



December 14, 2018

Amanda Musy-Verdel
Hanna-Brunetti
7651 Egleberry Street
Gilroy, CA 95020

Subject: Review of San Martin RV Park Noise Barriers

Dear Ms. Musy-Verdel:

On March 13, 2017, j.c. brennan & associates, Inc. provided an Environmental Noise Assessment for the Santa Clara County RV Park (San Martin RV Park). The results of the analysis indicated the following:

- Although, the Santa Clara County General Plan Noise Element does not specifically provide acceptable noise level criteria for RV Parks, they may apply noise level criteria similar to Residential or Hotel uses. The nearest RV space is located 155-feet from the Monterey Road centerline. The predicted Monterey Road exterior traffic noise level is 63 dBA Ldn at the nearest RV space, and would be compatible with the "Cautionary" 65 dBA Ldn exterior noise level standard for residential or hotel uses. A typical exterior to interior noise level reduction is expected to be 20 dBA, therefore, the interior noise levels would be approximately 43 dBA Ldn and would comply with the interior noise level standard of 45 dBA Ldn.
- It is recommended that a sound wall 6-feet in height is constructed along the southwest property line and adjacent to the existing residences, as shown in Figure 2. Appendix D shows the results of the barrier analysis.

Since our report has been submitted, it is our understanding that the County wishes to include a sound wall along Monterey Road, and also is requesting that the proposed sound walls will provide adequate noise reduction.

Monterey Road Barrier

j.c. brennan & associates, Inc. has reviewed the Monterey Road barrier configuration and construction. The barrier is either a combination of a 3-foot tall berm with a 3-foot tall "smooth stone" barrier on top of the berm (total 6-feet), or a 6-foot tall smooth stone

barrier. The barrier returns approximately 50-feet at the north and south ends of the project site. The smooth stone barrier is a pre-cast concrete panel system with pilasters at 5-foot intervals. j.c. brennan & associates, Inc. conducted a barrier analysis and determined that the overall Monterey Road traffic noise levels at the nearest RV Park site would be 55 dB Ldn, and would comply with the 55 dB Ldn standard for residential uses. Interior noise levels are expected to be less than 45 dB Ldn.

Southwest Property Line Barrier

The southwest property line barrier is proposed to be 6-feet in height, and is intended to reduce overall noise levels associated with the RV Park operations at the nearest residences. The barrier will either be a precast concrete or a block wall. This is sufficient to reduce noise levels as described in the Environmental Noise Assessment.

If you or the County staff have questions, please contact me.

