Appendix H
Noise Data Output

ESA

H-1 Construction Noise Worksheets

Project: Pacific Square

Construction Noise Impact on Sensitive Receptors

Parameters

Construction Hours:	8	Daytime hours (7 am to 7 pm)
	0	Evening hours (7 pm to 10 pm)
	0	Nighttime hours (10 pm to 7 am)
Leq to L10 factor	3	

				R3					R4				
Construction Phase **Equipment Type**	**No. of Equip.**	**Reference Noise Level at 50ft, Lmax**	**Acoustical Usage Factor**	**Distance (ft)**	**Lmax**	**Leq**	**L10**	**Estimated Noise Shielding, dBA**	**Distance (ft)**	**Lmax**	**Leq**	**L11**	**Estimated Noise Shielding, dBA**
Phase 1													
Site Preparation					***67***	***62***				***83***	***79***		
Graders	1	85	40%	550	64	60	63	0	65	83	79	82	0
Scrapers	1	84	40%	650	62	58	61	0	250	70	66	69	0
Tractor/Loader/Backhoe	1	80	25%	750	56	50	53	0	400	62	56	59	0
Grading/Excavation					***67***	***63***				***83***	***79***		
Graders	1	85	40%	550	64	60	63	0	65	83	79	82	0
Excavator	1	81	40%	650	59	55	58	0	250	67	63	66	0
Forklift	1	75	10%	650	53	43	46	0	400	57	47	50	0
Dozer	1	82	40%	650	60	56	59	0	400	64	60	63	0
Tractor/Loader/Backhoe	2	80	25%	750	59	53	56	0	400	64	58	61	1
Building Construction					***64***	***59***				***74***	***66***		
Cranes	1	81	16%	650	59	51	54	0	250	67	59	62	0
Forklift	1	75	10%	550	54	44	47	0	65	73	63	66	0
Generator Sets	1	81	50%	650	59	56	59	0	400	63	60	63	0
Tractor/Loader/Backhoe	1	80	25%	650	58	52	55	0	400	62	56	59	0
Welders	1	74	40%	750	50	46	49	0	400	56	52	55	0
Drainage/Utilities/Trenching					***61***	***55***				***78***	***72***		
Tractor/Loader/Backhoe	1	80	25%	550	59	53	56	0	65	78	72	75	0
Dump/Haul Trucks	1	76	40%	650	54	50	53	0	250	62	58	61	0
Forklift	1	75	10%	750	51	41	44	0	400	57	47	50	0
Architectural Coating					***57***	***53***				***76***	***72***		
Air Compressor	1	78	40%	550	57	53	56	0	65	76	72	75	0
Paving					***66***	***62***				***77***	***74***		
Paver	1	77	50%	550	56	53	56	0	65	75	72	75	0
Roller	2	80	20%	650	61	54	57	0	250	69	62	65	0
Other Equipment	1	85	50%	650	63	60	63	0	250	71	68	71	0
Tractor/Loader/Backhoe	1	80	25%	750	56	50	53	0	400	62	56	59	0
Cement and Mortar Mixers	1	79	40%	750	55	51	54	0	400	61	57	60	0

	R5					R6					R7				
Construction Phase **Equipment Type**	**Distance (ft)**	**Lmax**	**Leq**	**L12**	**Estimated Noise Shielding, dBA**	**Distance (ft)**	**Lmax**	**Leq**	**L11**	**Estimated Noise Shielding, dBA**	**Distance (ft)**	**Lmax**	**Leq**	**L12**	**Estimated Noise Shielding, dBA**
Phase 1															
Site Preparation		***57***	***53***				***67***	***63***				***72***	***68***		
Graders	460	56	52	55	10	240	66	62	65	5	240	71	67	70	0
Scrapers	700	51	47	50	10	500	59	55	58	5	500	64	60	63	0
Tractor/Loader/Backhoe	850	45	39	42	10	700	52	46	49	5	700	57	51	54	0
Grading/Excavation		***58***	***53***				***67***	***63***				***72***	***68***		
Graders	460	56	52	55	10	240	66	62	65	5	240	71	67	70	0
Excavator	700	48	44	47	10	500	56	52	55	5	500	61	57	60	0
Forklift	700	42	32	35	10	500	50	40	43	5	500	55	45	48	0
Dozer	850	47	43	46	10	700	54	50	53	5	700	59	55	58	0
Tractor/Loader/Backhoe	850	48	42	45	10	700	55	49	52	5	700	58	52	55	2
Building Construction		***53***	***48***				***62***	***56***				***67***	***61***		
Cranes	700	48	40	43	10	500	56	48	51	5	500	61	53	56	0
Forklift	460	46	36	39	10	240	56	46	49	5	240	61	51	54	0
Generator Sets	700	48	45	48	10	500	56	53	56	5	500	61	58	61	0
Tractor/Loader/Backhoe	850	45	39	42	10	700	52	46	49	5	700	57	51	54	0
Welders	850	39	35	38	10	700	46	42	45	5	700	51	47	50	0
Drainage/Utilities/Trenching		***52***	***46***				***62***	***56***				***67***	***61***		
Tractor/Loader/Backhoe	460	51	45	48	10	240	61	55	58	5	240	66	60	63	0
Dump/Haul Trucks	700	43	39	42	10	500	51	47	50	5	500	56	52	55	0
Forklift	700	42	32	35	10	500	50	40	43	5	500	55	45	48	0
Architectural Coating		***49***	***45***				***59***	***55***				***64***	***60***		
Air Compressor	460	49	45	48	10	240	59	55	58	5	240	64	60	63	0
Paving		***56***	***52***				***64***	***60***				***69***	***65***		
Paver	460	48	45	48	10	240	58	55	58	5	240	63	60	63	0
Roller	700	50	43	46	10	500	58	51	54	5	500	63	56	59	0
Other Equipment	700	52	49	52	10	500	60	57	60	5	500	65	62	65	0
Tractor/Loader/Backhoe	850	45	39	42	10	700	52	46	49	5	700	57	51	54	0
Cement and Mortar Mixers	850	44	40	43	10	700	51	47	50	5	700	56	52	55	0

	R8					R9					R10				
Construction Phase **Equipment Type**	**Distance (ft)**	**Lmax**	**Leq**	**L13**	**Estimated Noise Shielding, dBA**	**Distance (ft)**	**Lmax**	**Leq**	**L11**	**Estimated Noise Shielding, dBA**	**Distance (ft)**	**Lmax**	**Leq**	**L12**	**Estimated Noise Shielding, dBA**
Phase 1															
Site Preparation		***66***	***62***				***59***	***55***				***64***	***60***		
Graders	550	64	60	63	0	750	56	52	55	5	725	62	58	61	0
Scrapers	700	61	57	60	0	900	54	50	53	5	875	59	55	58	0
Tractor/Loader/Backhoe	700	57	51	54	0	900	50	44	47	5	875	55	49	52	0
Grading/Excavation		***66***	***62***				***59***	***55***				***65***	***60***		
Graders	550	64	60	63	0	750	56	52	55	5	725	62	58	61	0
Excavator	700	58	54	57	0	900	51	47	50	5	875	56	52	55	0
Forklift	700	52	42	45	0	900	45	35	38	5	875	50	40	43	0
Dozer	850	57	53	56	0	1050	51	47	50	5	1000	56	52	55	0
Tractor/Loader/Backhoe	850	55	49	52	3	1050	52	46	49	5	1000	57	51	54	0
Building Construction		***63***	***58***				***56***	***50***				***62***	***56***		
Cranes	700	58	50	53	0	900	51	43	46	5	725	58	50	53	0
Forklift	550	54	44	47	0	750	46	36	39	5	875	50	40	43	0
Generator Sets	700	58	55	58	0	900	51	48	51	5	875	56	53	56	0
Tractor/Loader/Backhoe	850	55	49	52	0	1050	49	43	46	5	1000	54	48	51	0
Welders	850	49	45	48	0	1050	43	39	42	5	1000	48	44	47	0
Drainage/Utilities/Trenching		***61***	***55***				***53***	***47***				***59***	***53***		
Tractor/Loader/Backhoe	550	59	53	56	0	750	51	45	48	5	725	57	51	54	0
Dump/Haul Trucks	700	53	49	52	0	900	46	42	45	5	875	51	47	50	0
Forklift	700	52	42	45	0	900	45	35	38	5	875	50	40	43	0
Architectural Coating		***57***	***53***				***49***	***45***				***55***	***51***		
Air Compressor	550	57	53	56	0	750	49	45	48	5	725	55	51	54	0
Paving		***66***	***62***				***58***	***54***				***64***	***60***		
Paver	550	56	53	56	0	750	48	45	48	5	725	54	51	54	0
Roller	700	60	53	56	0	900	53	46	49	5	875	58	51	54	0
Other Equipment	700	62	59	62	0	900	55	52	55	5	875	60	57	60	0
Tractor/Loader/Backhoe	850	55	49	52	0	1050	49	43	46	5	1000	54	48	51	0
Cement and Mortar Mixers	850	54	50	53	0	1050	48	44	47	5	1000	53	49	52	0

