

ADDITION & REMODELING OF THE HOUSE
446 SAN BENITO AVE, LOS GATOS, CA 95030
APN - 410-16-051

OWNER :-
RAJ KUMARI
& DEVENDRA

DESIGNER :-
UNICORN STRUCTURES
PRINCIPAL
DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070
PH. NO. [REDACTED]
EMAIL [REDACTED]



REVISIONS

NUMBER	DATE	DESCRIPTION

PROJECT :-
(ADDITION &
REMODELING OF
EXISTING HOUSE)
**446 SAN BENITO
AVE, LOS GATOS,
CA 95030**

SHEET TITLE:-
**COVER
SHEET**

DATE
03/03/2025

SCALE
NTS

SHEET
A0

SCOPE OF WORK

1. ADDITION ON LEFT AND REAR SIDE OF THE HOUSE.
2. REMODELING OF THE HOUSE
3. UPGRADE ELECTRIC SERVICE / PANEL TO 200 AMPS

DRAWING INDEX

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A1.2 - PROPOSED SITE PLAN
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CBMP - CONSTRUCTION BEST MANAGEMENT PRACTICES
CB - CLEAN BAY BLUE PRINT
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S3 - TYPICAL FRAMING DETAILS 1
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S6 - PROPOSED ROOFING AND CEILING FRAMING DETAILS
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C1.4 - EROSION CONTROL PLAN
C1.5 - PROPOSED SITE SECTIONS

PROJECT DATA

LOT AREA = 7,200 SQ FT (0.1653 ACRES)				
FAR ALLOWED = $0.35 - \left(\frac{50}{200}\right) \times 0.20 = 0.35 - \left(\frac{0.25}{2}\right) \times 0.20 = 0.33$				
FLOOR AREA ALLOWED = $0.33 \times 7200 = 2376$ SQ FT				
GARAGE FAR ALLOWED = $0.10 - \left(\frac{50}{200}\right) \times 0.07 = 0.10 - \left(\frac{0.25}{2}\right) \times 0.07 = 0.094$				
GARAGE FLOOR AREA ALLOWED = $0.094 \times 7200 = 677$ SQ FT				
MAX LOT COVERAGE - 40% (7200 SQ FT) = 2880 SQ FT				
	EXISTING	PROPOSED	ADDITION / REDUCTION	
a. LIVING AREA				
FIRST FLOOR	845' SQ FT	1151 SQ FT	+ 306 SQ FT	
SECOND FLOOR	0 SQ FT	1224 SQ FT	+1224 SQ FT	
b. GARAGE	240 SQ FT	626 SQ FT	+386 SQ FT	
c. FRONT PORCH	111 SQ FT	322 SQ FT	+211 SQ FT	
d. REAR DECK (1ST FLOOR)	0 SQ FT	316 SQ FT	+316 SQ FT	
e. REAR DECK (2ND FLOOR)	0 SQ FT	203 SQ FT	+203 SQ FT	
TOTAL FLOOR AREA	845 SQ FT	2375 SQ FT	+ 1530 SQ FT	
	(PERMITTED)	+ 2376 SQ FT (100%)		
TOTAL LOT COVERAGE	956 SQ FT	2415 SQ FT	+ 1459 SQ FT (40%)	
		+ 2880 SQ FT (40%)		
(* 60 SQ FT OF EXISTING LIVING SPACE IS CONVERTED INTO THE GARAGE SPACE. THIS FOR ENERGY REPORT EXISTING LIVING AREA IS TAKEN 760 SQ FT. ADDITION AREA AS 366 SQ FT)				

PROJECT INFORMATION

APN	-	410-16-051
ZONING	-	RM-512
EXISTING PROPOSED		
BEDROOMS	-	2 4
BATHROOMS	-	1 4
GARAGE	-	1 CAR 2 CAR
CONSTRUCTION TYPE	-	V-B (NON-SPRINKLERED)
OCCUPANCY	-	R3U SINGLE FAMILY RESIDENTIAL WITH ATTACHED GARAGE
STORIES	-	2

APPLICABLE CODES

2022 CALIFORNIA BUILDING CODE
2022 CALIFORNIA RESIDENTIAL CODE
2022 CALIFORNIA ELECTRICAL CODE
2022 CALIFORNIA MECHANICAL CODE
2022 CALIFORNIA PLUMBING CODE
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
2022 CALIFORNIA FIRE CODE
2022 CALIFORNIA ENERGY CODE
ALL APPLICABLE LOCAL, COUNTY & FEDERAL CODES, LAWS AND REGULATIONS

GENERAL NOTES

- ALL CONSTRUCTION SHALL COMPLY WITH ADOPTED ORDINANCES AND POLICIES OF THE GOVERNING AGENCY AND THE LATEST ADOPTED ADDITIONS OF THE FOLLOWING 2022 CALIFORNIA RESIDENTIAL AND BUILDING CODE (CBC, CRC), CALIFORNIA ELECTRICAL CODE 2022, CALIFORNIA ENERGY CODE 2022, AND 2022 CALIFORNIA GREEN BUILDING CODE.
- THE CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY EXISTING CONDITIONS AND PROGRESSES OF THE WORK ALL THE REASONABLE SAFEGUARDS FOR SAFETY AND PROTECTION INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS, PROMULGATING SAFETY REGULATIONS AND NOTIFYING OWNERS AND USERS OF ADJACENT UTILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS, GRADES AND OTHER CONDITIONS AND HE SHALL CORRELATE ALL SUCH ITEMS AT THE JOB SITE. HE SHALL REPORT ANY DISCREPANCIES TO THE DESIGNER FOR CLARIFICATION AND/OR CORRECTION PRIOR TO BEGINNING ANY WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORK AND COORDINATION OF ALL TRADES AND THE GOVERNING AGENCIES, AND SHALL PROVIDE ALL MATERIALS AND LABOUR SHOWN IN THESE PLANS TO RENDER THE JOB COMPLETE.

CHANGES TO THE PLAN DURING CONSTRUCTION OTHER THAN:

1. CABINET CHANGES WHEN NOT BEING SUPPORTED ENTIRELY BY ROOF STRUCTURE.
 2. INTERIOR DOOR AND ZERO CLARENCE FIREPLACE RELOCATION SHOWN ON THE APPROVE PLANS
 3. A SINGLE NON BEARING WALL RELOCATION WHEN NOT CREATING AN ADDITIONAL ROOM AND
 4. INTERIOR NON - STRUCTURAL WALL FINISHES.
- SHALL CAUSE PLANS APPROVAL AND CONSTRUCTION TO BE SUSPENDED, A NEW PLAN CHECK (FOR THE NEW PLAN CHANGES) WILL BE SUBMITTED FOR REVIEW AND APPROVAL THROUGH THE COMMON PLAN CHECK PROCESS.

CALGREEN NOTES:

PER CALIFORNIA CIVIL CODE ARTICLE 1101.4 AND CAL-GREEN SECTION 301.1 FOR ALL BUILDING ALTERATIONS OR IMPROVEMENTS TO A SINGLE FAMILY RESIDENTIAL PROPERTY , EXISTING PLUMBING FIXTURES IN THE ENTIRE HOUSE THAT DO NOT MEET COMPLAINT FLOW RATES WILL NEED TO BE UPGRADED. WATER CLOSETS WITH A FLOW RATE IN EXCESS OF 1.6gpi WILL NEED TO BE REPLACED WITH WATER CLOSETS WITH A MAXIMUM FLOW RATE OF 1.28 gpi. SHOWER HEADS WITH A FLOW GREATER THAN 2.5gpm WILL NEED TO BE REPLACED WITH A MAXIMUM 1.8 gpm @80 psi SHOWER HEAD. LAVATORY AND KITCHEN FAUCETS WITH A FLOW RATE GREATER THAN 2.2 gpm WILL NEED TO BE REPLACED WITH A FAUCET WITH MAXIMUM FLOW RATE OF 1.2 gpm @60 psi (OR 1.8 gpm @60 psi FOR KITCHEN FAUCETS)

VICINITY MAP



APN MAP



APPROVAL STAMP

- SYMBOLS**
- PROPERTY LINE
 - EXISTING WALL
 - EXISTING WALL TO BE REMOVED
 - NEW WALL
 - NEW ADDITION



EXISTING SITE PLAN
SCALE 1/8" = 1'-0"

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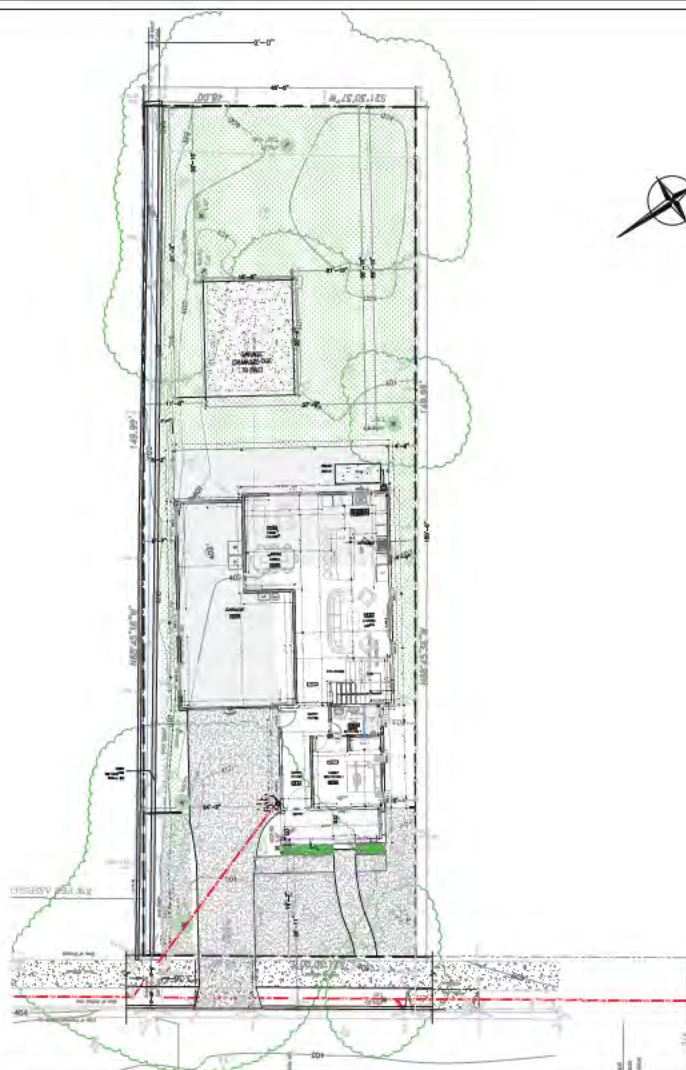
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1/8" = 1'-0"

SHEET
A1.1



SYMBOLS

- PROPERTY LINE
- EXISTING WALL
- EXISTING WALL TO BE REMOVED
- NEW WALL
- NEW ADDITION

NOTES

PROPERTY LINE DIMENSIONS ARE TAKEN FROM THE APT. MAP.

FIRE SAFETY NOTES

BUILDING ADDRESS IS TO BE PLAINLY LEGIBLE AND VISIBLE FROM THE PUBLIC STREET. THESE NUMBERS SHALL CONTRAST WITH THEIR BACKGROUND.

REFUGERANT SECTION LINE NOTES

DOOR/RY WITH DEC 100.3 REFUGERANT SECTION LINE LOCATED OUTSIDE SHALL HAVE FIRE INSULATION AND BE PROTECTED BY COVER WITH A RESISTANCE AND CLASS 1 OR 1 VAPOR RETARDER.

SEE DRAINAGE & GRADING NOTES

- SPLASH BLOCK TO BE PLACED BELOW EACH DOWN SPOUT.
- THE SITE SHOULD BE FINE GRADED TO PROVIDE MIN. 2% SLOPE AWAY FROM BUILDING PERIMETER & ADJACENT PROPERTY LINES. IN NO CASE SHALL THE FINISH GRADING RESULT IN AN INCREASE IN SHEET FLOW ONTO ADJACENT PROPERTIES.
- GRADED WATER FROM IMPERVIOUS SURFACES TO BE DIRECTED TO THE LANDSCAPED AREA AT A SLOPE OF 2%.

RESIDENTIAL LANDINGS & THRESHOLDS SECTIONS R311.3 & R311.3.4

R311.3 FLOORS AND LANDINGS AT EXTERIOR DOORS

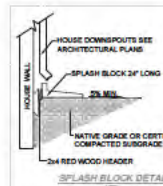
THESE SHALL BE A LANDING OR FLOOR ON EACH SIDE OF EACH EXTERIOR DOOR. THE LANDING SHALL NOT BE LESS THAN THE DOOR SERVED. EVERY EACH WIDTH OF LANDING SHALL HAVE A MINIMUM DIMENSION OF 36 INCHES MEASURED IN THE DIRECTION OF TRAVEL. EXTERIOR LANDING SHALL BE PERMITTED TO HAVE A SLOPE NOT TO EXCEED 1/4" UNIT VERTICAL IN 48 UNITS HORIZONTAL (0.50%).

R311.3.1 FLOOR ELEVATIONS AT REQUIRED EXTERIOR DOORS

LANDING OR FLOORS AT THE REQUIRED EXTERIOR DOORS SHALL NOT BE MORE THAN 1/4" INCH LOWER THAN THE TOP OF THE THRESHOLD. EXCEPT FOR THE EXTERIOR LANDING OR FLOOR SHALL NOT BE MORE THAN 1/4" INCHES BELOW THE TOP OF THE THRESHOLD PROVIDED THE DOOR DOES NOT SWING OVER THE LANDING OR FLOOR.

FIRE SAFETY NOTES

- Smoking shall be prohibited except in approved areas. Signs shall be posted in accordance with section 310.
- (a) Combustible debris, rubbish and waste material shall not be accumulated within buildings.
- (b) Combustible debris, rubbish and waste material shall be removed from building at the end of each work shift.
- (c) Where rubbish containers with capacity exceeding 5.33 cubic feet (40 gallons) (0.15m³) are used for temporary storage of combustible debris, rubbish and waste material, they shall have fire-retardant or self-closing lids. Such rubbish containers shall be constructed of materials that comply with either of the following:
 - Noncombustible materials.
 - Materials that meet a peak rate of heat release not exceeding 300kW/m² when tested in accordance with ASTM E 1354 at an incident heat flux of 250kW/m² in the horizontal orientation.
- (d) Materials susceptible to spontaneous ignition shall not be disposed of by burning on the site unless approved.
- (e) Combustible debris, rubbish and waste material shall not be disposed of by burning on the site unless approved.
- (f) Temporary wiring for electrical power and lighting installations used in connection with the construction, alteration or demolition of buildings, structures, equipment or similar activities shall comply with the California Electrical Code.
- (g) Storage of flammable and combustible liquids shall be in accordance with section 5704.
- (h) The storage, use and handling of flammable and combustible liquids at construction sites shall be in accordance with section 5705.2. Ventilation shall be provided for operations involving the application of materials containing flammable solvents.
- (i) Flammable and combustible liquid storage areas shall be maintained clear of combustible vegetation and waste materials. Such storage areas shall not be used for the storage of combustible materials.
- (j) Leaking vessels shall be immediately repaired or taken out of service and spills shall be cleaned up and disposed of properly.
- (k) Approved vehicle access for the lighting shall be provided to all construction or demolition sites. Vehicle access shall be provided to within 100 feet (30.48m) of temporary or permanent fire department connections. Vehicle access shall be provided by either temporary or permanent made available of supporting vehicle heading under all weather conditions. Vehicle access shall be maintained until permanent fire department connections are available.
- (l) Structures under construction, alteration or demolition shall be provided with not less than one approved portable fire extinguisher in accordance with section 908 and sized for not less than ordinary hazard as follows:
 - At each stairway, on all floor levels where combustible materials have accumulated.
 - In every storage and construction shed.
- (m) Additional portable fire extinguishers shall be provided where special hazards exist including but not limited to, the storage and use of flammable and combustible liquids.



NOTE: SPLASH BLOCKS TO BE INSTALLED AT ALL DOWNSPOUTS. TO ENSURE ROOF WATER IS DIRECTED AWAY FROM THE FOUNDATION. ANY EXISTING DOWNSPOUTS THAT CONNECT DIRECTLY TO THE STORM DRAIN SYSTEM SHALL BE DISCONNECTED AND DIRECTED TOWARDS LANDSCAPED AREAS.