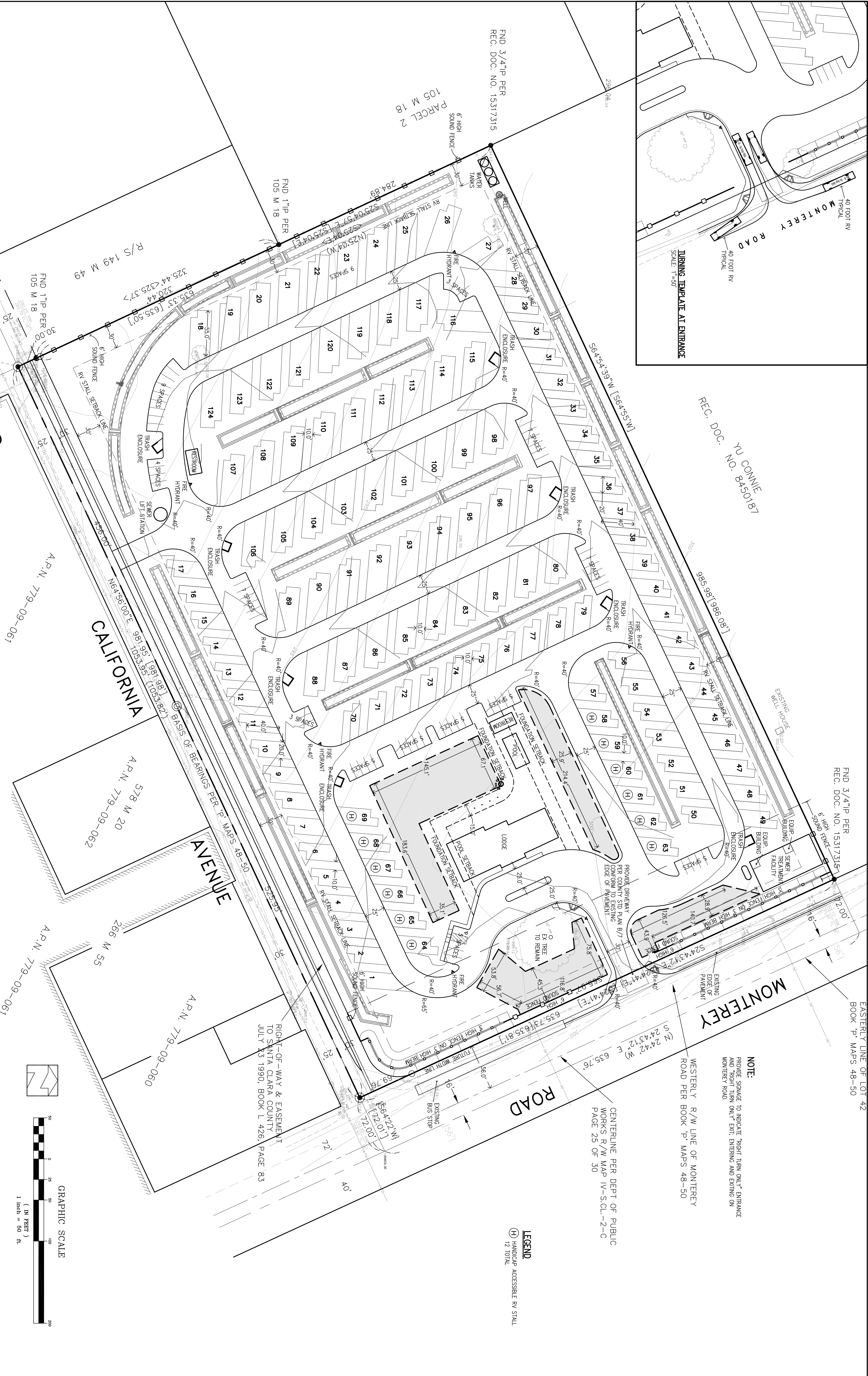
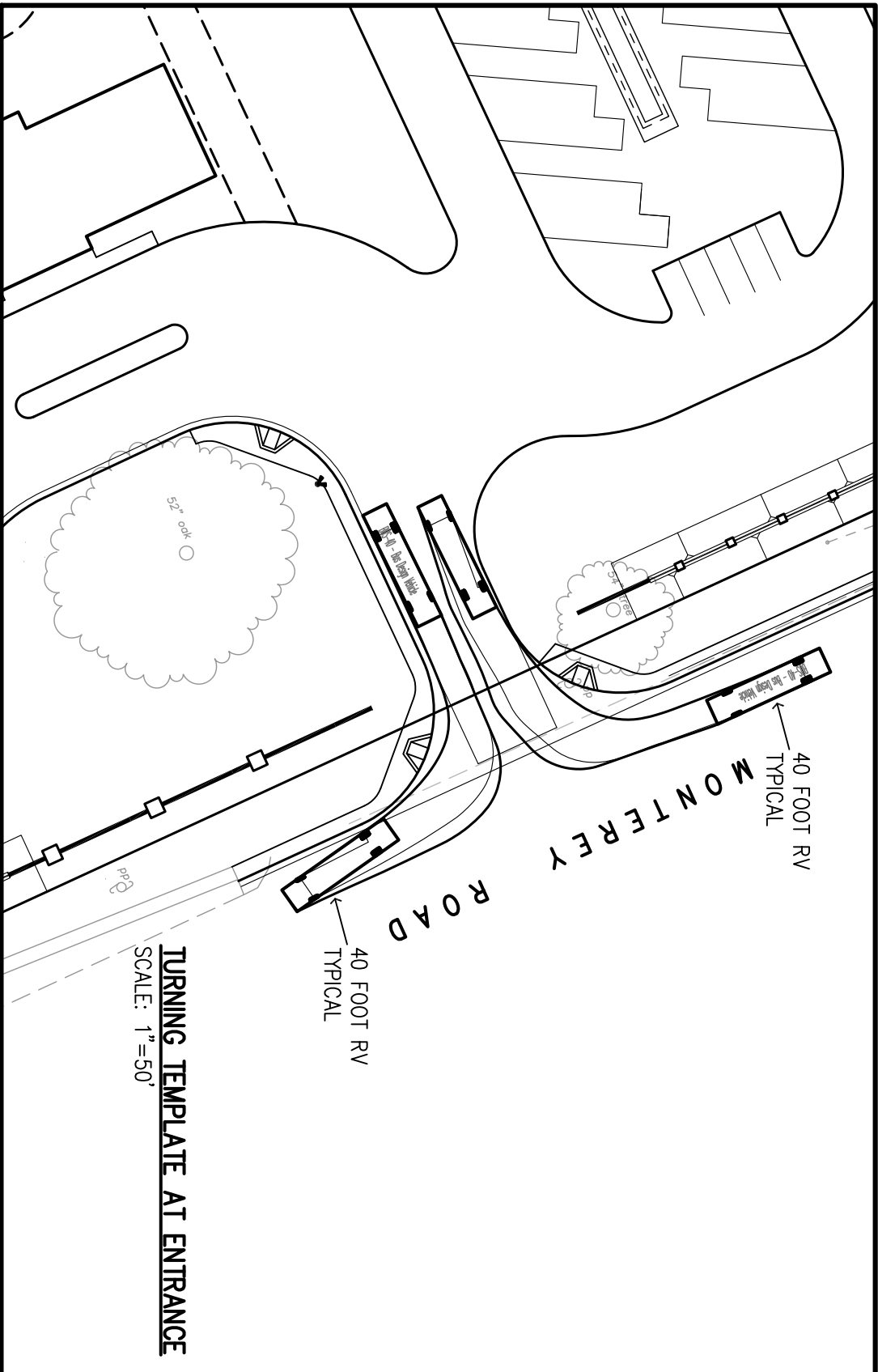
Respectfully submitted,

j.c. brennan & associates, Inc.