				R3					R4				
Construction Phase Equipment Type	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance (ft)	Lmax	Leq	L10	Estimated Noise Shielding, dBA	Distance (ft)	Lmax	Leq	L11	Estimated Noise Shielding, dBA
Phase 2													
Grading/Excavation					***84***	***80***				***69***	***65***		
Graders	1	85	40%	55	84	80	83	0	420	67	63	66	0
Excavator	1	81	40%	250	67	63	66	0	550	60	56	59	0
Forklift	1	75	10%	500	55	45	48	0	550	54	44	47	0
Dozer	1	82	40%	500	62	58	61	0	550	61	57	60	0
Tractor/Loader/Backhoe	2	80	25%	700	60	54	57	0	700	59	53	56	1
Building Construction					***75***	***66***				***65***	***60***		
Cranes	1	81	16%	500	61	53	56	0	550	60	52	55	0
Forklift	1	75	10%	55	74	64	67	0	420	57	47	50	0
Generator Sets	1	81	50%	500	61	58	61	0	550	60	57	60	0
Tractor/Loader/Backhoe	1	80	25%	500	60	54	57	0	550	59	53	56	0
Welders	1	74	40%	700	51	47	50	0	700	51	47	50	0
Drainage/Utilities/Trenching					***79***	***73***				***63***	***57***		
Tractor/Loader/Backhoe	1	80	25%	55	79	73	76	0	420	62	55	58	0
Dump/Haul Trucks	1	76	40%	250	62	58	61	0	550	55	51	54	0
Forklift	1	75	10%	500	55	45	48	0	700	52	42	45	0
Architectural Coating					***77***	***73***				***60***	***56***		
Air Compressor	1	78	40%	55	77	73	76	0	420	60	56	59	0
Paving					***78***	***75***				***68***	***64***		
Paver	1	77	50%	55	76	73	76	0	420	59	56	59	0
Roller	2	80	20%	250	69	62	65	0	550	62	55	58	0
Other Equipment	1	85	50%	250	71	68	71	0	550	64	61	64	0
Tractor/Loader/Backhoe	1	80	25%	500	60	54	57	0	700	57	51	54	0
Cement and Mortar Mixers	1	79	40%	500	59	55	58	0	700	56	52	55	0
Overlapping Phase Noise Levels													
Phase 1 Building Construction/Paving/Arch Coating + Phase 2 Building Construction					***76***	***68***				***81***	***76***		
Phase 1 Drainage/Utilities/Trenching/Paving/Arch Coating + Phase 2 Building Construction					***76***	***68***				***82***	***77***		
Phase 2 Building Construction/Paving/Arch Coating					***82***	***77***				***76***	***69***		
Phase 2 Drainage/Utilities/Trenching/Paving/Arch Coating					***83***	***79***				***76***	***69***		
Maximum Combined Noise Levels					**83**	**79**				**82**	**77**		

	R5					R6					R7				
Construction Phase Equipment Type	Distance (ft)	Lmax	Leq	L12	Estimated Noise Shielding, dBA	Distance (ft)	Lmax	Leq	L11	Estimated Noise Shielding, dBA	Distance (ft)	Lmax	Leq	L12	Estimated Noise Shielding, dBA
Phase 2															
Grading/Excavation		***54***	***50***				***63***	***59***				***73***	***68***		
Graders	780	51	47	50	10	450	61	57	60	5	240	71	67	70	0
Excavator	900	46	42	45	10	600	54	50	53	5	500	61	57	60	0
Forklift	900	40	30	33	10	600	48	38	41	5	500	55	45	48	0
Dozer	900	47	43	46	10	850	52	48	51	5	500	62	58	61	0
Tractor/Loader/Backhoe	1000	47	41	44	10	850	53	47	50	5	700	60	54	57	0
Building Construction		***51***	***46***				***60***	***54***				***67***	***61***		
Cranes	900	46	38	41	10	600	54	46	49	5	500	61	53	56	0
Forklift	780	41	31	34	10	450	51	41	44	5	240	61	51	54	0
Generator Sets	900	46	43	46	10	600	54	51	54	5	500	61	58	61	0
Tractor/Loader/Backhoe	900	45	39	42	10	600	53	47	50	5	500	60	54	57	0
Welders	1000	38	34	37	10	850	44	40	43	5	700	51	47	50	0
Drainage/Utilities/Trenching		***48***	***42***				***57***	***51***				***67***	***61***		
Tractor/Loader/Backhoe	780	46	40	43	10	450	56	50	53	5	240	66	60	63	0
Dump/Haul Trucks	900	41	37	40	10	600	49	45	48	5	500	56	52	55	0
Forklift	900	40	30	33	10	600	48	38	41	5	500	55	45	48	0
Architectural Coating		***44***	***40***				***54***	***50***				***64***	***60***		
Air Compressor	780	44	40	43	10	450	54	50	53	5	240	64	60	63	0
Paving		***54***	***49***				***62***	***58***				***69***	***65***		
Paver	780	43	40	43	10	450	53	50	53	5	240	63	60	63	0
Roller	900	48	41	44	10	600	56	49	52	5	500	63	56	59	0
Other Equipment	900	50	47	50	10	600	58	55	58	5	500	65	62	65	0
Tractor/Loader/Backhoe	1000	44	38	41	10	850	50	44	47	5	700	57	51	54	0
Cement and Mortar Mixers	1000	43	39	42	10	850	49	45	48	5	700	56	52	55	0
Overlapping Phase Noise Levels															
Phase 1 Building Construction/Paving/Arch Coating + Phase 2 Building Construction		***59***	***54***				***68***	***63***				***73***	***68***		
Phase 1 Drainage/Utilities/Trenching/Paving/Arch Coating + Phase 2 Building Construction		***59***	***54***				***68***	***63***				***73***	***68***		
Phase 2 Building Construction/Paving/Arch Coating		***58***	***53***				***66***	***61***				***73***	***68***		
Phase 2 Drainage/Utilities/Trenching/Paving/Arch Coating		***57***	***52***				***66***	***61***				***73***	***68***		
Maximum Combined Noise Levels		**59**	**54**				**68**	**63**				**73**	**68**		

	R8					R9					R10				
Construction Phase Equipment Type	Distance (ft)	Lmax	Leq	L13	Estimated Noise Shielding, dBA	Distance (ft)	Lmax	Leq	L11	Estimated Noise Shielding, dBA	Distance (ft)	Lmax	Leq	L12	Estimated Noise Shielding, dBA
Phase 2															
Grading/Excavation		***73***	***69***				***65***	***61***				***67***	***63***		
Graders	225	72	68	71	0	350	63	59	62	5	515	65	61	64	0
Excavator	500	61	57	60	0	600	54	50	53	5	675	58	54	57	0
Forklift	500	55	45	48	0	600	48	38	41	5	675	52	42	45	0
Dozer	500	62	58	61	0	600	55	51	54	5	675	59	55	58	0
Tractor/Loader/Backhoe	700	57	51	54	3	800	54	48	51	5	875	58	52	55	0
Building Construction		***67***	***61***				***60***	***54***				***64***	***58***		
Cranes	500	61	53	56	0	600	54	46	49	5	675	58	50	53	0
Forklift	225	62	52	55	0	350	53	43	46	5	515	55	45	48	0
Generator Sets	500	61	58	61	0	600	54	51	54	5	675	58	55	58	0
Tractor/Loader/Backhoe	500	60	54	57	0	600	53	47	50	5	675	57	51	54	0
Welders	700	51	47	50	0	800	45	41	44	5	875	49	45	48	0
Drainage/Utilities/Trenching		***68***	***62***				***59***	***53***				***61***	***55***		
Tractor/Loader/Backhoe	225	67	61	64	0	350	58	52	55	5	515	60	54	57	0
Dump/Haul Trucks	500	56	52	55	0	600	49	45	48	5	675	53	49	52	0
Forklift	500	55	45	48	0	600	48	38	41	5	675	52	42	45	0
Architectural Coating		***65***	***61***				***56***	***52***				***58***	***54***		
Air Compressor	225	65	61	64	0	350	56	52	55	5	515	58	54	57	0
Paving		***69***	***65***				***62***	***58***				***66***	***62***		
Paver	225	64	61	64	0	350	55	52	55	5	515	57	54	57	0
Roller	500	63	56	59	0	600	56	49	52	5	675	60	53	56	0
Other Equipment	500	65	62	65	0	600	58	55	58	5	675	62	59	62	0
Tractor/Loader/Backhoe	700	57	51	54	0	800	51	45	48	5	875	55	49	52	0
Cement and Mortar Mixers	700	56	52	55	0	800	50	46	49	5	875	54	50	53	0
Overlapping Phase Noise Levels															
Phase 1 Building Construction/Paving/Arch Coating + Phase 2 Building Construction		***71***	***65***				***63***	***58***				***68***	***63***		
Phase 1 Drainage/Utilities/Trenching/Paving/Arch Coating + Phase 2 Building Construction		***70***	***65***				***63***	***58***				***68***	***63***		
Phase 2 Building Construction/Paving/Arch Coating		***73***	***68***				***65***	***61***				***69***	***64***		
Phase 2 Drainage/Utilities/Trenching/Paving/Arch Coating		***73***	***68***				***65***	***61***				***69***	***64***		
Maximum Combined Noise Levels		**73**	**68**				**65**	**61**				**69**	**64**		

