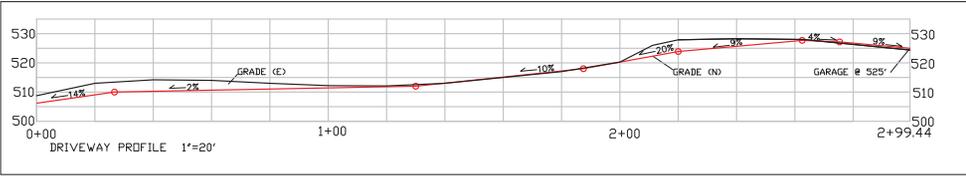
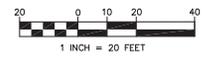




PARCEL "D"  
45 P.M. 17-18

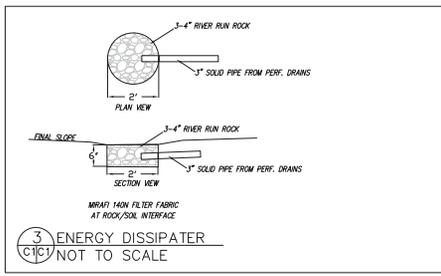
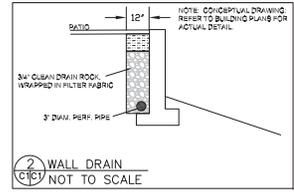
APN 072-240-230

BEAR GULCH RD.



**LEGEND**

- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED SPOT ELEVATION
- DOWNSPOUT
- DIRECTION OF SURFACE DRAINAGE FLOW
- 4" SOLID PLASTIC DRAIN PIPE, SDR 35 @ 1% MINIMUM SLOPE, UNLESS OTHERWISE NOTED
- 3" PERF. PLASTIC DRAIN PIPE, SDR 35 @ 1% MINIMUM SLOPE
- PROPOSED RETAINING WALL
- TREE TO BE REMOVED



**GENERAL NOTES**

1. PLANS PREPARED AT THE REQUEST OF: JANE JIAN, OWNER
2. SURVEY AND TOPOGRAPHY BY OTHERS.
3. ELEVATION DATUM ASSUMED.
4. THIS IS NOT A BOUNDARY SURVEY.

**GRADING NOTES**

OUT VOLUME: 800 CY (FOR BASEMENT, ROAD, AND CRAWL SPACES)  
FILL VOLUME: 385 CY (PATIO AREA)  
TOTAL: 1,285 CY CUT/FILL COMBINED

1. ABOVE VOLUMES ARE APPROXIMATE.
2. MAXIMUM GRADIENT OF ANY MODIFIED SLOPES SHALL BE 2:1 (H:V).
3. ALL GRADING SHALL CONFORM TO LOCAL CODES AND ORDINANCES.
4. ALL TRENCHES IN PROPOSED LANDSCAPE AREAS SHALL BE BACKFILLED WITH COMPACTED APPROVED GRANULAR MATERIAL TO WITHIN ONE FOOT OF FINISHED GRADE, AND THEN FILLED WITH HAND TAMPED SOILS.

**DRAINAGE NOTES**

1. DRAINAGE INTENT: IT IS THE INTENT OF THE DRAINAGE SYSTEM TO CONVEY ROOF RUNOFF TO A BASE LOCATION, AND TO MINIMIZE EXCESSIVE MOISTURE AROUND FOUNDATIONS.
2. ALL ROOF DRAIN LINES SHALL LEAD TO DRY WELLS SHOWN.
3. ALL DRAINAGE PIPES SHALL BE 4" DIAMETER SOLID PIPE, SLOPED AT 1% MINIMUM.
4. PROPERTY OWNER IS RESPONSIBLE FOR ROUTINE MAINTENANCE AND REPAIR OF THE DRAINAGE SYSTEM. THE DRAINAGE SYSTEM MAY NOT BE REMOVED WITHOUT A BUILDING PERMIT APPROVAL.

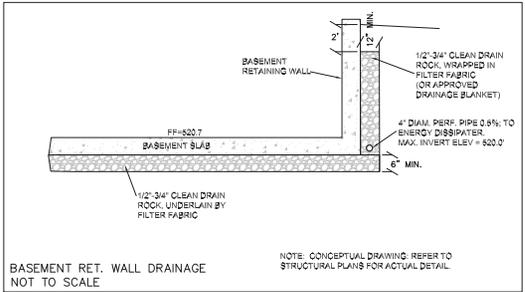
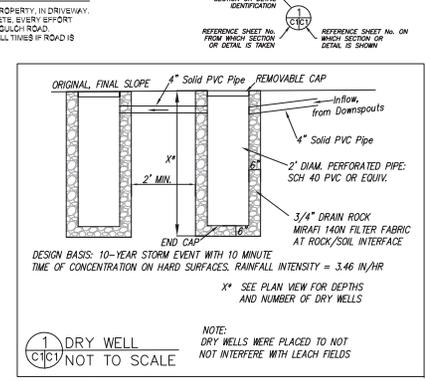
**FIRE PROTECTION NOTES**

1. 1" FIRE ENGINE TURNAROUND PROPOSED NEXT TO HOUSE, AS SHOWN.
2. EXISTING FIRE HYDRANT ON BEAR GULCH ROAD IS LOCATED 840 FROM FRONT DOOR, AS MEASURED ALONG ROAD AND DRIVEWAY.
3. NEW CLOW 80 FIRE HYDRANT SHALL BE INSTALLED AT LOCATION SHOWN, WHERE DRIVEWAY MEETS BEAR GULCH ROAD. DRIVEWAY TO FRONT DOOR WILL BE 380 FEET.
4. WHERE DRIVEWAY SLOPE EXCEEDS 15%, SURFACE SHALL BE BRUSHED CONCRETE.

**TRAFFIC CONTROL NOTES**

1. CONTRACTOR AND WORKERS SHALL PARK ON PROPERTY, IN DRIVEWAY.
2. WHEN TRUCKS DELIVER SUPPLIES AND CONCRETE, EVERY EFFORT SHALL BE MADE TO PREVENT BLOCKAGE OF BEAR GULCH ROAD.
3. WORKERS SHALL PROVIDE TRAFFIC CONTROL AT ALL TIMES IF ROAD IS PARTIALLY BLOCKED.

**SECTION AND DETAIL CONVENTION**



Signa Prime Geotechnics, Inc.  
335 PRINCETON AVENUE  
PRINCETON, CA 94019  
(650) 723-3480  
(650) 723-9883  
FAX: 723-9883

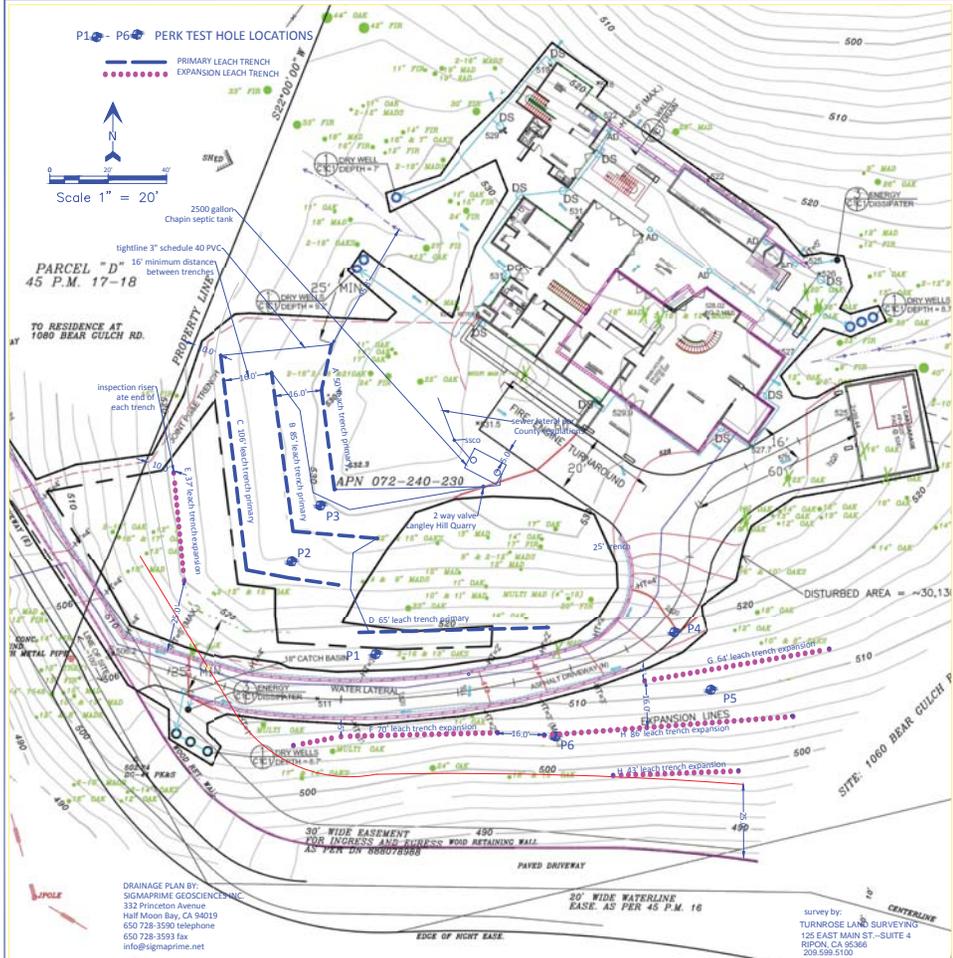
DATE: 03-18  
DRAWN BY: OAK  
CHECKED BY: JMS  
REV. DATE: 05-21-19  
REV. DATE: 11-13-19  
REV. DATE: 02-15-18  
REV. DATE: 8-14-18

**GRADING AND DRAINAGE PLAN**

JIAN PROPERTY  
1083 BEAR GULCH ROAD  
WOODS BELL, CA

APN: 072-230-230-40

**SHEET C-1**



**Langley Hill Quarry**  
 P# 600-881-0130 • Septic Systems Installed & Repaired • Lic. No. A786000  
 SMC Certified Installer No. 01  
 SMC Field Permittion Tester No. 027  
 Owner: Turnrose Land Surveying, Inc. Date: 07-21-16

1/2 HOUR INTERVALS	PERMEATION RATE	PERMEATION RATE	HOLE #1	HOLE #2	HOLE #3	HOLE #4	HOLE #5	HOLE #6
15:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
16:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
17:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
19:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
20:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
21:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
22:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
23:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
24:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
25:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
26:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
27:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
28:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
29:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
30:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
31:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
32:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
33:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
34:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
35:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
36:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
37:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
38:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
39:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
40:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
41:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
42:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
43:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
44:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
45:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
46:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
47:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
48:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
49:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
50:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
51:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
52:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
53:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
54:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
55:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
56:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
57:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
58:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
59:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
60:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

APPLICANT NAME: LANGLEY HILL QUARRY    PHONE: 800-881-0130  
 OWNER'S NAME:    AM: 072-240-230  
 ADDRESS: 1060 Bear Gulch Rd., Pacifica, CA 94044  
 SIZE OF PARCEL:    WATER SOURCE:    SUBDIVISION:    SMC  
 WEATHER TESTING EQUIPMENT:    YES    NO    DEPTH TO GROUND WATER:    10'    20'    30'    40'    50'

**PROJECT DISCUSSION**

The property owner would like to build a new seven bedroom home on this vacant parcel as shown on this plan. In order to build this new home a septic system must be installed to serve as the means of sanitary wastewater treatment and disposal.

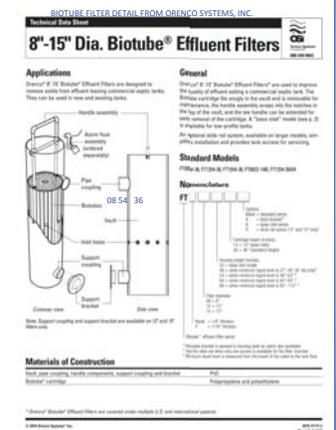
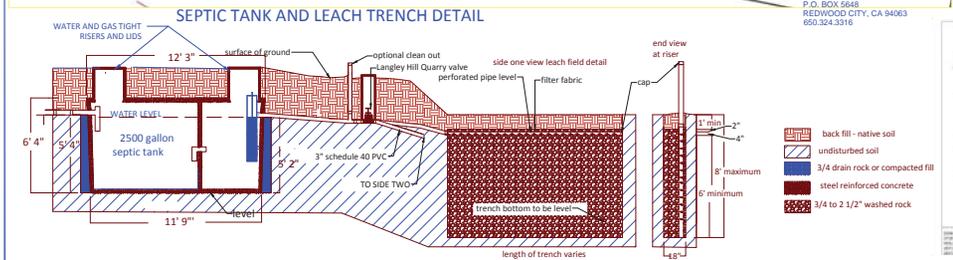
This plan was developed to show approximately where and how such septic system will be installed that meets current regulations.

