

Source: Google Maps

200 ft.

- Project Site
 - Residential and Other Uses
- Noise Measurement Locations**
- 1 Brentwood Science Magnet School
 - 2 Brentwood Presbyterian Church
 - 3 Chabad Jewish Center
 - 4 Gan Chaya Jewish Early Childhood Center
 - 5 Residence - 640 Saltair Avenue
 - 6 Residence - 11900 Saltair Terrace
 - 7 Residence - 529 Westgate Avenue



DOUGLASKIM+ASSOCIATES, LLC

Figure 1
Noise Measurement Locations



DOUGLASKIM+ASSOCIATES,LLC

AMBIENT NOISE MEASUREMENTS

Session Report

Information Panel

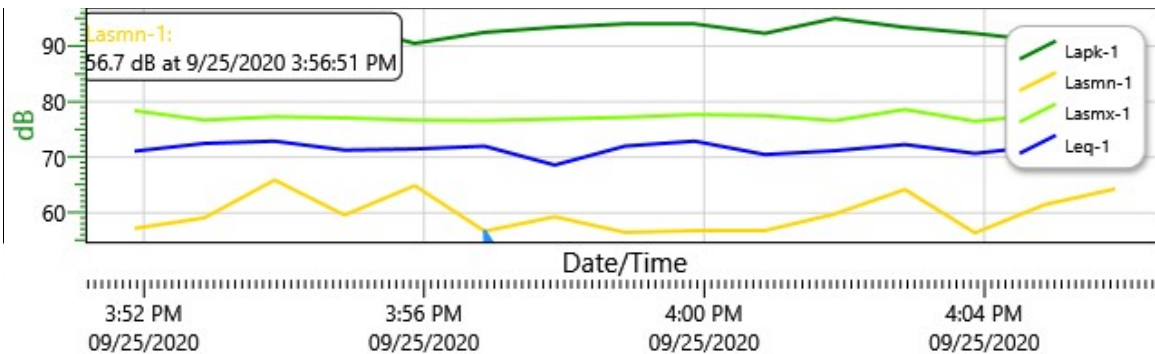
Name	Brentwood Science Magnet School
Comments	
Start Time	9/25/2020 3:50:52 PM
Stop Time	9/25/2020 4:05:56 PM
Run Time	00:15:04
Serial Number	SE40213991
Device Name	SE40213991
Model Type	Sound Examiner
Device Firmware Rev	R.11C
Company Name	
Description	
Location	
User Name	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	71.7 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF

Logged Data Chart

Brentwood Science Magnet School: Logged Data Chart



Logged Data Table

Date/Time	Lapk-1	Lasmn-1	Lasmx-1	Leq-1
-----------	--------	---------	---------	-------

Date/Time	Lapk-1	Lasmn-1	Lasmx-1	Leq-1
9/25/2020 3:51:52 PM	95.1	57.2	78.4	71.1
3:52:52 PM	90.5	59.1	76.7	72.5
3:53:52 PM	90.7	65.9	77.3	72.9
3:54:52 PM	93.9	59.6	77.1	71.3
3:55:52 PM	90.5	64.9	76.7	71.5
3:56:52 PM	92.5	56.7	76.6	72
3:57:52 PM	93.4	59.3	76.9	68.6
3:58:52 PM	94	56.5	77.2	72
3:59:52 PM	94	56.8	77.7	72.9
4:00:52 PM	92.3	56.8	77.5	70.5
4:01:52 PM	95	59.8	76.6	71.2
4:02:52 PM	93.4	64.2	78.6	72.3
4:03:52 PM	92.3	56.4	76.5	70.7
4:04:52 PM	90.9	61.5	77.7	72.1
4:05:52 PM	91.7	64.3	77.1	72.5