Source for Ref. Noise Levels: LA CEQA Guides, 2006 & FHWA RCNM, 2005

H-2 Operational Noise Worksheets

Roadway Traffic Noise - Existing

Street	Roadway Segment	Existing Land Uses Located Along Roadway Segment	Traffic Noise Levels (dBA CNEL) Existing	Existing with Project	Increase over Existing	Significant Impact?	Threshold Used
Broadway	between Del Mar Av and San Gabriel Bl	Multi-Family Residential/Commercial	67.1	67.2	0.1	No	3
Broadway	e/o San Gabriel Bl	Commercial	67.7	67.8	0.0	No	3
Broadway	w/o Del Mar Av	Residential/Commercial	65.8	65.9	0.1	No	3
California Av	n/o Mission Rd/Grand Av	Single-Family Residential	53.7	53.7	0.0	No	3
California Av	s/o Mission Rd/Grand Av	Single-Family Residential/Educational	59.8	59.8	0.0	No	3
Del Mar Av	between Broadway and Mission Rd	Commercial/Single-Family Residential	70.0	70.0	0.0	No	3
Del Mar Av	between Las Tunas Dr and Broadway	Residential	70.1	70.2	0.1	No	3
Del Mar Av	between Mission Rd and Valley Bl	Single-Family Residential	70.4	70.5	0.0	No	3
Del Mar Av	n/o Las Tunas Dr	Commercial	69.3	69.4	0.1	No	3
Del Mar Av	s/o Valley Bl	Commercial	70.8	70.8	0.0	No	3
El Monte St	between San Gabriel Bl and Gladys Av	Commercial	53.6	57.7	4.2	No	5
Gladys Av	between El Monte St and Grand Av	Multi-Family Residential/Commercial	56.5	58.0	1.6	No	3
Gladys Av	between Grand Av and Mission Rd	Multi-Family Residential/Commercial	53.4	56.3	2.9	No	3
Gladys Av	n/o El Monte St	Multi-Family Residential/Commercial	53.8	53.8	0.0	No	3
Gladys Av	s/o Mission Rd	Commercial/Single-Family Residential	56.9	56.9	0.0	No	3
Grand Av	between Gladys Av and Walnut Grove Av	Commercial/Single-Family Residential	61.9	62.4	0.5	No	3
Grand Av	between San Gabriel Bl and Gladys Av	Commercial	62.1	63.0	0.8	No	3
Grand Av	e/o Walnut Grove Av	Commercial/Single-Family Residential	62.1	62.3	0.3	No	3
Hermosa Dr	e/o San Gabriel Bl	Single-Family Residential	63.1	63.2	0.2	No	3
Hermosa Dr	w/o San Gabriel Bl	Single-Family Residential	63.5	63.7	0.3	No	3
Junipero Serra Dr/Mission Rd	between Mission Rd/San Gabriel Mission and Del Mar Av	Residential	67.5	67.6	0.1	No	3
Las Tunas Dr	between Del Mar Av and San Gabriel Bl	Commercial	69.0	69.1	0.1	No	3
Las Tunas Dr	e/o San Gabriel Bl	Commercial	72.5	72.5	0.1	No	3
Las Tunas Dr	w/o Del Mar Av	Commercial	72.3	72.3	0.0	No	3
Mission Dr	e/o Walnut Grove Av	Single-Family Residential	70.8	70.9	0.1	No	3
Mission Rd	between Del Mar Av and California Av	Commercial/Single-Family Residential	68.7	68.7	0.1	No	3
El Monte St	between Del Mar Av and San Gabriel Bl	Single-Family Residential	58.8	60.2	1.5	No	3
Mission Rd	between Gladys Av and Walnut Grove Av	Single-Family Residential	70.2	70.4	0.2	No	3
Mission Rd	between San Gabriel Bl and Gladys Av	Commercial	70.2	70.4	0.2	No	3
Mission Rd/Grand Av (Mission)	between California Av and San Gabriel Bl	Commercial/Single-Family Residential	69.5	69.6	0.1	No	3
Mission Rd/Grand Av (Grand)	between California Av and San Gabriel Bl	Single-Family Residential	53.1	53.5	0.4	No	3
Mission Rd/Grand Av	e/o California Av	Single-Family Residential/Educational	59.4	59.5	0.1	No	3
San Gabriel Bl	between Broadway and El Monte St	Commercial	73.2	73.4	0.3	No	3
San Gabriel Bl	between El Monte St and Grand Av	Commercial	73.0	73.2	0.2	No	3
San Gabriel Bl	between Grand Av and Mission Rd	Commercial	72.9	73.1	0.2	No	3
San Gabriel Bl	between Hermosa Dr and Las Tunas Dr	Commercial	72.5	72.7	0.1	No	3
San Gabriel Bl	between Las Tunas Dr and Broadway	Commercial	72.7	72.9	0.2	No	3
San Gabriel Bl	between Mission Rd and Valley Bl	Commercial	72.7	72.9	0.2	No	3
San Gabriel Bl	n/o Hermosa Dr	Commercial	72.8	72.8	0.1	No	3
San Gabriel Bl	s/o Valley Bl	Commercial	72.5	72.7	0.1	No	3
Valley Bl	between Del Mar Av and San Gabriel Bl	Commercial	70.9	71.0	0.0	No	3
Valley Bl	e/o San Gabriel Bl	Commercial	72.0	72.0	0.1	No	3
Valley Bl	w/o Del Mar Av	Commercial	72.2	72.2	0.0	No	3
Walnut Grove Av	between Grand Av and Mission Dr	Single-Family Residential	66.7	66.9	0.2	No	3
Walnut Grove Av	n/o Grand Av	Commercial	67.5	67.5	0.0	No	3
Walnut Grove Av	s/o Mission Dr	Single-Family Residential	67.9	68.0	0.1	No	3

Roadway Traffic Noise - Future

Street	Roadway Segment	Existing Land Uses Located Along Roadway Segment	Traffic Noise Levels (dBA CNEL): Future Year (2025)	Future Year (2025) with Project	Increase over Existing	Significant Impact?	Threshold Used
Broadway	between Del Mar Av and San Gabriel Bl	Multi-Family Residential/Commercial	67.5	67.6	0.1	No	3
Broadway	e/o San Gabriel Bl	Commercial	68.0	68.0	0.0	No	3
Broadway	w/o Del Mar Av	Residential/Commercial	66.1	66.2	0.1	No	3
California Av	n/o Mission Rd/Grand Av	Single-Family Residential	53.8	53.8	0.0	No	3
California Av	s/o Mission Rd/Grand Av	Single-Family Residential/Educational	59.9	59.9	0.0	No	3
Del Mar Av	between Broadway and Mission Rd	Commercial/Single-Family Residential	70.6	70.6	0.0	No	3
Del Mar Av	between Las Tunas Dr and Broadway	Residential	70.8	70.8	0.0	No	3
Del Mar Av	between Mission Rd and Valley Bl	Single-Family Residential	71.2	71.2	0.0	No	3
Del Mar Av	n/o Las Tunas Dr	Commercial	69.8	69.9	0.1	No	3
Del Mar Av	s/o Valley Bl	Commercial	71.1	71.1	0.0	No	3
El Monte St	between San Gabriel Bl and Gladys Av	Commercial	55.1	58.4	3.3	No	5
Gladys Av	between El Monte St and Grand Av	Multi-Family Residential/Commercial	57.6	58.9	1.2	No	3
Gladys Av	between Grand Av and Mission Rd	Multi-Family Residential/Commercial	54.4	56.7	2.4	No	3
Gladys Av	n/o El Monte St	Multi-Family Residential/Commercial	57.0	57.0	0.0	No	3
Gladys Av	s/o Mission Rd	Commercial/Single-Family Residential	55.3	55.3	0.0	No	3
Grand Av	between Gladys Av and Walnut Grove Av	Commercial/Single-Family Residential	65.3	65.7	0.4	No	3
Grand Av	between San Gabriel Bl and Gladys Av	Commercial	62.2	63.1	0.8	No	3
Grand Av	e/o Walnut Grove Av	Commercial/Single-Family Residential	62.3	62.6	0.3	No	3
Hermosa Dr	e/o San Gabriel Bl	Single-Family Residential	63.1	63.3	0.2	No	3
Hermosa Dr	w/o San Gabriel Bl	Single-Family Residential	63.6	63.8	0.3	No	3
Junipero Serra Dr/Mission Rd	between Mission Rd/San Gabriel Mission and Del Mar Av	Residential	66.7	66.8	0.1	No	3
Las Tunas Dr	between Del Mar Av and San Gabriel Bl	Commercial	72.4	72.5	0.1	No	3
Las Tunas Dr	e/o San Gabriel Bl	Commercial	72.9	72.9	0.0	No	3
Las Tunas Dr	w/o Del Mar Av	Commercial	72.7	72.8	0.0	No	3
Mission Dr	e/o Walnut Grove Av	Single-Family Residential	71.1	71.2	0.1	No	3
Mission Rd	between Del Mar Av and California Av	Commercial/Single-Family Residential	69.0	69.1	0.1	No	3
El Monte St	between Del Mar Av and San Gabriel Bl	Single-Family Residential	59.4	60.7	1.3	No	3
Mission Rd	between Gladys Av and Walnut Grove Av	Single-Family Residential	70.5	70.7	0.2	No	3
Mission Rd	between San Gabriel Bl and Gladys Av	Commercial	70.5	70.7	0.2	No	3
Mission Rd/Grand Av (Mission)	between California Av and San Gabriel Bl	Commercial/Single-Family Residential	68.3	68.3	0.1	No	3
Mission Rd/Grand Av (Grand)	between California Av and San Gabriel Bl	Single-Family Residential	53.2	53.6	0.4	No	3
Mission Rd/Grand Av	e/o California Av	Single-Family Residential/Educational	61.0	61.1	0.1	No	3
San Gabriel Bl	between Broadway and El Monte St	Commercial	73.7	73.9	0.2	No	3
San Gabriel Bl	between El Monte St and Grand Av	Commercial	73.6	73.7	0.1	No	3
San Gabriel Bl	between Grand Av and Mission Rd	Commercial	73.5	73.7	0.2	No	3
San Gabriel Bl	between Hermosa Dr and Las Tunas Dr	Commercial	73.0	73.1	0.1	No	3
San Gabriel Bl	between Las Tunas Dr and Broadway	Commercial	73.3	73.5	0.2	No	3
San Gabriel Bl	between Mission Rd and Valley Bl	Commercial	73.2	73.4	0.2	No	3
San Gabriel Bl	n/o Hermosa Dr	Commercial	73.2	73.3	0.1	No	3
San Gabriel Bl	s/o Valley Bl	Commercial	71.8	71.9	0.1	No	3
Valley Bl	between Del Mar Av and San Gabriel Bl	Commercial	73.0	73.1	0.0	No	3
Valley Bl	e/o San Gabriel Bl	Commercial	73.1	73.2	0.1	No	3
Valley Bl	w/o Del Mar Av	Commercial	70.3	70.3	0.0	No	3
Walnut Grove Av	between Grand Av and Mission Dr	Single-Family Residential	66.9	67.0	0.1	No	3
Walnut Grove Av	n/o Grand Av	Commercial	68.0	68.1	0.1	No	3
Walnut Grove Av	s/o Mission Dr	Single-Family Residential	67.6	67.6	0.0	No	3