The percolation test performed on this site produced an "A" rate (copy attached). At this rate a five bedroom home is required to have 4 leach fields each with 150 linear feet of standard leach trench and a 2500 gallon septic tank as shown. Two of these leach fields are designated as primary and will be installed, the other two are designated as expansion and are to be installed when needed.

**Leach Field Layout**

TRENCH	LENGTH	PRIMARY 1	PRIMARY 2	EXPANSION 1	EXPANSION 2
A	50	50			
B	85		85		
C	106	106			
D	65		65		
E	37			37	
F	70			70	
G	64				64
H	96				96
I	43			43	
TOTALS	606	156	150	150	150

- SCOPE OF WORK**
- The following work will be done under permits issued by the Town of Woodside and the County of San Mateo:
1. Install a new 2500 gallon Chapin Septic Tank as shown.
  2. Install a Langley Hill Quarry Two Way Valve as shown.
  3. Install tight line from the tank as specified to the new valve and leach field as shown.
  4. Install primary leach field trenches as shown.
  5. Install a sewer lateral as shown and as per County regulations
  6. Connect the septic tank to the sewer lateral.
  7. Septic system installation shall be done when the soil is "dry".
- All material and methods shall comply with San Mateo County regulations and policies. All work must be inspected and approved before it is covered.
- This systems were designed to handle a limited amount of wastewater. Since any additional water could cause the system to fail, all water leaks need to be repaired as soon as possible and all surface and other storm water drainage features should be designed to direct said water away from the leach field trench areas. Irrigation in leach field areas should not exceed the evapotranspiration capacity of the vegetation in question.
- This system was designed to meet County requirements and should perform well for the foreseeable future. However, nothing herein should be considered to be a warranty or guarantee of any kind and the designer liability shall be limited to \$500 or the fee paid for the design whichever is less.



**S. R. HARTSELL, R.E.H.S.**  
 P.O. BOX 342  
 PACIFICA, CA 94044  
 srh@rc.com 650.888.2424

**SEPTIC SYSTEM PLAN**

1060 Bear Gulch Road  
 Woodside, Ca 94062  
 APN 072-240-230

JUNE 23, 2015  
 SCALE AS NOTED  
 BY SRH

PAGE  
**SEPTIC**

1 OF 1



Late Afternoon  
Garden Design  
Nicholas Thayer  
707-462-5133 310 N School St  
Ukiah, CA 95482  
Ca Lic. C19633.001

Jian Property  
1060 Bear Gulch Dr  
Woodside,  
California

APN: 072-230-240

notes:

-delta 3 - 9-12-18  
-delta 4 - 1-18-19

drawing schedule:

L1 - WLO Layout/Planting Plan  
L2 - WLO Irrigation Plan  
L3 - Tree Protection Plan

drawing:

L3  
Tree Protection Plan  
delta 4

date: Jan. 18th, 2019

scale: 1" = 20' & NTS

sheet: 3 of 3

drawn by: NFT

Underground Service Alert



Call: TOLL FREE

1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

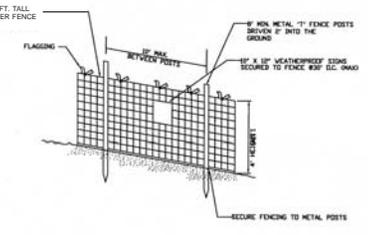
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LEGEND

- 15" FIR TREE SPECIES WITH DIAMETER AT BREAST HEIGHT NOTATION
- 20" OAK SPECIFIC TREE TO BE REMOVED
- FENCING FOR TREE PROTECTION AREA, SEE DETAIL THIS SHEET
- TPA TREE PROTECTION AREA. TPA SHALL HAVE 3 INCH COVER OF ARBORIST CHIPPED TREE WASTE OVER ENTIRE SURFACE AREA WITHIN THE TPA TO PROTECT SOIL AND TREE ROOTS FROM COMPACTION

TREE PROTECTION FENCING DETAIL  
NOT TO SCALE



PARCEL 'A'  
45 P.M. 16

PARCEL 'B'  
45 P.M. 16

FD314' 7548

FD314' RCE7548

FD314' RCE7548

FD314' RCE7548

FD314' RCE7548

FD314' RCE7548



Late Afternoon  
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L3 - Tree Protection Plan

drawing:

WELO Hydrozone &  
Planting Plan  
delta 4

date: Jan. 18th, 2019

scale: 1" = 10'

sheet: 1 of 3

drawn by: NFT

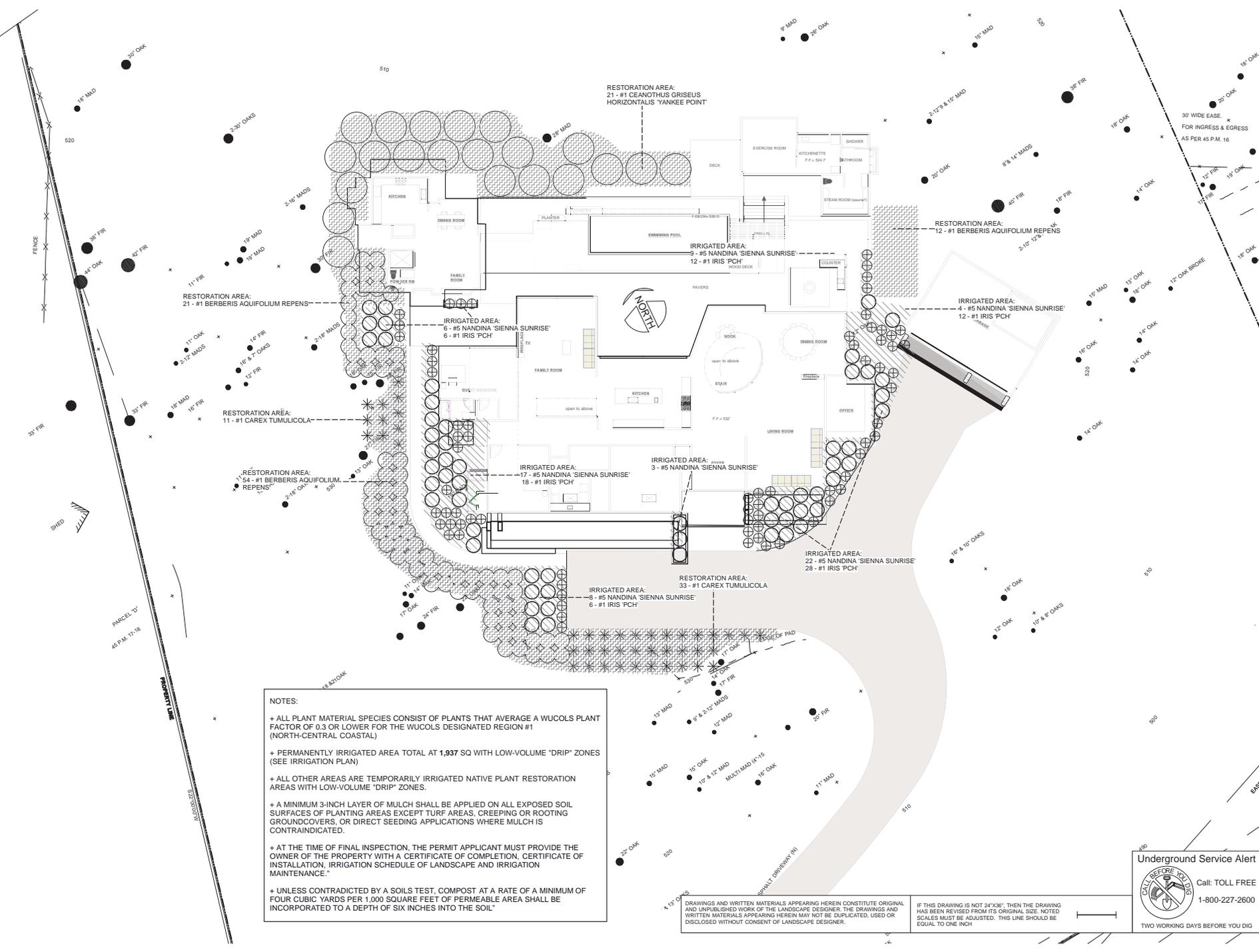


**NOTES:**

- + ALL PLANT MATERIAL SPECIES CONSIST OF PLANTS THAT AVERAGE A WUCOLS PLANT FACTOR OF 0.3 OR LOWER FOR THE WUCOLS DESIGNATED REGION #1 (NORTH-CENTRAL COASTAL)
- + PERMANENTLY IRRIGATED AREA TOTAL AT 1,937 SQ WITH LOW-VOLUME "DRIP" ZONES (SEE IRRIGATION PLAN)
- + ALL OTHER AREAS ARE TEMPORARILY IRRIGATED NATIVE PLANT RESTORATION AREAS WITH LOW-VOLUME "DRIP" ZONES.
- + A MINIMUM 3-INCH LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS, OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRAINDICATED.
- + AT THE TIME OF FINAL INSPECTION, THE PERMIT APPLICANT MUST PROVIDE THE OWNER OF THE PROPERTY WITH A CERTIFICATE OF COMPLETION, CERTIFICATE OF INSTALLATION, IRRIGATION SCHEDULE OF LANDSCAPE AND IRRIGATION MAINTENANCE."
- + UNLESS CONTRADICTED BY A SOILS TEST, COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL"

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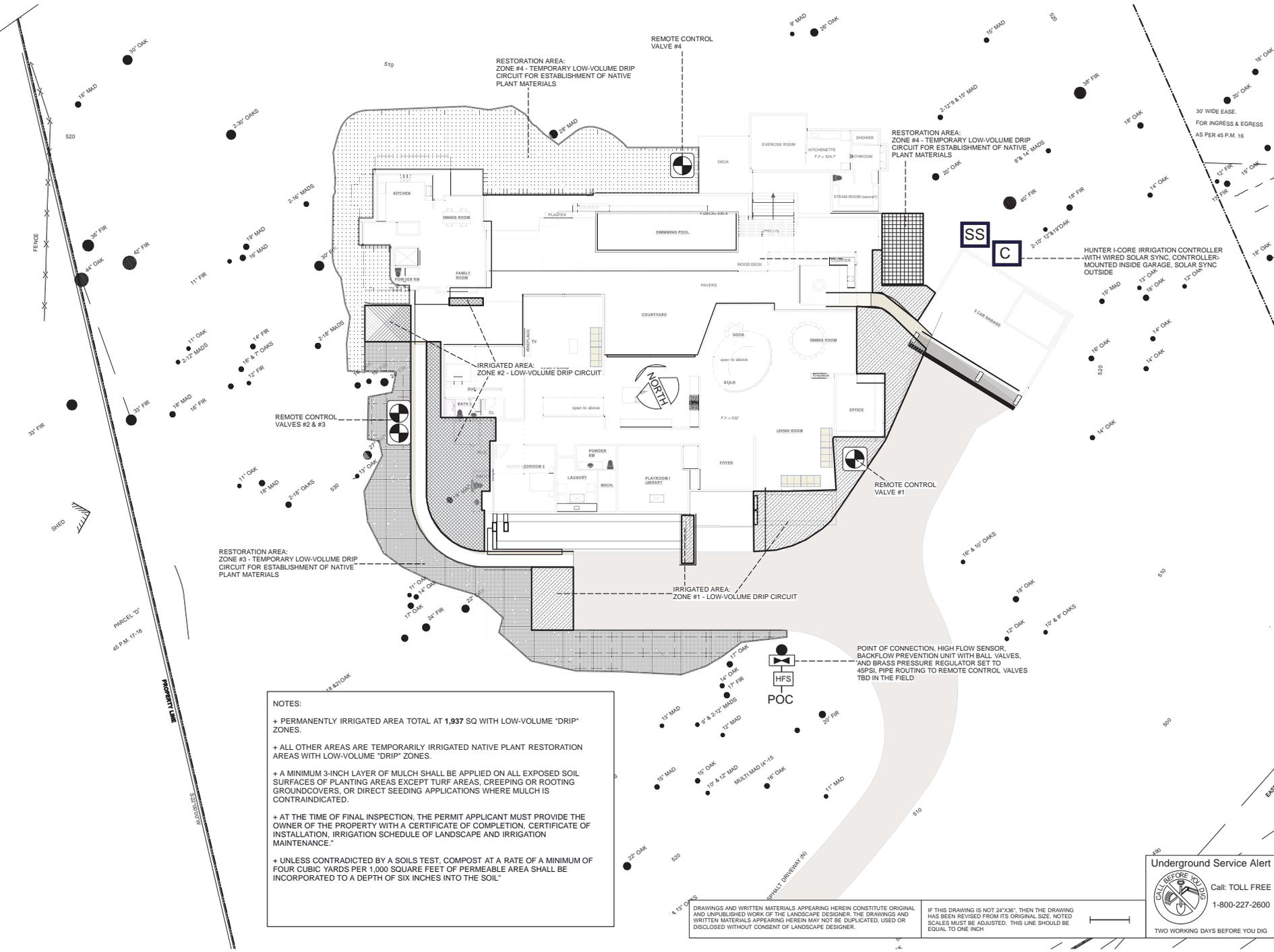
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L2  
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Plan  
delta 4

date: Jan. 18th, 2019  
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Call: TOLL FREE  
1-800-227-2600  
TWO WORKING DAYS BEFORE YOU DIG



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COUNTY OF SAN MATEO, PLANNING AND BUILDING DEPARTMENT

**NOTICE OF INTENT TO ADOPT  
MITIGATED NEGATIVE DECLARATION**

A notice, pursuant to the California Environmental Quality Act of 1970, as amended (Public Resources Code 21,000, et seq.), that the following project: Jian Single-Family Residence, when adopted and implemented, will not have a significant impact on the environment.