PROPOSED SITE PLAN
SCALE 1/8" = 1'-0"

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SHEET
TITLE:-
PROPOSED
SITE PLAN

DATE
03/03/2025

SCALE
1/8"=1'-0"

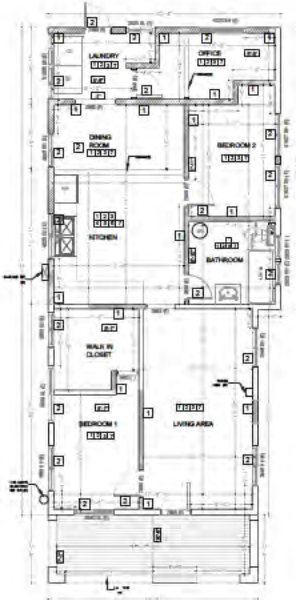
SHEET
A1.2

SYMBOLS

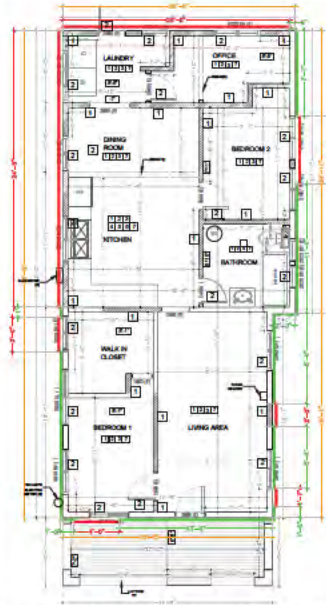
- EXISTING WALL
EXISTING WALL TO BE REMOVED
NEW WALL

LEGEND

- 1 EXISTING WALL TO BE REMOVED
2 EXISTING DOOR/WINDOW TO BE REMOVED
3 EXISTING LIGHT FIXTURES TO BE REMOVED
4 EXISTING PLUMBING FIXTURES TO BE REMOVED
5 EXISTING APPLIANCES TO BE REMOVED
6 EXISTING CABINETS TO BE REMOVED
7 EXISTING FLOORING TO BE REMOVED



EXISTING FIRST FLOOR PLAN
SCALE 1/4" = 1'-0"



TECHNICAL DEMOLITION DIAGRAM
SCALE 1/4" = 1'-0"

EXISTING WALLS	EXISTING AREA	DEMO AREA	TOTAL DEMO / ALTERED AREA	% TOTAL DEMO / ALTERED AREA	
FRONT WALL	132.59 SQ FT	16.33 SQ FT	16.33 SQ FT	12.31%	LESS THAN 35 %
LEFT WALL	347.88 SQ FT	206.36 SQ FT	206.36 SQ FT	59.34%	OK
RIGHT WALL	347.88 SQ FT	35.07 SQ FT	35.07 SQ FT	10.08%	
REAR WALL	168.70 SQ FT	161.06 SQ FT	161.06 SQ FT	97.56%	
TOTAL WALL	993.44 SQ FT	421.42 SQ FT	421.42 SQ FT	42.42%	LESS THAN 35 % OK

EXIST NG FOOTPRINT (LINER FEET)	WIDTH OF PRESERVED WALL FRAMING IN LINEAR FEET (INCLUDING NEW AND ENLARGED OPENINGS)	WIDTH OF DEMOLISHED WALL FRAMING IN LINEAR FEET (INCLUDING NEW AND ENLARGED OPENINGS)
TOTAL	127'	79'
FRONT WALL	18'-4"	13'-8"
		4'

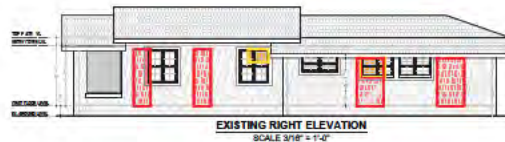
SINCE 79' IS GREATER THAN 57', THEN NO TECH DEMO
TOTAL DEMOLITION OF EXISTING EXTERIOR WALL IS LESS THAN 35% $\rightarrow \frac{79}{57} = 48.05\%$
TOTAL REMOVAL OF WALL AREA FACING PUBLIC STREET IS LESS THAN 25% $\rightarrow \frac{421.42}{1687.0} = 25.02\%$

- EXISTING WALL FRAMING
PRESERVED WALL FRAMING
DEMOLISHED WALL FRAMING

- DEMOLISHED WALL
REMODEL, NO WALL



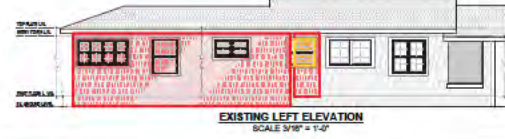
EXISTING FRONT ELEVATION
SCALE 3/16" = 1'-0"



EXISTING RIGHT ELEVATION
SCALE 3/16" = 1'-0"



EXISTING REAR ELEVATION
SCALE 3/16" = 1'-0"



EXISTING LEFT ELEVATION
SCALE 3/16" = 1'-0"

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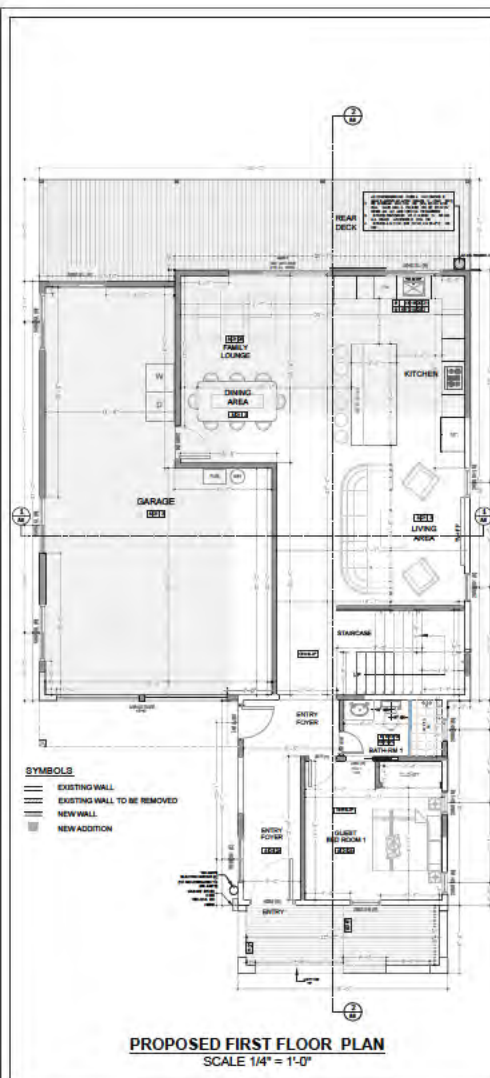
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CA 95030

SHEET TITLE:-
EXISTING
& TECHNICAL
DEMOLITION
FLOOR
PLAN

DATE
03/03/2025

SCALE
AS SHOWN IN PLAN

SHEET
A2



SYMBOLS

- EXISTING WALL
- EXISTING WALL TO BE REMOVED
- NEW WALL
- NEW ADDITION

REVISIONS

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446 SAN BENITO AVE, LOS GATOS, CA 95030

SHEET TITLE:
PROPOSED FLOOR PLANS

DATE
03/03/2025

SCALE
1/4" = 1'-0"

SHEET
A3

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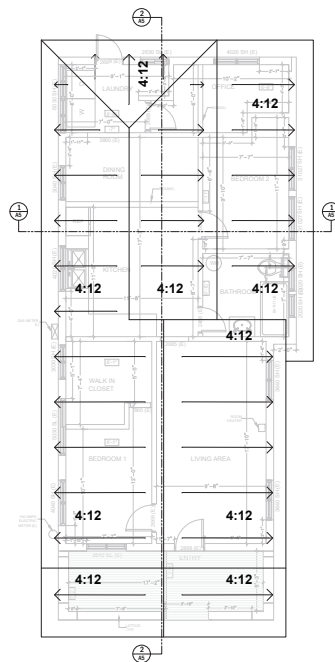
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1/4" = 1'-0"

SHEET
A3

[illegible]

EXISTING ROOF PLAN
SCALE 1/4" = 1'-0"

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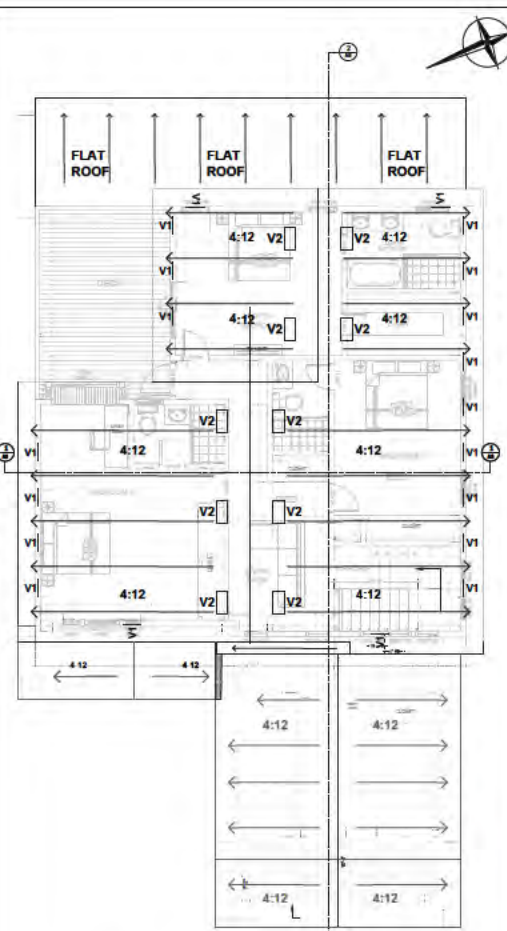
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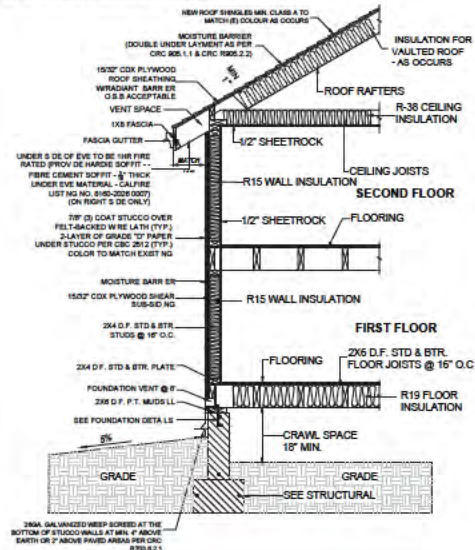
SCALE
1/4"=1'

SHEET
A4.1



PROPOSED ROOF PLAN
SCALE 1/4" = 1'-0"

ENERGY/ANALYSIS REPORT



FENESTRATION/GLAZING:
U-FACTOR ≤ 0.30
SHGC ≤ 0.23

REQUIRED SPECIAL FEATURES

- THE FOLLOWING ARE FEATURES THAT MUST BE INSTALLED AS A CONDITION FOR MEETING THE MODELLED ENERGY PERFORMANCE FOR THIS COMPUTER ANALYSIS:
- INDOOR AIR QUALITY, BALANCED FAN
 - IAQ VENTILATION SYSTEM AS LOW AS 0.027273 WCFM
 - IAQ VENTILATION SYSTEM HEAT RECOVERY, MINIMUM 58 DBE
 - AND 85 AIRE
 - IAQ VENTILATION SYSTEM: SUPPLY OUTSIDE AIR INLET, FILTER, AND HEAVY CORES ACCESSIBLE PER RACM REFERENCE MANUAL
 - IAQ VENTILATION SYSTEM: FAULT INDICATOR DISPLAY

HERS FEATURE SUMMARY:

- THE FOLLOWING IS A SUMMARY OF THE FEATURES THAT MUST BE FIELD-VERIFIED BY A CERTIFIED HERS RATER AS A CONDITION FOR MEETING THE MODELLED ENERGY PERFORMANCE FOR THIS COMPUTER ANALYSIS. REGISTERED QPROS AND QPROS ARE REQUIRED TO BE COMPLETED IN THE HERS REGISTRY
- INDOOR AIR QUALITY VENTILATION
 - REFRESHMENT HERS
 - MINIMUM AIRFLOW
 - VERIFIED RESOURCES
 - FAN EFFICIENCY WATTS/CFM
 - DUCT LEAKAGE TEST NO.

ATTIC SPACE VENTING CALCULATIONS FOR NEW ADDITION AT ROOFING:
SECOND FLOOR AREA ADDITION: 100 SQ. FT.
REQUIRED: 1.00 SQ. FT. x 1.00 = 1.00 SQ. FT. x 1.00 = 1.00 SQ. FT.
PROVIDE: 1.00 SQ. FT. x 1.00 = 1.00 SQ. FT. x 1.00 = 1.00 SQ. FT.
TOTAL: 1.00 SQ. FT. x 1.00 = 1.00 SQ. FT. x 1.00 = 1.00 SQ. FT.

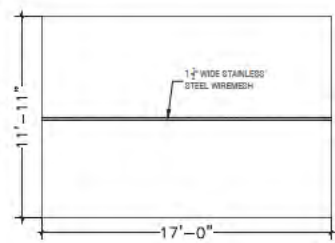
CRAWLSPACE VENTING CALCULATIONS FOR NEW ADDITION:
REQUIRED: 1.00 SQ. FT. x 1.00 = 1.00 SQ. FT. x 1.00 = 1.00 SQ. FT.
PROVIDE: 1.00 SQ. FT. x 1.00 = 1.00 SQ. FT. x 1.00 = 1.00 SQ. FT.
TOTAL: 1.00 SQ. FT. x 1.00 = 1.00 SQ. FT. x 1.00 = 1.00 SQ. FT.



Weatherwear
The Architect's Choice for Promenade Decking



Weatherwear is a revolutionary new decking material that is made from recycled plastic and wood. It is a durable, low-maintenance material that is perfect for outdoor decks. Weatherwear is available in a variety of colors and textures, and it can be installed over a variety of substrates. Weatherwear is a great choice for anyone looking for a durable, low-maintenance decking material.



INVERTED CEILING PLAN OF DECK
(FOR VENTILATION DETAILS)

DECK VENTILATION CALCULATIONS:
REQUIRED: 203 x 1/150 = 1.35 SQ. FT. x 144 = 194.88 SQ. IN.
PROVIDE:
VENTILATION STRIPS = 16 FT LONG 1 1/2" WIDE STAINLESS STEEL WIRE MESH - (16 X 12 X 1.5) X 1 = 288 SQ. IN. > 194.88 SQ. IN.

ALL ELEMENTS OF THE IMPERVIOUS MOISTURE BARRIER SYSTEM SHALL NOT BE CONCEALED UNTIL INSPECTED AND APPROVED

OWNER:
RAJ KUMARI & DEVENDRA

DESIGNER:
UNICORN STRUCTURES
PRINCIPAL
DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070



REVISIONS	DESCRIPTION
NUMBER	DATE

PROJECT:
(ADDITION & REMODELING OF EXISTING HOUSE)
448 SAN BENITO AVE, LOS GATOS, CA 95030

SHEET TITLE:
PROPOSED ROOF PLAN

DATE:
03/03/2025

SCALE:
1/4"=1'

SHEET:
A4.2



Top ports: B160H65RT
Side ports: B160H65RS
35 to 59 CFM @ 0.2 in. w.
35 to 50 CFM @ 0.4 in. w.



- 12% of 18% a 377 and 57% in -12% 64 CPM

- [illegible]

AUTOMATIC	SPEED SELECTION	ADVANCED TECHNOLOGY	20-0-60 MILES
-----------	-----------------	------------------------	------------------



There are 4 optional train controls and 2 optional auxiliary controls available. Refer to Wall Control specification sheet for more information.

- *Aspergillus fumigatus* (rare, opportunistic)

- Dimensions: 12" x 12" x 1" (30.5 cm x 30.5 cm x 2.5 cm)

- MPEV 5 grade available standard (not included)

- Complete line of registers and diffusion

- Compatible with 600 Tandem transmitter (part no. TTA-001) and uses producing up to 150 CFM/min

Homesfield™ Defrosting System

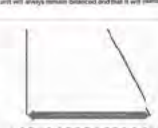
No negative pressure is created by air exhausted to the outdoors since the air is recirculated into the house, helping to prevent any backdraft.

[illegible]

Thanks to Virtual Air Technology™, no need to balance the unit manually. Both PMM motors are controlled by an electronic control system.

For typical installation, Vario will ensure a balanced ventilation at every selected speed regardless of the wall conditions, the type of connection, the variable speed furnace/W4, the stack effect, the filter clogging and so on. The control is automatic and it has a continuous monitoring system that allows you to adjust the speed of the fan with respect to the actual needs of the system.