Roadway Traffic Noise - Cumulative

			Traffic Noise Levels (dBA CNEL)					
Street	**Roadway Segment**	**Existing Land Uses Located Along Roadway Segment**	**Existing**	**Future Year (2025) with Project**	**Increase over Existing**	**Significant Impact?**	**Project Increment**	Threshold Used
Broadway	between Del Mar Av and San Gabriel Bl	Multi-Family Residential/Commercial	67.1	67.6	0.5	No	0.1	3
Broadway	e/o San Gabriel Bl	Commercial	67.7	68.0	0.3	No	0.0	3
Broadway	w/o Del Mar Av	Residential/Commercial	65.8	66.2	0.4	No	0.1	3
California Av	n/o Mission Rd/Grand Av	Single-Family Residential	53.7	53.8	0.1	No	0.0	3
California Av	s/o Mission Rd/Grand Av	Single-Family Residential/Educational	59.8	59.9	0.1	No	0.0	3
Del Mar Av	between Broadway and Mission Rd	Commercial/Single-Family Residential	70.0	70.6	0.6	No	0.0	3
Del Mar Av	between Las Tunas Dr and Broadway	Residential	70.1	70.8	0.7	No	0.0	3
Del Mar Av	between Mission Rd and Valley Bl	Single-Family Residential	70.4	71.2	0.8	No	0.0	3
Del Mar Av	n/o Las Tunas Dr	Commercial	69.3	69.9	0.5	No	0.1	3
Del Mar Av	s/o Valley Bl	Commercial	70.8	71.1	0.3	No	0.0	3
El Monte St	between San Gabriel Bl and Gladys Av	Commercial	53.6	58.4	4.8	No	3.3	5
Gladys Av	between El Monte St and Grand Av	Multi-Family Residential/Commercial	56.5	58.9	2.4	No	1.2	3
Gladys Av	between Grand Av and Mission Rd	Multi-Family Residential/Commercial	53.4	56.7	3.3	Yes	2.4	3
Gladys Av	n/o El Monte St	Multi-Family Residential/Commercial	53.8	57.0	3.2	Yes	0.0	3
Gladys Av	s/o Mission Rd	Commercial/Single-Family Residential	56.9	55.3	-1.6	No	0.0	3
Grand Av	between Gladys Av and Walnut Grove Av	Commercial/Single-Family Residential	61.9	65.7	3.8	Yes	0.4	3
Grand Av	between San Gabriel Bl and Gladys Av	Commercial	62.1	63.1	0.9	No	0.8	3
Grand Av	e/o Walnut Grove Av	Commercial/Single-Family Residential	62.1	62.6	0.5	No	0.3	3
Hermosa Dr	e/o San Gabriel Bl	Single-Family Residential	63.1	63.3	0.2	No	0.2	3
Hermosa Dr	w/o San Gabriel Bl	Single-Family Residential	63.5	63.8	0.4	No	0.3	3
Junipero Serra Dr/Mission Rd	between Mission Rd/San Gabriel Mission and Del Mar Av	Residential	67.5	66.8	-0.7	No	0.1	3
Las Tunas Dr	between Del Mar Av and San Gabriel Bl	Commercial	69.0	72.5	3.4	No	0.1	5
Las Tunas Dr	e/o San Gabriel Bl	Commercial	72.5	72.9	0.4	No	0.0	3
Las Tunas Dr	w/o Del Mar Av	Commercial	72.3	72.8	0.5	No	0.0	3
Mission Dr	e/o Walnut Grove Av	Single-Family Residential	70.8	71.2	0.4	No	0.1	3
Mission Rd	between Del Mar Av and California Av	Commercial/Single-Family Residential	68.7	69.1	0.4	No	0.1	3
El Monte St	between Del Mar Av and San Gabriel Bl	Single-Family Residential	58.8	60.7	1.9	No	1.3	3
Mission Rd	between Gladys Av and Walnut Grove Av	Single-Family Residential	70.2	70.7	0.5	No	0.2	3
Mission Rd	between San Gabriel Bl and Gladys Av	Commercial	70.2	70.7	0.5	No	0.2	3
Mission Rd/Grand Av (Mission)	between California Av and San Gabriel Bl	Commercial/Single-Family Residential	69.5	68.3	-1.1	No	0.1	3
Mission Rd/Grand Av (Grand)	between California Av and San Gabriel Bl	Single-Family Residential	53.1	53.6	0.5	No	0.4	3
Mission Rd/Grand Av	e/o California Av	Single-Family Residential/Educational	59.4	61.1	1.8	No	0.1	3
San Gabriel Bl	between Broadway and El Monte St	Commercial	73.2	73.9	0.7	No	0.2	3
San Gabriel Bl	between El Monte St and Grand Av	Commercial	73.0	73.7	0.7	No	0.1	3
San Gabriel Bl	between Grand Av and Mission Rd	Commercial	72.9	73.7	0.8	No	0.2	3
San Gabriel Bl	between Hermosa Dr and Las Tunas Dr	Commercial	72.5	73.1	0.6	No	0.1	3
San Gabriel Bl	between Las Tunas Dr and Broadway	Commercial	72.7	73.5	0.8	No	0.2	3
San Gabriel Bl	between Mission Rd and Valley Bl	Commercial	72.7	73.4	0.8	No	0.2	3
San Gabriel Bl	n/o Hermosa Dr	Commercial	72.8	73.3	0.5	No	0.1	3
San Gabriel Bl	s/o Valley Bl	Commercial	72.5	71.9	-0.6	No	0.1	3
Valley Bl	between Del Mar Av and San Gabriel Bl	Commercial	70.9	73.1	2.1	No	0.0	3
Valley Bl	e/o San Gabriel Bl	Commercial	72.0	73.2	1.2	No	0.1	3
Valley Bl	w/o Del Mar Av	Commercial	72.2	70.3	-1.9	No	0.0	3
Walnut Grove Av	between Grand Av and Mission Dr	Single-Family Residential	66.7	67.0	0.3	No	0.1	3
Walnut Grove Av	n/o Grand Av	Commercial	67.5	68.1	0.7	No	0.1	3
Walnut Grove Av	s/o Mission Dr	Single-Family Residential	67.9	67.6	-0.3	No	0.0	3

H-3 Ambient Noise Measurements

Summary	
File Name on Meter	LxT_Data.072
File Name on PC	SLM_0004983_LxT_Data_072.01.ldbin
Serial Number	0004983
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement	
Description	
Start	2018-09-26 12:22:45
Stop	2018-09-27 12:30:30
Duration	24:07:45.297
Run Time	24:07:45.297
Pause	00:00:00.0
Pre Calibration	2018-09-26 11:28:17
Post Calibration	None
Calibration Deviation	---

Overall Settings			
RMS Weight	A Weighting		
Peak Weight	A Weighting		
Detector	Slow		
Preamp	PRMLxT1		
Microphone Correction	Off		
Integration Method	Exponential		
Overload	144.7 dB		
	A	**C**	**Z**
Under Range Peak	**101.0**	98.0	103.0 dB
Under Range Limit	**50.0**	48.0	56.0 dB
Noise Floor	36.8	37.5	45.1 dB

Results		
LASeq	65.5 dB	
LASE	114.9 dB	
EAS	34.484 mPa²h	
EAS8	11.433 mPa²h	
EAS40	57.166 mPa²h	
LASpeak (max)	2018-09-26 12:25:29	114.5 dB
LASmax	2018-09-26 12:52:40	96.5 dB
LASmin	2018-09-27 02:18:24	42.4 dB
SEA	-99.9 dB	
LAS > 85.0 dB (Exceedance Counts / Duration)	12	28.5 s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s
LCSeq	73.6 dB	
LASeq	65.5 dB	
LCSeq - LASeq	8.1 dB	
LAIeq	67.1 dB	
LAeq	65.5 dB	
LAIeq - LAeq	1.6 dB	

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	65.5					
Ls(max)	96.5	2018/09/26 12:52:40				
Ls(min)	42.4	2018/09/27 2:18:24				
LPeak(max)	114.5	2018/09/26 12:25:29				

Summary

File Name on Meter	LxT_Data.028
File Name on PC	SLM_0005055_LxT_Data_028.00.ldbin
Serial Number	0005055
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2018-09-26 12:44:48
Stop	2018-09-27 12:49:51
Duration	24:05:02.500
Run Time	24:05:02.500
Pause	00:00:00.0
Pre Calibration	2018-09-26 11:30:13
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting			
Peak Weight	A Weighting			
Detector	Slow			
Preamp	PRMLxT1			
Microphone Correction	Off			
Integration Method	Exponential			
Overload	144.4 dB			
	A	**C**	**Z**	
Under Range Peak	**100.7**	97.7	102.7	dB
Under Range Limit	**49.7**	47.7	55.7	dB
Noise Floor	36.5	37.2	44.8	dB

Results

LASeq	56.4 dB		
LASE	105.8 dB		
EAS	4.198 mPa²h		
EAS8	1.395 mPa²h		
EAS40	6.973 mPa²h		
LASpeak (max)	2018-09-26 12:45:17	106.7	dB
LASmax	2018-09-26 12:56:48	89.6	dB
LASmin	2018-09-27 02:52:09	40.8	dB
SEA	-99.9 dB		
LAS > 85.0 dB (Exceedance Counts / Duration)	2	6.5	s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0	s
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0	s
LASpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0	s
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0	s
LCSeq	68.5 dB		
LASeq	56.4 dB		
LCSeq - LASeq	12.1 dB		
LAIeq	59.0 dB		
LAeq	56.4 dB		
LAIeq - LAeq	2.6 dB		

