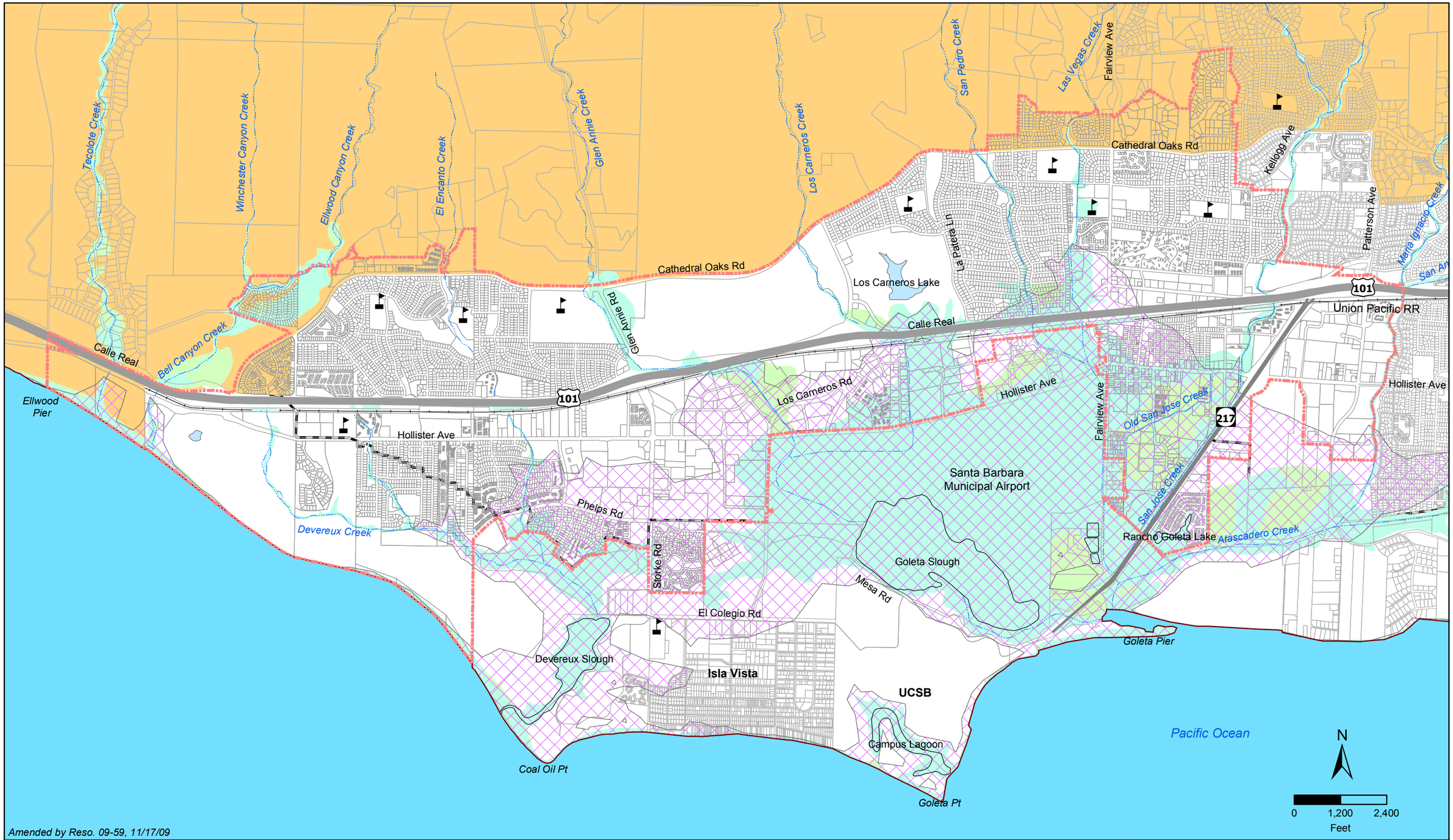


Amended by Reso. 09-59, 11/17/09

Legend

Flood Hazard
- 500 Year Flood Zone
- 100 Year Flood Zone

Fire Hazard
- Wildland Fire Hazard Area

Tsunami Hazard
- Potential Tsunami Runup Area

Other Features
- Goleta City Boundary
- Coastal Zone
- Creeks
- Schools

Source:
The fire hazard area was mapped by the California Department of Forestry and Fire Protection (CDF). The 100 and 500 year flood zone was mapped by the Federal Emergency Management Agency (FEMA), per the Flood Insurance Rate Map (FIRM) dated September 30, 2005. The tsunami hazard maximum runup area was calculated by the