Session Report

Information Panel

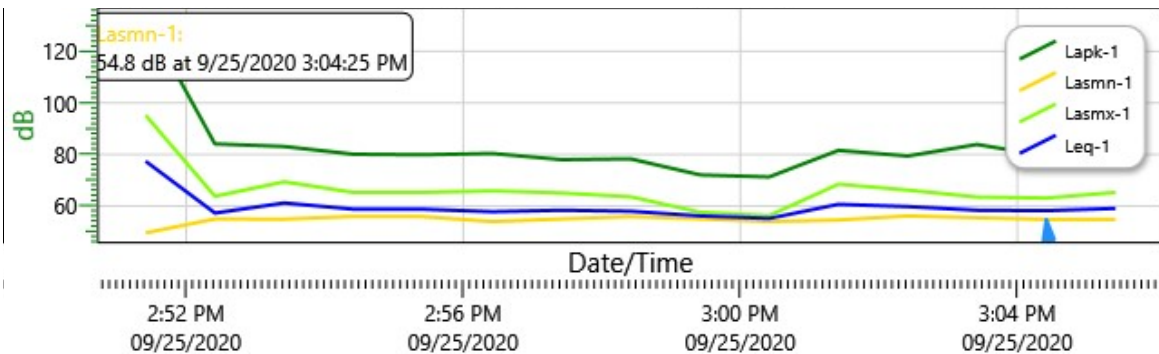
Name	Brentwood Presbyterian Church
Comments	
Start Time	9/25/2020 2:50:25 PM
Stop Time	9/25/2020 3:05:42 PM
Run Time	00:15:17
Serial Number	SE40213991
Device Name	SE40213991
Model Type	Sound Examiner
Device Firmware Rev	R.11C
Company Name	
Description	
Location	
User Name	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	66.3 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF

Logged Data Chart

Brentwood Presbyterian Church: Logged Data Chart



Logged Data Table

Date/Time	Lapk-1	Lasmn-1	Lasmx-1	Leq-1
-----------	--------	---------	---------	-------

Date/Time	Lapk-1	Lasmn-1	Lasmx-1	Leq-1
9/25/2020 2:51:25 PM	133	49.6	95.2	77.4
2:52:25 PM	84.1	55	63.8	57.3
2:53:25 PM	83.1	54.9	69.4	61.2
2:54:25 PM	80.1	56	65.3	58.8
2:55:25 PM	79.9	55.9	65.3	58.8
2:56:25 PM	80.4	54	65.9	57.8
2:57:25 PM	78	55	65.1	58.4
2:58:25 PM	78.3	55.9	63.6	58
2:59:25 PM	72.1	55	57.6	56.2
3:00:25 PM	71.3	54	56.3	55.2
3:01:25 PM	81.6	54.6	68.5	60.7
3:02:25 PM	79.4	56.2	66.2	59.8
3:03:25 PM	83.9	55.5	63.5	58.4
3:04:25 PM	79.4	54.8	63.1	58.2
3:05:25 PM	79.6	54.8	65.3	59.1

Session Report

Information Panel

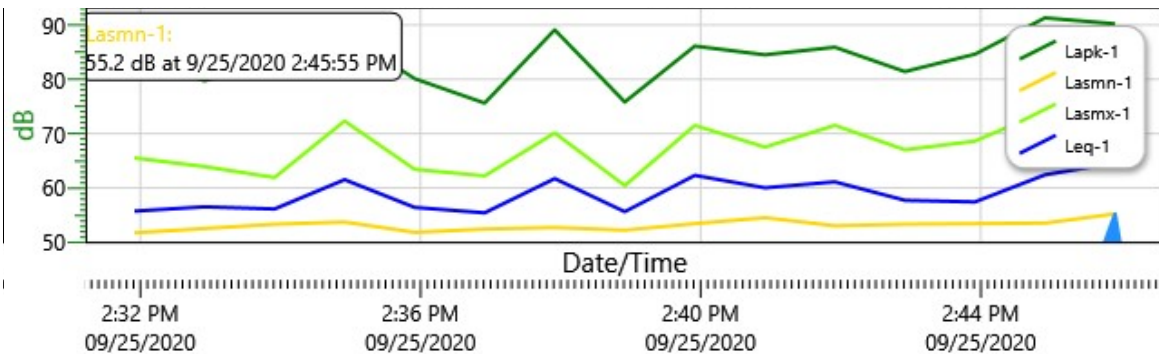
Name	Chabad Jewish Center of Brentwood
Comments	
Start Time	9/25/2020 2:30:55 PM
Stop Time	9/25/2020 2:45:58 PM
Run Time	00:15:03
Serial Number	SE40213991
Device Name	SE40213991
Model Type	Sound Examiner
Device Firmware Rev	R.11C
Company Name	
Description	
Location	
User Name	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	60 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF