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	56.4					
Ls(max)	89.6	2018/09/26 12:56:48				
Ls(min)	40.8	2018/09/27 2:52:09				
LPeak(max)	106.7	2018/09/26 12:45:17				

Summary

File Name on Meter	LxT_Data.019
File Name on PC	SLM_0004285_LxT_Data_019.01.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2018-09-26 14:11:01
Stop	2018-09-26 14:26:01
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre Calibration	2018-09-26 11:26:51
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting			
Peak Weight	A Weighting			
Detector	Slow			
Preamp	PRMLxT2B			
Microphone Correction	Off			
Integration Method	Exponential			
Overload	144.2 dB			
	A	**C**	**Z**	
Under Range Peak	**100.4**	97.4	102.4	dB
Under Range Limit	**49.4**	47.4	55.4	dB
Noise Floor	36.3	36.9	44.6	dB

Results

LASeq	60.9 dB	
LASE	90.5 dB	
EAS	124.127 µPa²h	
EAS8	3.972 mPa²h	
EAS40	19.860 mPa²h	
LASpeak (max)	2018-09-26 14:12:16	90.1 dB
LASmax	2018-09-26 14:12:17	77.0 dB
LASmin	2018-09-26 14:13:04	47.2 dB
SEA	-99.9 dB	
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s
LCSeq	71.1 dB	
LASeq	60.9 dB	
LCSeq - LASeq	10.2 dB	
LAIeq	62.5 dB	
LAeq	60.9 dB	
LAIeq - LAeq	1.5 dB	

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	60.9					
Ls(max)	77.0	2018/09/26 14:12:17				
Ls(min)	47.2	2018/09/26 14:13:04				
LPeak(max)	90.1	2018/09/26 14:12:16				

Summary

File Name on Meter	LxT_Data.019
File Name on PC	SLM_0004285_LxT_Data_019.01.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2018-09-26 14:11:01
Stop	2018-09-26 14:26:01
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre Calibration	2018-09-26 11:26:51
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting			
Peak Weight	A Weighting			
Detector	Slow			
Preamp	PRMLxT2B			
Microphone Correction	Off			
Integration Method	Exponential			
Overload	144.2 dB			
	A	**C**	**Z**	
Under Range Peak	**100.4**	97.4	102.4	dB
Under Range Limit	**49.4**	47.4	55.4	dB
Noise Floor	36.3	36.9	44.6	dB

Results

LASeq	60.9 dB		
LASE	90.5 dB		
EAS	124.127 µPa²h		
EAS8	3.972 mPa²h		
EAS40	19.860 mPa²h		
LASpeak (max)	2018-09-26 14:12:16	90.1 dB	
LASmax	2018-09-26 14:12:17	77.0 dB	
LASmin	2018-09-26 14:13:04	47.2 dB	
SEA	-99.9 dB		
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LASpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LCSeq	71.1 dB		
LASeq	60.9 dB		
LCSeq - LASeq	10.2 dB		
LAIeq	62.5 dB		
LAeq	60.9 dB		
LAIeq - LAeq	1.5 dB		

	A		C		Z	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	60.9					
Ls(max)	77.0	2018/09/26 14:12:17				
Ls(min)	47.2	2018/09/26 14:13:04				
LPeak(max)	90.1	2018/09/26 14:12:16				

Summary

File Name on Meter	LxT_Data.024
File Name on PC	SLM_0004285_LxT_Data_024.01.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2018-09-26 15:56:28
Stop	2018-09-26 16:11:28
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre Calibration	2018-09-26 11:26:51
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting		
Peak Weight	A Weighting		
Detector	Slow		
Preamp	PRMLxT2B		
Microphone Correction	Off		
Integration Method	Exponential		
Overload	144.2 dB		
	A	**C**	**Z**
Under Range Peak	**100.4**	97.4	102.4 dB
Under Range Limit	**49.4**	47.4	55.4 dB
Noise Floor	36.3	36.9	44.6 dB

Results

LASeq	54.1 dB	
LASE	83.7 dB	
EAS	25.906 µPa²h	
EAS8	828.992 µPa²h	
EAS40	4.145 mPa²h	
LASpeak (max)	2018-09-26 15:56:31	85.3 dB
LASmax	2018-09-26 16:03:14	68.3 dB
LASmin	2018-09-26 16:06:32	46.4 dB
SEA	-99.9 dB	
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s
LCSeq	67.7 dB	
LASeq	54.1 dB	
LCSeq - LASeq	13.6 dB	
LAIeq	55.5 dB	
LAeq	54.1 dB	
LAIeq - LAeq	1.4 dB	

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	54.1					
Ls(max)	68.3	2018/09/26 16:03:14				
Ls(min)	46.4	2018/09/26 16:06:32				
LPeak(max)	85.3	2018/09/26 15:56:31				

Summary	
File Name on Meter	LxT_Data.025
File Name on PC	SLM_0004285_LxT_Data_025.01.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement	
Description	
Start	2018-09-26 16:17:25
Stop	2018-09-26 16:32:25
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre Calibration	2018-09-26 11:26:51
Post Calibration	None
Calibration Deviation	---

Overall Settings				
RMS Weight	A Weighting			
Peak Weight	A Weighting			
Detector	Slow			
Preamp	PRMLxT2B			
Microphone Correction	Off			
Integration Method	Exponential			
Overload	144.2 dB			
	A	**C**	**Z**	
Under Range Peak	**100.4**	97.4	102.4	dB
Under Range Limit	**49.4**	47.4	55.4	dB
Noise Floor	36.3	36.9	44.6	dB

Results			
LASeq	57.0 dB		
LASE	86.5 dB		
EAS	49.854 µPa²h		
EAS8	1.595 mPa²h		
EAS40	7.977 mPa²h		
LASpeak (max)	2018-09-26 16:30:02	91.8 dB	
LASmax	2018-09-26 16:30:02	75.7 dB	
LASmin	2018-09-26 16:26:45	43.8 dB	
SEA	-99.9 dB		
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LASpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LCSeq	71.1 dB		
LASeq	57.0 dB		
LCSeq - LASeq	14.1 dB		
LAIeq	59.3 dB		
LAeq	57.0 dB		
LAIeq - LAeq	2.4 dB		

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
Leq	57.0					
Ls(max)	75.7	2018/09/26 16:30:02				
Ls(min)	43.8	2018/09/26 16:26:45				
LPeak(max)	91.8	2018/09/26 16:30:02				

# Overloads	0
Overload Duration	0.0 s

Summary

File Name on Meter	LxT_Data.023
File Name on PC	SLM_0004285_LxT_Data_023.01.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2018-09-26 15:36:29
Stop	2018-09-26 15:51:29
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre Calibration	2018-09-26 11:26:51
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting		
Peak Weight	A Weighting		
Detector	Slow		
Preamp	PRMLxT2B		
Microphone Correction	Off		
Integration Method	Exponential		
Overload	144.2 dB		
	A	**C**	**Z**
Under Range Peak	**100.4**	97.4	102.4 dB
Under Range Limit	**49.4**	47.4	55.4 dB
Noise Floor	36.3	36.9	44.6 dB

Results

LASeq	59.3 dB	
LASE	88.9 dB	
EAS	86.056 µPa²h	
EAS8	2.754 mPa²h	
EAS40	13.769 mPa²h	
LASpeak (max)	2018-09-26 15:40:38	90.6 dB
LASmax	2018-09-26 15:50:09	71.4 dB
LASmin	2018-09-26 15:38:23	48.9 dB
SEA	-99.9 dB	
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s
LCSeq	69.1 dB	
LASeq	59.3 dB	
LCSeq - LASeq	9.7 dB	
LAIeq	61.5 dB	
LAeq	59.3 dB	
LAIeq - LAeq	2.2 dB	

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	59.3					
Ls(max)	71.4	2018/09/26 15:50:09				
Ls(min)	48.9	2018/09/26 15:38:23				
LPeak(max)	90.6	2018/09/26 15:40:38				

Summary

File Name on Meter	LxT_Data.022
File Name on PC	SLM_0004285_LxT_Data_022.01.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2018-09-26 15:16:16
Stop	2018-09-26 15:31:16
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre Calibration	2018-09-26 11:26:51
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting		
Peak Weight	A Weighting		
Detector	Slow		
Preamp	PRMLxT2B		
Microphone Correction	Off		
Integration Method	Exponential		
Overload	144.2 dB		
	A	**C**	**Z**
Under Range Peak	**100.4**	97.4	102.4 dB
Under Range Limit	**49.4**	47.4	55.4 dB
Noise Floor	36.3	36.9	44.6 dB

Results

LASeq	56.8 dB	
LASE	86.3 dB	
EAS	47.604 µPa²h	
EAS8	1.523 mPa²h	
EAS40	7.617 mPa²h	
LASpeak (max)	2018-09-26 15:25:11	88.9 dB
LASmax	2018-09-26 15:25:11	70.3 dB
LASmin	2018-09-26 15:17:12	47.2 dB
SEA	-99.9 dB	
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s
LCSeq	67.3 dB	
LASeq	56.8 dB	
LCSeq - LASeq	10.6 dB	
LAIeq	59.4 dB	
LAeq	56.8 dB	
LAIeq - LAeq	2.6 dB	

	A		C		Z	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	56.8					
Ls(max)	70.3	2018/09/26 15:25:11				
Ls(min)	47.2	2018/09/26 15:17:12				
LPeak(max)	88.9	2018/09/26 15:25:11				