FILE NO.: PLN 2016-00111

OWNER: Jane Jian, Gfl Group Inc.

APPLICANT: Davide Giannella, Architect, Acadia Architecture

ASSESSOR'S PARCEL NO.: 072-240-230

LOCATION: Bear Gulch Road, unincorporated Woodside

PROJECT DESCRIPTION

The applicant is seeking a Resource Management (RM) Permit, Use Permit, and Grading Permit to construct a new 6,639 sq. ft. two-story single-family residence with an attached 874 sq. ft. 3-car garage on a legal, undeveloped 5-acre parcel in the unincorporated area of Woodside. The project also includes an attached two-story 2nd unit (1,500 sq. ft.) at the rear northwest corner of the residence, a detached 127 sq. ft. pool house at the rear northeast corner of the residence, a pool and hot tub, and an outdoor kitchen/BBQ area. Landscaping, drainage, and a septic system will also be installed to serve the development. The project includes 1,150 cubic yards (c.y.) of grading (consisting of 790 c.y. of cut and 360 c.y. of fill) for a new driveway, building crawl spaces, and patio area. The project will require the removal of 28 trees including Douglas fir, coast live oak, and Pacific madrone trees ranging in size from 4 inches dbh to 36 inches dbh, of which 17 require a permit to remove due to their size. A Use Permit is required as the proposed 2nd unit exceeds the maximum allowed size for a 2nd unit per the recently adopted update to the County's 2nd Unit Regulations, adopted on January 10, 2017 and becoming effective on February 10, 2017.

FINDINGS AND BASIS FOR A NEGATIVE DECLARATION

The Current Planning Section has reviewed the initial study for the project and, based upon substantial evidence in the record, finds that:

1. The project will not adversely affect water or air quality or increase noise levels substantially.
2. The project will not have adverse impacts on the flora or fauna of the area.
3. The project will not degrade the aesthetic quality of the area.
4. The project will not have adverse impacts on traffic or land use.

5. In addition, the project will not:
  - a. Create impacts which have the potential to degrade the quality of the environment.
  - b. Create impacts which achieve short-term to the disadvantage of long-term environmental goals.
  - c. Create impacts for a project which are individually limited, but cumulatively considerable.
  - d. Create environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly.

The County of San Mateo has, therefore, determined that the environmental impact of the project is insignificant.

MITIGATION MEASURES included in the project to avoid potentially significant effects:

**Mitigation Measure 1:** All proposed lighting (interior and exterior) shall be designed and located so as to confine direct rays to the subject property and prevent glare in the surrounding area. Manufacturer cut sheets for any exterior light fixtures shall be submitted for review and approval prior to the issuance of a building permit. All exterior fixtures shall be rated dark-sky compliant and designed to minimize light pollution beyond the confines of the subject premises.

**Mitigation Measure 2:** Final finishes of all exterior materials and/or colors, including glass windows and/or panels, shall be non-reflective.

**Mitigation Measure 3:** The applicant shall submit an Air Quality Best Management Practices Plan to the Planning and Building Department prior to the issuance of any grading "hard card" or building permit that, at a minimum, includes the "Basic Construction Mitigation Measures" as listed in Table 8-1 of the BAAQMD CEQA Guidelines (May 2011). These measures shall be implemented prior to beginning any grading and/or construction activities and shall be maintained for the duration of the project grading and/or construction activities:

- a. All exposed surfaces (e.g. parking areas, staging areas, soil piles, graded areas, and unpaved access road) shall be watered two times per day.
- b. All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
- c. All visible mud or dirt track-out onto adjacent paved roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- d. All vehicle speeds on unpaved roads shall be limited to 15 mph.
- e. Roadways and building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
- f. Idling times shall be minimized either by shutting equipment or vehicles off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.

- g. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications.
- h. Minimize the idling time of diesel powered construction equipment to two minutes.

**Mitigation Measure 4:** All regulated trees proposed for removal shall be replaced at a 1:1 ratio, minimum 15-gallon size stock. All proposed replacement trees shall be shown on a Tree Replanting Plan or Landscape Plan and shall include species, size and location. The Plan shall be submitted to the County Planning and Building Department for review and approval as part of the building permit plan sets.

**Mitigation Measure 5:** In the event that archaeological resources are inadvertently discovered during construction, work in the immediate vicinity (within 25 feet) of the find must stop until a qualified archaeologist can evaluate the significance of the find. Construction activities may continue in other areas beyond the 25-foot stop work area. A qualified archaeologist is defined as someone who meets the Secretary of the Interior's Professional Qualifications Standards in archaeology. The Current Planning Section shall be notified of such findings, and no additional work shall be done in the stop work area until the archaeologist has recommended appropriate measures, and those measures have been approved by the Current Planning Section and implemented.

**Mitigation Measure 6:** In the event that paleontological resources are inadvertently discovered during construction, work in the immediate vicinity (within 25 feet) of the find must stop until a qualified paleontologist can evaluate the significant of the find. The Current Planning Section shall be notified of such findings, and no additional work shall be done in the stop work area until the paleontologist has recommended appropriate measures, and those measures have been approved by the Current Planning Section and implemented.

**Mitigation Measure 7:** Should any human remains be discovered during construction, all ground disturbing work shall cease and the County Coroner be immediately notified, pursuant to Section 7050.5 of the State of California Health and Safety Code. Work must stop until the County Coroner can make a determination of origin and disposition of the remains pursuant to California Public Resources Code Section 5097.98. If the County Coroner determines the remains to be Native American, the Native American Heritage Commission shall be contacted within 24 hours. A qualified archaeologist, in consultation with the Native American Heritage Commission, shall recommend subsequent measures for disposition of the remains.

**Mitigation Measure 8:** The applicant shall submit an erosion control plan in compliance with the County's General Erosion and Sediment Control Plan Guidelines Checklist for review and approval as part of the building permit plans submittal.

**Mitigation Measure 9:** No grading shall be allowed during the wet weather season (October 1 through April 30) to avoid increased potential soil erosion, unless the applicant applies for an Exception to the Winter Grading Moratorium and the Community Development Director grants the exception. Exceptions will only be granted if dry weather is forecasted during scheduled grading operations, and the erosion control plan includes adequate winterization measures (amongst other determining factors).

**Mitigation Measure 10:** An Erosion Control and Tree Protection Pre-Site Inspection shall be conducted prior to the issuance of a grading permit "hard card" and building permit to ensure the approved erosion control and tree protection measures are installed adequately prior to the start of ground disturbing activities.

RESPONSIBLE AGENCY CONSULTATION

None

INITIAL STUDY

The San Mateo County Current Planning Section has reviewed the Environmental Evaluation of this project and has found that the probable environmental impacts are insignificant. A copy of the initial study is attached.

REVIEW PERIOD: March 20, 2017 through April 10, 2017

All comments regarding the correctness, completeness, or adequacy of this Negative Declaration must be received by the County Planning and Building Department, 455 County Center, Second Floor, Redwood City, no later than **5:00 p.m., April 10, 2017.**

CONTACT PERSON

Summer Burlison  
Project Planner, 650/363-1815  
[sburlison@smcgov.org](mailto:sburlison@smcgov.org)

  
\_\_\_\_\_  
Summer Burlison, Project Planner

SSB:aow- SSBBB0097\_WAH.DOCX

County of San Mateo  
Planning and Building Department

**INITIAL STUDY  
ENVIRONMENTAL EVALUATION CHECKLIST**  
(To Be Completed by Planning Department)

1. **Project Title:** Jian Single-Family Residence
2. **County File Number:** PLN 2016-00111
3. **Lead Agency Name and Address:** County of San Mateo Planning and Building Department, 455 County Center, 2<sup>nd</sup> Floor, Redwood City, CA 94063
4. **Contact Person and Phone Number:** Summer Burlison, Project Planner; 650/363-1815 or [sburlison@smcgov.org](mailto:sburlison@smcgov.org)
5. **Project Location:** Bear Gulch Road, unincorporated Woodside
6. **Assessor's Parcel Number and Size of Parcel:** 072-240-230, 5.06 acres
7. **Project Sponsor's Name and Address:** Jane Jian, The Gfl Group Inc., 155 Canyon Road, Portola Valley, CA 94028
8. **General Plan Designation:** Open Space
9. **Zoning:** Resource Management (RM)
10. **Description of the Project:** The applicant is seeking a Resource Management (RM) Permit, Use Permit, and Grading Permit to construct a new 6,639 sq. ft. two-story single-family residence with an attached 874 sq. ft. 3-car garage on a legal, undeveloped 5-acre parcel in the unincorporated area of Woodside. The project also includes an attached two-story 2<sup>nd</sup> unit (1,500 sq. ft.) at the rear northwest corner of the residence, a detached 127 sq. ft. pool house at the rear northeast corner of the residence, a pool and hot tub, and an outdoor kitchen/BBQ area. Landscaping, drainage, and a septic system will also be installed to serve the development. The project includes 1,150 cubic yards (c.y.) of grading (consisting of 790 c.y. of cut and 360 c.y. of fill) for a new driveway, building crawl spaces, and patio area. The project will require the removal of 28 trees including Douglas fir, coast live oak, and Pacific madrone trees ranging in size from 4 inches dbh to 36 inches dbh, of which 17 require a permit to remove due to their size. A Use Permit is required as the proposed 2<sup>nd</sup> unit exceeds the maximum allowed size for a 2<sup>nd</sup> unit per the recently adopted update to the County's 2<sup>nd</sup> Unit Regulations, adopted on January 10, 2017 and becoming effective on February 10, 2017.
11. **Surrounding Land Uses and Setting:** The 5-acre project parcel is located approximately 0.6 miles east of Skyline Boulevard, (State Route 35). The surrounding area consists of individual privately-owned 5 – 20-acre parcels, including the subject parcel, located along a ridgeline of the northern end of the Santa Cruz Mountains. The area consists of moderate to steep slopes and dense tree coverage. The parcels are served by Bear Gulch Road, a privately maintained rural roadway that is accessible from Woodside Road (State Route 84). The project parcel is

bounded to the south by Bear Gulch Road, and to the north, east, and west by privately-owned rural properties of similar size. The properties to the east and west are developed with single-family residences.

12. **Other Public Agencies Whose Approval is Required:** None

**ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED**

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

X	Aesthetics	X	Climate Change		Population/Housing
	Agricultural and Forest Resources		Hazards and Hazardous Materials		Public Services
X	Air Quality	X	Hydrology/Water Quality		Recreation
X	Biological Resources		Land Use/Planning		Transportation/Traffic
X	Cultural Resources		Mineral Resources		Utilities/Service Systems
X	Geology/Soils		Noise		Mandatory Findings of Significance

**EVALUATION OF ENVIRONMENTAL IMPACTS**

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
4. "Negative Declaration: Less Than Significant with Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analyses," as described in 5. below, may be cross-referenced).