Year	Waste Generated (10 ⁶ t)	Waste Recycled (10 ⁶ t)	Waste Incinerated (10 ⁶ t)	Waste Landfilled (10 ⁶ t)	Waste Recovered (10 ⁶ t)	Waste Treated (10 ⁶ t)	Waste Recovered (%)
1990	11.1	1.8	0.0	9.3	1.8	1.8	16.2
1991	11.2	1.9	0.0	9.3	1.9	1.9	16.9
1992	11.3	2.0	0.0	9.3	2.0	2.0	17.7
1993	11.4	2.1	0.0	9.3	2.1	2.1	18.4
1994	11.5	2.2	0.0	9.3	2.2	2.2	19.1
1995	11.6	2.3	0.0	9.3	2.3	2.3	19.8
1996	11.7	2.4	0.0	9.3	2.4	2.4	20.5
1997	11.8	2.5	0.0	9.3	2.5	2.5	21.2
1998	11.9	2.6	0.0	9.3	2.6	2.6	21.8
1999	12.0	2.7	0.0	9.3	2.7	2.7	22.5
2000	12.1	2.8	0.0	9.3	2.8	2.8	23.2
2001	12.2	2.9	0.0	9.3	2.9	2.9	23.7
2002	12.3	3.0	0.0	9.3	3.0	3.0	24.4
2003	12.4	3.1	0.0	9.3	3.1	3.1	25.0
2004	12.5	3.2	0.0	9.3	3.2	3.2	25.6
2005	12.6	3.3	0.0	9.3	3.3	3.3	26.2
2006	12.7	3.4	0.0	9.3	3.4	3.4	26.8
2007	12.8	3.5	0.0	9.3	3.5	3.5	27.3
2008	12.9	3.6	0.0	9.3	3.6	3.6	27.9
2009	13.0	3.7	0.0	9.3	3.7	3.7	28.5
2010	13.1	3.8	0.0	9.3	3.8	3.8	29.0

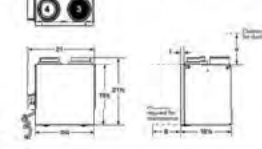


1 - Exhaust air from building

- 1 - Exhaust air from building
2 - Fresh air to building
3 - Exhaust air to outside
4 - Fresh air from outside

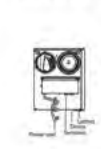


Total suspended weight: approx. 22 kg (70 lb) hydrogen sulfide
 Disinfectant: approx. 22 kg (70 lb)

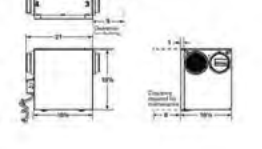


T - Exhaust air from building

- 2 - Fresh air to building
- 3 - Exhausted air for summer
- 4 - Fresh air from outside



Total assembled weight: approx. 25 lbs (11 kg) (case included)
Shipping weight: approx. 22 lbs (10 kg)



Year	1990	1991	1992	1993
------	------	------	------	------

Treatment		No. of fish		Survival (%)	Survival (days)	Survival (days)	Survival (days)
A	B	C	D				
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8

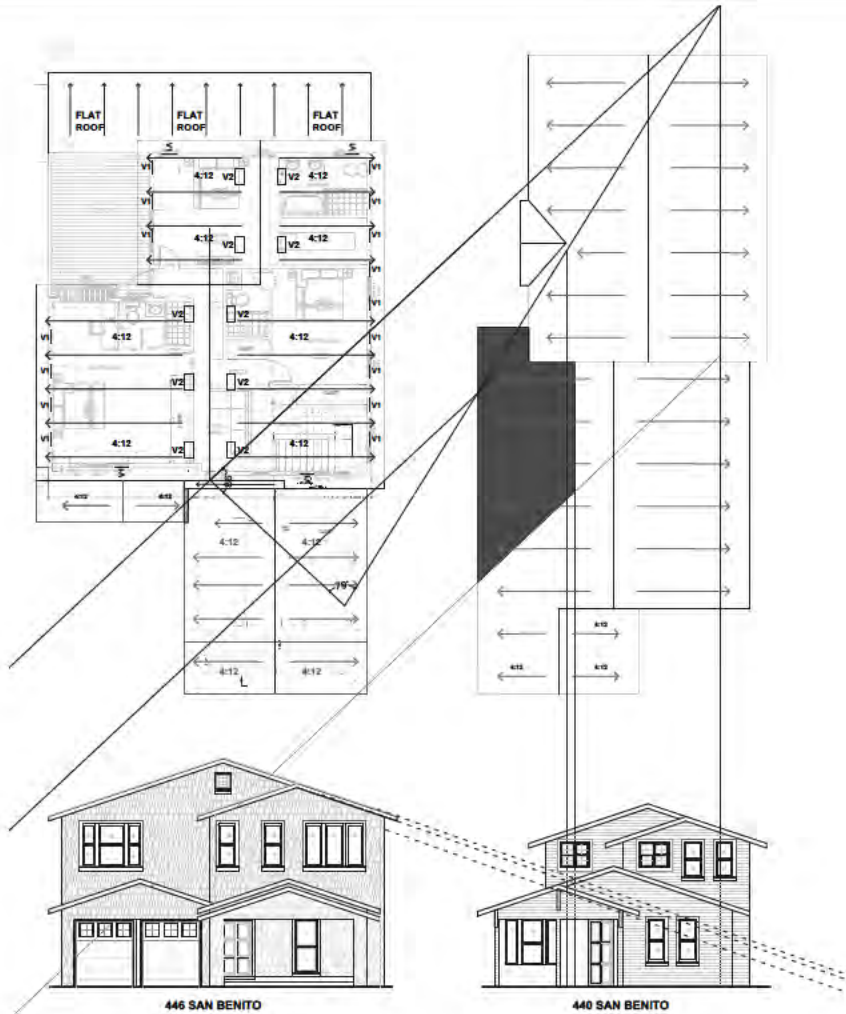
© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 111–118

+ UN: 1912 (complaints)

- Could be installed in compliance with CSA F223
- Performance tested per CSA C427 Standard
- Compliant with Prop. 65

Project: _____ Service: _____
 Location: _____
 Est. no.: _____
 Date: _____
 Submitted by: _____ Date: _____

BROAN **NY** Manufactured in U.S.A.
 Broan-NuTone Co., 400 West 10th Street, Northbrook, Illinois 60062-1099 ©2005-06-01



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DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070



REVISONS	DESCRIPTION	
	NUMBER	DATE

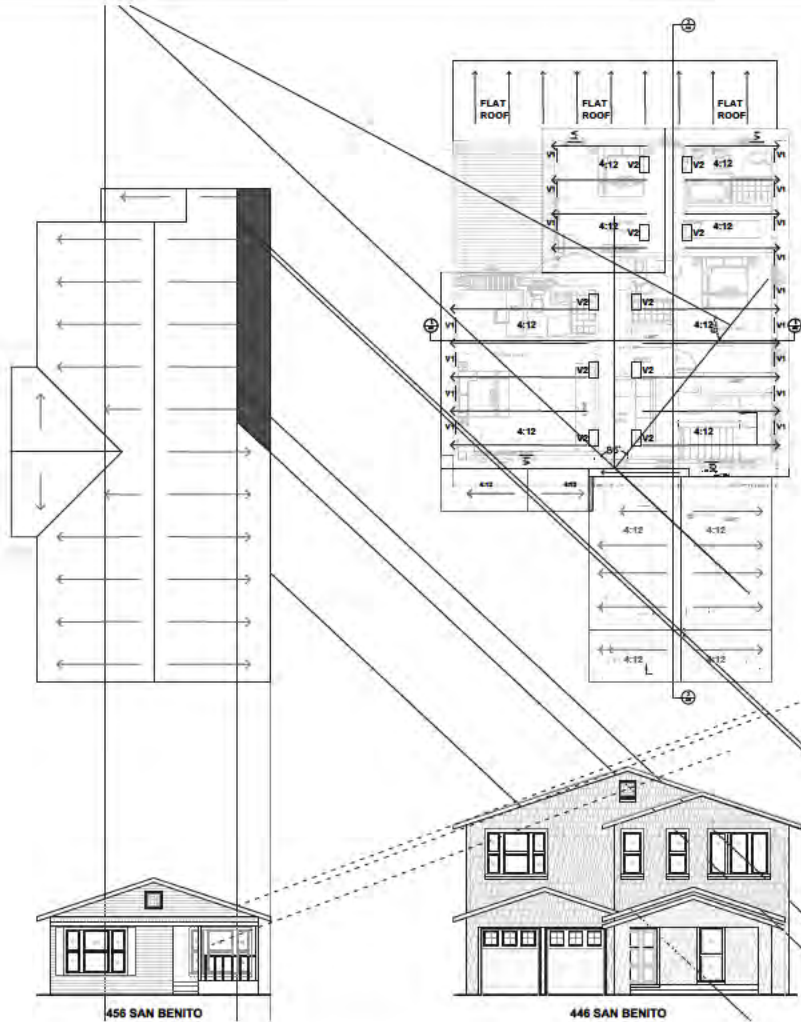
PROJECT :-
(ADDITION &
REMODELING OF
EXISTING HOUSE)
446 SAN BENITO
AVE, LOS GATOS,
CA 95030

SHEET
TITLE:-
SOLAR
ANALYSIS 1

DATE
03/03/2025

SCALE
3/16"=1'

SHEET
A4.4



OWNER :-
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& DEVENDRA

DESIGNER :-
UNICORN STRUCTURES
PRINCIPAL
DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070



REVISIONS	NUMBER	DATE	DESCRIPTION

PROJECT :-
(ADDITION &
REMODELING OF
EXISTING HOUSE)
446 SAN BENITO
AVE, LOS GATOS,
CA 95030

**SHEET
TITLE:-**
SOLAR
ANALYSIS 2

DATE
03/03/2025

SCALE
3/16"=1'

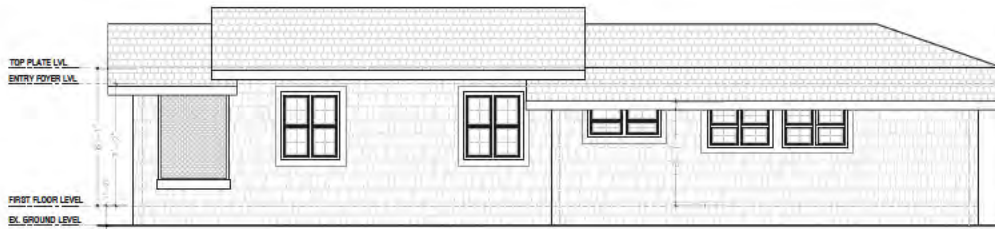
SHEET
A4.5



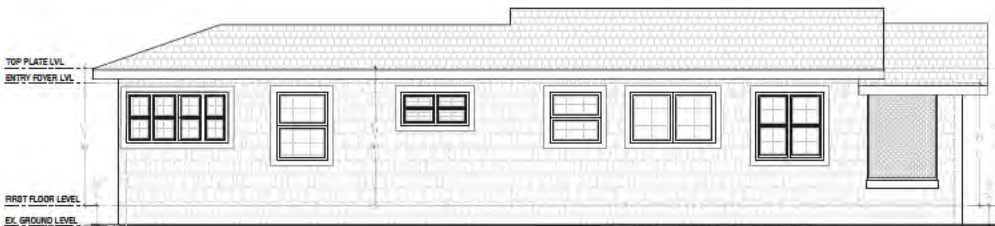
EXISTING FRONT ELEVATION
SCALE 3/8" = 1'-0"



EXISTING REAR ELEVATION
SCALE 3/8" = 1'-0"



EXISTING RIGHT ELEVATION
SCALE 3/8" = 1'-0"



EXISTING LEFT ELEVATION
SCALE 3/8" = 1'-0"

OWNER :-
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& DEVENDRA

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PRINCIPAL
DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070



REVISIONS	DESCRIPTION	
	NUMBER	DATE

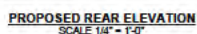
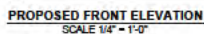
PROJECT :-
(ADDITION &
REMODELING OF
EXISTING HOUSE)
448 SAN BENITO
AVE, LOS GATOS,
CA 95030

SHEET TITLE:-
EXISTING
ELEVATIONS

DATE
03/03/2025

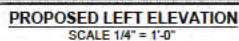
SCALE
3/8"=1'-0"

SHEET
A5.1



3. STUCCO IS TO BE APPLIED WITH A 3 COAT APPLICATION WHEN APPLIED OVER METAL LATH OR W/IN THE LATH PER CC# R703.6.2.
4. PROVIDE STEPPED FLASHING WITH METAL LATH AT A LOCATION A MINIMUM OF 4" ABOVE THE ROOF OR 2" ABOVE PAVED AREAS PER CC# R703.6.2.1.
5. PROVIDE FLASHING OF TYPE "T" UNDERLAPPING AT STUCCO WALLS WHERE THE STUCCO IS APPLIED OVER WOOD SHAKES OR PLYS OF CEDAR OR REDWOOD.
6. NO EAVE TRANSFER ARE ALLOWED WHERE SHEAR TRANSFER IS REQUIRED AT FREEZE BLOCK.
7. PROVIDE GALVANIZED STEEL METAL FLASHING AND COUNTER FLASHING AT ALL ROOF TO WALL AND CHIMNEY FLASHINGS. PROVIDE 18" MIN. OVERLAP. PROVIDE STEPPED FLASHING WHERE THE SLOPED ROOF MEETS THE WALL.
8. PROVIDE 1/2" RUBBER METAL LATH AT ALL SLOPED ROOF STUCCO WALLS.

1. WOOD PLANKS TO BE FIXED OVER WATER RESISTANT BARRIER (ONE LAYER OF NO 15 ASPHALT FELT) OVER SEATING AS PER 1020.1 IRC 2022 (COMPLYING WITH ASTM D226 - TYPE I) - MATCHING TO EXIST N



DESIGNER :-
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PROJECT:
(ADDITION &
REMODELING OF
EXISTING HOUSE)
**446 SAN BENITO
AVE, LOS GATOS
CA 95030**

SHEET
TITLE:-

DATE
03/03/2025

SCALE
1/4"=1'-0"

SHEET
A5.2



Broken White
KMW47

STUCCO FINISH
WITH BROKEN WHITE
KMW47 PAINT
(ON REAR ELEVATION)



MIN. CLASS A SHINGLES



(ANDERSEN WINDOW)
100 series single-hung window
- WHITE EXTERIOR



GARAGE DOOR



MAIN DOOR



WOOD SIDING

OWNER :-
RAJ KUMARI
& DEVENDRA

DESIGNER :-
UNICORN STRUCTURES
PRINCIPAL
DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070



REVISIONS
NUMBER DATE DESCRIPTION

PROJECT :-
(ADDITION &
REMODELING OF
EXISTING HOUSE)
448 SAN BENITO
AVE, LOS GATOS,
CA 95030

SHEET
TITLE:-
MATERIAL
SHEET

DATE
03/03/2025

SCALE
3/8"=1'-0"

SHEET
A5.3

PROPOSED RIGHT SIDE VIEW



PROPOSED LEFT SIDE VIEW



OWNER :-
RAJ KUMARI
& DEVENDRA

DESIGNER :-
UNICORN STRUCTURES
PRINCIPAL
DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070



REVISIONS		DESCRIPTION
NUMBER	DATE	

PROJECT :-
(ADDITION &
REMODELING OF
EXISTING HOUSE)
446 SAN BENITO
AVE, LOS GATOS,
CA 95030

**SHEET
TITLE:-**
PROPOSED
3D VIEWS

DATE
03/03/2025

SCALE
1/4"=1'

SHEET
A5.4

OWNER :-
RAJ KUMARI
& DEVENDRA

DESIGNER :-
UNICORN STRUCTURES
PRINCIPAL
DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070



REVISIONS	DESCRIPTION	
	NUMBER	DATE

PROJECT :-
(ADDITION &
REMODELING OF
EXISTING HOUSE)
448 SAN BENITO
AVE, LOS GATOS,
CA 95030

SHEET
TITLE:-
STREET
SCAPE

DATE
03/03/2025

SCALE
1/8"=1'-0"

SHEET
A5.5

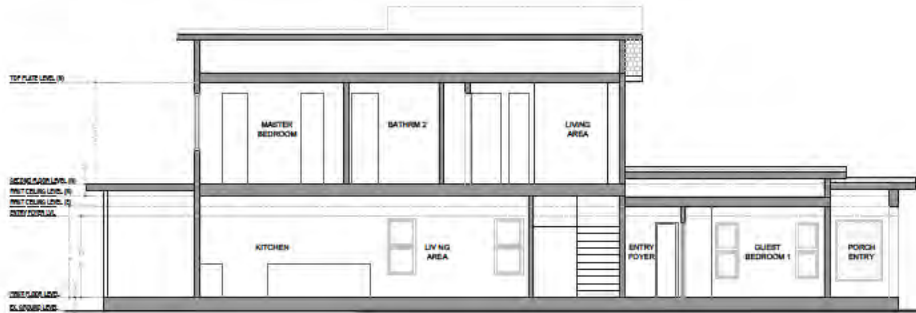


SAN BENITO AVENUE ROAD





PROPOSED SECTION - 1
SCALE : 1/4"=1'-0"



PROPOSED SECTION - 2
SCALE : 3/8"=1'-0"

OWNER :-
RAJ KUMARI
& DEVENDRA

DESIGNER :-
UNICORN STRUCTURES
PRINCIPAL
DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070



REVISIONS	DESCRIPTION
NUMBER	DATE

PROJECT :-
(ADDITION &
REMODELING OF
EXISTING HOUSE)
448 SAN BENITO
AVE, LOS GATOS,
CA 95030

SHEET TITLE:-
PROPOSED SECTIONS

DATE
03/03/2025
SCALE
1/4"=1'-0"
SHEET
A6



461 MONTEREY AVE

459 MONTEREY AVE

453 MONTEREY AVE

451 MONTEREY AVE

443 MONTEREY AVE

HOUSES ROW OF CONTEXT TO REAR / ADJACENT OF THE HOUSE



458 SAN BENITO AVE

456 SAN BENITO AVE

446 SAN BENITO AVE

440 SAN BENITO AVE

438 SAN BENITO AVE

HOUSES ROW OF CONTEXT TO THE HOUSE

SAN BENITO ROAD



459 SAN BENITO AVE

455 SAN BENITO AVE

445 SAN BENITO AVE

441 SAN BENITO AVE

437 SAN BENITO AVE

HOUSES ROW OF CONTEXT TO FRONT OF THE HOUSE

ADDRESS	LIVING AREA
440 San Benito Ave, LOS GATOS, CA 95030	2902 SQ FT
456 San Benito Ave, LOS GATOS, CA 95030	3143 SQ FT
458 San Benito Ave, LOS GATOS, CA 95030	2982 SQ FT
438 San Benito Ave, LOS GATOS, CA 95030	2396 SQ FT
456 San Benito Ave, LOS GATOS, CA 95030	1500 SQ FT

