Athena Consulting P.O. Box 19714 San Diego, CA 92119

October 4, 2022

Dominic Fieri, Fire Marshal North County Fire Protection District 330 S. Main Avenue Fallbrook, CA 92028 (760) 723-2040

Subject:Fire Protection Plan – Letter Report
Passerelle, Record ID: PDS2021-SPA-21-001, APN: 108-120-61-00 and
108-120-62-00
Location: Horse Ranch Creek Road within the Fallbrook Community
Planning Area within unincorporated San Diego County

Dear Mr. Fieri:

This Fire Protection Plan (FPP) Letter Report is submitted pursuant to the County Fire Code and County Consolidated Fire Code, to address the adverse environmental effects that a proposed project may have from wildland fire and to provide mitigation of those impacts to ensure that the project does not expose people or structures to a significant risk of loss, injury or death involving wildland fires.

This report is also submitted in response to a request from the County of San Diego Planning and Development Services for a *Fire Protection Plan – Letter Report* and is submitted as an evaluation, pursuant to Chapter 49 of the County Consolidated Fire Code, of the potential environmental effects that the proposed project may have from wildland fire. The conclusions herein represent mitigation of those impacts to ensure that the above-referenced project does not unnecessarily expose people or structures to a significant risk of loss, injury or death involving wildland fires.

PROJECT DESCRIPTION

The proposed Passerelle Project (Project) is a General Plan Amendment, Specific Plan Amendment, Site Plan, and Tentative Map to convert approximately 518,000 square feet of Professional Office designated land to 138 single-family dwelling units. This would include walkways, streets, modular wetlands, tot lots and landscape areas. Each unit would consist of a two-car garage. An additional 69 on-street parking spaces would be provided for a total of 345 parking spaces. A total of three tot lots would be provided as well. The 11.9-acres Project site (Site) is located in the community of Fallbrook near the corner of Horse Ranch Creek Road and Friesian Way (**Figures 1 & 2**). The Site encompasses two adjacent parcels, Parcel 1 and Parcel 2, which are part of the approved Campus Park Specific 17 44 Plan (**Figure 3**). Parcel 1, located on Assessor's Parcel Number (APN) 108-

120-62, is comprised of 3.02 acres and Parcel 2, located on APN 108-120-61, is comprised of 8.94 acres and were both originally designated for professional office (PO-1 and PO-2) uses in the Campus Park Specific Plan. The Site would consist of 138 single-family residential units, 345 parking spaces, three tot lots, landscaping, drop-off areas and access driveways. Access to Parcel 1 would be provided via one access point along Messara Street, and access to Parcel 2 would be provided via one access point along Friesian Way and a secondary access along Horse Ranch Creek Road. The on-site access driveway for Parcel 1 would be 30 feet. The on-site access driveway for Parcel 2 would be 30 feet wide at Horse Ranch Creek Road.

The Project proposes 24 three-bedroom units and 114 four-bedroom units. A total of 35 single-family units, 70 garage parking spaces, and 17 guest parking spaces would be provided on Parcel 1. A total of 103 residential units, 206 garage parking spaces, and 52 guest parking spaces would be provided on the larger Parcel 2. The proposed residential development would consist of four different floor plan types. Table 1 below summarizes the square footage for each plan type, and **Figure 4** details the location on-site.

Building	Component(s)	Floor(s)	Size/Quantity (square feet/units)
Plan 1	3 bedrooms, 2.5	2	1,915 sq. ft. / 24
	bathrooms, loft and 2		units
	car garage.		
Plan 2	4 bedrooms, 2.5	2	2,020 sq. ft. / 30
	bathrooms, loft and 2		units
	car garage.		
Plan 3	4 bedrooms, 3	3	2,125 sq. ft. / 42
	bathrooms, loft and 2		units
	car garage.		
Plan 3	4 bedrooms, 3	3	2,230 sq. ft. / 42
	bathrooms, loft and 2		units
	car garage.		
Guest Parking	69 on-street parking	N/A	69 stalls
	stalls.		

Table 1
Passerelle Building and Parking Summary

Additionally, storm water drainage in Parcel 1 would be picked up in a curb opening catch basin on the southeast corner of the site, then treated by a modular wetland or other proprietary device per water quality requirements, then stored in an underground tank system and released at a hydromodification-approved rate into the existing storm drain stub at the southeast corner of the site. Storm water drainage on Parcel 2 would be picked up in four curb opening catch basin placed at the downstream edge of the proposed driveways, then treated by two modular wetlands or other proprietary device(s) per water quality requirements, then stored in an underground tank system and released at a hydromodification-approved rate into the existing storm drain stub at the southeast corner

of the site. There is also a proposed tree well at the entrance of the site to treat storm water from the entrance drive on Friesian Way. No off-site streets or widening of existing streets are proposed. No off-site drainage / storm-water facilities are proposed.