5. Earlier analyses may be used where, pursuant to the tiered program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration (Section 15063(c)(3)(D)). In this case, a brief discussion should identify the following:
  - a. Earlier Analysis Used. Identify and state where they are available for review.
  - b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
  - c. Mitigation Measures. For effects that are "Less Than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources. Sources used or individuals contacted should be cited in the discussion.

1. AESTHETICS. Would the project:				
	Potentially Significant Impacts	Significant Unless Mitigated	Less Than Significant Impact	No Impact
1.a. Have a significant adverse effect on a scenic vista, views from existing residential areas, public lands, water bodies, or roads?			X	
<p><b>Discussion:</b> The project parcel is located on a ridgeline of the northern end of the Santa Cruz Mountains. The parcel fronts Bear Gulch Road with a moderate slope uphill to the only relatively flat area of the 5-acre parcel. The sloped frontage, similar to the majority of the parcel, consists of fairly dense, mature tree coverage. The relatively flat project site area is surrounded by moderate downslopes to the east, west, and south, and a steeper downslope to the north. The center of the project site area is relatively clear of trees and vegetation. Existing residential development to the east and west are minimally visible from the project site through intervening mature tree canopy. A new driveway will be constructed from the parcel's frontage on Bear Gulch Road up to the project site area. Existing topography and trees in this area will help screen the driveway and uphill residential development from the roadway. The nearest water bodies are Alambique Creek located downhill in a canyon on the south side of Bear Gulch Road and Bear Gulch Creek located downhill in a canyon north of the project site, approximately 0.3 miles away. Bear Gulch Creek runs through undeveloped rural property owned by the California Water Service Company. The parcel's location, topography, and extent of tree coverage will minimize any visual impacts from the project to the surrounding area.</p> <p><b>Source:</b> Project Plans; Project Location.</p>				

1.b. Significantly damage or destroy scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?			X	
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**Discussion:** The project proposes to remove 28 trees in and around the immediate project area in order to accommodate the proposed development. Tree removal consists of 3 Douglas fir (ranging from 15 inches to 24 inches dbh), 19 coast live oak (ranging in size from 12 inches to 36 inches dbh), and 6 Pacific madrone (ranging in size from 4 inches to 19 inches dbh): As mentioned, proposed tree removal will be limited to the immediate project area and to that necessary to construct the project. Given the extent of mature trees on the 5-acre parcel and surrounding area, the proposed removals will not cause significant damage to scenic resources as the removals will be localized to the interior of the parcel in the immediate area of the project site. See also staff's discussion in Section 4.e. below.

**Source:** Project Plans, Project Location.

1.c. Significantly degrade the existing visual character or quality of the site and its surroundings, including significant change in topography or ground surface relief features, and/or development on a ridgeline?			X	
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**Discussion:** The project parcel is located on a ridgeline of the northern end of the Santa Cruz Mountains. The parcel is minimally visible from the immediate residential properties to the east and west through intervening tree canopy, which is proposed to remain. Due to the parcel's topography and tree coverage, the project site would be minimally visible from Bear Gulch Road, which is a private rural road serving rural residential developments in the area. While the majority of the 5-acre parcel consists of dense tree coverage, the relatively flat building site area is relatively absent of dense tree coverage. There is an opening in the perimeter canopy coverage of the building site, at the rear of the building site (north side), that provides a private overlook to the lower undeveloped lands to the north of the parcel owned by California Water Service Company. Due to the significant drop in elevation and distance from California Water Service Company land or beyond, the proposed project may be minimally visible from far distances. The project proposes to use subdued gray colors to help minimize any visual impacts to the rural area.

The project site area is relatively flat; however, 1,150 cubic yards (c.y.) of grading is proposed, including 790 c.y. of cut to construct a new driveway and crawl spaces for the residence, and 360 c.y. of fill to create outdoor patio space. The proposed grading is the minimum necessary to implement the project and would not significantly alter topography or ground surface relief features.

**Source:** Project Plans; Project Location.

1.d. Create a new source of significant light or glare that would adversely affect day or nighttime views in the area?		X		
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**Discussion:** The majority of the project will be screened from surrounding views by topography, tree coverage, and distance of the development to neighboring properties and roadways. However, new light sources and glare from the proposed development has the potential to generate adverse impacts on day and nighttime views along the rear side of the development where the tree canopy opens up to the lower distant region. The rear yard is proposed to include substantial outdoor

usable space including a pool and spa, outdoor kitchen/BBQ area, and patios. The following mitigation measures are recommended to minimize any adverse daytime or nighttime view impacts from light or glare that the project may introduce to the area:

**Mitigation Measure 1:** All proposed lighting (interior and exterior) shall be designed and located so as to confine direct rays to the subject property and prevent glare in the surrounding area. Manufacturer cut sheets for any exterior light fixtures shall be submitted for review and approval prior to the issuance of a building permit. All exterior fixtures shall be rated dark-sky compliant and designed to minimize light pollution beyond the confines of the subject premises.

**Mitigation Measure 2:** Final finishes of all exterior materials and/or colors, including glass windows and/or panels, shall be non-reflective.

**Source:** Project Plans; Project Location.

1.e. Be adjacent to a designated Scenic Highway or within a State or County Scenic Corridor?				X
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**Discussion:** The parcel is not located within, or adjacent to, a designated Scenic Highway or State or County Scenic Corridor. The parcel is approximately 0.37 miles east of the nearest scenic corridor (i.e., Skyline State Scenic Corridor).

**Source:** San Mateo County General Plan, Scenic Corridors Map.

1.f. If within a Design Review District, conflict with applicable General Plan or Zoning Ordinance provisions?				X
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**Discussion:** The parcel is not located within a Design Review District.

**Source:** San Mateo County Zoning Map.

1.g. Visually intrude into an area having natural scenic qualities?		X		
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**Discussion:** See staff's discussion in Section 1.a. – 1.d. above.

**Source:** Project Plans; Project Location.

<p><b>2. AGRICULTURAL AND FOREST RESOURCES.</b> In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the State's inventory of forestland, including the Forest and Range Assessment Project and the Forest Legacy Assessment Project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:</p>					
		<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
2.a.	For lands outside the Coastal Zone, convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland) as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?				X
<p><b>Discussion:</b> According to the California Department of Conservation Farmland Mapping and Monitoring Program, the project site is designated "Other Land" and therefore is not Prime Farmland, Unique Farmland, or Farmland of Statewide Importance.</p> <p><b>Source:</b> California Department of Conservation, Farmland Mapping and Monitoring Program Map (2017).</p>					
2.b.	Conflict with existing zoning for agricultural use, an existing Open Space Easement, or a Williamson Act contract?				X
<p><b>Discussion:</b> The project parcel is zoned Resource Management (RM), which permits agricultural and residential uses. Furthermore, the parcel is not protected by an existing Open Space Easement or Williamson Act contract.</p> <p><b>Source:</b> San Mateo County Zoning Regulations; San Mateo County Agricultural Preserves Map; Project Plans.</p>					
2.c.	Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forestland to non-forest use?				X
<p><b>Discussion:</b> The project parcel is not located in an area identified as Farmland or suitable for agricultural activities. Furthermore, the project is not considered forestland pursuant to Public Resources Code Section 12220(g) which defines forestland as land that can support 10% native tree cover of any species and that allows for management of one or more forest resources. The</p>					

<p>project site is an undeveloped, privately-owned 5-acre parcel surrounded by similarly sized residentially developed rural properties.</p> <p><b>Source:</b> California Department of Conservation, Farmland Mapping and Monitoring Program Map (2017); Public Resources Code Section 12220(g); Project Location.</p>					
2.d.	For lands within the Coastal Zone, convert or divide lands identified as Class I or Class II Agriculture Soils and Class III Soils rated good or very good for artichokes or Brussels sprouts?				X
<p><b>Discussion:</b> The project parcel is not located within the Coastal Zone.</p> <p><b>Source:</b> Project Location</p>					
2.e.	Result in damage to soil capability or loss of agricultural land?				X
<p><b>Discussion:</b> The project parcel is not located in an area with productive soil resources with timber or agricultural capabilities, based on the San Mateo County General Plan Productive Soil Resources Map.</p> <p><b>Source:</b> San Mateo County General Plan, Productive Soil Resources Map.</p>					
2.f.	Conflict with existing zoning for, or cause rezoning of, forestland (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?  <i>Note to reader: This question seeks to address the economic impact of converting forestland to a non-timber harvesting use.</i>				X
<p><b>Discussion:</b> The property is zoned Resource Management (RM). Residential uses are allowed in the RM Zoning District subject to an RM permit, which the applicant is seeking as part of the subject project. No proposed zoning changes are included as part of this project.</p> <p><b>Source:</b> San Mateo County Zoning Regulations; Project Plans.</p>					

<p><b>3. AIR QUALITY.</b> Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:</p>					
		<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
3.a.	Conflict with or obstruct implementation of the applicable air quality plan?			X	
<p><b>Discussion:</b> The Bay Area 2010 Clean Air Plan (CAP), developed by the Bay Area Air Quality Management District (BAAQMD), is the applicable air quality plan for San Mateo County. The CAP was created to improve Bay Area air quality and to protect public health and the climate.</p> <p>The project will not conflict with or obstruct the implementation of the BAAQMD's 2010 CAP. Once constructed, use of the development as a single-family residence would have minimal impacts to the air quality standards set forth for the region by the BAAQMD.</p> <p><b>Source:</b> BAAQMD 2010 Clean Air Plan; Project Plans.</p>					
3.b.	Violate any air quality standard or contribute significantly to an existing or projected air quality violation?		X		
<p><b>Discussion:</b> During project construction, air emissions will be generated from site grading, construction equipment, and construction worker vehicles. However, any such construction-related emissions will be temporary and localized.</p> <p>The BAAQMD has established thresholds of significance for construction emissions and operational emissions. As defined in the BAAQMD's 1999<sup>1</sup> CEQA Guidelines, the BAAQMD does not require quantification of construction emissions due to the number of variables that can impact the calculation of construction emissions. Instead, the BAAQMD emphasizes implementation of all feasible control measures to minimize emissions from construction activities. The BAAQMD provides a list of construction-related control measures that they have determined when fully implemented would significantly reduce construction-related air emissions to a less than significant level. These control measures have been combined into Mitigation Measure 3 below. Furthermore, Section 2-1-113 (Exemption, Sources and Operations) of the BAAQMD General Requirements exempts sources of air pollution associated with the construction of a single-family residence used solely for residential purposes, as well as road construction, from obtaining an Authority to Construct or Permit to Operate.</p> <p><b>Mitigation Measure 3:</b> The applicant shall submit an Air Quality Best Management Practices Plan to the Planning and Building Department prior to the issuance of any grading "hard card" or building permit that, at a minimum, includes the "Basic Construction Mitigation Measures" as listed in Table 8-1 of the BAAQMD CEQA Guidelines (May 2011). These measures shall be implemented prior to beginning any grading and/or construction activities and shall be maintained for the duration of the project grading and/or construction activities:</p>					

<sup>1</sup> Thresholds of Significance are from the BAAQMD's 1999 CEQA Guidelines since the BAAQMD's last adopted 2010 Thresholds of Significance are currently under appeal by the BAAQMD with the California Supreme Court related to the BAAQMD's failure to comply with CEQA when adopting the Thresholds. Until this appeal is decided upon, the BAAQMD identifies that lead agencies may continue to rely on the Air District's 1999 Thresholds of Significance and make determinations regarding the significance of an individual project's air quality impacts based on the substantial evidence in the record for that project.

- a. All exposed surfaces (e.g. parking areas, staging areas, soil piles, graded areas, and unpaved access road) shall be watered two times per day.
- b. All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
- c. All visible mud or dirt track-out onto adjacent paved roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- d. All vehicle speeds on unpaved roads shall be limited to 15 mph.
- e. Roadways and building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
- f. Idling times shall be minimized either by shutting equipment or vehicles off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.
- g. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications.
- h. Minimize the idling time of diesel powered construction equipment to two minutes.

**Source:** BAAQMD CEQA Guidelines, December 1999; BAAQMD CEQA Guidelines, May 2011; BAAQMD Regulation 2, Rule 1; Project Plans.