ADDRESS	LIVING AREA
455 San Benito Ave, LOS GATOS, CA 95030	2982 SQ FT
445 San Benito Ave, LOS GATOS, CA 95030	3566 SQ FT
447 San Benito Ave, LOS GATOS, CA 95030	650 SQ FT
437 San Benito Ave, LOS GATOS, CA 95030	1008 SQ FT
459 San Benito Ave, LOS GATOS, CA 95030	1370 SQ FT

ADDRESS	LIVING AREA
461 Monterey Ave LOS GATOS, CA 95030	3271 SQ FT
453 Monterey Ave LOS GATOS, CA 95030	1377 SQ FT
451 Monterey Ave LOS GATOS, CA 95030	1366 SQ FT
443 Monterey Ave LOS GATOS, CA 95030	576 SQ FT
446 San Benito Ave, LOS GATOS, CA 95030	2365 SQ FT

THE LIVING AREA OF 446 San Benito Ave, LOS GATOS, CA 95030 IS NOT BIGGEST

OWNER :-
RAJ KUMARI
& DEVENDRA

DESIGNER :-
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PRINCIPAL
DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070



REVISIONS	DESCRIPTION
NUMBER	DATE

PROJECT :-
(ADDITION &
REMODELING OF
EXISTING HOUSE)
**446 SAN BENITO
AVE, LOS GATOS,
CA 95030**

SHEET
TITLE:-
CONTEXT
PHOTO
GRAPHS

DATE
03/03/2025

SCALE
NTS

SHEET
A7

Section 2: Building a House

Appendix A: How to Read Your Neighborhood Workbook

Rooms

Interior Panel: Exterior Panel: Corner Panel: Immediate Neighboring Parcel:

Roof Forms

All Gable Roofs	All Hip Roofs	Gambrel and Hip Roofs	Flat / Low Slope	Other (Pyramid)
Frequency of Occurrence	Frequency of Occurrence	Frequency of Occurrence	Frequency of Occurrence	Frequency of Occurrence
1-2	1-2	1-2	1-2	1-2
3-4	3-4	3-4	3-4	3-4
5-6	5-6	5-6	5-6	5-6

Roof Pitches

Steep	Steep Hip	Moderate Pitch	Moderate Pitch	Very Steep Pitch
Frequency of Occurrence	Frequency of Occurrence	Frequency of Occurrence	Frequency of Occurrence	Frequency of Occurrence
1-2	1-2	1-2	1-2	1-2
3-4	3-4	3-4	3-4	3-4
5-6	5-6	5-6	5-6	5-6

APENDIX A
How to Read Your Neighborhood
Workbook

Roofs 2.

Roof Overhangs

None (0' overhang)	Small (18" or less)	Large (24" or more)
Frequency of 1 out of 10	Frequency of 2 out of 10	Frequency of 3 out of 10
2.4	2.4	2.4
10.1	10.1	10.1

Interior Panel **Center Panel**
Immediate Neighborhood Panels

Interior Panel	Center Panel
Frequency of 1 out of 10	Frequency of 1 out of 10
2.4	2.4
10.1	10.1

Roof Eaves

Open	Open with exposed rafters	Closed
Frequency of 1 out of 10	Frequency of 1 out of 10	Frequency of 1 out of 10
2.4	2.4	2.4
10.1	10.1	10.1

Roof Elevation




Front	Gable or Hip	Shed Elevation
Frequency of 1 out of 10	Frequency of 1 out of 10	Frequency of 1 out of 10
2.4	2.4	2.4
10.1	10.1	10.1

Form of Life Cote





APPROXIMATE How to Read Your Neighborhood Workbook

Windows 1






Polysulfide Window Properties


Vertical	Square	Horizontal
		
Frequency of Replacement 2 to 4 years	Frequency of Replacement 1 to 2 years	Frequency of Replacement 1 to 2 years
Life Span (E.P.) 1	Life Span (E.P.) 1	Life Span (E.P.) 1

Polysulfide Window Type

Double-Hung	Casement	Sliding	Other Designs
			
Frequency of Replacement 2 to 4 years	Frequency of Replacement 1 to 2 years	Frequency of Replacement 1 to 2 years	Frequency of Replacement 1 to 2 years
Life Span (E.P.) 1	Life Span (E.P.) 1	Life Span (E.P.) 1	Life Span (E.P.) 1

Window Divisions

None	Panes of Top	Panes of Sill	Panes of Transom	Other Designs
				
Frequency of Replacement 2 to 4 years	Frequency of Replacement 1 to 2 years	Frequency of Replacement 1 to 2 years	Frequency of Replacement 1 to 2 years	Frequency of Replacement 1 to 2 years
Life Span (E.P.) 1	Life Span (E.P.) 1	Life Span (E.P.) 1	Life Span (E.P.) 1	Life Span (E.P.) 1




Interior Panels

Corner Panels

Immediate Neighboring Panels

Residential Window Guidelines

[illegible]

OWNER :- RAJ KUMARI & DEVENDRA	
DESIGNER :- UNICORN STRUCTURES PRINCIPAL DEVENDRA DESHWAL 20801, VERDE MOOR CT. SARATOGA, CA - 95070	
	
REVISIONS	DESCRIPTION
NUMBER	DATE
PROJECT : (ADDITION & REMODELING OF EXISTING HOUSE) 446 SAN BENITO AVE, LOS GATOS, CA 95030	
SHEET TITLE:- NEIGHBOR- HOOD SURVEY 1	
DATE	03/03/2025
SCALE	NTS
SHEET	A7.1

Sheet of Use Guide APPENDIX A How to Read Your Neighborhood Workbook

Doors

Interior Panel Glass Panel

Immediate Neighborhood Pattern

Door Size	Door Setting
Frequency of Occurrence	Frequency of Occurrence
1-2 times	1-2 times
3-4 times	3-4 times
5-6 times	5-6 times

Door Detail
Frequency of Occurrence
1-2 times
3-4 times
5-6 times

Residential Design Guidelines

Sheet of Use Guide APPENDIX A How to Read Your Neighborhood Workbook

Materials

Interior Panel Glass Panel

Immediate Neighborhood Pattern

Primary Wall Materials
Frequency of Occurrence
1-2 times
3-4 times
5-6 times

Roof Materials
Frequency of Occurrence
1-2 times
3-4 times
5-6 times

Residential Design Guidelines

Sheet of Use Guide APPENDIX A How to Read Your Neighborhood Workbook

Accent Details

Interior Panel Glass Panel

Immediate Neighborhood Pattern

Accent Details
Frequency of Occurrence
1-2 times
3-4 times
5-6 times

Other Distinctive Features in the Immediate Neighborhood
Frequency of Occurrence
1-2 times
3-4 times
5-6 times

Residential Design Guidelines

Sheet of Use Guide APPENDIX A How to Read Your Neighborhood Workbook

Neighborhood Patterns

Frequency of Occurrence

1-2 times

3-4 times

5-6 times

Architectural Styles
Frequency of Occurrence
1-2 times
3-4 times
5-6 times

Form and Material
Frequency of Occurrence
1-2 times
3-4 times
5-6 times

Residential Design Guidelines

Sheet of Use Guide APPENDIX A How to Read Your Neighborhood Workbook

Roofs

Roof Style Roof Color Roof Detail

Frequency of Occurrence

1-2 times

3-4 times

5-6 times

Windows
Frequency of Occurrence
1-2 times
3-4 times
5-6 times

Windows
Frequency of Occurrence
1-2 times
3-4 times
5-6 times

Residential Design Guidelines

Sheet of Use Guide APPENDIX A How to Read Your Neighborhood Workbook

Doors

Door Style Door Setting Door Detail

Frequency of Occurrence

1-2 times

3-4 times

5-6 times

Materials
Frequency of Occurrence
1-2 times
3-4 times
5-6 times

Accent Details
Frequency of Occurrence
1-2 times
3-4 times
5-6 times

Residential Design Guidelines

Sheet of Use Guide APPENDIX A How to Read Your Neighborhood Workbook

Materials

Interior Panel Glass Panel

Immediate Neighborhood Pattern

Accent Details
Frequency of Occurrence
1-2 times
3-4 times
5-6 times

Other Distinctive Features in the Immediate Neighborhood

Other Distinctive Features in the Immediate Neighborhood

Sheet of Use Guide APPENDIX A How to Read Your Neighborhood Workbook

Neighborhood Patterns

Frequency of Occurrence

1-2 times

3-4 times

5-6 times

Architectural Styles
Frequency of Occurrence
1-2 times
3-4 times
5-6 times

Form and Material
Frequency of Occurrence
1-2 times
3-4 times
5-6 times

Residential Design Guidelines

OWNER :-
RAJ KUMARI
& DEVENDRA

DESIGNER :-
UNICORN STRUCTURES
PRINCIPAL
DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070

PROJECT :-
(ADDITION &
REMODELING OF
EXISTING HOUSE)
446 SAN BENITO
AVE, LOS GATOS,
CA 95030

SHEET TITLE:-
NEIGHBOR-
HOOD
SURVEY 2

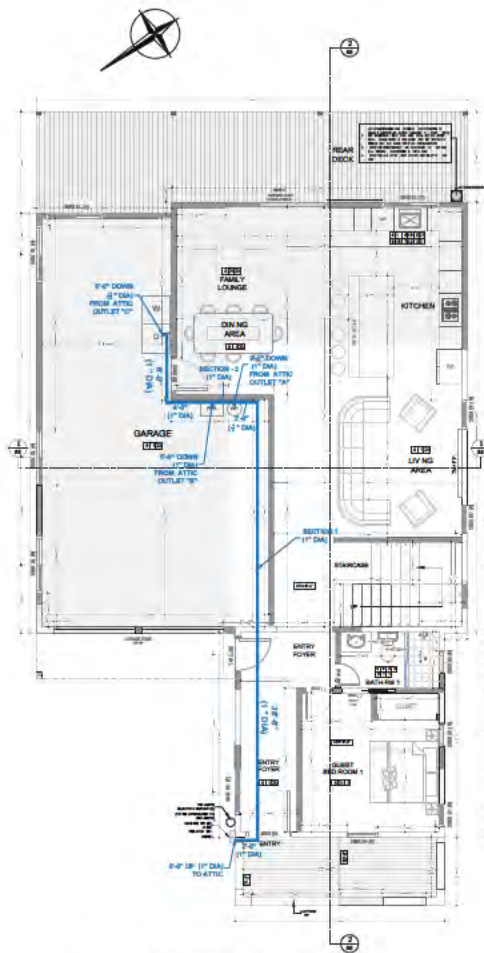
DATE
03/03/2025

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SHEET
A7.2

REVISIONS

NUMBER	DESCRIPTION



PROPOSED FIRST FLOOR PLAN
SCALE 1/4" = 1'-0"

CALCULATION OF GAS PIPE SIZES AS PER CALIFORNIA PLUMBING CODE -2022

446 San Benito Ave, Los Gatos, CA-95030

APPLIANCES	BTU/HR / Cu FLOE GAS PER HR	OUTLET/ SECTION	CUMULATIVE LG OF HW /for OUTLET/ SECTIONS	LENGTH OF OUTLET/ SECTION	CUMULATIVE LENGTH OF MOST REMOTE OUTLET	SIZE OF REG. PIPE	REMARKS
Cloth Dryer	35000/32	OUTLET C	32	19'	15'10" + 2' + 9' + 51' = 88' SAY 90'	1/2"	
FURNACE	100000/93	OUTLET B	93	9'		3/4"	
		Section 2	123	2'		2"	
Tank Water Heater (50 Gallons)	50000/45	OUTLET A	45	9'		1/2"	
		SECTION 1	186	51'		2"	

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REVISIONS

NUMBER	DATE	DESCRIPTION


PROJECT :-
(ADDITION & REMODELING OF EXISTING HOUSE)
446 SAN BENITO AVE, LOS GATOS, CA 95030

SHEET TITLE:-
GAS LINE DIAGRAM & CALCULATION

DATE 03/03/2025
SCALE 1/4"=1'-0"
SHEET M1

 CALGreen 2022 CALGREEN RESIDENTIAL MANDATORY MEASURES EFFECTIVE July 1, 2024	
See table 1, referenced measures by jurisdiction and by CALGreen mandatory measurement	
2022 CALGREEN CODE	
4.196.1.1	<p>2. Air-seal joints or individual components that are required to be air-sealed by the measurement provisions of the provisions referenced for Airtight TV Chasing by any applicable code. The assembly installation shall:</p> <ul style="list-style-type: none"> a. New multifamily buildings, hotels and motels and new residential parking facilities <ul style="list-style-type: none"> • Apply to all of new multifamily dwelling units, hotels and motels and new residential parking facilities • Shall meet the assembly of Section 4.196.1.2.3 • Construction for spaces shall be mounted up to the nearest solid vertical member. • A existing sealing system by electrically welded sealant maximum (EWSE) as designed by an ETV Chasing system and/or repair or at least one additional assembly, pending owner approval for the purpose of compliance with any applicable minimum EWSE or airtightness measurement established by a third-party consultant. See Table Code Section 4.196.1.2.3 for further details.
4.196.1.2 Multifamily buildings, hotels and motels	
1. ETV wrapping systems with membrane	
4.196.1.2.1	<p>1. Airtight and Moisture 40% of the total quantity of parking spaces that will be equipped with the power level 2 of the ETV Chasing measurement.</p> <p>Multifamily parking facilities: Multifamily parking facilities of new parking spaces shall be equipped with the power level 2 of ETV Chasing measurement. ETV Chasing measurement shall be limited to the total quantity of parking spaces that will be equipped when assigned parking is provided but need not exceed 40% of the total quantity of assigned parking spaces provided on the site.</p> <p>Exception: Areas of parking facilities covered by parking lots, or garages, facilities otherwise exempted from parking facilities, parking garages, parking carports, and ramps.</p> <p>Permissible power source: ETV Chasing measurement is multifamily parking facilities shall be equipped with the power level 2 of ETV Chasing measurement. ETV Chasing measurement shall be limited to the total quantity of parking spaces that will be equipped when assigned parking is provided but need not exceed 40% of the total quantity of assigned parking spaces provided on the site.</p>
4.196.1.2.2	<p>2. Airtight and Moisture 40% of the total quantity of parking spaces that will be equipped with the power level 2 of the ETV Chasing measurement.</p> <p>Multifamily parking facilities: Multifamily parking facilities of new parking spaces shall be equipped with the power level 2 of ETV Chasing measurement. ETV Chasing measurement shall be limited to the total quantity of parking spaces that will be equipped when assigned parking is provided but need not exceed 40% of the total quantity of assigned parking spaces provided on the site.</p> <p>Exception: Areas of parking facilities covered by parking lots, or garages, facilities otherwise exempted from parking facilities, parking garages, parking carports, and ramps.</p> <p>Permissible power source: ETV Chasing measurement is multifamily parking facilities shall be equipped with the power level 2 of ETV Chasing measurement. ETV Chasing measurement shall be limited to the total quantity of parking spaces that will be equipped when assigned parking is provided but need not exceed 40% of the total quantity of assigned parking spaces provided on the site.</p>

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OWNER :- RAJ KUMARI & DEVENDRA					
DESIGNER :- UNICORN STRUCTURES PRINCIPAL DEVENDRA DESHWAL 20801, VERDE MOOR CT. SARATOGA, CA - 95070					
					
REVISIONS		DATE	DESCRIPTION		
NUMBER					
PROJECT : (ADDITION & REMODELING OF EXISTING HOUSE) 446 SAN BENITO AVE, LOS GATOS, CA 95030					
SHEET TITLE:- CAL GREEN RESIDENTIAL MANDATORY MEASURES -1					
DATE 03/03/2025					
SCALE NTS					
SHEET CG1					

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0000-0001-9330-3542

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with the 2004-2005 season.

<http://www.mindgarden.com>

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TITLE:-

DATE
03/03/2025

SCALE
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SHEET
CG2

[Build It General](#)

Figure 1	Figure 2	Figure 3
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SHEET
CG3



Construction Best Management Practices (BMPs)

Construction projects are required to implement year-round stormwater BMPs.



Materials, Waste, and Sediment Management



Construction Entrances and Perimeter

- Establish and maintain effective perimeter controls, and stabilize all construction entrances and exits to sufficiently control erosion, sediment discharges and tracking of sediment offsite.
- Sweep or vacuum immediately any tracking of sediment offsite and secure sediment sources to prevent further tracking. Never hose down streets or sidewalks.