ENVIRONMENTAL SETTING

Location

The property is located in the community of Fallbrook near the corner of Horse Ranch Creek Road and Friesian Way, San Diego County, California (**Figures 1 & 2**). Friesian Way bisects Parcel 1 and Parcel 2. The Site includes approximately 11.96 acres of vacant land located within an unsectioned portion of the Monserate Land Grant, Township 9 South, Range 3 West, on the 2015 Bonsall, California, 7.5-minute U.S. Geological Survey (USGS) quadrangle.

The proposed development would support the existing Campus Park development adjacent to the Site. The project area is currently graded and vacant.

Parcel 1 is bound to the west by Horse Ranch Creek Road, to the east by Messara Street and to the south by Friesian Way. An HOA recreational facility (P-3), common area open space (OS-7) and an open space preserve (OS-3) with a previously established 125' fuel management zone bordering Parcel 1 to the north. Single family residences (R-4 and R-5) border Parcel 1 to the east and northeast. R-4 and R-5 are further surrounded by common area open space and open space preserves. Parks (P-1 and P-6) are dispersed within R-4 and R-5. Further east, across I-15 are semi-rural residential land uses (SR-2).

Parcel 2 is bound to the north by Friesian Way and to the west by Horse Ranch Creek Road. To the east and southeast of Parcel 2 are single family residences (R-1, R-2 and R-3). The construction of these homes is complete or near completion. A parcel designated for a sports complex (SC-1) is located directly to the south, and further south of Parcel 2 is an area designated for a Town Center (TC-1). Multi-family residences (MF-1 and MF-2) to the southeast have been constructed as part of the existing development. Throughout R-1, R-2 and R-3 are designated park areas (P-2, P-5, P-7 and P-8). The Palomar College North Education Center is located further south of Parcel 2.

The project area is served by the North County Fire Protection District. The closest fire station is North County Fire Protection District Station #4 and is located at 4375 Pala Mesa Drive, Fallbrook, CA 92028, approximately 2.5 miles from the Site. The expected emergency travel time to the Site is approximately 4.9 minutes. The North County Fire Protection District fuelbreak requirements are attached to this letter (Attachment 1) in the County Fire Availability Form, while conditions will later be submitted by the District.

Topography and Geology

Parcel 1 is predominantly flat, with elevations ranging from 370-375 feet amsl in a northerly direction. Landscaped slopes on its southern and western sides slope down to 355 feet amsl. Parcel 2 is also predominantly flat, sloping gently upward from 360-370 feet amsl in a northeasterly direction, with landscaped slopes on the northeast sloping up to 395 feet amsl, and landscaped slopes sloping down to 355 feet amsl on the western and northwestern sides.

According to the USDA Web Soil Survey, Parcel 1 is entirely comprised of Wyman Loam (5 to 9 percent slopes). Parcel 2 is primarily comprised of Wyman loam (5 to 9 percent slopes), and Wyman loam (2 to 5 percent slopes) in the southeast portion of the parcel. The Wyman series consists of deep, well drained soils that formed in alluvium from andesitic and basaltic rocks. Wyman soils are on nearly level to strongly sloping terraces and alluvial fans and have slopes of 0 to 15 percent. The mean annual precipitation is about 12 inches and the mean annual air temperature is about 62 degrees F (National Cooperative Soil Survey, USDA, U.S.A.).

Flammable Vegetation

Flammable vegetation is not present on-site due to it previously being mass-graded as part of the larger Campus Park Project.

The entire Site will be developed and landscaped, with landscaping consisting primarily of drought tolerant, irrigated ornamentals. Landscaping species are consistent with the San Diego County Landscape Ordinance and the Water Efficient Landscape Design Manual. No plants are included that appear on the "Undesirable Plants List" maintained by the County as part of the recommendations for defensible space.

The Site is surrounded by predominantly developed lands with the exception of the offsite area northwest of Parcel 1 where fuel management activity is in place. The closest flammable vegetation that poses a threat to the Site in this area is located over 125 feet northwest of the closest proposed on-site structure. The existing and proposed areas within the 125 feet includes existing fuel modification zones established from the surrounding development, comprised of 50 feet of drought tolerant and irrigated ornamental landscaping, and an additional 75 feet of non-irrigated low volume, fire resistive, drought tolerant, and low profile ground cover.