<p>3.c. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?</p>		X		
<p><b>Discussion:</b> The Bay Area Air Basin is designated as non-attainment for Ozone, Particulate Matter (PM<sub>10</sub>), and Particulate Matter – Fine (PM<sub>2.5</sub>)<sup>2</sup>, according to the BAAQMD. Therefore, any increase in these criteria pollutants is significant. Implementation of the project will generate temporary increases in these criteria pollutants due to construction vehicle emissions and dust generated from earthwork activities. Mitigation Measure 3 will minimize increases in non-attainment criteria pollutants generated from project construction to a less than significant level. Furthermore, the California Air Resources Board (CARB) provides regulation over vehicles of residents in the State of California, including the operation of any vehicles that would be associated with the proposed single-family residence, to ensure vehicle operating emissions are minimized in the effort towards reaching attainment for Ozone, among other goals.</p> <p><b>Source:</b> BAAQMD Air Quality Standards and Attainment Status, URL (2017); Project Plans.</p>				
<p>3.d. Expose sensitive receptors to significant pollutant concentrations, as defined by BAAQMD?</p>		X		

<sup>2</sup> On January 9, 2013, the Environmental Protection Agency (EPA) issued a final rule determining that the Bay Area attains the 24-hour PM<sub>2.5</sub> national standard. However, despite this action by the EPA, the Bay Area will continue to be designated as "non-attainment" until the Air District submits a "re-designation request" and a "maintenance plan" to the EPA, and the EPA approved the proposed re-designation.

**Discussion:** Any pollutant emissions generated from the project will primarily be temporary in nature. The project site is in a rural area with few sensitive receptors (i.e., single-family residences) located within the nearby project vicinity. Additionally, the surrounding tree canopy and vegetation will help to insulate the project area from nearby sensitive receptors. Furthermore, Mitigation Measure 3 will minimize any potential significant exposure to nearby sensitive receptors to a less than significant level.

**Source:** Project Plans; Project Location.

3.e. Create objectionable odors affecting a significant number of people?				X
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**Discussion:** The project proposes development of a single-family residence on a 5-acre parcel in a rural area of the unincorporated County and therefore, will not generate objectionable odors that could affect a significant number of people.

**Source:** Project Plans

3.f. Generate pollutants (hydrocarbon, thermal odor, dust or smoke particulates, radiation, etc.) that will violate existing standards of air quality on-site or in the surrounding area?		X		
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**Discussion:** See staff's discussions, and recommended Mitigation Measure 3, in Sections 3.b. and 3.c. above.

**Source:** See sources in Section 3.b. and 3.c. above.

**4. BIOLOGICAL RESOURCES.** Would the project:

	Potentially Significant Impacts	Significant Unless Mitigated	Less Than Significant Impact	No Impact
4.a. Have a significant adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?				X

**Discussion:** According to review of the California Natural Diversity Database (CNDDB), there are no special-status plant or animal species identified on the project site or within the immediate vicinity of the project site. Furthermore, the nearest mapped sensitive habitat identified on the County's General Plan Sensitive Habitats Map is riparian habitat along Alambique Creek, which runs along a canyon south of Bear Gulch Road. Since the project site is located uphill, on the north side of Bear Gulch Road, the project will not have any impacts on this mapped riparian habitat.

**Source:** California Natural Diversity Database; San Mateo County General Plan, Sensitive Habitats

Map					
4.b.	Have a significant adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?				X
<p><b>Discussion:</b> There are no riparian habitats or other sensitive natural communities located on the project site. See staff's discussion in Section 4.a. above.</p> <p><b>Source:</b> San Mateo County General Plan, Sensitive Habitats Map; Project Plans; Site Visit, 2017</p>					
4.c.	Have a significant adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?				X
<p><b>Discussion:</b> There are no wetlands located within the project area.</p> <p><b>Source:</b> U.S. Fish and Wildlife Service, Wetland Mapper V2 (2017)</p>					
4.d.	Interfere significantly with the movement of any native resident or migratory fish or wildlife species or with established native resident migratory wildlife corridors, or impede the use of native wildlife nursery sites?				X
<p><b>Discussion:</b> See staff's discussion in Section 4.a. above.</p> <p><b>Source:</b> See sources referenced in Section 4.a. above.</p>					
4.e.	Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance (including the County Heritage and Significant Tree Ordinances)?		X		
<p><b>Discussion:</b> The project proposes to remove 28 trees consisting of 3 Douglas fir (15 inches, 24 inches, and 30 inches dbh<sup>3</sup>), 19 coast live oaks (ranging in size from 11 inches dbh to 36 inches dbh), and 6 Pacific madrones (ranging in size from 4 inches to 19 inches dbh). The trees proposed for removal are the minimum necessary to accommodate the proposed development as these trees are within the footprint of proposed development (including building, driveway, and utilities). The Development Review Criteria of the Resource Management (RM) District Regulations prohibits the removal of trees with a trunk circumference of more than 55 inches measured at 4.5 feet above the</p>					

<sup>3</sup> DBH (diameter at breast height) is the measurement at 4.5 feet above ground.

average surface of the ground (or more than 17.5 inches dbh), except as may be required for development permitted under the Zoning Regulations, among other reasons. The RM District allows single-family residences subject to the issuance of an RM permit. Of the 28 trees proposed for removal, 7 are of a size falling under regulation by the RM District Development Review Criteria and therefore, require an RM Permit for which the applicant is seeking. As mentioned, removal of these trees are necessary to accommodate the proposed single-family residential development. No trees proposed for removal are considered heritage trees by definition (Section 11,050(g)) under the County's Heritage Tree Ordinance. Replacement tree plantings shall be provided at a 1:1 ratio of 15-gallon (minimum) sized trees of native species for the regulated trees proposed for removal. Furthermore, any regulated oak trees removed shall be replaced with the same species.

**Mitigation Measure 4:** All regulated trees proposed for removal shall be replaced at a 1:1 ratio, minimum 15-gallon size stock. All proposed replacement trees shall be shown on a Tree Replanting Plan or Landscape Plan and shall include species, size and location. The Plan shall be submitted to the County Planning and Building Department for review and approval as part of the building permit plan sets.

**Source:** Project Plans; San Mateo County Zoning Regulations; San Mateo County Significant Tree Ordinance; San Mateo County Heritage Tree Ordinance.

4.f.	Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Conservation Community Plan, other approved local, regional, or State habitat conservation plan?				X
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**Discussion:** There are no adopted Habitat Conservation Plans, Natural Conservation Community Plans or other approved local, regional, or State habitat conservation plans for the project site.

**Source:** California Department of Fish and Wildlife, Habitat Conservation Planning, California Regional Conservation Plans Map.

4.g.	Be located inside or within 200 feet of a marine or wildlife reserve?				X
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**Discussion:** The project site is not located inside or within 200 feet of a marine or wildlife reserve.

**Source:** U.S. Fish and Wildlife Services, National Wildlife Refuge System Locator.

4.h.	Result in loss of oak woodlands or other non-timber woodlands?		X		
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**Discussion:** State Senate Concurrent Resolution No. 17 requires state agencies to preserve and protect native oak woodlands to the maximum extent feasible or provide replacement plantings when oak woodlands are removed. For the purposes of the measure, "oak woodlands" means a five-acre circular area containing five or more oak trees per acre. The project parcel is smaller than the defined five-acre circular area under the State Senate Resolution. Nonetheless, the project does propose to remove non-timber woodlands consisting of a total of 28 trees of various species (i.e., Douglas fir, coast live oak, and Pacific madrone), of which 17 require a permit to remove due to their size (17.5 inches dbh or greater). Replacement plantings are required for the regulated trees proposed for removal. See staff's discussion in Section 4.e. above.

**Source:** State Senate Concurrent Resolution No. 17.

5. CULTURAL RESOURCES. Would the project:				
	Potentially Significant Impacts	Significant Unless Mitigated	Less Than Significant Impact	No Impact
5.a. Cause a significant adverse change in the significance of a historical resource as defined in CEQA Section 15064.5?				X
<p><b>Discussion:</b> According to a cultural resources survey report prepared by SWCA, the project site does not contain any historical resources.</p> <p><b>Source:</b> Cultural Resources Survey Report prepared by SWCA Environmental Consultants, dated July 2016.</p>				
5.b. Cause a significant adverse change in the significance of an archaeological resource pursuant to CEQA Section 15064.5?		X		
<p><b>Discussion:</b> A cultural resources survey report prepared by SWCA indicates that while unlikely, there is a possibility that buried or obscured archaeological resources may be encountered during construction. Therefore, the following mitigation measure is recommended:</p> <p><b>Mitigation Measure 5:</b> In the event that archaeological resources are inadvertently discovered during construction, work in the immediate vicinity (within 25 feet) of the find must stop until a qualified archaeologist can evaluate the significance of the find. Construction activities may continue in other areas beyond the 25-foot stop work area. A qualified archaeologist is defined as someone who meets the Secretary of the Interior's Professional Qualifications Standards in archaeology. The Current Planning Section shall be notified of such findings, and no additional work shall be done in the stop work area until the archaeologist has recommended appropriate measures, and those measures have been approved by the Current Planning Section and implemented.</p> <p><b>Source:</b> Cultural Resources Survey Report prepared by SWCA Environmental Consultants, dated July 2016.</p>				
5.c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?		X		
<p><b>Discussion:</b> The project site does not consist of any known or identified unique paleontological resources or geological features. Due to earthwork associated with the project, the project may have the potential to impact any unknown paleontological resources. Therefore, the following mitigation measure is recommended to minimize any potential unearthing and impact to any unknown paleontological resources with the project area.</p> <p><b>Mitigation Measure 6:</b> In the event that paleontological resources are inadvertently discovered during construction, work in the immediate vicinity (within 25 feet) of the find must stop until a qualified paleontologist can evaluate the significance of the find. The Current Planning Section shall be notified of such findings, and no additional work shall be done in the stop work area until the paleontologist has recommended appropriate measures, and those measures have been approved by the Current Planning Section and implemented.</p>				

<b>Source:</b> Project Location; Cultural Resources Survey Report prepared by SWCA Environmental Consultants, dated July 2016.				
5.d.	Disturb any human remains, including those interred outside of formal cemeteries?		X	
<p><b>Discussion:</b> There is a possibility for the discovery of human remains during ground disturbance and/or construction related activities. Therefore, the following mitigation measure is recommended:</p> <p><b>Mitigation Measure 7:</b> Should any human remains be discovered during construction, all ground disturbing work shall cease and the County Coroner be immediately notified, pursuant to Section 7050.5 of the State of California Health and Safety Code. Work must stop until the County Coroner can make a determination of origin and disposition of the remains pursuant to California Public Resources Code Section 5097.98. If the County Coroner determines the remains to be Native American, the Native American Heritage Commission shall be contacted within 24 hours. A qualified archaeologist, in consultation with the Native American Heritage Commission, shall recommend subsequent measures for disposition of the remains.</p> <p><b>Source:</b> Cultural Resources Survey Report prepared by SWCA Environmental Consultants, dated July 2016.</p>				

<b>6. GEOLOGY AND SOILS.</b> Would the project:					
		<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
6.a.	Expose people or structures to potential significant adverse effects, including the risk of loss, injury, or death involving the following, or create a situation that results in:				
	<p>i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other significant evidence of a known fault?</p> <p><i>Note: Refer to Division of Mines and Geology Special Publication 42 and the County Geotechnical Hazards Synthesis Map.</i></p>				X
<p><b>Discussion:</b> The project site is not located in an Alquist-Priolo Earthquake Fault Zone or special study area where fault rupture is likely to occur.</p> <p><b>Source:</b> State of California, Division of Mines and Geology, Special Studies Zones Map, Woodside Quadrangle, July 1, 1974; Geotechnical Study, Sigma Prime Geosciences, Inc., April 2016.</p>					
	ii. Strong seismic ground shaking?			X	

**Discussion:** According to a geotechnical study prepared for the project by Sigma Prime Geosciences, Inc., the project site is located in an active seismic area with the closest active fault being the San Andreas fault located approximately 2.3 km east of the project site. The project is required to comply with all seismic design criteria of the current California Building Code which sets forth the minimum load requirements for the seismic design of structures. Therefore, no additional mitigation is necessary beyond current Building Code compliance.

**Source:** Geotechnical Study, Sigma Prime Geosciences, Inc., April 2016.

iii. Seismic-related ground failure, including liquefaction and differential settling?			X	
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**Discussion:** According to Sigma Prime Geosciences, Inc., subsurface conditions of the project area consist of sandstone and shale that is characterized as weathered and weak but very dense. Due to the density of this underlying rock, the likelihood of significant damage caused by differential compaction is negligible. Additionally, loose, saturated sandy soils which are most susceptible to liquefaction were not encountered in the project area. Therefore, the likelihood of liquefaction on the project site is negligible.