Non-Hazardous Materials and Dust Control

- Store and cover stockpiles of bulk dirt or other construction material with tarp, where rain is forecast or when they are not in use. Wash down and secure tarps for wind resistance.
- Keep materials off the ground (e.g., store bagged materials on wood pallets, store loose materials on tarps not permeated, etc.).
- Use captured water from other activities (e.g., testing fire lines) for dust control.
- Ensure dust control water doesn't leave site or discharge to storm drains. Only use enough to control dust. Contain and dispose of excess water properly.

Hazardous Materials

- Label all hazardous materials and hazardous wastes (such as pesticides, paints, solvents, fuels, oil, and antifreeze) in accordance with City, County, State and Federal regulations.
- Store hazardous materials and wastes in watertight containers, store in appropriate secondary containment, and cover them at the end of every workday, during wet weather or when rain is forecast.
- Follow manufacturer's application instructions for hazardous materials and do not use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- Average for appropriate disposal of all hazardous wastes. (Have all personnel Safety Data Sheets (i.e., SDS/MSDS/PSDS) on-site).

Waste Management

- Infuse trash-baling contractors that you will accept only watertight dumpsters for onsite use. Repair/replace any dumpster that is not watertight or leaking.
- Cover and maintain dumpsters. Check frequently for leaks. Place dumpsters under rocks to cover with tarp or plastic sheeting several around the outside of the dumpster. If the dumpster leaks, place a plastic liner underneath the dumpster to collect leaks. Never allow any a dumpster by leaving it alone on the construction site - clean with dry methods, clean offsite or replace dumpster.
- Place portable toilets and hand wash stations away from storm drains. Make sure they are equipped with containment pans (secondary containment) and are in good working order. Check frequently for leaks.
- Dispose of all wastes and demolition debris properly per SDS and applicable regulations. Recycle or compost materials and wastes as feasible and appropriate, including solvents, water-based paints, vehicle fluids, broken asphalt and concrete, wood, and cleared vegetation.
- Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids in hazardous waste per SDS.
- Keep site free of litter to e.g., lunch items, water bottles, cigarette butts and plastic packaging.
- Prevent litter from uncovered loads by covering loads that are being transported to and from site.

Equipment Management & Spill Control



Vehicle and Equipment Maintenance

- Designate an area of the construction site equipped with appropriate BMPs, well away from creeks or storm drain inlets, for auto and equipment parking and storage.
- Perform regular maintenance, repair jobs, and vehicle/equipment washing offsite.
- If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and install a drip pan or drip cloth big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
- If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, pipes, storm drains, or creeks.
- Do not clean vehicles or equipment using soaps, solvents, degreasers, or steam cleaning equipment, and do not use diesel oil to lubricate equipment or parts onsite.

Spill Prevention and Control

- Always keep spill cleanup materials (e.g., rags, absorbents, and cat litter) available at the construction site.
- Maintain all vehicles and heavy equipment. Inspect frequently for leaks. Use drip pans to catch leaks until repairs are made.
- Clean up leaks, drips and other spills immediately using dry cleanup methods wherever possible (absorbent materials, cat litter and/or rags) and dispose of cleanup materials properly.
- Sweep up spilled dry materials immediately. Never attempt to "wash them away" with water or hazy them.
- Clean up spills in dirt areas by digging up and properly disposing of contaminated soil.
- Report significant spills to the appropriate local spill response agencies immediately. If the spill poses a significant hazard to human health and safety, property or the environment, report it to the State Office of Emergency Services at (800) 852-5550 (24 hours).

Earthmoving



Grading and Earthwork

- Schedule grading and excavation work during dry weather.
- Prevent sediment from migrating offsite and protect storm drain inlets, drainage courses and creeks by installing and maintaining appropriate BMPs tailored to the site's specific characteristics and conditions. Examples of such BMPs may include silt fences, gravel bases, filter rolls, temporary coales, compost socks, etc. Ensure that BMPs are installed in accordance with manufacturer's specifications and properly maintained throughout the duration of construction activities.
- Stabilize all denuded areas and install and maintain temporary erosion controls (such as erosion control fabric or bonded fiber mats) until vegetation is established.
- Remove existing vegetation only when necessary. Plant temporary vegetation to prevent erosion on slopes or in areas where construction is not immediately planned.
- Keep excavated soil and/or transfer it to dump trucks, trucks, or to the street.
- Ensure all subcontractors working onsite are implementing appropriate BMPs.

Contaminated Soils

- If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board and the local agency: 1) Unusual soil conditions, discoloration, or odor; 2) Abandoned underground tanks; 3) Abandoned wells; 4) Buried barrels, debris, or trash.
- If the above conditions are observed, document any signs of potential contamination, clearly mark area and fence/stop them off so they are not disturbed by construction activities.

Landscaping

- Protect stockpiled landscaping materials from wind and rain by covering them under tarp year-round.
- Stack bagged material in dry pallets and under cover.
- Discontinue application of any readily leachable fertilizer material within 2 days before a forecast rain event or during wet weather.
- Store materials onsite, 600 ft. to the street.

Concrete Management & Dewatering



Concrete Management

- Store both dry and wet concrete materials under cover, protected from rainfall and runoff away from storm drains or creeks. Store materials off the ground on pallets. Protect dry materials from wind.
- Avoid pouring concrete in wet weather or when rainfall is imminent to prevent concrete that has not cured from causing excessive runoff.
- Wash out concrete equipment (mixers/trucks) offsite, or onto a designated concrete washout area where the water will flow into a temporary load water pit and in a manner that will prevent leaching into the underlying soils. (See CWSA Construction Stormwater BMP Handbook for temporary concrete washout facility details).
- Do not wash sweepings from exposed aggregate concrete into the street or storm drain. Collect and return sweepings to aggregate stockpile or dispose properly.
- Make sure that construction waste (e.g., concrete, slabs, cement wastewater, or residual materials) is collected, removed, and disposed of only at authorized disposal areas. Do not dispose of construction waste in storm drains, ditches, streets, creeks, dirt areas, or the sanitary sewer.

Dewatering

- Discharges of groundwater or cement runoff from dewatering operations must be properly managed and disposed. When possible, send dewatering discharge to landscaped area or sanitary sewer. If discharging to the sanitary sewer, obtain permission from the local wastewater treatment plant.
- Divert water originating from offsite away from all onsite disturbed areas.
- When dewatering, notify and obtain approval from the local municipality before discharging water to a storm gutter or storm drain. If dewatering or diverting through a basin, tank, or sediment trap may be required.
- In areas of known or suspected contamination, call the local agency to determine whether the groundwater must be tested. Pumped groundwater may need to be collected and hauled offsite for treatment and proper disposal.
- For additional information, refer to the CASQA's Sheet NS-2 "Dewatering Operations."

Paving/Asphalt Work



Paving

- Avoid paving and seal coating in wet weather or when rain is forecast to prevent materials that have not cured from contacting with stormwater runoff.
- Cover storm drain inlets and manholes when applying seal coat, slurry seal, fog seal, or similar materials.
- When construction is complete, remove all covers from storm drain inlets and manholes.
- Collect and recycle or properly dispose of excess asphalt or gravel or sand. Do NOT sweep or wash it into gutters, storm drains, streets, dirt areas, or the sanitary sewer.
- Protect storm drain inlets during saw cutting.
- When making saw cuts, use as little water as possible.
- Residue from saw cutting, paving and grinding operations shall be picked up by means of a vacuum device.
- Shovel, plow, or vacuum any cut slurry deposits and dispose of all waste properly and as soon as reasonably possible. Sawing residue should not be left on pavement surface.
- If saw cut slurry enters a storm drain inlet, clean it up immediately and notify the local municipality.

Copper Architectural Features

Discharges to storm drains generated by installing, cleaning, testing or washing copper architectural features, is a violation of the municipal stormwater ordinance and may be subject to a fine. These BMPs must be implemented to prevent prohibited discharges to storm drains.

During Installation

- If possible, purchase copper materials that have been pre-treated at the factory.
- If installation done on site, implement one or more of the following BMPs:
 - Discharge the rinse water to landscaping. Ensure that the rinse water does not flow to the street or storm drain. Block off storm drain inlet if needed.
 - Collect rinse water in a tank and pump to the sanitary sewer. Contact your local sanitary sewer agency before discharging to the sanitary sewer.
 - Collect the rinse water in a tank and haul off-site for proper disposal.
- Consider coating the copper materials with an impervious coating that prevents further corrosion and runoff. This will also maintain the desired color for a longer time, requiring less maintenance.

During Maintenance such as, power washing roof, re-painting, or re-application of impervious coating.

- Block storm drain inlets as needed to prevent runoff from entering storm drains.
- Discharge the wash water to landscaping or to the sanitary sewer (with permission from the local sanitary sewer agency). If this is not an option, haul the wash water off-site for proper disposal.

February 2024, WYCA 424

OWNER :-
RAJ KUMARI
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PRINCIPAL
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20801, VERDE MOOR CT.
SARATOGA, CA - 95070



REVISIONS
NUMBER DATE DESCRIPTION

PROJECT :-
(ADDITION &
REMODELING OF
EXISTING HOUSE)
446 SAN BENITO
AVE, LOS GATOS,
CA 95030

SHEET
TITLE:-
CONSTRUCTION
BEST
MANAGEMENT
PRACTICES

DATE
03/03/2025

SCALE
NTS

SHEET
CBMP

Storm drain polluters may be liable for fines of up to \$10,000 per day!



Clean Bay Blue Print

Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution and damage to creeks and the San Francisco Bay. Construction activities can directly affect the health of creeks and the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines and the project specifications will ensure your compliance with City of Fremont requirements.

Materials storage & spill cleanup

Non-hazardous materials management

- ✓ Sand, dirt, and similar materials must be stored at least 10 feet (3 meters) from catch basins. All construction material must be covered with a tarp and contained with a perimeter control during wet weather or when rain is forecasted or when not actively being used within 14 days.
- ✓ Use the dirt's natural containment water that should not be avoided.
- ✓ Sweep or vacuum streets and other paved areas daily. Do not wash down streets or work areas with water.
- ✓ Recycle all asphalt, concrete, and aggregate base material from construction activities. Comply with City of Fremont Ordinances for recycling construction materials, waste, and debris, page 20.
- ✓ Check dumpsters regularly for leaks and to make sure they are not overfilled. Repair or replace leaking dumpsters promptly.
- ✓ Cover all dumpsters with a tarp at the end of every work day or during wet weather.

Hazardous materials management

- ✓ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with state, county, and federal regulations.
- ✓ Store hazardous materials and wastes in leak-tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecasted.
- ✓ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecasted within 24 hours.
- ✓ Be sure to arrange for appropriate disposal of all hazardous wastes.

Spill prevention and control

- ✓ Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- ✓ When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek.
- ✓ Dispose of all containment and cleanup materials properly.
- ✓ Report any hazardous materials spills immediately! (301 971)

Construction Entrances and Perimeter

- ✓ Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- ✓ Sweep or vacuum any street tracking immediately and sweep adjacent areas to prevent further tracking.

Vehicle and equipment maintenance & cleaning

- ✓ Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- ✓ Fuel and maintain vehicles on site only in a bonded area or over a drip pan that is big enough to prevent runoff.
- ✓ If you must clean vehicles or equipment on site, clean with water only in a bonded area that will not allow rinse water to enter gutters, streets, storm drains, or creeks.
- ✓ Do not clean vehicles or equipment on-site using solvents, degreasers, or other cleaning equipment, etc.



Earthwork & contaminated soils

- ✓ Keep excavated soil on the site where it will not runoff at the street.
- ✓ Transfer to dump trucks should take place on the site, not on the street.
- ✓ Use filter rolls, silt fences, or other control measures to minimize the flow of silt off the site.



- ✓ Earth moving activities are only allowed during dry weather by permit and as approved by the City Engineer or the Field.
- ✓ Minimize vegetation in the best form of erosion control. Maintain disturbance to existing vegetation to a minimum.
- ✓ If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place other soils down slope until soil is secure.

- ✓ If you suspect contamination (from site history, discoloration, odor, texture, abnormal underground soils or pipes, or buried debris), call the Engineer for help in determining what should be done, and manage disposal of contaminated soil according to their instructions.

Dewatering operations

- ✓ Effectively manage all run-on, all runoff within the site, and all runoff that discharges from the site. Run-on from off site shall be directed away from all disturbed areas or shall effectively be in compliance.
- ✓ Route water for dust control, irrigation, or another on-site purpose to the greatest extent possible.
- ✓ Be sure to notify and obtain approval from the Engineer before discharging water into streets, gutters, or storm drains. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ✓ In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the Engineer to determine what testing is required and how to interpret results. Contaminated groundwater must be treated or handled off-site for proper disposal.



Saw cutting

- ✓ Always completely cover or barricade storm drains when saw cutting. Use filter fabric, catch basin inlet filters, or sand/gravel bags to keep debris out of the storm drain system.
- ✓ Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner).
- ✓ If saw cut slurry enters a catch basin, clean it up immediately!

Paving/asphalt work



- ✓ Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- ✓ Protect gutters, ditches, and drainage courses with sand/gravel bags, or similar barriers.
- ✓ Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the truckpile, or dispose of it as trash.
- ✓ Do not use water to wash down fresh asphalt pavement pavement.

Concrete, grout, and mortar storage & waste disposal

- ✓ Store concrete, grout, and mortar under cover, on pallets, and away from drainage areas. These materials must never be washed down.
- ✓ Wash-out concrete equipment trucks off-site or into contained truckload areas that will not allow discharge of wash water onto the underlying soil or onto the surrounding areas.
- ✓ Collect the wash water from washing equipment, aggregate concrete and remove it for appropriate disposal off site.



Painting

- ✓ Never rinse paint brushes or materials in a gutter or street.
- ✓ Paint not excess water-based paint before rinsing brushes, rollers, or containers in a sink.
- ✓ Paint not excess oil-based paint before cleaning brushes in thinner.
- ✓ Filter paint thinner and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste.



Landscape Materials

- ✓ Contains, cover, and store on pallets all stockpiled landscape materials (mulch, compost, fertilizer, etc.) during wet weather or when rain is forecasted or when not actively being used within 14 days.
- ✓ Discard the application of any available landscape material within 2 days of forecasted rain and during wet weather.

Storm drain polluters may be liable for fines of \$10,000 or more per day!

For references and more detailed information:
www.cleanwaterprogram.org
www.sustainablecities.com

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REVISIONS	DESCRIPTION	
	NUMBER	DATE

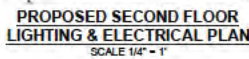
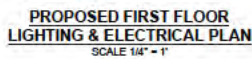
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





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CLEAN BAY
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RECEPTACLES & LIGHTS IN AREAS
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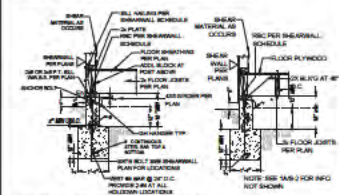
**PROPOSED
LIGHTING &
ELECTRICAL
FLOOR PLANS**

DATE
03/03/2025

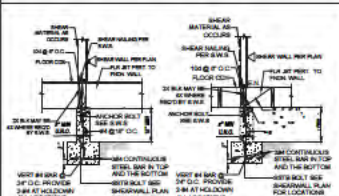
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NOTE: MOULD IN DIRECT CONTACT WITH CONCRETE SHALL BE PRESUMED TO BE TREATED WITH AN APPROPRIATE RELEASE AGENT. IF NOT TREATED, THE RELEASE AGENT SHALL BE APPLIED TO ALL SURFACES IN CONTACT WITH THE CONCRETE.