University of Southern California using a tsunami model and is based upon potential earthquake sources and hypothetical extreme landslide sources, generally following the 12 meter topographic contour. OES field verified the tsunami run-up area for accuracy. The OES presented the fire hazard area, flood zones, and tsunami run-up on the OES Hazard Identification and Analysis Map 916-464-1014, dated June 2001.

Figure 5-2
FIRE, FLOOD, AND TSUNAMI HAZARDS MAP

GENERAL PLAN/COASTAL LAND USE PLAN
November 2009

APPENDIX H

Noise

Noise Monitoring Plan-Los Carneros

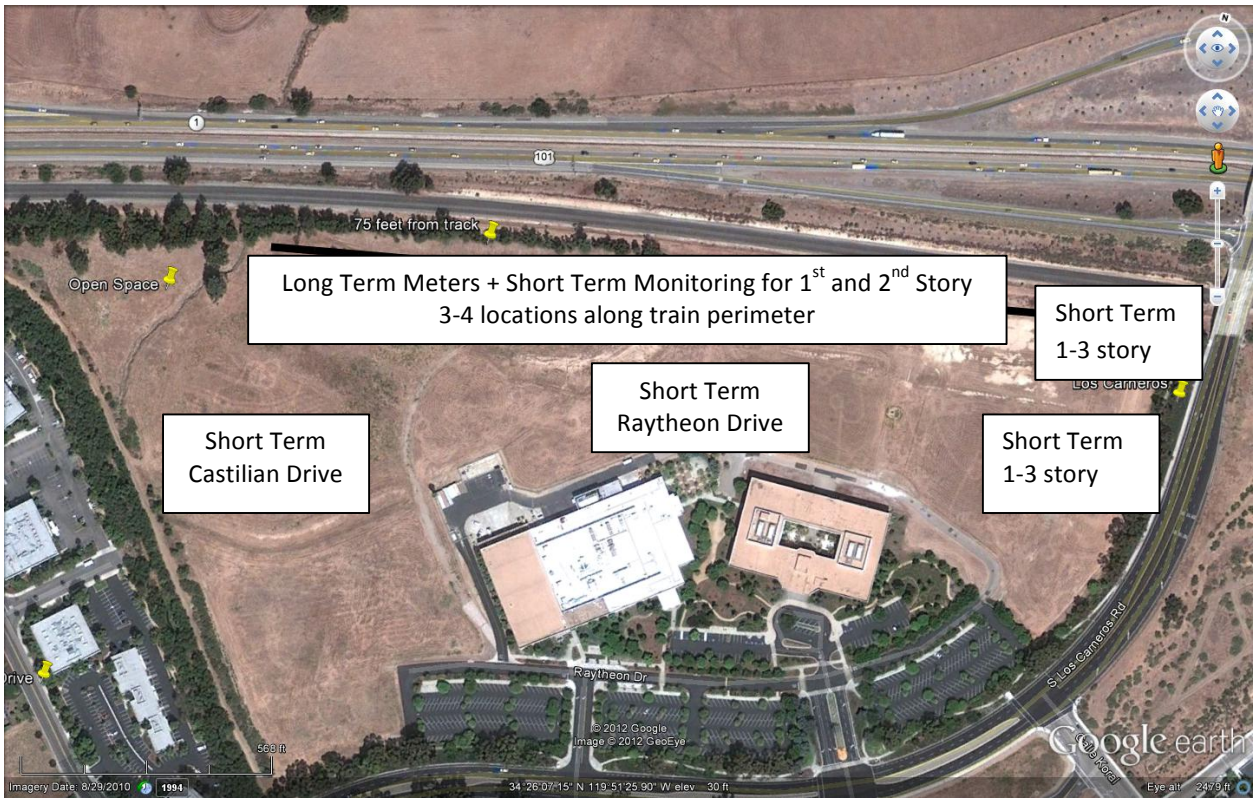
Long Term (24-hour Meters)

