



3430 Oakwood Ct, Morgan Hill
 CA 95037 650.933.8621
 annapurvisarchitecture.com

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**NEW HOME CONSTRUCTION
 TERRASAS RESIDENCE**

477 BONINO LN
 SAN MARTIN, CA 95046

In Association with:

DATE	DESCRIPTION
06/06/22	CLIENT REVIEW

**NOT FOR
 CONSTRUCTION**

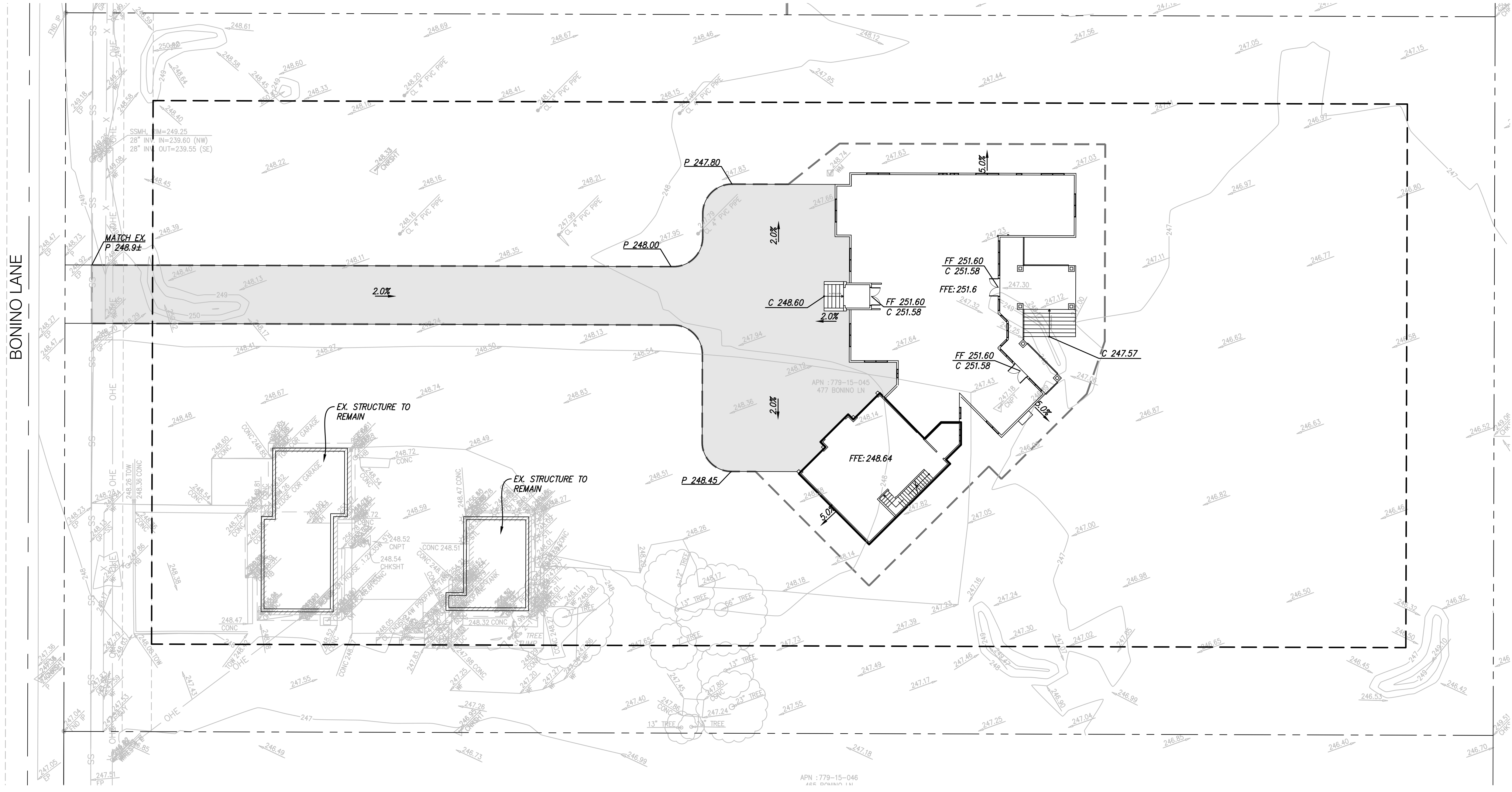
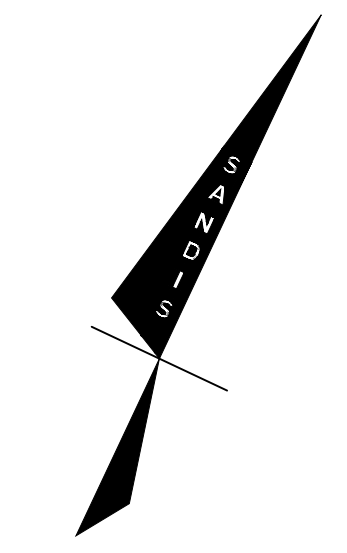
GRADING AND DRAINAGE PLAN