Climate

The Site falls within a semi-arid inland climate with average San Diego precipitation. It is subject to Santa Ana wind events that generally exhibit strong, hot, and dry conditions with very low relative humidity. Although these desert-borne winds may occur at any time of year, they are most likely to occur during the late fall months (September through November). The prevailing summer season wind pattern is from the southwest with winds that are lower in velocity and generally have higher relative humidity. During the summer months, higher velocity winds with lower relative humidity may occur. Winds from other

directions (northwest, south and west) may occasionally be gusty and strong; however, these winds are most likely to contain cooler moist air with a higher relative humidity.

PROJECT EXPOSURE TO WILDLAND FIRES

1. Water Supply

The project would be served by the Rainbow Municipal Water District for both imported water and wastewater disposal.

There are nine (9) existing fire hydrants in the vicinity of the Site located on the south side of Friesian Way, east side of Messara Street, and west side of Horse Ranch Creek Road (**Figure 4**). Two fire hydrants are located east of Parcel 1 on the east side of Messara Street. Four hydrants are located north of Parcel 2 on the south side of Friesian Way. Three hydrants are located on the west of Parcel 2 on the west side of Horse Ranch Creek Road.

There are a total of ten (10) fire hydrants proposed on-site (**Figure 4**). Three (3) are located on Parcel 1, and seven (7) are located on Parcel 2. All proposed hydrants are located along Street "A", which serves as the primary road for both parcels, except for one hydrant on Parcel 2.

On Parcel 1, the first proposed hydrant is located on the western portion of the site, in the inner side of the Street "A". The second is located in the northern portion of the site, on the eastern side of the alley entrance. The third hydrant is located on the east portion of the site, in the inner side of Street "A".

On Parcel 2, the fourth proposed hydrant is located in the northwest inner corner of Street "A". The fifth is in the north portion of the site, in the inner side of Street "A". The sixth is located near the northeast inner corner of Street "A". The seventh hydrant is in the lower east portion of the site, in the inner side of Street "A". The eighth is located near the southwest inner corner of Street "A". The ninth hydrant is in the west portion of the site, in the inner side of Street "A". The tenth is in the middle of Street "B", on the west side of the street.

The water pressure for each hydrant will meet the 2,500 gallons per minute (gpm) water pressure required for a two hour duration at 20 PSI.

2. Fire Access Roads

Access to Parcel 1 would be provided via one access point along Messara Street. The onsite access driveway for Parcel 1 would be 30 feet and shall be constructed of materials able to support the weight of the fire apparatus (minimum of 75,000 lbs), consistent with the San Diego Consolidated Fire Code. This driveway would provide access to Street "A" which would circle the parcel and allow primary access to each unit. Street "A" would have a width of 32 feet. A 26-foot wide alley would provide additional access to four of the inner circle units from Street "A" (**Figure 4**).

Access to Parcel 2 would be provided via one access point along Friesian Way, and a secondary access along Horse Ranch Creek Road. The on-site access driveways for Parcel 2 would be 30 feet wide at Friesian Way and 26 feet wide at Horse Ranch Creek Road. These two access point driveways shall be constructed of materials able to support the weight of the fire apparatus (minimum of 75,000 lbs), consistent with the San Diego Consolidated Fire Code. The main driveway located off of Friesian Way would provide access to Street "A" which circles the entire outer circle of units. Street "A" would be approximately 32 feet wide throughout the site. Streets "B" and "C" and an alley would be 26 feet wide and run parallel to one another. These streets and the alley provide additional access to the inner circle of units from Street "A" (**Figure 4**).

Minimum vertical clearance of 13 feet 6 inches will be maintained for the entire required width of fire access roads. The fire access roadways are AC pavement. Numbers and addresses shall be placed on new buildings as to be plainly visible and legible from the street or roadway fronting the property from either direction of approach. A monument sign for the development shall also be placed at the Site's entrances. No onsite fire apparatus access roadway grade exceeds 15%. The Site is flat from being previously graded.