Summary

File Name on Meter	LxT_Data.020
File Name on PC	SLM_0004285_LxT_Data_020.01.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2018-09-26 14:35:45
Stop	2018-09-26 14:50:45
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre Calibration	2018-09-26 11:26:51
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting		
Peak Weight	A Weighting		
Detector	Slow		
Preamp	PRMLxT2B		
Microphone Correction	Off		
Integration Method	Exponential		
Overload	144.2 dB		
	A	**C**	**Z**
Under Range Peak	**100.4**	97.4	102.4 dB
Under Range Limit	**49.4**	47.4	55.4 dB
Noise Floor	36.3	36.9	44.6 dB

Results

LASeq	58.2 dB	
LASE	87.7 dB	
EAS	65.598 µPa²h	
EAS8	2.099 mPa²h	
EAS40	10.496 mPa²h	
LASpeak (max)	2018-09-26 14:40:27	88.2 dB
LASmax	2018-09-26 14:42:07	71.1 dB
LASmin	2018-09-26 14:37:16	52.0 dB
SEA	-99.9 dB	
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s
LCSeq	71.1 dB	
LASeq	58.2 dB	
LCSeq - LASeq	12.9 dB	
LAIeq	60.3 dB	
LAeq	58.2 dB	
LAIeq - LAeq	2.1 dB	

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	58.2					
Ls(max)	71.1	2018/09/26 14:42:07				
Ls(min)	52.0	2018/09/26 14:37:16				
LPeak(max)	88.2	2018/09/26 14:40:27				

Summary

File Name on Meter	LxT_Data.021
File Name on PC	SLM_0004285_LxT_Data_021.01.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2018-09-26 14:55:35
Stop	2018-09-26 15:10:35
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre Calibration	2018-09-26 11:26:51
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting		
Peak Weight	A Weighting		
Detector	Slow		
Preamp	PRMLxT2B		
Microphone Correction	Off		
Integration Method	Exponential		
Overload	144.2 dB		
	A	**C**	**Z**
Under Range Peak	**100.4**	97.4	102.4 dB
Under Range Limit	**49.4**	47.4	55.4 dB
Noise Floor	36.3	36.9	44.6 dB

Results

LASeq	66.6 dB	
LASE	96.2 dB	
EAS	459.769 µPa²h	
EAS8	14.713 mPa²h	
EAS40	73.563 mPa²h	
LASpeak (max)	2018-09-26 15:09:01	102.0 dB
LASmax	2018-09-26 15:08:59	80.9 dB
LASmin	2018-09-26 15:05:28	57.7 dB
SEA	-99.9 dB	
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s
LCSeq	78.7 dB	
LASeq	66.6 dB	
LCSeq - LASeq	12.1 dB	
LAIeq	68.3 dB	
LAeq	66.6 dB	
LAIeq - LAeq	1.7 dB	

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	66.6					
Ls(max)	80.9	2018/09/26 15:08:59				
Ls(min)	57.7	2018/09/26 15:05:28				
LPeak(max)	102.0	2018/09/26 15:09:01				

Summary

File Name on Meter	LxT_Data.018
File Name on PC	SLM_0004285_LxT_Data_018.01.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2018-09-26 13:52:25
Stop	2018-09-26 14:07:25
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre Calibration	2018-09-26 11:26:52
Post Calibration	None
Calibration Deviation	---

Overall Settings

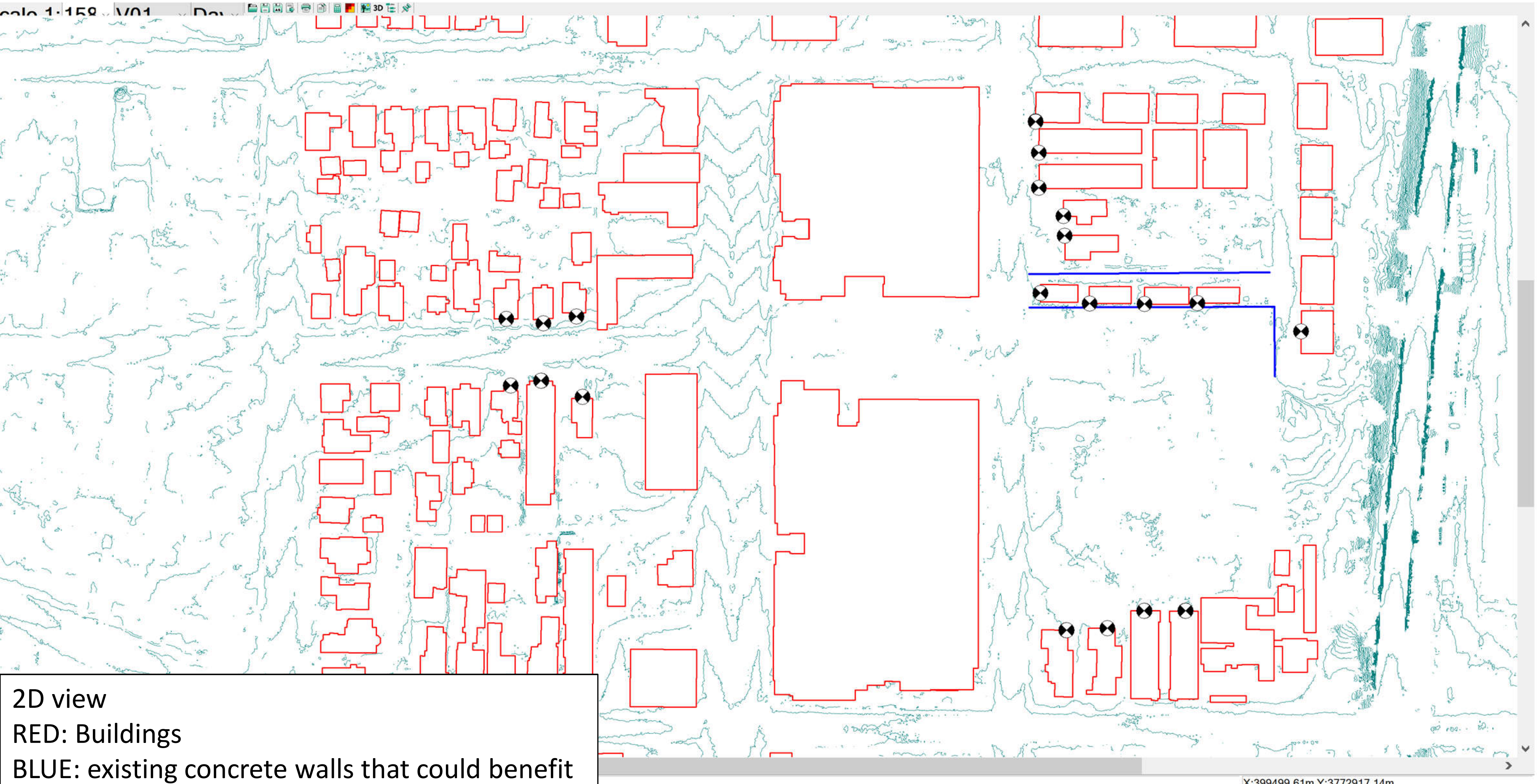
RMS Weight	A Weighting			
Peak Weight	A Weighting			
Detector	Slow			
Preamp	PRMLxT2B			
Microphone Correction	Off			
Integration Method	Exponential			
Overload	144.2 dB			
	A	**C**	**Z**	
Under Range Peak	**100.4**	97.4	102.4	dB
Under Range Limit	**49.4**	47.4	55.4	dB
Noise Floor	36.3	36.9	44.6	dB

Results

LASeq	64.0 dB		
LASE	93.6 dB		
EAS	253.275 µPa²h		
EAS8	8.105 mPa²h		
EAS40	40.524 mPa²h		
LASpeak (max)	2018-09-26 14:01:13	104.8	dB
LASmax	2018-09-26 14:01:13	86.1	dB
LASmin	2018-09-26 13:57:24	44.5	dB
SEA	-99.9 dB		
LAS > 85.0 dB (Exceedance Counts / Duration)	1	1.1	s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0	s
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0	s
LASpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0	s
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0	s
LCSeq	70.7 dB		
LASeq	64.0 dB		
LCSeq - LASeq	6.7 dB		
LAIeq	68.9 dB		
LAeq	64.0 dB		
LAIeq - LAeq	4.8 dB		