**Source:** Geotechnical Study, Sigma Prime Geosciences, Inc., April 2016.

iv. Landslides?			X	
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**Discussion:** The U.S. Geological Survey's Landslide Susceptibility Map of 1972 identifies the front portion of the project parcel (where the driveway is proposed) as having a moderate susceptibility to landslides and the remaining area of the parcel, including where the building site is proposed, to have the highest susceptibility to landslides. The Map clarifies that some areas may be relatively stable and suitable for development whereas other areas are active and causing damage to structures. A geotechnical study of the project site prepared by Sigma Prime Geosciences, Inc. states that based on site reconnaissance and geologic map review, there are no indications that landslide activity will have an adverse impact on the subject site. The steeper slope to the north of the building site shows no signs of historic slope instability and soils in the area are hollow and underlain by competent bedrock. Therefore, Sigma Prime Geosciences, Inc., concludes that the likelihood of a landslide at the project site is low.

**Source:** Geotechnical Study, Sigma Prime Geosciences, Inc., April 2016.

v. Coastal cliff/bluff instability or erosion?				X
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*Note to reader: This question is looking at instability under current conditions. Future, potential instability is looked at in Section 7 (Climate Change).*

**Discussion:** The project site is not located on a coastal cliff or bluff.

**Source:** Project Location.

6.b. Result in significant soil erosion or the loss of topsoil?		X		
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**Discussion:** The project proposes 1,150 cubic yards (c.y.) of grading, including 790 c.y. of cut and 360 c.y. of fill. Given the topography of the project site, there is a potential for erosion to occur if

proper erosion control measures are not implemented. The applicant has developed an erosion control plan that includes silt fencing around the perimeter of construction and a stabilized construction entrance from Bear Gulch Road, as well as other best management erosion control practices. Furthermore, staff is recommending the following mitigation measures to further minimize erosion and run-off from the project area and ensure grading and erosion control measures are implemented appropriately:

**Mitigation Measure 8:** The applicant shall submit an erosion control plan in compliance with the County's General Erosion and Sediment Control Plan Guidelines Checklist for review and approval as part of the building permit plans submittal.

**Mitigation Measure 9:** No grading shall be allowed during the wet weather season (October 1 through April 30) to avoid increased potential soil erosion, unless the applicant applies for an Exception to the Winter Grading Moratorium and the Community Development Director grants the exception. Exceptions will only be granted if dry weather is forecasted during scheduled grading operations, and the erosion control plan includes adequate winterization measures (amongst other determining factors).

**Mitigation Measure 10:** An Erosion Control and Tree Protection Pre-Site Inspection shall be conducted prior to the issuance of a grading permit "hard card" and building permit to ensure the approved erosion control and tree protection measures are installed adequately prior to the start of ground disturbing activities.

**Source:** Project Plans; County of San Mateo Erosion Control and Tree Protection Requirements.

6.c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, severe erosion, liquefaction or collapse?		X		
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**Discussion:** While landslide, liquefaction, lateral spreading, subsidence, and collapse are not identified as potentially significant impacts to the project, there is a moderate potential for significant erosion from project construction. Mitigation measures 8 - 10 will ensure erosion from construction activities is minimized.

**Source:** Project Plans.

6.d. Be located on expansive soil, as noted in the 2010 California Building Code, creating significant risks to life or property?				X
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**Discussion:** The project site is not identified as consisting of expansive soils per the geotechnical study completed by Sigma Prime Geosciences, Inc.

**Source:** Geotechnical Study, Sigma Prime Geosciences, Inc., April 2016.

6.e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?				X
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**Discussion:** The project has been preliminarily reviewed by the County of San Mateo Environmental Health Division and has received conditional approval for the location of a septic system capable to serve the proposed residential development.

**Source:** Project Plans; County of San Mateo Environmental Health Division

**7. CLIMATE CHANGE.** Would the project:

	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
7.a. Generate greenhouse gas (GHG) emissions (including methane), either directly or indirectly, that may have a significant impact on the environment?		X		

**Discussion:** The project includes the removal of 28 trees of various species (Douglas fir, coast live oak, Pacific madrone) and sizes (ranging from 4 inches to 36 inches dbh) to accommodate the proposed development. In context to the surrounding forested area, the removal of trees will not release significant amounts of GHG emissions or significantly reduce GHG sequestering in the area. Furthermore, new trees will be planted to replace the regulated trees proposed for removal.

Grading and construction activities associated with the project will result in the temporary generation of GHG emissions primarily from construction-related vehicles and equipment. Any such potential increase in GHG emission levels will be minimal and temporary. **Mitigation measure 3 (f-h)** in Section 3.b. will help ensure any such temporary emissions are minimized.

The project introduces a new single-family residential use to the area. Any increase in GHG emissions associated with a new single-family residential use are not expected to be significant as residential use does not generate a high demand for traffic. Furthermore, the project is required to comply with all current California Codes, including California Energy Code and all mandatory requirements under the California Green Building Standards Code.

**Source:** San Mateo County Energy Efficiency Climate Action Plan (EECAP); Project Plans.

7.b. Conflict with an applicable plan (including a local climate action plan), policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?			X	
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**Discussion:** The project does not conflict with the San Mateo County Energy Efficient Climate Action Plan. See staff's discussion in Section 7.a. above.

**Source:** San Mateo County Energy Efficiency Climate Action Plan (EECAP).

7.c. Result in the loss of forestland or conversion of forestland to non-forest use, such that it would release significant amounts of GHG emissions, or significantly reduce GHG sequestering?				X
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<p><b>Discussion:</b> The project site does not contain forestlands as defined in Public Resources Code Section 12220(g).</p> <p><b>Source:</b> Public Resources Code, Section 12220(g).</p>					
7.d.	Expose new or existing structures and/or infrastructure (e.g., leach fields) to accelerated coastal cliff/bluff erosion due to rising sea levels?				X
<p><b>Discussion:</b> The project site is located over 7.5 miles from the ocean and therefore is not located within the coastal zone.</p> <p><b>Source:</b> Project Location.</p>					
7.e.	Expose people or structures to a significant risk of loss, injury or death involving sea level rise?				X
<p><b>Discussion:</b> The project site is located over 7.5 miles from the ocean. Given the distance from the ocean and terrain between the project site and the ocean, the project will not generate any potential risk to life or structures due to sea level rise.</p> <p><b>Source:</b> Project Location.</p>					
7.f.	Place structures within an anticipated 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?				X
<p><b>Discussion:</b> The project site is not located within a 100-year flood hazard area.</p> <p><b>Source:</b> Federal Emergency Management Agency, Flood Insurance Rate Map, Community Panel 06081C0295E, effective October 16, 2012.</p>					
7.g.	Place within an anticipated 100-year flood hazard area structures that would impede or redirect flood flows?				X
<p><b>Discussion:</b> The project site is not located within a 100-year flood hazard area.</p> <p><b>Source:</b> Federal Emergency Management Agency, Flood Insurance Rate Map, Community Panel 06081C0295E, effective October 16, 2012.</p>					

<b>8. HAZARDS AND HAZARDOUS MATERIALS.</b> Would the project:				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
8.a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials (e.g., pesticides, herbicides, other toxic substances, or radioactive material)?				X
<p><b>Discussion:</b> The project does not involve the use, transport, or disposal of hazardous materials.</p> <p><b>Source:</b> Project Plans.</p>				
8.b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?				X
<p><b>Discussion:</b> See staff's discussion in Section 8.a. above.</p> <p><b>Source:</b> Project Plans.</p>				
8.c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				X
<p><b>Discussion:</b> The project does not involve the emittance or handling of hazardous emissions.</p> <p><b>Source:</b> Project Plans.</p>				
8.d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?				X
<p><b>Discussion:</b> The project site is not listed on a hazardous materials site list.</p> <p><b>Source:</b> California Department of Toxic Substances Control, Hazardous Waste and Substances Site List, URL (2017).</p>				

8.e. For a project located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, result in a safety hazard for people residing or working in the project area?				X
<p><b>Discussion:</b> The project is not located within an airport land use plan or within 2 miles of a public airport.</p> <p><b>Source:</b> Project Location.</p>				
8.f. For a project within the vicinity of a private airstrip, result in a safety hazard for people residing or working in the project area?				X
<p><b>Discussion:</b> The project is not located within the vicinity of any known private airstrip.</p> <p><b>Source:</b> Project Location.</p>				
8.g. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				X
<p><b>Discussion:</b> The project will be located on a privately-owned parcel where all improvements will be located within the parcel boundaries. A new driveway off of Bear Gulch Road will be constructed to serve the project; however, will be required to comply with any applicable driveway standards set forth by the Department of Public Works and Fire Department to ensure it will not interfere with emergency response services in the area.</p> <p><b>Source:</b> Project Plans.</p>				
8.h. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?			X	
<p><b>Discussion:</b> The project site is located within a Very High Fire Hazard Severity Zone, State Responsibility Area. The project was reviewed by the Woodside Fire Protection District and received conditional approval subject to compliance with Chapter 7A of the California Building Code for ignition resistant construction and materials and acceptable slope and material for the driveway, among other fire prevention requirements. No further mitigation, beyond compliance with the standards and requirements of the Woodside Fire Protection District, are necessary.</p> <p><b>Source:</b> Cal-Fire, Fire Hazard Severity Zones Maps; Woodside Fire Protection District.</p>				

8.i. Place housing within an existing 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?				X
<p><b>Discussion:</b> The project parcel is not located within a 100-year flood hazard area.</p> <p><b>Source:</b> Federal Emergency Management Agency, Flood Insurance Rate Map, Community Panel 06081C0295E, effective October 16, 2012.</p>				
8.j. Place within an existing 100-year flood hazard area structures that would impede or redirect flood flows?				X
<p><b>Discussion:</b> See staff's discussion in Section 8.i. above.</p> <p><b>Source:</b> See source reference in Section 8.i. above.</p>				
8.k. Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?				X
<p><b>Discussion:</b> The project parcel is not located in an area that would be impacted by the failure of a dam or levee as the project site is located in the upper hills between Skyline Boulevard (State Route 35) and Woodside Road (State Route 84), at a higher elevation than any levee or dam in San Mateo County. Furthermore, the project parcel is not within a dam failure inundation area per the San Mateo County General Plan Hazards Map.</p> <p><b>Source:</b> Project Location; San Mateo County General Plan, Hazards Map.</p>				
8.l. Inundation by seiche, tsunami, or mudflow?				X
<p><b>Discussion:</b> According to the San Mateo County General Plan Hazards Map, the project parcel is not located in a tsunami or seiche inundation area. Furthermore, the project parcel is not located in an area of high landslide susceptibility.</p> <p><b>Source:</b> San Mateo County General Plan, Hazards Map.</p>				

9. HYDROLOGY AND WATER QUALITY. Would the project:				
	Potentially Significant Impacts	Significant Unless Mitigated	Less Than Significant Impact	No Impact
9.a. Violate any water quality standards or waste discharge requirements (consider water quality parameters such as temperature, dissolved oxygen, turbidity and other typical stormwater pollutants (e.g., heavy metals, pathogens, petroleum derivatives, synthetic organics, sediment, nutrients, oxygen-demanding substances, and trash))?		X		
<p><b>Discussion:</b> The project has the potential to generate polluted stormwater runoff during site grading and construction-related activities. However, these impacts would be reduced to a less than significant level with the implementation of <b>Mitigation Measures 8 – 10</b>.</p> <p>The permanent project will be required to comply with the County's Drainage Policy requiring post-construction stormwater flows to be at, or below, pre-construction flow rates. Additionally, the project must include Low Impact Development (LID) site design measures in compliance with Provision C.3.i. of the County's Municipal Regional Stormwater Permit as the project is a standalone residence that would introduce 16,289 sq. ft. of new impervious surface. These guiding standards will ensure that post-construction water runoff does not violate any water quality standard as the project proposes to direct roof, driveway, and patio runoff to vegetated areas. Furthermore, the proposed septic system has been preliminarily reviewed and conditionally approved by the County Environmental Health Division.</p> <p><b>Source:</b> Project Plans; County of San Mateo Drainage Policy; County of San Mateo Environmental Health Division.</p>				
9.b. Significantly deplete groundwater supplies or interfere significantly with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?				X
<p><b>Discussion:</b> The project is not expected to deplete any groundwater supplies or interfere with groundwater recharge. Water service for the project will be served by California Water Service Company. Furthermore, the geotechnical investigation included soil borings to depths of 7.5-feet, to accommodate construction, without encountering groundwater.</p> <p><b>Source:</b> Project Plans; Geotechnical Study prepared by Sigma Prime Geosciences, Inc.</p>				