The fire apparatus access roads shall be posted with approved signs and have red curbs with white stenciling indicating the presence of the Fire Lane / No Parking (except in designated parking stalls) that are plainly visible from a vehicle. Posting, signs and curbs shall be in conformance with Section 22500.1 of the California Vehicle Code and be maintained in perpetuity. The roads widths will meet the 24 feet wide emergency traffic requirement and be unobstructed for emergency access. See Figure 5 for details regarding parking and areas in between residential parking that can accommodate fire equipment.

The fire apparatus access roads shall have a paved driving surface prior to brining any combustible building products onsite.

The fire apparatus access road shall be maintained in perpetuity.

3. Setback from Property Lines

The developed "footprint" of the project is cleared of all vegetation, and shall consist of paved driveways, parking areas, buildings and irrigated landscaping. The Site's County of San Diego setback designation is V, which means that setbacks will be established during site plan review. The proposed structure setbacks would be a minimum of 8' from the rear, 3' from the garage to the street, 6' on the front yard, and 3' on side yard. Building setbacks from the outer property rings ranges from 8' to 77'. Figure 4 details the setbacks for the structures.

4. Building Construction, Fire-resistance and Ignition

All structures are to be constructed per the ignition resistive standards of Chapter 7A of the County Building Code.

Fire alarm systems shall be provided for all units as required by the County Fire Code.

5. Fire Protection Systems and Equipment

A Fire Alarm and Smoke Detection System will be installed in accordance with NFPA 72 standards and will include, but not be limited to, visual / audible alarms, a Master Control Unit and Zoned / Annunciated alarms.

6. Defensible Space

Fuel management zones (FMZs), in accordance with the County of San Diego Fire Code, shall be provided by the Project (**Figure 4**). A minimum 100-foot Fuel Management Zone will be established and maintained around all structures over 250 square feet in size. No off-site clearing is required or authorized. A 100' off-site fuel modification zone is already established from the surrounding development; therefore, no off-site fuel management easements are required. The residential units will utilize approved building materials and/or windows to withstand direct exposure to heat/fire. Exact specifications of materials will be determined at the final plan check.

Development will include landscaping throughout the Site. Site landscaping will consist primarily of drought tolerant, irrigated ornamentals. Landscaping species are consistent with the San Diego County Landscape Ordinance and the Water Efficient Landscape Design Manual. No plants are included that appear on the "Undesirable Plants List" maintained by the County as part of the recommendations for defensible space.

7. Vegetation Management and General Fuel Management Zone Requirements

Prescribed Defensible Space (fuel management zones) will be maintained by the property owners at least annually or more often as needed. Boundaries of fuel management zones will be clearly and permanently marked. Plants used in the Defensible Space will be from an approved fire resistant planting materials list that is maintained by County of San Diego, Department of Planning and Land Use. On-going maintenance of the vegetation will be the responsibility of the property owner. This includes maintenance of the irrigation system, mowing and landscape trimming.

Fuel Management Zone 1

Fuel Management Zone 1 comprises the first defensible space surrounding a building and has a minimum width of 5 feet. This zone shall be constructed of continuous hardscape or limited fire-resistant plantings acceptable to the FAHJ. Vegetation in this zone shall not exceed 6" to 18" in height and irrigation is required. Removal of combustible materials

surrounding the exterior wall area and maintaining area free of combustible materials. The use of mulch and other combustible materials shall be prohibited.

Fuel Management Zone 2

Fuel Management Zone 2 (irrigated zone) extends from Zone 1 outward for an additional 45 feet to the maximum depth of 50 feet from the building footprint The zone shall consist of planting low growth, drought tolerant and fire resistive plant species. The height of the plants in this zone starts as 6" adjacent to Zone 1 and extending in a linear fashion up to a maximum of 18" at intersection with Zone 3. Vegetation in this zone shall be irrigated and not exceed 10' in height and shall be moderate in nature. Trees shall not exceed 30' in height and be limited or as approved by the FAHJ. Firewood inside this zone shall be piled a minimum of 30' away from all buildings and structures. Cords of firewood shall also be maintained at least 10' from property lines and not stacked under tree canopies drip lines.

Fuel Management Zone 3

Fuel Management Zone 3 (thinning zone) extends from Zone 2 outward for an additional 50 feet to the maximum depth of 100 feet from the building footprint. This zone consists of planting of drought tolerant and fire resistive plant species of moderate height. Brush and plants shall be limbed up off the ground, so the lowest branches are 1/3 height of bush/tree/plant or up to 6' off the ground on mature trees. This area would be considered selective clearing of natural vegetation and dense chaparral by removing a minimum 50% of the square footage of this area.