Logged Data Chart

Chabad Jewish Center of Brentwood: Logged Data Chart



Logged Data Table

Date/Time	Lapk-1	Lasmn-1	Lasmx-1	Leq-1
-----------	--------	---------	---------	-------

Date/Time	Lapk-1	Lasmn-1	Lasmx-1	Leq-1
9/25/2020 2:31:55 PM	84.6	51.7	65.5	55.7
2:32:55 PM	79.7	52.5	63.9	56.5
2:33:55 PM	83.5	53.3	61.9	56.1
2:34:55 PM	88.4	53.7	72.3	61.5
2:35:55 PM	80.1	51.8	63.4	56.4
2:36:55 PM	75.6	52.4	62.2	55.4
2:37:55 PM	89.1	52.7	70.1	61.7
2:38:55 PM	75.8	52.2	60.4	55.6
2:39:55 PM	86.1	53.4	71.5	62.3
2:40:55 PM	84.5	54.5	67.5	60
2:41:55 PM	85.9	53	71.5	61.1
2:42:55 PM	81.4	53.3	67	57.7
2:43:55 PM	84.6	53.4	68.6	57.4
2:44:55 PM	91.3	53.5	74.1	62.4
2:45:55 PM	90.2	55.2	76.9	64.6

Session Report

Information Panel

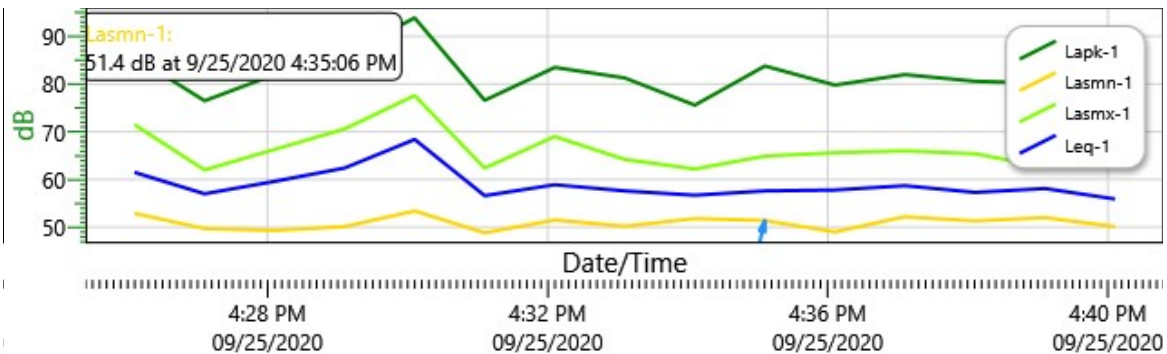
Name	Gan Chaya Jewish Early Childhood Center
Comments	
Start Time	9/25/2020 4:25:06 PM
Stop Time	9/25/2020 4:40:08 PM
Run Time	00:15:02
Serial Number	SE40213991
Device Name	SE40213991
Model Type	Sound Examiner
Device Firmware Rev	R.11C
Company Name	
Description	
Location	
User Name	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	60.5 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF

Logged Data Chart

Gan Chaya Jewish Early Childhood Center: Logged Data Chart



Logged Data Table

Date/Time	Lapk-1	Lasmn-1	Lasmx-1	Leq-1
-----------	--------	---------	---------	-------