9.c. Significantly alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner that would result in significant erosion or siltation on- or off-site?			X	
<p><b>Discussion:</b> The project does not involve the alteration of the course of a stream or river. Existing drainage patterns, consisting of sheet flow, will be altered by proposed grading and development of the property. An erosion and sediment control plan has been prepared by Sigma Prime Geosciences, Inc. to reduce stormwater related erosion and sediment from the project site during construction. Additionally, the project has been preliminarily reviewed by the Department of Public Works for drainage compliance and conditionally approved. Furthermore, see staff's discussion in Section 9.a. above.</p> <p><b>Source:</b> Project Plans; County of San Mateo Department of Public Works.</p>				
9.d. Significantly alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or significantly increase the rate or amount of surface runoff in a manner that would result in flooding on- or off-site?			X	
<p><b>Discussion:</b> The project will introduce a significant amount of new impervious surface to the site, however, required compliance with the County's Drainage Policy and Provision C.3.i. of the County's Municipal Regional Stormwater Permit will ensure that any increased runoff is captured and released through appropriate measures (i.e., dry wells, vegetation). Furthermore, see staff's discussion in Section 9.a. and 9.c. above.</p> <p><b>Source:</b> Project Plans.</p>				
9.e. Create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide significant additional sources of polluted runoff?			X	
<p><b>Discussion:</b> There are no existing or planned public stormwater drainage systems in the Bear Gulch Road community. The project will result in new impervious surface and associated run-off. However, the project is required to comply with the County's Drainage Policy to balance pre-and-post construction flows, and Provision C.3.i. of the County's Municipal Regional Stormwater Permit for LID site design measures. Compliance with these standards will prevent impacts to drainage systems and minimize additional sources of polluted runoff.</p> <p><b>Source:</b> Project Plans.</p>				
9.f. Significantly degrade surface or ground-water quality?		X		
<p><b>Discussion:</b> The project is required to comply with the County's Drainage Policy and Provision C.3.i. of the Municipal Regional Permit which will prevent significant degradation of surface water</p>				

quality after construction. **Mitigation Measures 8 - 10** will reduce construction-related stormwater impacts to a less than significant level. Furthermore, the project will be served by California Water Service Company, and therefore, not require the drilling of a well.

**Source:** Project Plans.

9.g. Result in increased impervious surfaces and associated increased runoff?		X		
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**Discussion:** The project will result in increased impervious surfaces and associated increased runoff. The implementation of **Mitigation Measures 8 - 10** will reduce project related impacts to a less than significant level.

**Source:** Project Plans.

**10. LAND USE AND PLANNING.** Would the project:

	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
10.a. Physically divide an established community?				X

**Discussion:** The project does not involve a land division or development that would result in the division of an established community. The project proposes a new single-family residence on a 5-acre parcel located in a rural area of the County that will be among other single-family developments on similarly sized rural parcels.

**Source:** Project Plans; Project Location.

10.b. Conflict with any applicable land use plan, policy or regulation of an agency with jurisdiction over the project (including, but not limited to, the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?			X	
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**Discussion:** The project includes a new attached 2<sup>nd</sup> dwelling unit that will be 2 stories and 1,500 sq. ft. in size. Based on the County's recently updated 2<sup>nd</sup> Unit Regulations<sup>4</sup>, the maximum size of a 2<sup>nd</sup> unit for the subject property is 1,200 sq. ft. Therefore, the applicant is seeking a Use Permit pursuant to Section 6431 of the County Zoning Regulations, to exceed the maximum size limit by 300 sq. ft. There is no lot coverage or floor area maximum for development in the Resource Management (RM) District. Furthermore, given the location, topography, and distance from neighboring residences, the project is not expected to generate any increased adverse impact that is not already generated and mitigated for by the residence. Additionally, Environmental Health's

<sup>4</sup> At the time of project application on March 16, 2016, the County's 2<sup>nd</sup> Unit Ordinance allowed a maximum size of 1,500 sq. ft. Since the County's update to the 2<sup>nd</sup> Unit Regulations, on January 10, 2017 and effective February 10, 2017, the maximum allowed size decreased to 1,200 sq. ft.

preliminary review and conditional approval of the proposed septic system included consideration of the proposed 2 <sup>nd</sup> unit. <b>Source:</b> Project Plans; County of San Mateo Zoning Ordinance.					
10.c.	Conflict with any applicable habitat conservation plan or natural community conservation plan?				X
<b>Discussion:</b> See staff's discussion in Section 4.f. above. <b>Source:</b> See referenced sources in Section 4.f. above.					
10.d.	Result in the congregating of more than 50 people on a regular basis?				X
<b>Discussion:</b> The project does not propose a use that would result in the congregation of more than 50 people on a regular basis. <b>Source:</b> Project Plans.					
10.e.	Result in the introduction of activities not currently found within the community?				X
<b>Discussion:</b> The project will not introduce a use that is not currently found in the area. The project proposes single-family residential use, which is found throughout the immediate rural area. <b>Source:</b> Project Plans; Site Visit 2017.					
10.f.	Serve to encourage off-site development of presently undeveloped areas or increase development intensity of already developed areas (examples include the introduction of new or expanded public utilities, new industry, commercial facilities or recreation activities)?				X
<b>Discussion:</b> The project consists of developing a single-family residence where improvements will be completely within the parcel boundaries of the privately-owned parcel. The adjacent parcels are already developed with single-family residences. Therefore, the project will not serve to encourage off-site development of undeveloped areas or increase the development intensity of surrounding developed areas. <b>Source:</b> Project Plans.					
10.g.	Create a significant new demand for housing?				X
<b>Discussion:</b> The project does not involve a land use that will create a significant new demand for housing as the project consists of the development of a new single-family residence on a privately-owned parcel. <b>Source:</b> Project Plans.					

<b>11. MINERAL RESOURCES.</b> Would the project:				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
11.a. Result in the loss of availability of a known mineral resource that would be of value to the region or the residents of the State?				X
<p><b>Discussion:</b> The project parcel does not contain any known mineral resources, according to the Mineral Resources Map of the County's General Plan.</p> <p><b>Source:</b> San Mateo County General Plan, Mineral Resources Map.</p>				
11.b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?				X
<p><b>Discussion:</b> See staff's discussion in Section 11.a. above.</p> <p><b>Source:</b> San Mateo County General Plan, Mineral Resources Map.</p>				

<b>12. NOISE.</b> Would the project result in:				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
12.a. Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			X	
<p><b>Discussion:</b> The project will generate short term noise associated with grading and construction activities. However, such noises will be temporary, where volume and hours are regulated by Section 4.88.360 (Exemptions) of the County Ordinance Code for Noise Control. Otherwise, any increased long-term project related noise impacts will be minimal as it would be limited to noise associated with a single-family use. Furthermore, the proposed development is oriented such that exterior activities associated with the residence (i.e. driveway/garage, patio/pool) will be insulated from neighboring residences by the proposed buildings.</p> <p><b>Source:</b> Project Plans; County Ordinance Code, Section 4.88.360 for Noise Control.</p>				

12.b. Exposure of persons to or generation of excessive ground-borne vibration or ground-borne noise levels?			X	
<p><b>Discussion:</b> See staff's discussion in Section 12.a. above.</p> <p><b>Source:</b> Project Plans; County Ordinance Code, Section 4.88.360 for Noise Control.</p>				
12.c. A significant permanent increase in ambient noise levels in the project vicinity above levels existing without the project?			X	
<p><b>Discussion:</b> The project does not involve a significant permanent increase in ambient noise levels in the project vicinity, as the project will only result in noise associated with a single-family residential use. See staff's discussion in Section 12.a. above.</p> <p><b>Source:</b> Project Plans.</p>				
12.d. A significant temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?			X	
<p><b>Discussion:</b> See staff's discussion in Section 12.a. above.</p> <p><b>Source:</b> Project Plans; County Ordinance Code, Section 4.88.360 for Noise Control.</p>				
12.e. For a project located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, exposure to people residing or working in the project area to excessive noise levels?				X
<p><b>Discussion:</b> The project is not located within an area regulated by an airport land use plan or within 2 miles of a public airport.</p> <p><b>Source:</b> Project Location.</p>				
12.f. For a project within the vicinity of a private airstrip, exposure to people residing or working in the project area to excessive noise levels?				X
<p><b>Discussion:</b> The project is not located within the vicinity of any known private airstrip.</p> <p><b>Source:</b> Project Location.</p>				

<b>13. POPULATION AND HOUSING.</b> Would the project:				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
13.a. Induce significant population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?				X
<p><b>Discussion:</b> All improvements associated with the proposed project are completely within the subject parcel's boundaries and are only sufficient to serve the proposed single-family residence.</p> <p><b>Source:</b> Project Plans.</p>				
13.b. Displace existing housing ( <b>including low- or moderate-income housing</b> ), in an area that is substantially deficient in housing, necessitating the construction of replacement housing elsewhere?				X
<p><b>Discussion:</b> The project does not propose to displace existing housing as the project consists of a new single-family residence on an undeveloped parcel.</p> <p><b>Source:</b> Project Plans.</p>				

<b>14. PUBLIC SERVICES.</b> Would the project result in significant adverse physical impacts associated with the provision of new or physically altered government facilities, the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
14.a. Fire protection?				X
14.b. Police protection?				X
14.c. Schools?				X
14.d. Parks?				X
14.e. Other public facilities or utilities (e.g., hospitals, or electrical/natural gas supply systems)?				X

**Discussion:** The project is limited to a new single-family residential use and therefore, will not involve new or physically altered government facilities or increase the need for new or physically altered government facilities. Additionally, the project will not affect service ratios, response times or other performance objectives for any of the public services in the area.

**Source:** Project Plans.

15. RECREATION. Would the project:				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
15.a. Increase the use of existing neighborhood or regional parks or other recreational facilities such that significant physical deterioration of the facility would occur or be accelerated?			X	
<p><b>Discussion:</b> The project will not increase use of existing neighborhood or regional parks or other recreational facilities such that significant physical deterioration of the facility will occur or be accelerated. The project will result in the addition of a new single-family residence to the rural area whose residents may use the numerous regional parks and trails in the rural Skyline area; however, any such use will be a minimal increase.</p> <p><b>Source:</b> Project Plans.</p>				
15.b. Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?				X
<p><b>Discussion:</b> The project does not include any recreational facilities as proposed development is limited to single-family residential use.</p> <p><b>Source:</b> Project Plans.</p>				

16. TRANSPORTATION/TRAFFIC. Would the project:				
	Potentially Significant Impacts	Significant Unless Mitigated	Less Than Significant Impact	No Impact
16.a. Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including, but not limited to, intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?				X
<p><b>Discussion:</b> Proposed project improvements include the construction of a new private driveway from an existing private access easement off of Bear Gulch Road to serve the proposed single-family residence. The private access easement consists of an existing paved driveway to the adjacent residence at 1040 Bear Gulch Road. Furthermore, Bear Gulch Road is a privately maintained rural paved roadway serving numerous parcels in the unincorporated area of Woodside and is accessible from gated access off of Woodside Road (State Route 84). The project has been reviewed and conditionally approved by the Woodside Fire Protection District for emergency access to the proposed development. Additionally, traffic generated from a single-family residence is minimal. Therefore, the project is not expected to conflict with any plan, ordinance, or policy establishing measures of effectiveness for the performance of the circulation system.</p> <p><b>Source:</b> Project Location.</p>				
16.b. Conflict with an applicable congestion management program, including, but not limited to, level of service standards and travel demand measures, or other standards established by the County congestion management agency for designated roads or highways?				X
<p><b>Discussion:</b> See staff's discussion in Section 16.a. above.</p> <p><b>Source:</b> Project Location.</p>				
16.c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in significant safety risks?				X
<p><b>Discussion:</b> The project does not propose to increase air traffic levels or generate any change in air traffic patterns.</p> <p><b>Source:</b> Project Plans; Project Location.</p>				