PERIMETER WALL FOOTING

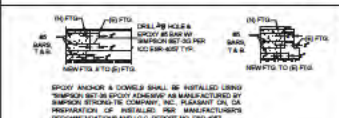


INTERIOR WALL FOOTING

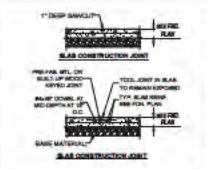
TABLE 1: TYP. NEW HOLDOWN

NO.	TYPE	SPACING	MIN. L	MIN. W	MIN. H	MIN. T
1	1" x 4"	12"	12"	4"	12"	12"
2	1" x 4"	12"	12"	4"	12"	12"
3	1" x 4"	12"	12"	4"	12"	12"
4	1" x 4"	12"	12"	4"	12"	12"
5	1" x 4"	12"	12"	4"	12"	12"
6	1" x 4"	12"	12"	4"	12"	12"
7	1" x 4"	12"	12"	4"	12"	12"
8	1" x 4"	12"	12"	4"	12"	12"
9	1" x 4"	12"	12"	4"	12"	12"
10	1" x 4"	12"	12"	4"	12"	12"

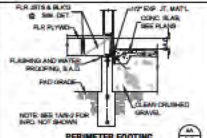
HOLDOWN DETAILS



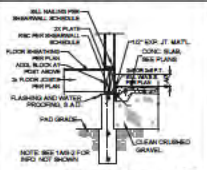
EXISTING & NEW FOOTING CONNECTION



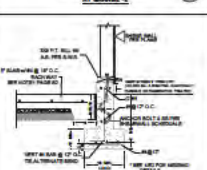
CONCRETE SLAB / CONSTRUCTION JOINT DETAIL



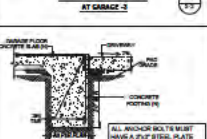
PERIMETER FOOTING AT GARAGE - 1



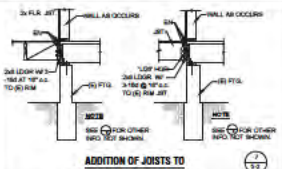
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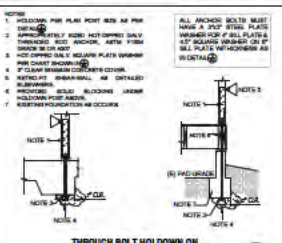
PERIMETER FOOTING AT GARAGE - 3



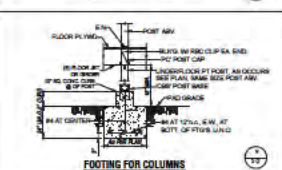
PERIMETER FOOTING AT GARAGE - 4



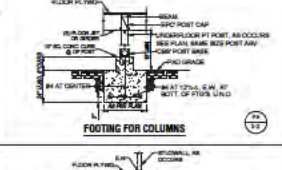
ADDITION OF JOISTS TO EXISTING FLOOR FRAMING



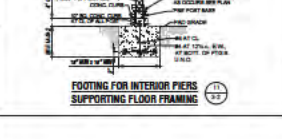
THROUGH BOLT HOLDOWN ON EXISTING FOOTING



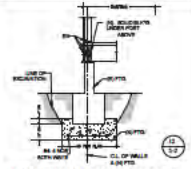
FOOTING FOR COLUMNS



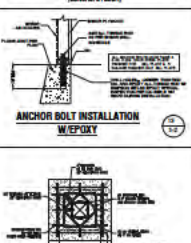
FOOTING FOR COLUMNS



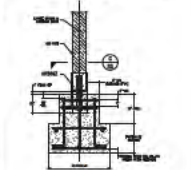
FOOTING FOR INTERIOR PIERS SUPPORTING FLOOR FRAMING



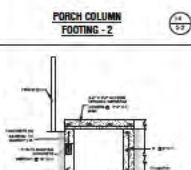
UNDER PINNING OF EXISTING FOUNDATION



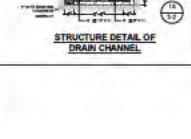
ANCHOR BOLT INSTALLATION W/EPXY



PORCH COLUMN FOOTING - 1



PORCH COLUMN FOOTING - 2



STRUCTURE DETAIL OF DRAIN CHANNEL

OWNER :-
RAJ KUMARI
& DEVENDRA

DESIGNER :-
UNICORN STRUCTURES
PRINCIPAL
DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070



REVISIONS	DESCRIPTION	
	NUMBER	DATE

PROJECT :-
(ADDITION &
REMODELING OF
EXISTING HOUSE)
448 SAN BENITO
AVE, LOS GATOS,
CA 95030

SHEET TITLE:-
TYPICAL
FRAMING
DETAILS

DATE
03/03/2025

SCALE
AS SHOWN ON PLANS

SHEET
S2

OWNER :-
RAJ KUMARI
& DEVENDRA

DESIGNER :-
UNICORN STRUCTURES
PRINCIPAL
DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070



REVISIONS	DESCRIPTION	
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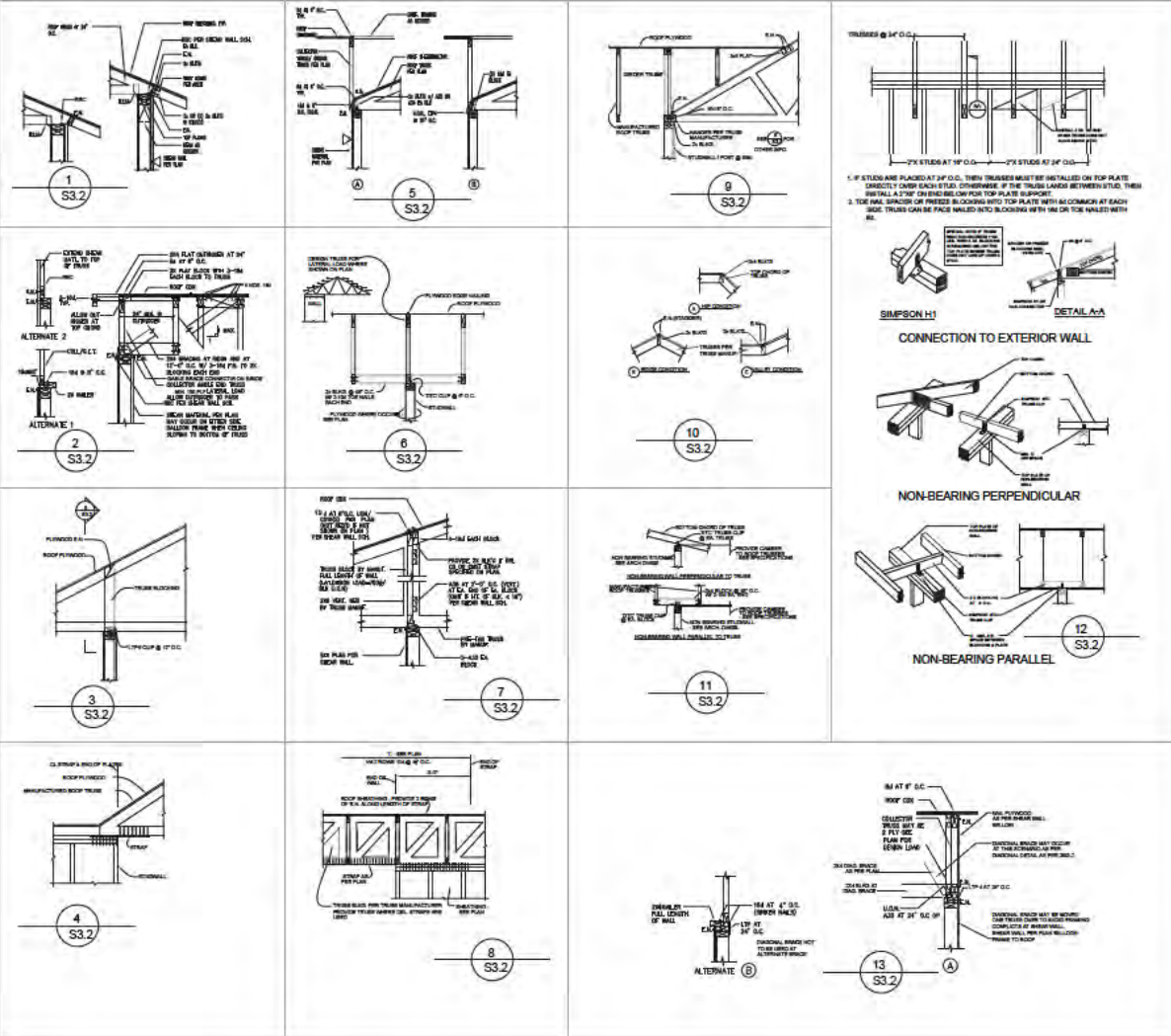
PROJECT :-
(ADDITION &
REMODELING OF
EXISTING HOUSE)
448 SAN BENITO
AVE, LOS GATOS,
CA 95030

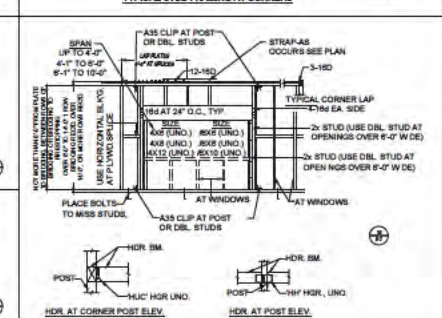
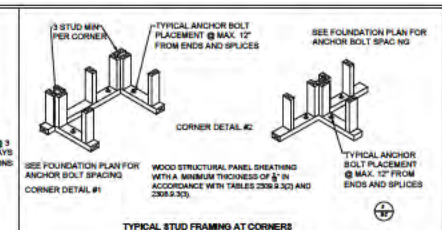
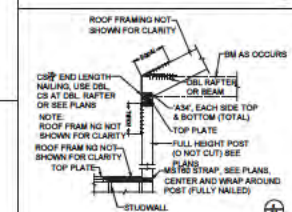
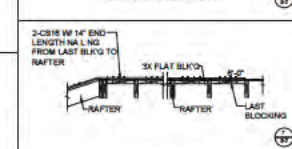
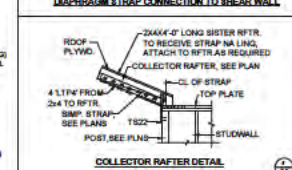
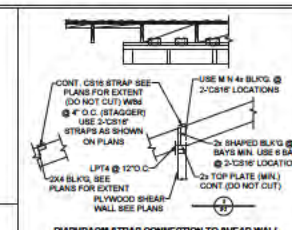
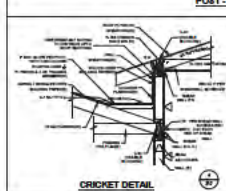
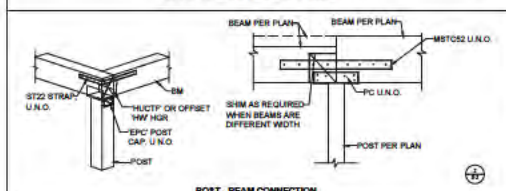
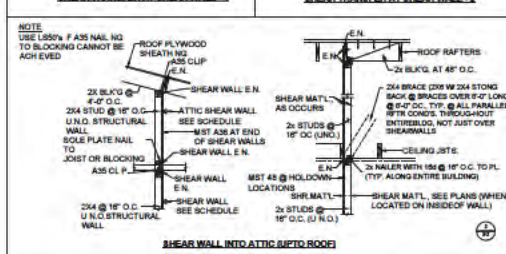
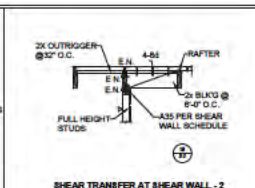
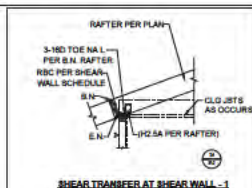
SHEET
TITLE:-
TYPICAL
FRAMING
DETAILS

DATE
03/03/2025

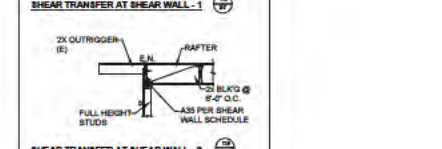
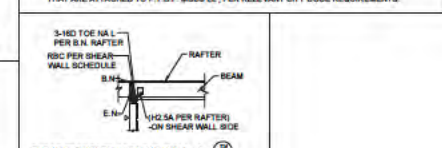
SCALE
AS SHOWN ON PLANS

SHEET
S3.2





- ANCHORS AND P.T.D.F. WOODS.**
1. ALL NON-SHEAR WALL S.L.S. SHALL BE ATTACHED TO THE FOUNDATION WITH A MINIMUM OF A SIMPSON 1/2\"/>



OWNER :-
RAJ KUMARI & DEVENDRA

DESIGNER :-
UNICORN STRUCTURES
PRINCIPAL
DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070

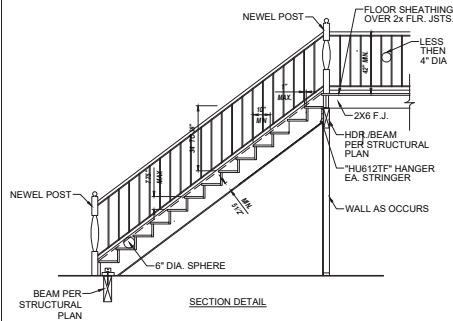
PROJECT :-
(ADDITION & REMODELING OF EXISTING HOUSE)
448 SAN BENITO AVE, LOS GATOS, CA 95030

SHEET TITLE:-
TYPICAL FRAMING DETAILS

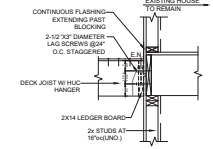
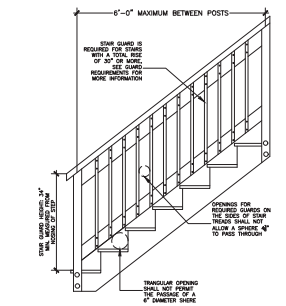
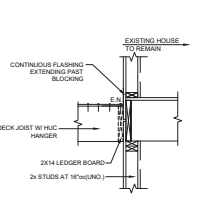
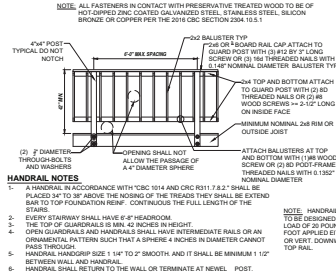
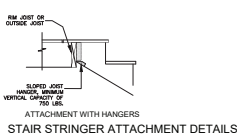
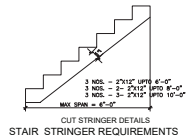
DATE
03/03/2025

SCALE
AS SHOWN ON PLANS

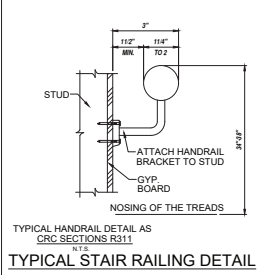
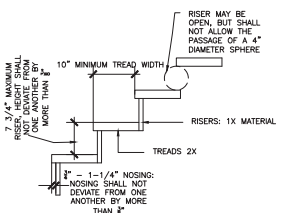
SHEET
S3



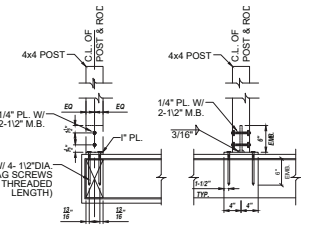
TYPICAL DETAIL OF STAIRS



1
S7

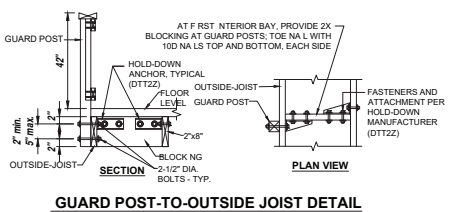


TYPICAL STAIR RAILING DETAIL

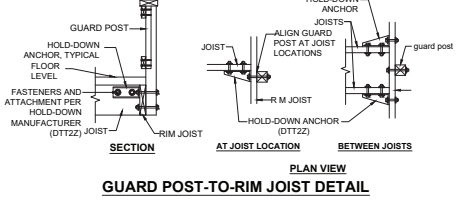


- STAIRS NOTES:**
- A HANDRAIL IN ACCORDANCE WITH CBC 1014 AND CRC R311.7.8.2 SHALL BE PLACED 34" TO 38" ABOVE THE NOSING OF THE TREADS THEY SHALL BE CONTINUOUS THE FULL LENGTH OF THE STAIRS.
 - EVERY STAIRWAY SHALL HAVE 6'-8" HEADROOM.
 - THE TOP OF GUARDRAILS IS MIN. 42 INCHES IN HEIGHT.
 - OPEN GUARDRAILS AND HANDRAILS SHALL HAVE INTERMEDIATE RAILS OR AN ORNAMENTAL PATTERN SUCH THAT A SPHERE 4 INCHES IN DIAMETER CANNOT PASS THROUGH.
 - HANDRAIL HANDGRIP SIZE 1 1/4" TO 2" SMOOTH AND IT SHALL BE MINIMUM 1 1/2" BETWEEN WALL AND HANDRAIL.
 - HANDRAIL SHALL RETURN TO THE WALL OR TERMINATE AT NEWEL POST.

