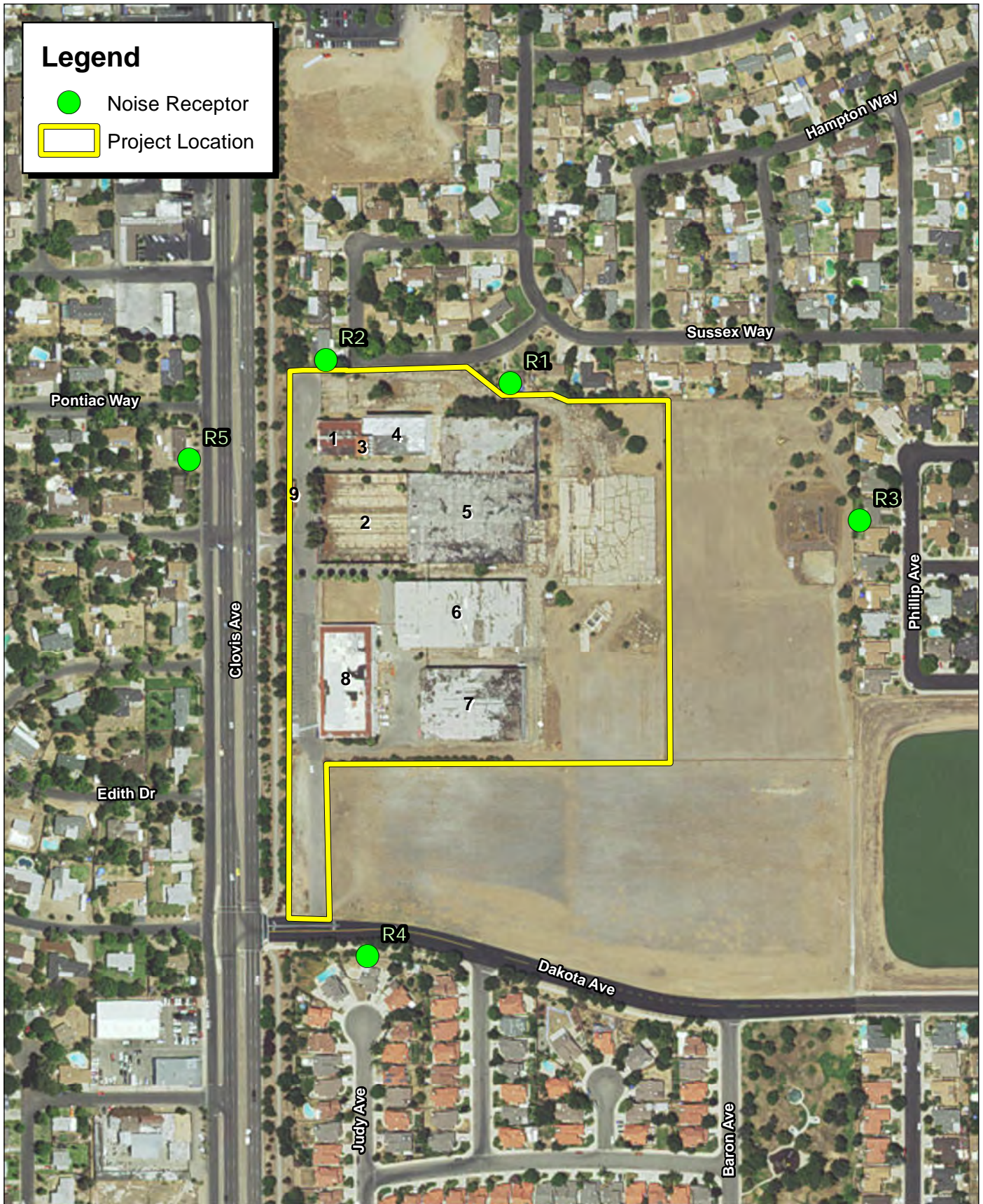
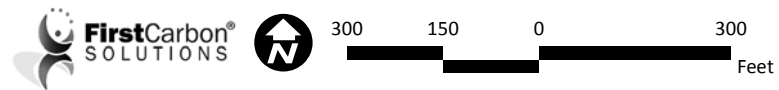


**Appendix B:
Noise Analysis**

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Source: ESRI Imagery, 2015



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Exhibit 1 Modeled Receptor Locations

CITY OF CLOVIS • LA PALOMA WINERY
INITIAL STUDY / MITIGATED NEGATIVE DECLARATION

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 9/2/2015
 Case Description: La Paloma Demolition & Site Preparation Phase