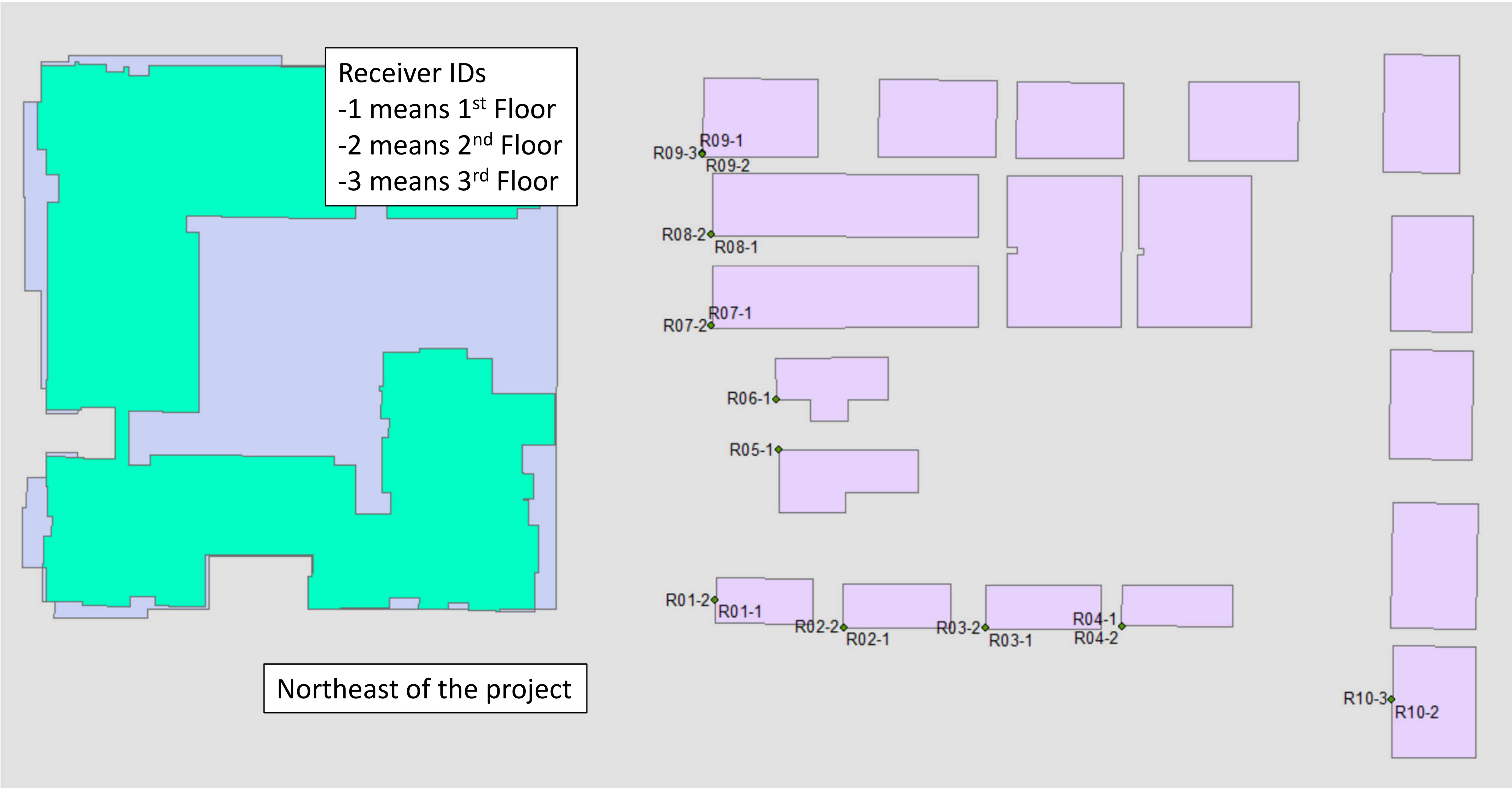
	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	64.0					
Ls(max)	86.1	2018/09/26 14:01:13				
Ls(min)	44.5	2018/09/26 13:57:24				
LPeak(max)	104.8	2018/09/26 14:01:13				

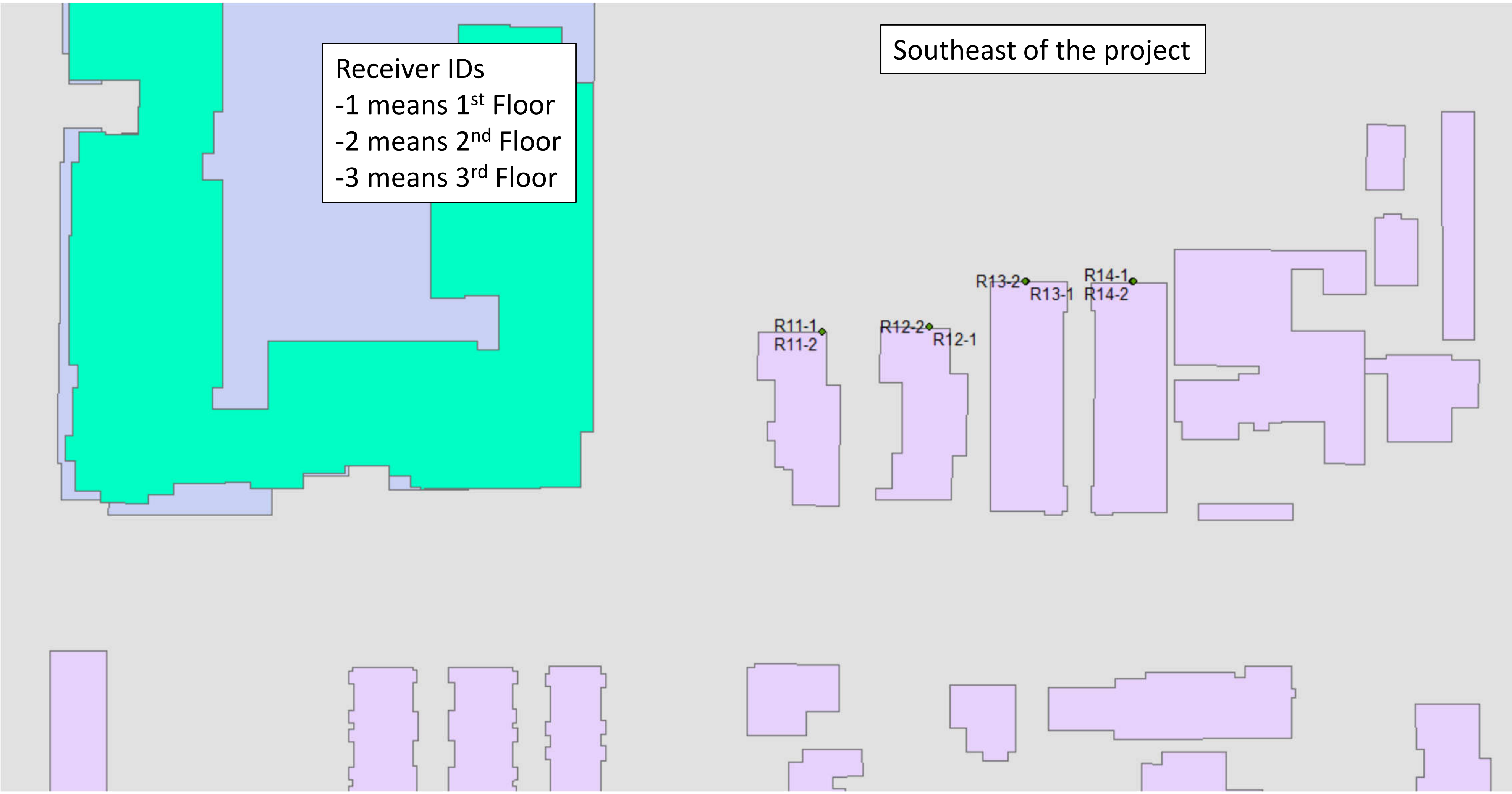
H-4 Noise Modeling



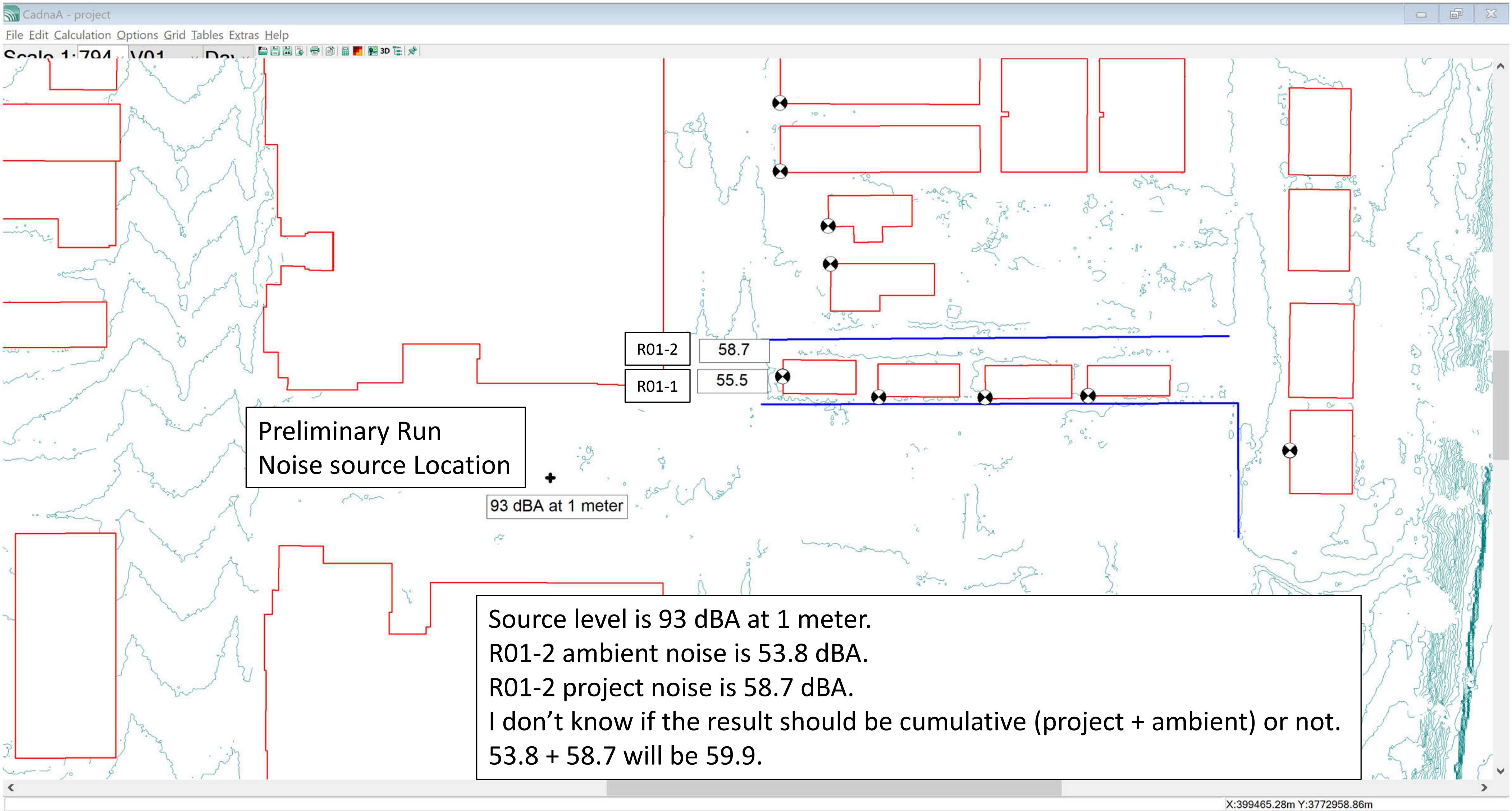
2D view
RED: Buildings
BLUE: existing concrete walls that could benefit
GREEN: topo
DOT: residential receivers