2
S7



GUARD POST-TO-OUTSIDE JOIST DETAIL



GUARD POST-TO-RIM JOIST DETAIL

3
S7

OWNER :-
RAJ KUMARI & DEVENDRA

DESIGNER :-
UNICORN STRUCTURES
PRINCIPAL
DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070



REVISIONS	DESCRIPTION
NUMBER	DATE

PROJECT :-
(ADDITION & REMODELING OF EXISTING HOUSE)
446 SAN BENITO AVE, LOS GATOS, CA 95030

SHEET TITLE:-
STAIRCASE & RAILING DETAILS

DATE
03/03/2025

SCALE
NTS

SHEET
S7

GENERAL SITE PREPARATION AND GRADING

- PRIOR TO GRADING, THE PROPOSED BUILDING PAD AND DRIVEWAY, WITH A MINIMUM 10 FEET OFFSET, IF APPLICABLE, SHOULD BE CLEARED OF ALL OBSTRUCTIONS AND DELETERIOUS MATERIALS SUCH AS EXISTING FOUNDATION, ASPHALT, UTILITIES, PIPEL, SURFACE OR SUBSURFACE STRUCTURES, AND ORANGE TOP SOIL. THESE OBJECTS SHALL BE ACCURATELY LOCATED ON THE GRADING PLANS TO ASSIST THE FIELD ENGINEER IN ESTABLISHING PROPER CONTROL OVER THEIR REMOVAL OR RELOCATION.
- IT IS ESTIMATED THAT STRIPPING DEPTH OF ORGANIC TOP SOIL MAY BE AS THE ORDER OF 6 TO 10 INCHES AND UP TO 0.5 FEET FOR TREE ROOTS. THE FINAL DEPTH OF STRIPPING SHOULD BE VERIFIED BY P.L.A. IN THE FIELD. THE DISCONTINUOUSLY GRADING MATERIAL FROM THE STRIPPING SHOULD BE REMOVED FROM THE SITE OR TO USE AS FUTURE LANDSCAPING SOIL ONLY. ANY DEPRESSIONS LEFT BY THE REMOVAL OF OBSTRUCTIONS AND DELETERIOUS MATERIALS SHALL BE CLEARED OF ALL SOILS TO EXPOSE NATIVE SUBGRADE.
- FOLLOWING THE REMOVAL OF OBSTRUCTIONS AND DELETERIOUS MATERIALS, ANY LOOSE FILL MATERIAL OR WET SOIL IS ENCOUNTERED CHASTE IN AREAS THAT WILL OR MAY AFFECT THE PROPOSED STRUCTURES) SHOULD BE OVER-EXCAVATED. THE EXTENT OF THE OVER-EXCAVATION SHOULD BE DETERMINED BY P.L.A. ON SITE DURING GRADING.
- THE EXPOSED NATIVE COMPACT SOIL SHOULD THEN BE EXCAVATED TO PROPOSED GRADE. IF APPLICABLE, EQUIPPED IN THE UPPER 8 INCHES, AND BE WATERED OR AERATED AS NECESSARY TO BRING THE SOILS TO A MOISTURE CONTENT 2.0 PERCENT ABOVE THE OPTIMUM MOISTURE INCANT. THE SUBGRADE SHOULD THEN BE UNIFORMLY COMPACTED TO A MINIMUM DENSITY OF RELATIVE COMPACTION OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 LABORATORY TEST PROCEDURE AND TESTED BY P.L.A. IN THE FIELD FOR QUALITY CONTROL. FOR ASTM D1557.
- FOLLOWING THE NATURAL COMPACTION OF THE NATIVE SOIL, FILL, EITHER CLEAN NATIVE SOIL OR IMPORT SOIL, CAN BE USED TO ESTABLISH DESIRED GRADE. FOR CONCRETE SLAB ON GRADE, NATIVE EXPOSURE SOIL SHOULD BE EXCAVATED AND REPLACED WITH A MINIMUM 18 INCHES OF SANDY LOAM IMPORT. AS OUTLINED IN ITEM 15 BELOW, THIS FILL SHOULD BE PLACED IN LIFTS NOT EXCEEDING 4 TO 6 INCHES IN PLUFF THICKNESS. DEPENDENT ON COMPACTION EQUIPMENT, EACH LIFT SHOULD THEN BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 95 PERCENT. AT A MINIMUM CERTAIN MOISTURE CONTENT. EACH LAYER SHALL BE SPREAD EVENLY AND THOROUGHLY AND SHALL BE BLADE MIXED TO PROVIDE UNIFORMITY OF THE SOIL. IN EACH LAYER, COMPACTION OF EACH LAYER SHALL BE CONTINUOUS OVER THE ENTIRE FILL AREA AND CONTINUED UNTIL THE REQUIRED DENSITY IS OBTAINED. P.L.A. SHALL BE NOTIFIED TO TEST THE COMPACTED SOIL FOR QUALITY CONTROL AT EVERY 12 INCHES IN VERTICAL FILL.
- SHOULD SELECT IMPORT MATERIAL, BE USED TO ESTABLISH THE PROPER GRADING FOR THE PROPOSED DEVELOPMENT. THE IMPORT MATERIAL SHOULD BE FREE OF ORGANIC MATERIAL, BE HAVE A PLASTICITY INDEX BETWEEN FOUR (4) AND TWELVE (12); (2) BE NO MORE THAN 10% PASSING THE NO. 200 SIEVE, (3) NOT CONTAIN ROCKS OR LUMPS OVER 4 INCHES IN GREATEST DIMENSION. THE IMPORT FILL SHOULD BE APPROVED BY P.L.A. BEFORE IT IS TRANSPORTED TO THE SITE.
- AFTER GRADING IS COMPLETED AND THE FIELD ENGINEER HAS FINISHED HIS OBSERVATION OF THE GRADING WORK, NO FURTHER EXCAVATION OR FILL SHALL BE DONE EXCEPT WITH THE APPROVAL OF AND UNDER THE OBSERVATION OF THE FIELD ENGINEER.
- IT SHALL BE THE RESPONSIBILITY OF THE GRADING CONTRACTOR AND/OR THE GENERAL CONTRACTOR TO PREVENT EROSION OF THE PRELIMINARY GRADING AREAS DURING CONSTRUCTION AND UNTIL SUCH TIME AS PERMANENT DRAINAGE AND EROSION MEASURES HAVE BEEN INSTALLED.
- IN THE EVENT THAT ANY UNUSUAL CONDITION NOT COVERED BY THE SPECIAL PROVISIONS IS ENCOUNTERED DURING THE GRADING OPERATIONS, THE SOIL ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR FURTHER RECOMMENDATION.

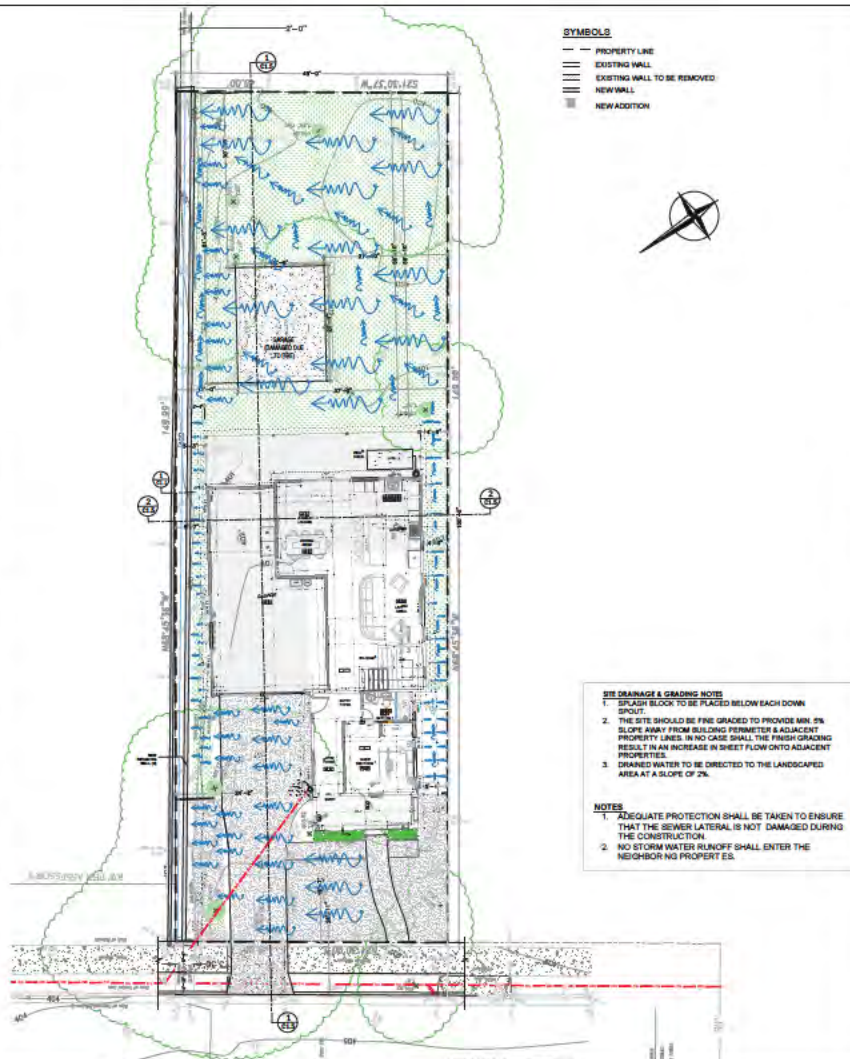
SLOPE

- IN GENERAL, ALL FILL SLOPES SHOULD NOT BE STEEPER THAN 3:1 (HORIZONTAL TO VERTICAL). CUT SLOPES IN STIFF NATURAL MATERIALS SHOULD NOT EXCEED 3:1.
- SHOULDFILL BE NEEDED ON A SLOPE, A SHEAR KEY MUST BE ESTABLISHED AT THE TOE OF ALL FILL SLOPES WHERE THE NATURAL HILL SLOPE EXCEEDS 6:1 HORIZONTAL VERTICAL. THE SHEAR KEY MUST BE AT LEAST 10 FEET IN WIDTH AND 3 FEET CUT INTO THE NATIVE STIFF MATERIAL. THE BOTTOM OF THE RETAINING STRUCTURE SHOULD BE SLOPED BACK INTO THE HILLSIDE AT A MINIMUM GRADIENT OF 6 PERCENT. THE LOCATION AND DEPTH OF THE RETAINING AND SUBGRADE SHOULD BE DETERMINED BY P.L.A. DURING GRADING OPERATIONS. SUBSEQUENT BENCHES SHOULD BE PLACED AT VERTICAL INTERVALS OF 3 FEET AND SHOULD EXTEND HORIZONTALLY INTO THE HILLSIDE WHERE STIFF MATERIAL IS EXPOSED. THE SHEAR KEY CAN BE REINFORCED BY A RETAINING WALL IS BUILT TO RETAIN THE FILL SOIL. BENCHES MUST STILL BE CONSTRUCTED.
- DURING THE GRADING OPERATIONS, FILL SLOPES MUST BE COMPACTED AND SHOULD BE OVER-CONSTRUCTED. AT THE COMPLETION OF GRADING OPERATIONS, THE EXCESS FILL OR LOOSE SOILS EXISTING ON THE SLOPES SHOULD BE CUT TO FIRM MATERIAL AND UNDER TO ADEQUATELY DESIGN SLOPE GRACE. TRACKING OF THE SLOPE SURFACE SHOULD ONLY BE UTILIZED TO SEAL THE SURFACE.
- BEFORE WORK IS STOPPED DUE TO HEAVY RAIN, A POSITIVE GRADIENT AWAY FROM SLOPES SHOULD BE PROVIDED TO CARRY SURFACE RUNOFF WATER AWAY FROM THE SLOPE AND TO AREAS WHERE EROSION CAN BE CONTROLLED. AFTER THE COMPLETION OF SLOPE GRADING, THE EXPOSED SLOPES SHOULD BE PLANTED WITH DEEP-ROOTED NATIVE PLANTS TO MANAGE EROSION. AFTER GRADING IS COMPLETED AND P.L.A. HAS FINISHED THE OBSERVATION OF THE WORK, NO FURTHER GRADING SHALL BE DONE UNLESS IT IS APPROVED BY P.L.A. SOME MINOR EROSION ON SLOPES SHOULD BE EXPECTED. THUS, PERIODIC MAINTENANCE IS REQUIRED.

GENERAL EXCAVATION OF NEW FOUNDATION AND/OR RETAINING WALL

- THE GENERAL CONTRACTOR SHOULD CAREFULLY IMPLEMENT THE SAFETY PLAN ACCORDING TO THE RECOMMENDATIONS OF CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (CAL OSHA). THE CONTRACTORS SHOULD BE RESPONSIBLE FOR THE STABILITY OF ALL TEMPORARY CUT SLOPES AND TRENCHES EXCAVATED AT THE SITE AND DESIGN AND CONSTRUCT OF ANY REQUIRED SHORING SYSTEM. UNDESIRABLE MATERIALS ENCOUNTERED ON THE SLOPES DURING THE EXCAVATION AND BACKFILL SHOULD BE REMOVED, EXCEPT IF THIS REQUIRES CUTTING THE SLOPE BACK AT FLATTER INCLINATIONS.
- IT IS RECOMMENDED THAT MONITOR POINTS SHOULD BE MAINTAINED ON THE SURROUNDING STRUCTURES PRIOR TO THE EXCAVATION. THESE MONITOR POINTS SHOULD BE MONITORED PERIODICALLY BY THE CONTRACTOR UNTIL NEW FOUNDATION/RETAINING WALL ARE BUILT TO ENSURE THAT THE SURROUNDING STRUCTURES ARE NOT AFFECTED BY THE CONSTRUCTION.
- BEFORE ANY MAJOR GRADING AND THE NEW FOOTING, OR WHERE NEW FOOTING IS DEEP ENOUGH TO BE COUNTED AS RETAINING WALL, CAN BE EXCAVATED, THE ADJACENT FOUNDATION SHOULD BE VERIFIED AND UNDERPINNED, AS NECESSARY, TO AT LEAST 18 INCHES BELOW THE BOTTOM OF THE PROPOSED EXCAVATION. IF REQUIRED, CONSTRUCTION IS TO BE PERFORMED. THEN UNDERPINNING OF THE ADJACENT FOUNDATION MAY NOT BE NECESSARY, NOR IS SHORING.
- AFTER UNDERPINNING, BEFORE ANY MAJOR EXCAVATION, TEMPORARY SHORING SYSTEMS OR DRUM CUT SLOPES CAN BE CONSTRUCTED AROUND THE EXCAVATED AREA FOR THE SAFETY OF THE CONSTRUCTION WORKERS AND FOR THE PROTECTION OF THE ADJACENT/NEARBY EXISTING STRUCTURES, IF NEEDED.
- IF THE LOCATION IS SUITABLE FOR A TEMPORARY OPEN CUT FOR THE PROPOSED EXCAVATION, THE LOWER 4.0 FEET OF EXCAVATION MAY BE VERTICALLY CUT. THE UPPER PART OF THE SLOPE MAY BE CUT BACK AT THE MAXIMUM ALLOWABLE SLOPE GRADIENT IS 1:1 (HORIZONTAL VERTICAL).
- IF THE LOCATION IS NOT SUITABLE FOR A TEMPORARY OPEN CUT FOR THE EXCAVATION, A TEMPORARY SHORING SYSTEM SHOULD BE DESIGNED BY THE GENERAL CONTRACTOR AND CAN BE ACTIVATED BY CONSTRUCTING SOLID PILES. THE PILES SHOULD HAVE A MINIMUM DIAMETER OF 18 INCHES AND A MINIMUM EMBEDMENT OF 50 FEET BELOW THE EXCAVATION SUBGRADE AND EQUALLY SPACED AT MAXIMUM 30 FEET DIAMETER APART. CENTER ON CENTER, 18 INCH REINFORCEMENT WILL BE DETERMINED BY THE STRUCTURAL ENGINEER. THESE SOLID PILES CAN BE FILLED WITH LEAN CONCRETE PER STRUCTURAL ENGINEER'S CALCULATION OR AS DESIGNED AS PERMANENT STRUCTURE.
- THE PILES SHOULD BE DESIGNED WITH AN ALLOWABLE BURN PROTECTION OF 300 P.S.F. AND TO RESIST A LATERAL EARTH PRESSURE OF 15 P.C.F. (EQUVALENT FLUID PRESSURE). RESISTANCE TO LATERAL FORCE MAY BE PROVIDED BY PASSIVE EARTH PRESSURES MOBILIZED ALONG THE PILE LENGTH 18 INCHES BELOW THE DEPTH OF THE EXCAVATION SUBGRADE. PASSIVE EARTH PRESSURES MAY BE COMPUTED AS AN EQUIVALENT FLUID WEIGHING 300 POUNDS PER CUBIC FOOT ACTING OVER 2 PER DIAMETERS FOR A MAXIMUM OF 3.000 P.S.F.
- IF THE ADJACENT BUILDING/FOOTING IS NOT UNDERPINNED, AN ADDITIONAL PRESSURE MAY APPLY AND SOILS. ONE-HALF OF THE SURCHARGED PRESSURE RESULTING FROM THE ADJACENT BUILDING/FOOTING STRUCTURES SHOULD BE ASSIGNED TO ACT AGAINST THE TOP OF THE SHORING.
- THE EXCAVATION FOR NEW FOOTINGS AND RETAINING WALL, WHERE APPLICABLE, MAY BE DONE IN SECTIONS PER GENERAL CONTRACTOR'S DISCRETION. THE SECTIONS SHOULD CONSIST OF 6 FEET MAXIMUM HORIZONTAL EXCAVATED SECTION WHILE ADJACENT 10 FEET SECTIONS REMAIN UNDISTURBED. ONCE THE EXCAVATED 6 FEET SECTION IS COMPLETED WITH SHORING, RETAINING WALL/NEW FOOTING AND CONCRETE HAS ACHIEVED MINIMUM 2,800 P.S.I. STRENGTH OR HIGHER, THE ADJACENT 6 FEET OR LESS CAN BE EXCAVATED. IF SECTION EXCAVATION IS DEFERRED, SHORING AND/OR UNDERPINNING MAY NOT BE NECESSARY.
- IT IS NOTED THAT P.L.A. SHOULD BE GIVEN THE CHARGE TO OVERSEE THE EXCAVATION PROCESS FOR SOIL AND STABILITY VERIFICATION. THE CONTRACTOR SHOULD PAY EXTRA ATTENTION TO THE MOVEMENTS OF ADJACENT BUILDINGS. IF MOVEMENT IS OBSERVED, THE EXCAVATION SHOULD STOP IMMEDIATELY AND SHORING AND/OR UNDERPINNING SHOULD BE INSTALLED AS SOON AS POSSIBLE.