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
R1 - Residence north of Building 5	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Excavator	No	40		80.7	70	0
Dozer	No	40		81.7	70	0
Tractor	No	40	84		70	0
Concrete Saw	No	20		89.6	90	0
Front End Loader	No	40		79.1	90	0
Backhoe	No	40		77.6	90	0
Excavator	No	40		80.7	120	0
Excavator	No	40		80.7	120	0
Backhoe	No	40		77.6	120	0
Dozer	No	40		81.7	140	0
Dozer	No	40		81.7	140	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)				
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Excavator	77.8	73.8	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	78.7	74.8	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	81.1	77.1	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	84.5	77.5	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	74	70	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	72.5	68.5	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	70	66	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	72.7	68.7	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	72.7	68.7	N/A	N/A	N/A	N/A	N/A	N/A
Total	84.5	83.3	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
R2 - Residence north of Building 1	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	280	0
Dozer	No	40		81.7	280	0
Tractor	No	40	84		280	0
Concrete Saw	No	20		89.6	280	0
Front End Loader	No	40		79.1	290	6
Backhoe	No	40		77.6	290	6
Excavator	No	40		80.7	290	6
Excavator	No	40		80.7	310	6
Backhoe	No	40		77.6	310	6
Dozer	No	40		81.7	310	6
Dozer	No	40		81.7	330	6

Equipment	Results							
	Calculated (dBA)				Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Excavator	65.7	61.8	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	66.7	62.7	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	69	65.1	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	74.6	67.6	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	57.8	53.9	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	56.3	52.3	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	59.4	55.5	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	58.9	54.9	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	55.7	51.7	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	59.8	55.8	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	59.3	55.3	N/A	N/A	N/A	N/A	N/A	N/A
Total	74.6	71.6	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
R3 - Residence east of Building 5	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	720	0
Dozer	No	40		81.7	720	0
Tractor	No	40	84		720	0
Concrete Saw	No	20		89.6	720	0
Front End Loader	No	40		79.1	740	0
Backhoe	No	40		77.6	740	0
Excavator	No	40		80.7	740	0
Excavator	No	40		80.7	780	0
Backhoe	No	40		77.6	780	0
Dozer	No	40		81.7	780	0
Dozer	No	40		81.7	800	0

Equipment	Results							
	Calculated (dBA)				Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Excavator	57.5	53.6	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	58.5	54.5	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	60.8	56.9	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	66.4	59.4	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	55.7	51.7	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	54.2	50.2	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	57.3	53.3	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	56.8	52.9	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	53.7	49.7	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	57.8	53.8	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	57.6	53.6	N/A	N/A	N/A	N/A	N/A	N/A
Total	66.4	64.9	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
R4 - Residence south of Building 8	Residential	66	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	515	0
Dozer	No	40		81.7	515	0
Tractor	No	40	84		515	0
Concrete Saw	No	20		89.6	515	0
Front End Loader	No	40		79.1	535	0
Backhoe	No	40		77.6	535	0
Excavator	No	40		80.7	535	0
Excavator	No	40		80.7	555	0
Backhoe	No	40		77.6	555	0
Dozer	No	40		81.7	555	0
Dozer	No	40		81.7	575	0

Equipment	Results							
	Calculated (dBA)				Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Excavator	60.5	56.5	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	61.4	57.4	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	63.7	59.8	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	69.3	62.3	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	58.5	54.5	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	57	53	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	60.1	56.1	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	59.8	55.8	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	56.7	52.7	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	60.8	56.8	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	60.5	56.5	N/A	N/A	N/A	N/A	N/A	N/A
Total	69.3	67.8	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
R5 - Residence west of Building 1	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	230	0
Dozer	No	40		81.7	230	0
Tractor	No	40	84		230	0
Concrete Saw	No	20		89.6	230	0
Front End Loader	No	40		79.1	300	0
Backhoe	No	40		77.6	300	0
Excavator	No	40		80.7	300	0
Excavator	No	40		80.7	320	0
Backhoe	No	40		77.6	320	0
Dozer	No	40		81.7	320	0
Dozer	No	40		81.7	340	0

Equipment	Results							
	Calculated (dBA)				Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Excavator	67.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	68.4	64.4	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	70.7	66.8	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	76.3	69.3	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	63.5	59.6	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	62	58	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	65.1	61.2	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	64.6	60.6	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	61.4	57.5	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	65.5	61.6	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	65	61	N/A	N/A	N/A	N/A	N/A	N/A
Total	76.3	74.1	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.