Jim Brennan
President
Member: Institute of Noise Control Engineering
File: 2017-114 San Martin RV Park Barrier Review

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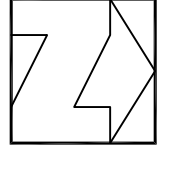
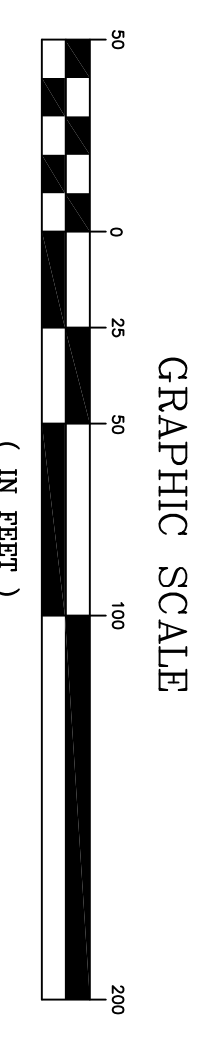
EASTERLY LINE OF LOT 42
BOOK "P" MAPS 48-50

NOTE:
PROVIDE SIGNAGE TO INDICATE "RIGHT TURN ONLY" ENTRANCE
AND "RIGHT TURN ONLY" EXIT, ENTERING AND EXITING ON
MONTEREY ROAD.

WESTERLY R/W LINE OF MONTEREY
ROAD PER BOOK "P" MAPS 48-50

CENTERLINE PER DEPT OF PUBLIC
WORKS R/W MAP IV-S.C.L.-2-C
PAGE 25 OF 30

LEGEND
(H) HANDICAP ACCESSIBLE RV STALL
12 TOTAL



RIGHT-OF-WAY & EASEMENT
TO SANTA CLARA COUNTY
JULY 23 1990, BOOK L 426, PAGE 83

REVISIONS: DATE: _____ DESCRIPTION: _____ BY: _____		DATE: OCTOBER 2018 HORIZ. SCALE: 1"=50' VERT. SCALE: NONE DESIGNED BY: AM CHECKED BY: _____ DRAWN BY: TM	
APPLICANT: PATEL		REFERENCES:	
ROAD: MONTEREY ROAD AND CALIFORNIA AVENUE		COUNTY FILE NO.: 2229-15PA	
DATE: OCTOBER 2018 HANNABRUNETTI CIVIL ENGINEERS - LAND SURVEYORS CONSTRUCTION MANAGERS		LANDS OF PATEL - at the corner of Monterey Road and California Avenue Preliminary Site Plan UNINCORPORATED OCTOBER 2018	
SHEET		JOB NO. 14046	
3		OF 6	
14046		JOB NO. 14046	

Appendix D

FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)

Noise Barrier Effectiveness Prediction Worksheet

Project Information:

Job Number: 2017-114
 Description San Martin RV Park
 Roadway Name: Monterey Road
 Location(s): 1

Noise Level Data:

Year: 2025
 Auto L_{dn}, dB: 62
 Medium Truck L_{dn}, dB: 53
 Heavy Truck L_{dn}, dB: 55

Site Geometry:

Receiver Description: Project Site
 Centerline to Barrier Distance (C₁): 25
 Barrier to Receiver Distance (C₂): 130
 Automobile Elevation: 0
 Medium Truck Elevation: 2
 Heavy Truck Elevation: 8
 Pad/Ground Elevation at Receiver: 0
 Receiver Elevation¹: 5
 Base of Barrier Elevation: 0
 Starting Barrier Height 6

Barrier Effectiveness:

Top of Barrier Elevation (ft)	Barrier Height ² (ft)	----- L _{dn} , dB -----				Barrier Breaks Line of Sight to...		
		Autos	Medium Trucks	Heavy Trucks	Total	Autos?	Medium Trucks?	Heavy Trucks?
6	6	53	46	51	55	Yes	Yes	No
7	7	52	45	50	55	Yes	Yes	No
8	8	51	44	50	54	Yes	Yes	Yes
9	9	51	43	49	53	Yes	Yes	Yes
10	10	50	43	48	53	Yes	Yes	Yes
11	11	49	42	47	52	Yes	Yes	Yes
12	12	49	41	46	51	Yes	Yes	Yes
13	13	48	40	46	50	Yes	Yes	Yes
14	14	48	40	45	50	Yes	Yes	Yes

Notes: 1. Standard receiver elevation is five feet above grade/pad elevations at the receiver location(s)