GRADING & DRAINAGE PLAN
SCALE 1/8" = 1'-0"



OWNER :-
RAJ KUMARI
& DEVENDRA

DESIGNER :-
UNICORN STRUCTURES
PRINCIPAL
DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070



REVISIONS
DESCRIPTION
DATE
NUMBER

PROJECT :-
(ADDITION &
REMODELING OF
EXISTING HOUSE)
446 SAN BENITO
AVE, LOS GATOS,
CA 95030

SHEET
TITLE:-
GRADING &
DRAINAGE
PLAN 2

DATE
03/03/2025

SCALE
1/8"=1'-0"

SHEET
C1.2

CONDITIONS TO BE OBSERVED:

1. THE OWNER/APPLICANT SHALL ENSURE THAT BEST MANAGEMENT PRACTICES (BMPs) AS PER BMP SHEET ARE FOLLOWED TO PREVENT DISCHARGE OF SOIL OR ANY CONSTRUCTION MATERIAL INTO THE UTTER, STORM DRAIN SYSTEM, OR CREEK.
2. THE PROPERTY OWNER/APPLICANT SHALL APPLY FOR AND OBTAIN A TEMPORARY ENCROACHMENT PERMIT FROM THE PUBLIC WORKS DEPARTMENT FOR WORK IN THE CITY PUBLIC RIGHT-OF-WAY, EASEMENTS OR PROPERTY IN WHICH THE CITY HOLDS AN INTEREST, INCLUDING DRIVEWAY, SIDEWALK, SEWER CONNECTIONS, SEWER CLEAN-OUTS, CURB DRAINS OR STORM DRAIN CONNECTIONS OR PLACEMENT OF A DEBRIS BOX IN CITY RIGHT-OF-WAY.
3. FAILURE TO COMPLY WITH ANY PERMITS CONDITION ANY RESULT IN A 'STOP WORK ORDER' OR OTHER PENALTY.
4. ALL CONSTRUCTION AND RELATED ACTIVITIES WHICH REQUIRE A CITY PERMIT SHALL BE ALLOWED ONLY DURING THE HOURS OF 8:00 A.M. TO 5:00 P.M., MONDAY THROUGH FRIDAY AND 10:00 A.M. TO 5:00 P.M., SATURDAY. NO CONSTRUCTION ACTIVITY OR RELATED ACTIVITIES SHALL BE ALLOWED OUTSIDE OF THE AFOREMENTIONED HOURS OR NO SUNDAYS AND THE FOLLOWING HOLIDAYS: NEW YEAR'S DAY, PRESIDENT'S DAY, MEMORIAL DAY, 4TH OF JULY, LABOR DAY, THANKSGIVING DAY AND CHRISTMAS DAY. ALL GASOLINE POWERED CONSTRUCTION EQUIPMENT SHALL BE EQUIPPED WITH AN OPERATING MUFFLER OR BAFLING SYSTEM AS ORIGINALLY PROVIDED BY THE MANUFACTURER AND NO MODIFICATION TO THESE SYSTEM IS PERMITTED.
5. STREET, SIDEWALKS AND CURBS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY PROPERTY OWNER/APPLICANT. PHOTOGRAPHS OR VIDEO OF BEFORE CONDITION ARE RECOMMENDED.
6. STORM WATER SHALL BE DIRECTED ONSITE TO A VEGETATED AREA OR THE CITY STORM SYSTEM.

CONSTRUCTION ACTIVITY NOTES:

1. OBTAIN BUILDING PERMIT PRIOR TO START OF ANY WORK.
2. TO MINIMIZE IMPACT OF CONSTRUCTION ON NEIGHBORS, THE PROJECT SHALL:
 - A) SECURE CONSTRUCTION SITE WITH APPROPRIATE SAFETY MEASURES (FENCING AND LOCKS) AT ALL TIMES TO ENSURE SAFETY OF SITE AND NEIGHBORS.
 - B) MEASURES TO CONTROL NOISE BY LIMITING CONSTRUCTION HOURS TO THOSE ALLOWED BY THE SUNNYVALE MUNICIPAL CODE, AVOIDING SENSITIVE EARLY MORNING AND EVENING HOURS, AND APPROPRIATELY SCHEDULING USE OF NOISE-GENERATING EQUIPMENT.
 - C) USE 'QUIET' MODELS OF AIR COMPRESSORS AND OTHER STATIONARY NOISE SOURCES WHERE SUCH TECHNOLOGY EXISTS.
 - D) EQUIP ALL INTERNAL COMBUSTION ENGINE-DRIVEN EQUIPMENT WITH MUFFLERS, WHICH ARE IN GOOD CONDITION AND APPROPRIATE FOR THE EQUIPMENT.
 - E) LOCATE ALL STATIONARY NOISE-GENERATING EQUIPMENT, SUCH AS AIR COMPRESSORS AND PORTABLE POWER GENERATORS, AS FAR AWAY AS POSSIBLE FROM NEIGHBORING.
 - F) LOCATE STAGING AREAS AND CONSTRUCTION MATERIAL AREAS AS FAR AWAY AS POSSIBLE FROM NEIGHBORING RESIDENCES.
 - G) PROHIBIT UNNECESSARY IDLING OF INTERNAL COMBUSTION ENGINE-DRIVEN EQUIPMENT AND VEHICLES.
 - H) MANAGE CONSTRUCTION PARKING SO THAT NEIGHBORS ARE NOT IMPACTED BY CONSTRUCTION VEHICLES. WHEN THE SITE PERMITS, ALL CONSTRUCTION PARKING SHALL BE ON-SITE AND NOT ON THE PUBLIC STREETS.
 - I) DESIGNATE A 'DISTURBANCE COORDINATOR' WHO WOULD BE RESPONSIBLE FOR RESPONDING TO ANY LOCAL COMPLAINTS ABOUT CONSTRUCTION NOISE. THE DISTURBANCE COORDINATOR WILL DETERMINE THE CAUSE OF THE NOISE COMPLAINT AND WILL REQUIRE THAT REASONABLE MEASURES WARRANTED TO CORRECT THE PROBLEM BE IMPLEMENTED. CONSPICUOUSLY POST THE NAME AND TELEPHONE NUMBER OF THE DISTURBANCE COORDINATOR AT THE CONSTRUCTION SITE.
 - J) DELIVERY HOURS SHALL COMPLY WITH FREMONT MUNICIPAL CODE.
 - i) DELIVERY HOURS ARE LIMITED TO DAYTIME (PERIOD FROM 7:00 A.M. TO 10:00 P.M. DAILY) ONLY.
 - ii) NIGHT TIME DELIVERY (PERIOD FROM 10 P.M. TO 7:00 A.M. DAILY) IS PROHIBITED.

SYMBOLS

- PROPERTY LINE
- EXISTING WALL
- EXISTING WALL TO BE REMOVED
- NEW WALL
- NEW ADDITION



CONSTRUCTION OPERATION PLAN
SCALE 1/8" = 1'-0"

OWNER :-
RAJ KUMARI
& DEVENDRA

DESIGNER :-
UNICORN STRUCTURES
PRINCIPAL
DEVENDRA DESHWAL
20801, VERDE MOOR CT.
SARATOGA, CA - 95070



REVISIONS	
NUMBER	DESCRIPTION

PROJECT :-
(ADDITION &
REMODELING OF
EXISTING HOUSE)
446 SAN BENITO
AVE, LOS GATOS,
CA 95030

SHEET TITLE:-
CONSTRUCTION
OPERATION
PLAN

DATE
03/03/2025

SCALE
1/8"=1'-0"

SHEET
C1.3

EROSION CONTROL MEASURES SHALL CONFORM TO ASQA STANDARDS, TOWN STANDARDS AND THE APPROVAL OF THE TOWNS ENGINEERING DEPARTMENT.

4. ALL EROSION CONTROL MEASURES SHALL BE APPROVED BY EROSION CONTROL MEASURES INSPECTOR ON SITE. BY SEPTEMBER 15TH AND IN PLACE BY SEPTEMBER 18TH.

5. EROSION CONTROL SYSTEM SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION OF THE PROJECT OR UNTIL THE EROSION CONTROL MEASURES ARE REMOVED.

6. IN THE EVENT OF RAIN, ALL GRADING WORK IS TO CEASE IMMEDIATELY AND THE SITE IS TO BE RECLAIMED IN ACCORDANCE WITH THE APPROVED EROSION CONTROL MEASURES AND THE TOWNS ENGINEERING DEPARTMENT.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND REPAIRING EROSION CONTROL SYSTEMS AFTER EACH STORM.

8. ALL SLOPES PROTECTED BY AND DISTURBED AREAS BY EROSION CONTROL MEASURES SHALL BE PROTECTED BY ONE OF THE FOLLOWING MEASURES OR THE COMBINATION OF THEM: TEMPORARY SEEDING AND MULCHING, PERMANENT SEEDING AND MULCHING, EROSION CONTROL MATS, EROSION CONTROL BLANKETS, GEOTEXTILES, LOGS, FIBER ROLLS.

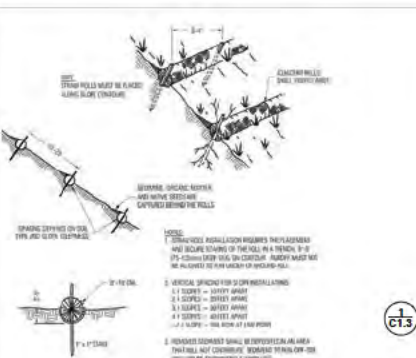
9. ANY AREAS OF DISTURBED SOIL SHALL BE SEED OR PLANTED TO THE SATISFACTION OF THE CITY ENGINEERING DEPARTMENT OR BUILT UP, OR FINAL RECLAMATION, WHICHEVER IS SOONER.

10. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS DETERMINED BY THE CITY ENGINEERING DEPARTMENT.

11. PROJECTS SHALL PREVENT ANY ACCUMULATION OR DEPOSIT OF DIRT, MUD, SAND, ROCKS, GRAVEL OR DEBRIS ON THE SURFACE OF ANY STREET, ALLEY OR PUBLIC PLACE OR IN ANY DRAINAGE STORM WATER SYSTEM.

FAILURE TO IMPLEMENT EROSION CONTROL MEASURES DURING PERIODS OF RAINFALL MAY RESULT IN A PROHIBITION OF ANY ADDITIONAL CONSTRUCTION DURING THE REMAINDER OF THE RAINY SEASON.

2. PREPARE THE SLOPE BEFORE BEGINNING INSTALLATION.
3. DIG SMALL TRENCHES ACROSS THE SLOPE ON THE CONTOUR.
4. LOCATE TRENCHES TO BE 10 TO 15 FEET APART. THE ROLL AND THE WIDTH SHOULD EQUAL THE ROLL DIAMETER, IN ORDER TO PROVIDE AREA TO BACKFILL THE TRENCH.
5. VERIFY THAT THE ROLL IS INSTALLED PERPENDICULAR TO WATER MOVEMENT, AND PARALLEL TO THE SLOPE CONTOUR.
6. START BY LAYING TRENCHES AND INSTALLING ROLLS FROM THE BOTTOM OF THE SLOPE AND WORK UP.
7. IT IS RECOMMENDED THAT PILOT HOLES BE DRIVEN THROUGH THE FIBER ROLL, USE A SHARP BIT TO DRILL HOLES THROUGH THE ROLL AND INTO THE SOIL FOR THE WOODEN STAKES.
8. TURN THE ENDS OF THE FIBER ROLL UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND.
9. STAKE FIBER ROLLS INTO THE TRENCH DRIVE STAKES AT THE END OF EACH FIBER ROLL.
10. IF THE FIBER ROLL IS NOT AROUND 10 FEET LONG, STAKE WITH A NORMAL CLASSIFICATION OF 0.75 BY 0.75 IN. AND MINIMUM LENGTH OF 24 IN.
11. MORE THAN ONE FIBER ROLL IS PLACED IN A ROW, THE ROLLS SHOULD BE OVERLAPPED.



EROSION CONTROL PLAN
SCALE 1/8" = 1'-0"



SYMBOLS

- — — PROPERTY LINE
 === EXISTING WALL
 === EXISTING WALL TO BE REMOVED
 === NEW WALL
 ■ NEW ADDITION

OWNER :-
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DESIGNER :-
UNICORN STRUCTURES
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SARATOGA, CA - 95070



REVISIONS		
NUMBER	DATE	DESCRIPTION

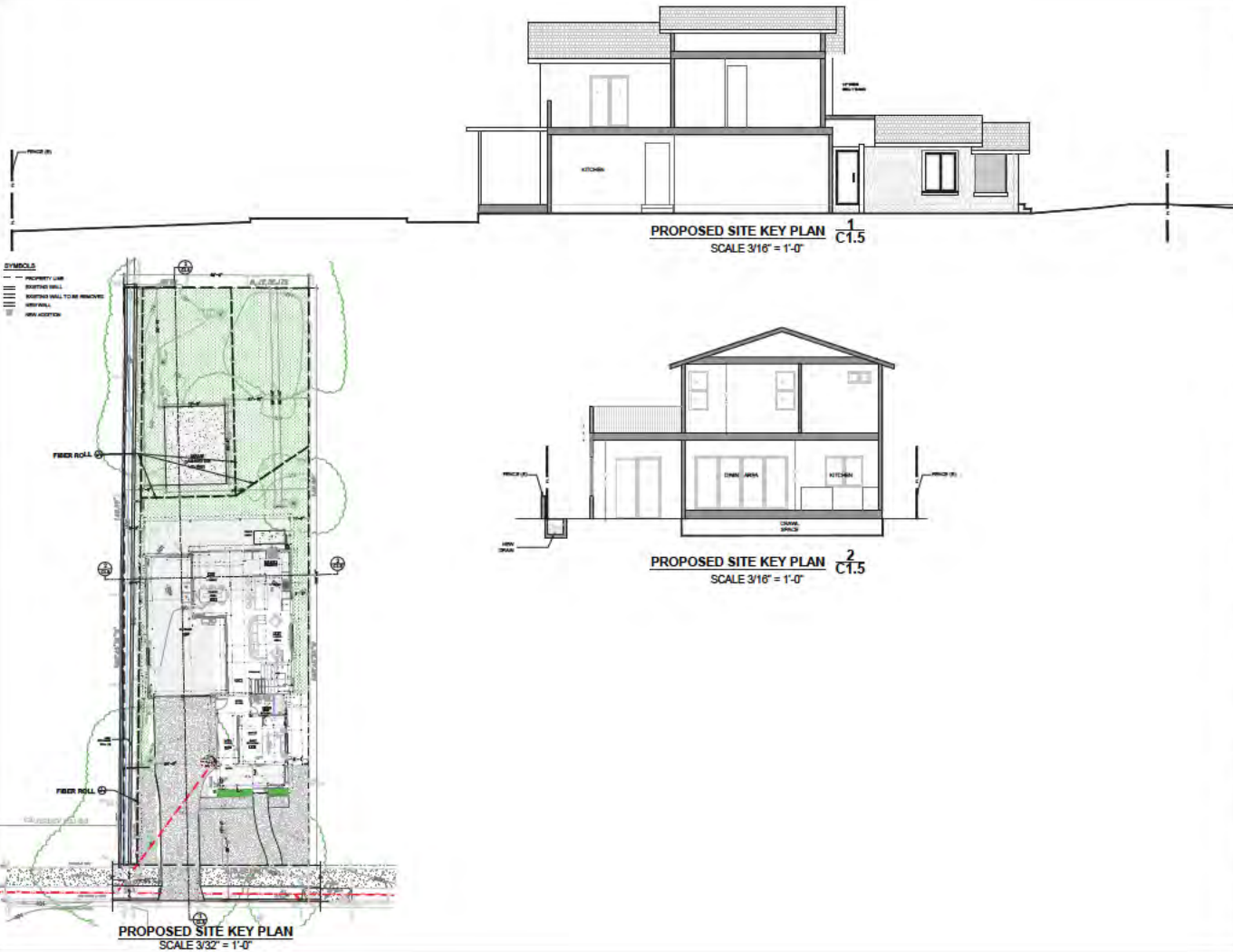
PROJECT:
(ADDITION &
REMODELING OF
EXISTING HOUSE)
**446 SAN BENITO
AVE, LOS GATOS
CA 95030**

SHEET
TITLE:-

DATE
03/03/2025

SCALE
1/8"=1'-0"

SHEET
C1.4



OWNER :-
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DEVENDRA DESHWAL
20801, VERDE MOOR CT.
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REVISIONS	DESCRIPTION	
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PROJECT :-
(ADDITION &
REMODELING OF
EXISTING HOUSE)
448 SAN BENITO
AVE, LOS GATOS,
CA 95030

SHEET
TITLE:-
PROPOSED
SITE
SECTION

DATE
03/03/2025
SCALE
AS SHOWN ON PLANS
SHEET
C1.5

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