8. Fire Behavior Computer Modeling

Based on preliminary evaluation by the County Deputy Fire Marshal, computer fire behavior modeling is not required for this Fire Protection Plan – Letter Report.

9. Attachment

A site plan of proposed project with site-specific fire protection measures and design details is attached to this report (**Figure 4**).

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Name of Person Preparing this Report

ocl ٩ Signature

10/12/22 Date

LEDY LEVINE Printed Name

PEIDCUPAL Title

Name of Property Owner

Signature conor

Monty Mccullough Printed Name

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10/12/2022 Date

Date

Manager Title

Figures	Figure 1	Regional Map
	Figure 2 Figure 3	Vicinity Map Aerial Map
	Figure 4 Figure 5	Fuel Management Areas and Fire Hydrant Locations Parking Exhibit

Attachments Attachment 1 Fire Availability Form





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⊐ Miles

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FIGURE

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Athena | Fuel Management Areas and Fire Hydrant Locations

Consulting PASSERELLE





Source: Google Earth Aerial, August 2021 October 2022



D:\GIS\Project_Data\Campus_Park_Passerelle_1804\Final_Maps\FPP_Oct2022\FPP_Oct2022.aprx



\mathbf{L}	138 units	
4	42 units	
3	42 units	
2	30 units	
1	24 UNITS	





Source: Bucilla Group Architecture (9/14/22) October 2022

ATTACHMENT 1

Passerelle FPP Letter Report



County of San Diego, Planning & Development Services **PROJECT FACILITY AVAILABILITY - FIRE** *ZONING DIVISION*

Please type or use pen				
Besserelle LLC 858-756-0700 Ext 23	ORG			
Passelelle, LLC Council Alama	ACCT			
	ACT			
10531 4S Commons Drive, Suite #700				
Owners Malling Address Street	AMT \$			
San Diego, CA 92127	DATE			
City State Zip	DISTRICT CASHIER'S USE ONLY			
SECTION 1. PROJECT DESCRIPTION	TO BE COMPLETED BY APPLICANT			
A. Major Subdivision (TM) Specific Plan or Specific Plan Amendment Minor Subdivision (TPM) Certificate of Compliance:	Assessor's Parcel Number(s) (Add extra if necessary)			
Boundary Adjustment Rezone (Reclassification) fromtozone.	108-120-61			
Major Use Permit (MUP), purpose: Time ExtensionCase No	108-120-62			
Expired MapCase No Other				
B. X Residential Total number of dwelling units <u>138</u>				
Industrial Gross floor area Other	Thomas Guide, Page Grid			
C. Total Project acreage 29 Total lots 5 Smallest proposed lot 1.42 ac	Horse Ranch Creek Road			
	Project address Street			
	Fallbrook, CA 92028 Community Planning Area/Subregion Zip			
OVER DAVID AND ADDEED TO COMPLETE ALL CONDITIONS DECLIPED BY				
OWNER APPLICANT AGREES TO COMPLETE ALL CONDITIONS RECORD BT	Le la			
Applicant's Signature:	Date:			
Address: 2442 Second Averlue, San Diego, CA 92101	Phone: 619-232-9200			
(On completion of above, present to the district that provides fire	TO DE COMPLETED DV DICTRICT			
SECTION 2: FACILITY AVAILABILITY	TO BE COMPLETED BY DISTRICT			
District Name: NORTH COUNTY FIRE PROVELATED	1/1511/2/09			
Indicate the location and distance of the primary fire station that will serve the propose	a project:			
 A. Project is in the District and eligible for service. Project is not in the District but is within its Sphere of Influence boundary, owner must apply for annexation. Project is not in the District and not within its Sphere of Influence boundary. Project is not located entirely within the District and a potential boundary issue exists with the				
C. District conditions are attached. Number of sheets attached.				
District will submit conditions at a later date.				
SECTION 3. FUELBREAK REQUIREMENTS				
Note: The fuelbreak requirements prescribed by the fire district for the proposed project do not authorize any clearing prior to project approval by Planning & Development Services.				
Within the proposed project				
This Project Facility Availability Form is valid until final discretionary action is taken pursuant to the application for the proposed project or until it is withdrawn, unless a sharter expiration date is otherwise noted.				
Automore Simpling Print Name and Title Phone Use				
On completion of Section 2 and 3 by the District, applicant is to submit this form with application to: Planning & Development Services - Zoning Counter, 5510 Overland Ave, Suite 110, San Diego, CA 92123				
PDS-399F (Rev. 09/21/2012)				