4 along northern perimeter (one for redundancy in case of failure- equal spacing between meters)

Short Term Meters

- Along northern perimeter – 1st story and second story (15 feet) at same location as Long Term Meters (8 readings)
- Along Los Carneros Perimeter - 1st story, second story (15 feet) and 3rd story (25 feet) at location of Peoples Self Help and Market Rate Apartments (6 readings)
- Along Southwestern project Perimeter to establish noise from industrial use at business park on Castilian Drive (1 reading)
- Along middle southern perimeter to establish noise from industrial use at business park on Raytheon Drive(1 reading)

Summary: 4 Long Term Meters, 16 Short Term Readings



Appendix
Input Data and TNM 2.5 Results

Traffic Assumptions

Model Run Summary and Calculated CNEL

Model Input and Results

- **Existing AM Leq**
- **Existing PM Leq**
- **Future AM Leq**
- **Future PM Leq**

Traffic Volumes and Mixes for Modeling

Existing	Total ADT	Cars	Medium	Heavy
ADT 101	34,000			
Vehicle Mix		90.1%	2.1%	7.2%
Daily Vehicle Count		30,619	950	2,431
Hourly Daytime 75%/15		1531	48	121
Hourly Night 25%/9		850	26	67
Ramp (2009)	2,020	1,838	42	143
Vehicle Mix				
Daily Vehicle Count		1,838	42	143
Hourly Daytime 75%/15		92	2	7
Hourly Night 25%/9		51	1	4

Existing	Total ADT	Cars	Medium	Heavy
Los Carneros	24,275			
Vehicle Mix		94.50%	4.80%	0.60%
Daily Vehicle Count		22939	1165	146
Hourly Daytime 85%/15		1300	66	8
Hourly Night 15%/9		382	19	2

Future	Total ADT	Cars	Medium	Heavy
ADT 101	39,181			
Vehicle Mix		90.1%	2.1%	7.2%
Daily Vehicle Count		35,262	822	2,821
Hourly Daytime 75%/15		1763	41	141
Hourly Night 25%/9		980	23	78
Ramp (2009)	2,327			
Vehicle Mix				
Daily Vehicle Count		2,141	46	168
Hourly Daytime 75%/15		107	2	8
Hourly Night 25%/9		59	1	5

Future	Total ADT	Cars	Medium	Heavy
Los Carneros	32,696			
Vehicle Mix		94.50%	4.80%	0.60%
Daily Vehicle Count		30923	1576	197
Hourly Daytime 85%/15		1752	89	11
Hourly Night 15%/9		515	26	3

TNM Leq Results Summary Existing CNEL/Ldn

		Daytime Leq dB	Nocturnal Leq dB	CNEL/Ldn
1	Westernmost Ground Level	64.4	61.8	69.1
1	Westernmost Second Story	67.5	64.9	72.2
2	West-Center Ground Level	61.1	58.5	65.8
2	West-Center Second Story	61.2	58.6	65.9
3	East-Center Ground Level	54.4	51.8	59.1
3	East-Center Second Story	54.8	52.2	59.5
4	Easternmost Ground Level	54.7	50.8	58.5
4	Easternmost Second Story	59.6	55.1	63.1
4	Easternmost Third Story	60.1	55.8	63.7

TNM Leq Results Summary Future CNEL/Ldn

		Daytime Leq dB	Nocturnal Leq dB	CNEL/Ldn
1	Westernmost Ground Level	64.9	62.4	69.7
1	Westernmost Second Story	68	65.5	72.8
2	West-Center Ground Level	61.6	59.1	66.4
2	West-Center Second Story	61.7	59.2	66.5
3	East-Center Ground Level	55	52.4	59.7
3	East-Center Second Story	55.4	52.8	60.1
4	Easternmost Ground Level	55.7	51.7	59.5
4	Easternmost Second Story	60.7	56.2	64.2
4	Easternmost Third Story	61.2	56.8	64.7