C1.00

PROJECT NO: 2022.201

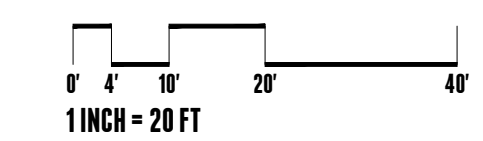
LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- GRADE BREAK
- CONTOURS
- AC PAVEMENT
- CONCRETE SIDEWALK
- PLANTING



GRADING QUANTITIES

	CUT (CY)	FILL (CY)
AC Access Road	341	0
Building Pad	0	44
Landscape	0	33
Total	341	77
NET	264	CY (CUT)
Max. Elevation Cut		2.4'
Max. Elevation Fill		1.6'








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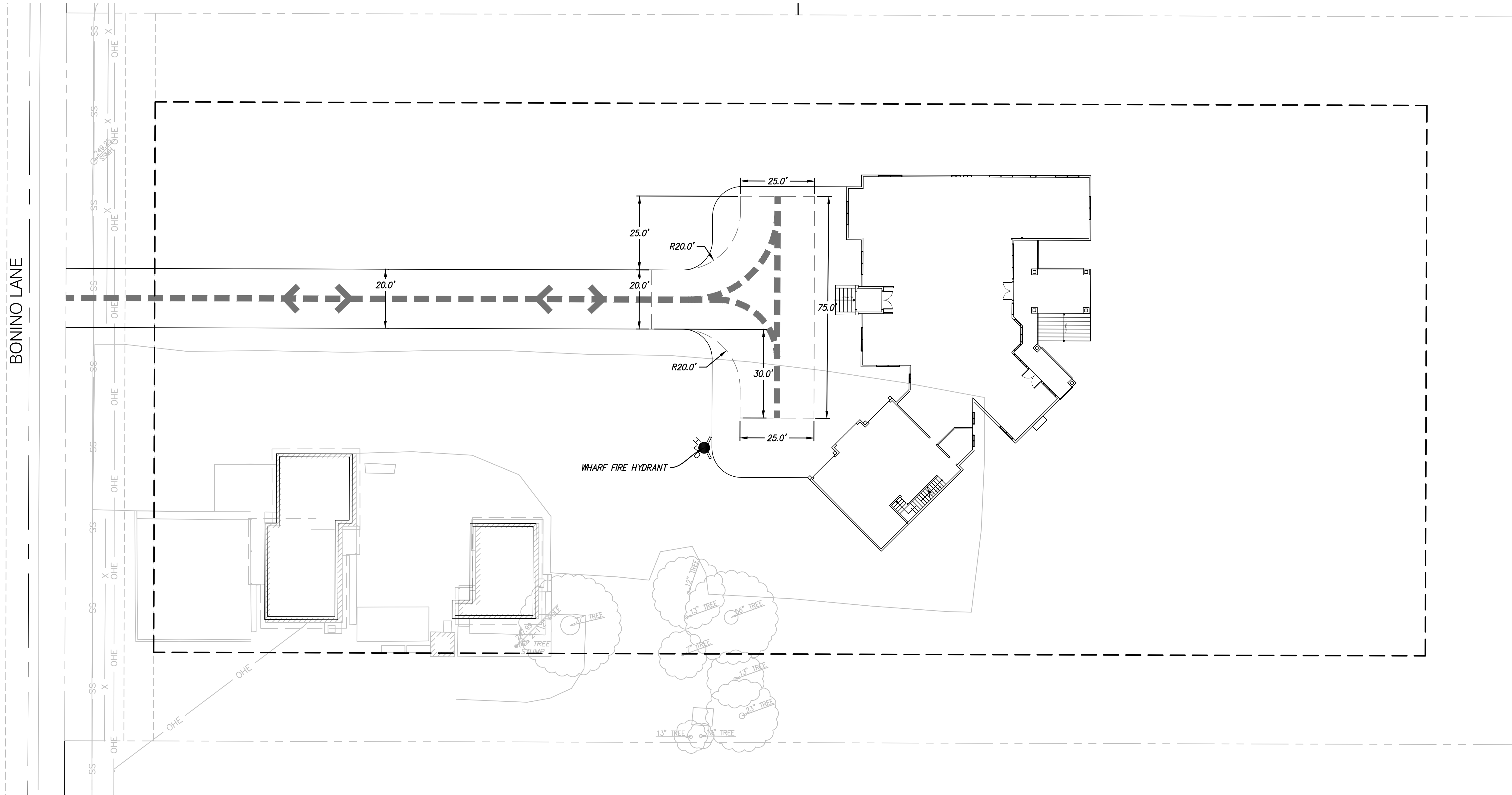
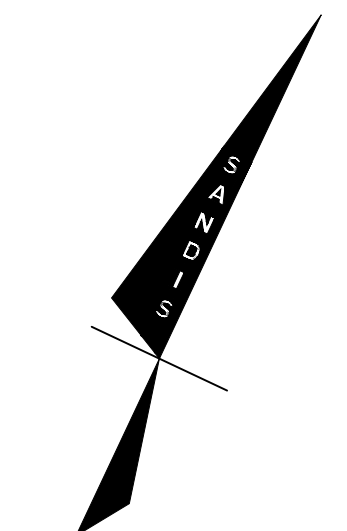
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LEGEND