16.d. Significantly increase hazards to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?				X
<p><b>Discussion:</b> The project proposes to construct a new driveway off of an existing private driveway (via an existing access easement) which serves the adjacent residence at 1040 Bear Gulch Road. The existing paved driveway connects to Bear Gulch Road, a privately maintained paved roadway, which connects to Woodside Road/State Route 84. Therefore, the project only proposes to construct a new private driveway off of an existing private driveway.</p> <p><b>Source:</b> Project Plans.</p>				
16.e. Result in inadequate emergency access?				X
<p><b>Discussion:</b> The project has been reviewed and conditionally approved by Woodside Fire Protection District for adequate emergency access in compliance with all applicable codes and regulations. The project includes an emergency fire turnaround which will be located on the project parcel.</p> <p><b>Source:</b> Project Plans; Woodside Fire Protection District.</p>				
16.f. Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?				X
<p><b>Discussion:</b> The project involves the development of a single-family residence on private property and does not require any new, or impact any existing, public transit, bicycle, or pedestrian facilities.</p> <p><b>Source:</b> Project Plans.</p>				
16.g. Cause noticeable increase in pedestrian traffic or a change in pedestrian patterns?				X
<p><b>Discussion:</b> The development of a private property for single-family residential use in a rural residential area is not expected to generate a noticeable increase in pedestrian traffic or a change in pedestrian patterns. Also, see staff's discussion in Section 15.a. above.</p> <p><b>Source:</b> Project Plans.</p>				
16.h. Result in inadequate parking capacity?				X
<p><b>Discussion:</b> The project involves the construction of a 3-car garage, where 2 covered parking spaces is required pursuant to Section 6119 of the County's Zoning Regulations.</p> <p><b>Source:</b> Project Plans; County of San Mateo Zoning Regulations</p>				

17. UTILITIES AND SERVICE SYSTEMS. Would the project:				
	Potentially Significant Impacts	Significant Unless Mitigated	Less Than Significant Impact	No Impact
17.a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?				X
<p><b>Discussion:</b> The project includes the installation of a private, on-site septic system to serve the proposed residential development.</p> <p><b>Source:</b> Project Plans.</p>				
17.b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?				X
<p><b>Discussion:</b> The project will be served by the California Water Service Company, which has provided conditional approval of the proposed project. Additionally, the project will include the installation of a new private septic system. No new or expanded water or wastewater treatment facilities are necessary to serve the proposed project.</p> <p><b>Source:</b> Project Plans.</p>				
17.c. Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?			X	
<p><b>Discussion:</b> There are no public stormwater drainage facilities in the Bear Gulch Road community. The project includes the installation of a series of dry wells on private property to comply with the County's Drainage Policy, none of which are expected to cause a significant adverse environmental impact to the area.</p> <p><b>Source:</b> Project Plans.</p>				
17.d. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?			X	
<p><b>Discussion:</b> The project will be served by the California Water Service Company, which has sufficient water supply for the proposed development. The California Water Service Company has provided conditional approval of the project. The applicant will be required to submit all necessary applications and fees to the District for connection to their water system.</p> <p><b>Source:</b> Project Plans; California Water Service Company.</p>				

17.e. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?				X
<p><b>Discussion:</b> The project involves the installation of a private septic system to serve the proposed development. The County Environmental Health Division has reviewed and conditionally approved the preliminary septic design plans.</p> <p><b>Source:</b> Project Plans; San Mateo County Environmental Health Division.</p>				
17.f. Be served by a landfill with insufficient permitted capacity to accommodate the project's solid waste disposal needs?				X
<p><b>Discussion:</b> Similar to neighboring properties, the proposed development will receive municipal trash pick-up service by Greenwaste. The single-family residence is expected to generate a minimal increase in waste. Furthermore, there is no indication that the landfill utilized has insufficient capacity.</p> <p><b>Source:</b> Confirmation from Greenwaste (2017).</p>				
17.g. Comply with Federal, State, and local statutes and regulations related to solid waste?				X
<p><b>Discussion:</b> Waste generated by single-family residential use is expected to be minimal. The project site will receive solid waste service by Greenwaste. Therefore, it is not expected that the use will result in waste production that would result in compliance issues with any Federal, State, or local statutes or regulations.</p> <p><b>Source:</b> Project Plans.</p>				
17.h. Be sited, oriented, and/or designed to minimize energy consumption, including transportation energy; incorporate water conservation and solid waste reduction measures; and incorporate solar or other alternative energy sources?				X
<p><b>Discussion:</b> The proposed residential development will be required to comply with all currently adopted building, electrical, plumbing, and mechanical codes.</p> <p><b>Source:</b> Project Plans.</p>				
17.i. Generate any demands that will cause a public facility or utility to reach or exceed its capacity?				X

**Discussion:** The project will not generate any demands that would exceed the capacity of any public facility or utility. See staff's discussion in Section 17.a. through 17.h. above.

**Source:** Project Plans.

**18. MANDATORY FINDINGS OF SIGNIFICANCE.**

	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
18.a. Does the project have the potential to degrade the quality of the environment, significantly reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?				X

**Discussion:** According to review of the California Natural Diversity Database (CNDDDB), there are no special-status plant or animal species identified on the project site or within the immediate vicinity of the project site. The nearest mapped sensitive habitat identified on the County's General Plan Sensitive Habitats Map is riparian habitat along Alambique Creek, which runs along a canyon south of Bear Gulch Road. Since the project site is located uphill, on the north side of Bear Gulch Road, the project would not have any impacts on this mapped riparian habitat. No other water bodies are located in the near vicinity of the project site, therefore, the project will not cause any adverse impact to a fish habitat.

**Source:** California Natural Diversity Database; San Mateo County General Plan, Sensitive Habitats Map; Project Plans; Project Location.

18.b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)				X
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**Discussion:** A majority of the parcels along Bear Gulch Road are already developed with single-family residences. It is not likely that the incremental effects of this project are considerable when viewed in conjunction with the effects of past, current, and probably future private or public projects in this area. The project site is located in a rural area where the rate and intensity of development is low. While the project will potentially result in site specific impacts as discussed in this document, incorporation of the recommended mitigation measures will reduce these impacts to a less than

significant level. No other new residential development is proposed in the area. Any future project will be subject to review under the California Environmental Quality Act.

**Source:** Subject Document; Project Plans.

18.c. Does the project have environmental effects which will cause significant adverse effects on human beings, either directly or indirectly?		X		
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**Discussion:** The project could result in environmental impacts that could both directly and indirectly cause impacts on human beings, including the introduction of new sources of light and glare, temporary air quality impacts from construction-related emissions, and temporary greenhouse gas emissions from construction-related activities; see Sections 1, 3, and 7. However, the implementation of the recommended mitigation measures included in this document, and mitigation measures proposed in the project plans, will adequately reduce any potential impacts to a less than significant level.

**Source:** Subject Document; Project Plans.

**RESPONSIBLE AGENCIES.** Check what agency has permit authority or other approval for the project.

AGENCY	YES	NO	TYPE OF APPROVAL
U.S. Army Corps of Engineers (CE)		X	
State Water Resources Control Board		X	
Regional Water Quality Control Board		X	
State Department of Public Health		X	
San Francisco Bay Conservation and Development Commission (BCDC)		X	
U.S. Environmental Protection Agency (EPA)		X	
County Airport Land Use Commission (ALUC)		X	
CalTrans		X	
Bay Area Air Quality Management District		X	
U.S. Fish and Wildlife Service		X	
Coastal Commission		X	
City		X	
Sewer/Water District		X	
Other:		X	

<b><u>MITIGATION MEASURES</u></b>		
	<u>Yes</u>	<u>No</u>
Mitigation measures have been proposed in project application.	X	
Other mitigation measures are needed.	X	
<p>The following measures are included in the project plans or proposals pursuant to Section 15070(b)(1) of the State CEQA Guidelines:</p> <p><b><u>Mitigation Measure 1:</u></b> All proposed lighting (interior and exterior) shall be designed and located so as to confine direct rays to the subject property and prevent glare in the surrounding area. Manufacturer cut sheets for any exterior light fixtures shall be submitted for review and approval prior to the issuance of a building permit. All exterior fixtures shall be rated dark-sky compliant and designed to minimize light pollution beyond the confines of the subject premises.</p> <p><b><u>Mitigation Measure 2:</u></b> Final finishes of all exterior materials and/or colors, including glass windows and/or panels, shall be non-reflective.</p> <p><b><u>Mitigation Measure 3:</u></b> The applicant shall submit an Air Quality Best Management Practices Plan to the Planning and Building Department prior to the issuance of any grading "hard card" or building permit that, at a minimum, includes the "Basic Construction Mitigation Measures" as listed in Table 8-1 of the BAAQMD CEQA Guidelines (May 2011). These measures shall be implemented prior to beginning any grading and/or construction activities and shall be maintained for the duration of the project grading and/or construction activities:</p> <ol style="list-style-type: none"> <li>a. All exposed surfaces (e.g. parking areas, staging areas, soil piles, graded areas, and unpaved access road) shall be watered two times per day.</li> <li>b. All haul trucks transporting soil, sand, or other loose material off-site shall be covered.</li> <li>c. All visible mud or dirt track-out onto adjacent paved roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.</li> <li>d. All vehicle speeds on unpaved roads shall be limited to 15 mph.</li> <li>e. Roadways and building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.</li> <li>f. Idling times shall be minimized either by shutting equipment or vehicles off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.</li> <li>g. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications.</li> <li>h. Minimize the idling time of diesel powered construction equipment to two minutes.</li> </ol> <p><b><u>Mitigation Measure 4:</u></b> All regulated trees proposed for removal shall be replaced at a 1:1 ratio, minimum 15-gallon size stock. All proposed replacement trees shall be shown on a Tree Replanting Plan or Landscape Plan and shall include species, size and location. The Plan shall be submitted to the County Planning and Building Department for review and approval as part of the building permit plan sets.</p> <p><b><u>Mitigation Measure 5:</u></b> In the event that archaeological resources are inadvertently discovered during construction, work in the immediate vicinity (within 25 feet) of the find must stop until a qualified archaeologist can evaluate the significance of the find. Construction activities may</p>		

continue in other areas beyond the 25-foot stop work area. A qualified archaeologist is defined as someone who meets the Secretary of the Interior's Professional Qualifications Standards in archaeology. The Current Planning Section shall be notified of such findings, and no additional work shall be done in the stop work area until the archaeologist has recommended appropriate measures, and those measures have been approved by the Current Planning Section and implemented.

**Mitigation Measure 6:** In the event that paleontological resources are inadvertently discovered during construction, work in the immediate vicinity (within 25 feet) of the find must stop until a qualified paleontologist can evaluate the significance of the find. The Current Planning Section shall be notified of such findings, and no additional work shall be done in the stop work area until the paleontologist has recommended appropriate measures, and those measures have been approved by the Current Planning Section and implemented.

**Mitigation Measure 7:** Should any human remains be discovered during construction, all ground disturbing work shall cease and the County Coroner be immediately notified, pursuant to Section 7050.5 of the State of California Health and Safety Code. Work must stop until the County Coroner can make a determination of origin and disposition of the remains pursuant to California Public Resources Code Section 5097.98. If the County Coroner determines the remains to be Native American, the Native American Heritage Commission shall be contacted within 24 hours. A qualified archaeologist, in consultation with the Native American Heritage Commission, shall recommend subsequent measures for disposition of the remains.

**Mitigation Measure 8:** The applicant shall submit an erosion control plan in compliance with the County's General Erosion and Sediment Control Plan Guidelines Checklist for review and approval as part of the building permit plans submittal.

**Mitigation Measure 9:** No grading shall be allowed during the wet weather season (October 1 through April 30) to avoid increased potential soil erosion, unless the applicant applies for an Exception to the Winter Grading Moratorium and the Community Development Director grants the exception. Exceptions will only be granted if dry weather is forecasted during scheduled grading operations, and the erosion control plan includes adequate winterization measures (amongst other determining factors).

**Mitigation Measure 10:** An Erosion Control and Tree Protection Pre-Site Inspection shall be conducted prior to the issuance of a grading permit "hard card" and building permit to ensure the approved erosion control and tree protection measures are installed adequately prior to the start of ground disturbing activities.

**DETERMINATION** (to be completed by the Lead Agency).

On the basis of this initial evaluation:

I find the proposed project **COULD NOT** have a significant effect on the environment, and a **NEGATIVE DECLARATION** will be prepared by the Planning Department.

X  
I find that although the proposed project could have a significant effect on the environment, there **WILL NOT** be a significant effect in this case because of the mitigation measures in the discussion have been included as part of the proposed project. A **NEGATIVE DECLARATION** will be prepared.

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

Shuman Beniston  
(Signature)

3/20/2017

Date

Planner III / Project Planner  
(Title)

**ATTACHMENTS:**

- A. Vicinity Map
- B. Site Plan
- C. Floor Plans
- D. Roof Plan
- E. Exterior Elevations
- F. Material Board
- G. Building Sections
- H. Grading and Drainage Plan
- I. Erosion Control Plan
- J. Tree Removal Plan
- K. Survey
- L. Landscape Plans

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