CadnaA 3D (Intel(R) UHD Graphics 620) (Deferred = 1)
File Display Camera and Scene Help!
3D view
> -99.0 dB
> 35.0 dB
> 40.0 dB
> 45.0 dB
> 50.0 dB
> 55.0 dB
> 60.0 dB
> 65.0 dB
> 70.0 dB
> 75.0 dB
> 80.0 dB
> 85.0 dB

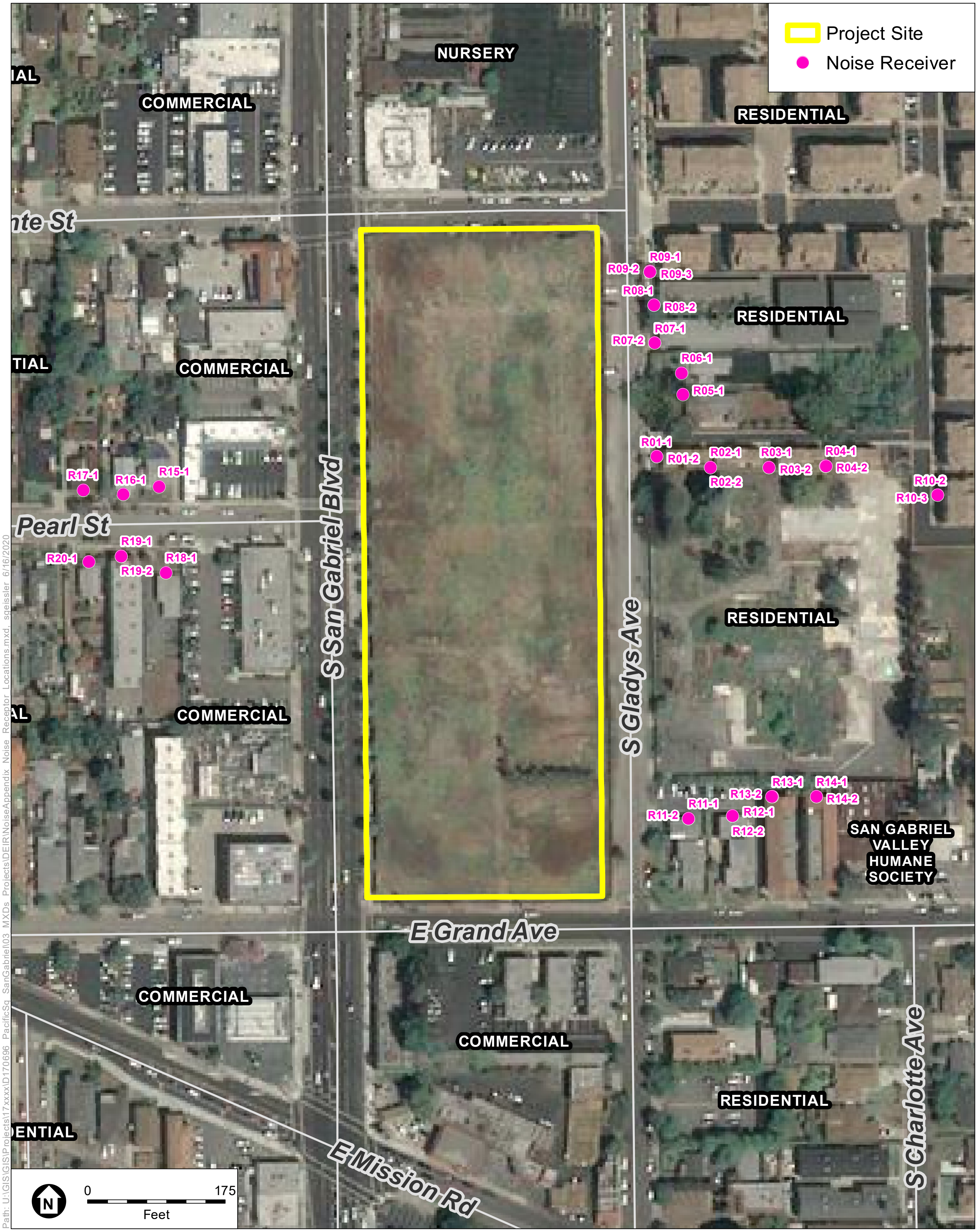

Receiver IDs
-1 means 1st Floor
-2 means 2nd Floor
-3 means 3rd Floor
Northeast of the project
R09-1
R09-3
R09-2
R08-2
R08-1
R07-1
R07-2
R06-1
R05-1
R01-2
R01-1
R02-2
R02-1
R03-2
R03-1
R04-1
R04-2
R10-3
R10-2


Receiver IDs
-1 means 1st Floor
-2 means 2nd Floor
-3 means 3rd Floor
Southeast of the project
R11-1
R11-2
R12-2
R12-1
R13-2
R13-1
R14-1
R14-2


West of the project
R17-1
R16-1
R15-1
R20-1
R19-2
R19-1
R18-1
Receiver IDs
-1 means 1st Floor
-2 means 2nd Floor
-3 means 3rd Floor



CadnaA - project
File Edit Calculation Options Grid Tables Extras Help
R01-2
58.7
R01-1
55.5
Preliminary Run
Noise source Location
93 dBA at 1 meter
Source level is 93 dBA at 1 meter.
R01-2 ambient noise is 53.8 dBA.
R01-2 project noise is 58.7 dBA.
I don’t know if the result should be cumulative (project + ambient) or not.
53.8 + 58.7 will be 59.9.
X:399465.28m Y:3772958.86m



SOURCE: EOS Landviewer, 2019.

Pacific Square San Gabriel Mixed-Use Project

Noise Modeling Figure
Noise Receptor Locations

ESA

EVENT NOISE MODELING RESULTS

		Distance (ft)	Ambient		R1		64.1 dBA at	40 feet
Receiver -	Receiver	from	Noise	wkly market	wkly market	Special Event		
1- or 2-story	Height (ft)	San Gabriel Blvd	Level (dBA)	w/out music	with music	music/movie		
R01-1	1.5	425	53.8	50.3	55.2	54.8		
R01-2	4.5	425	53.8	51.7	56.9	56.6		
R02-1	1.5	490	53.2	41.6	47.7	47.7		
R02-2	4.5	490	53.2	47	53.8	54		
R03-1	1.5	565	52.6	38.4	44.3	44.2		
R03-2	4.5	565	52.6	44.3	51.1	51.2		
R04-1	1.5	640	52.1	34.4	40.9	41		
R04-2	4.5	640	52.1	41.2	48.7	49		
R05-1	1.5	455	53.5	43.9	49.2	48.9		
R06-1	1.5	455	53.5	44.7	50.3	50.2		
R07-1	1.5	420	53.9	41.8	42.7	38.6		
R07-2	4.5	420	53.9	42.9	43.9	40.2		
R08-1	1.5	420	53.9	37.9	38.6	34.2		
R08-2	4.5	420	53.9	39.3	39.9	35.2		
R09-1	1.5	420	53.9	35.9	36.6	32		
R09-2	4.5	420	53.9	37.7	38.2	32.9		
R09-3	7.5	420	53.9	38.7	39.1	33.6		
R10-2	4.5	775	51.2	38.9	45.6	45.8		
R10-3	7.5	775	51.2	38.9	45.6	45.8		
R11-1	1.5	465	53.4	33.8	34.6	30.5		
R11-2	4.5	465	53.4	36.9	37.3	32		
R12-1	1.5	520	53.0	34.7	39.3	38.9		
R12-2	4.5	520	53.0	38	41.7	40.8		
R13-1	1.5	570	52.6	35.9	42.9	43.1		
R13-2	4.5	570	52.6	39.5	44.3	43.9		
R14-1	1.5	625	52.2	36.1	42.7	42.8		
R14-2	4.5	625	52.2	39.7	45.4	45.3		
R15-1	1.5	205	57.0	27.5	34.2	34.4		
R16-1	1.5	255	56.1	37.9	44.7	44.9		
R17-1	1.5	300	55.3	35.5	41.9	42		
R18-1	1.5	205	57.0	36.6	42.2	42		
R19-1	1.5	255	56.1	39.8	47.1	47.4		
R19-2	4.5	255	56.1	42.2	48.2	48.2		
R20-1	1.5	300	55.3	35.3	41.5	41.5		

R01-1	Weekly market without music		
	Ambient	53.8	
	Ambient + 5	58.8	threshold
Speaker			
none	0		
People			
half normal	51.7		
none	0		
none	0		
Result	55.9	<-- not to exceed 58.8	

R01-1	Weekly market with music		
	Ambient	53.8	
	Ambient + 5	58.8	threshold
Speaker			
90 at 1 meter	55.3		
People			
half normal	51.7		
none	0		
none	0		
Result	**58.6**	<-- not to exceed 58.8	

R01-1	Special event with music or movie		
	Ambient	53.8	
	Ambient + 5	58.8	threshold
Speaker			
91 at 1 meter	56.3		
People			
10% normal	44.8		
none	0		
none	0		
Result	**58.4**	<-- not to exceed 58.8	