-  PROPOSED FIRE HYDRANT
-  FIRE TRUCK TURN AROUND
-  FIRE ACCESS ROUTE



FIRE FLOW REQUIREMENTS

EXISTING STRUCTURE TYPE:	V-B
PROPOSED BUILDING CONSTRUCTION TYPE:	V-B
GROSS BUILDING FLOOR AREA:	7,242 SF
FULLY SPRINKLERED:	R-3 SPRINKLERED
REFERENCE FIRE FLOW:	2,250 GPM (CFC TABLE B105.1(2))
% OF REF. FIRE FLOW REQUIRED:	50% (CFC TABLE B105.2)
REQUIRED FIRE FLOW:	1,125 GPM
REQUIRED FIRE FLOW DURATION:	1 HR (CFC TABLE B105.1(2) & B105.2)
REQUIRED NUMBER OF HYDRANTS:	1 (CFC TABLE C102.1)
AVERAGE HYDRANT SPACING:	500 FT (CFC TABLE C102.1)

- NOTES:**
- VALUES LISTED PER 2019 CALIFORNIA FIRE CODE APPENDIX B AND C.

FIRE PROTECTION NOTES

- FIRE APPARATUS ROADWAYS, INCLUDING PUBLIC OR PRIVATE STREETS OR ROADS USED FOR VEHICLE ACCESS SHALL BE INSTALLED AND IN SERVICE PRIOR TO CONSTRUCTION.
- FIRE PROTECTION WATER SHALL BE PROVIDED AS SOON AS COMBUSTIBLE MATERIAL ARRIVES ON SITE.
- PRIOR TO COMBUSTIBLE MATERIAL ARRIVING ON THE SITE, CONTACT THE SANTA CLARA COUNTY FIRE DEPARTMENT TO SCHEDULE AN INSPECTION OF ROADWAYS AND FIRE HYDRANTS. CFC 2019.
- PROPOSED FIRE ACCESS ROAD WILL BE DESIGNED TO HAVE A BEARING CAPACITY TO SUPPORT THE IMPOSED LOAD OF FIRE APPARATUS FOR WEIGHING AT LEAST 75,000 POUNDS.
- WATER TANK SIZE TO MEET REQUIREMENTS PER TABLE 1.B IN CMFO-WI.

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FIRE ACCESS PLAN

C2.00