Date/Time	Lapk-1	Lasmn-1	Lasmx-1	Leq-1
9/25/2020 4:26:06 PM	85.7	52.9	71.5	61.5
4:27:06 PM	76.5	49.7	62	57
4:28:06 PM	82	49.3	66.3	59.6
4:29:06 PM	86.1	50.1	70.6	62.4
4:30:06 PM	93.9	53.4	77.6	68.4
4:31:06 PM	76.6	48.8	62.4	56.6
4:32:06 PM	83.5	51.5	69	58.9
4:33:06 PM	81.3	50.2	64.2	57.6
4:34:06 PM	75.6	51.8	62.2	56.7
4:35:06 PM	83.8	51.4	64.9	57.6
4:36:06 PM	79.8	49	65.6	57.8
4:37:06 PM	82	52.2	66	58.7
4:38:06 PM	80.6	51.3	65.4	57.3
4:39:06 PM	80.2	52	62.6	58.1
4:40:06 PM	86.9	50.1	62.6	55.9

Session Report

Information Panel

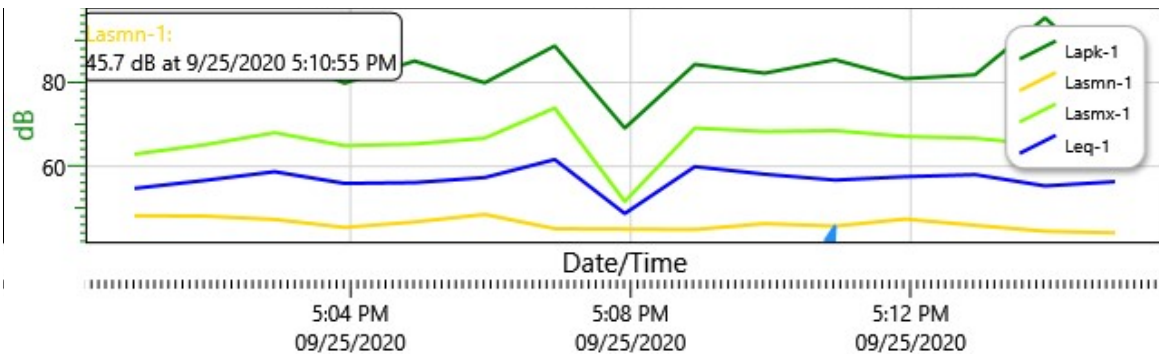
Name	Residence - 640 Saltair Avenue
Comments	
Start Time	9/25/2020 4:59:55 PM
Stop Time	9/25/2020 5:14:59 PM
Run Time	00:15:04
Serial Number	SE40213991
Device Name	SE40213991
Model Type	Sound Examiner
Device Firmware Rev	R.11C
Company Name	
Description	
Location	
User Name	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	57.4 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF

Logged Data Chart

Residence - 640 Saltair Avenue: Logged Data Chart



Logged Data Table

Date/Time	Lapk-1	Lasmn-1	Lasmx-1	Leq-1
-----------	--------	---------	---------	-------

Date/Time	Lapk-1	Lasmn-1	Lasmx-1	Leq-1
9/25/2020 5:00:55 PM	82.4	48.2	62.9	54.7
5:01:55 PM	87.1	48.1	65.1	56.6
5:02:55 PM	86.8	47.3	68	58.7
5:03:55 PM	79.8	45.4	64.9	55.9
5:04:55 PM	85.1	46.7	65.3	56.1
5:05:55 PM	79.9	48.5	66.7	57.3
5:06:55 PM	88.7	45.1	73.9	61.6
5:07:55 PM	69.1	45	51.6	48.7
5:08:55 PM	84.3	44.9	69.1	59.9
5:09:55 PM	82.2	46.3	68.3	58.1
5:10:55 PM	85.4	45.7	68.5	56.7
5:11:55 PM	80.9	47.4	67.1	57.5
5:12:55 PM	81.8	45.9	66.7	58
5:13:55 PM	95.4	44.5	65	55.3
5:14:55 PM	80.4	44.1	66.9	56.3

Session Report

General Information

Name	Residence - 11900 Saltair Terrace 529 Westgate Avenue
Comments	
Start Time	9/25/2020 1:58:09 PM
Stop Time	9/25/2020 2:13:12 PM
Run Time	00:15:03
Model Type	Sound Examiner
Serial Number	SE40213991
Device Firmware Rev	R.11C
Company Name	
Description	
Location	
User Name	

Summary Data

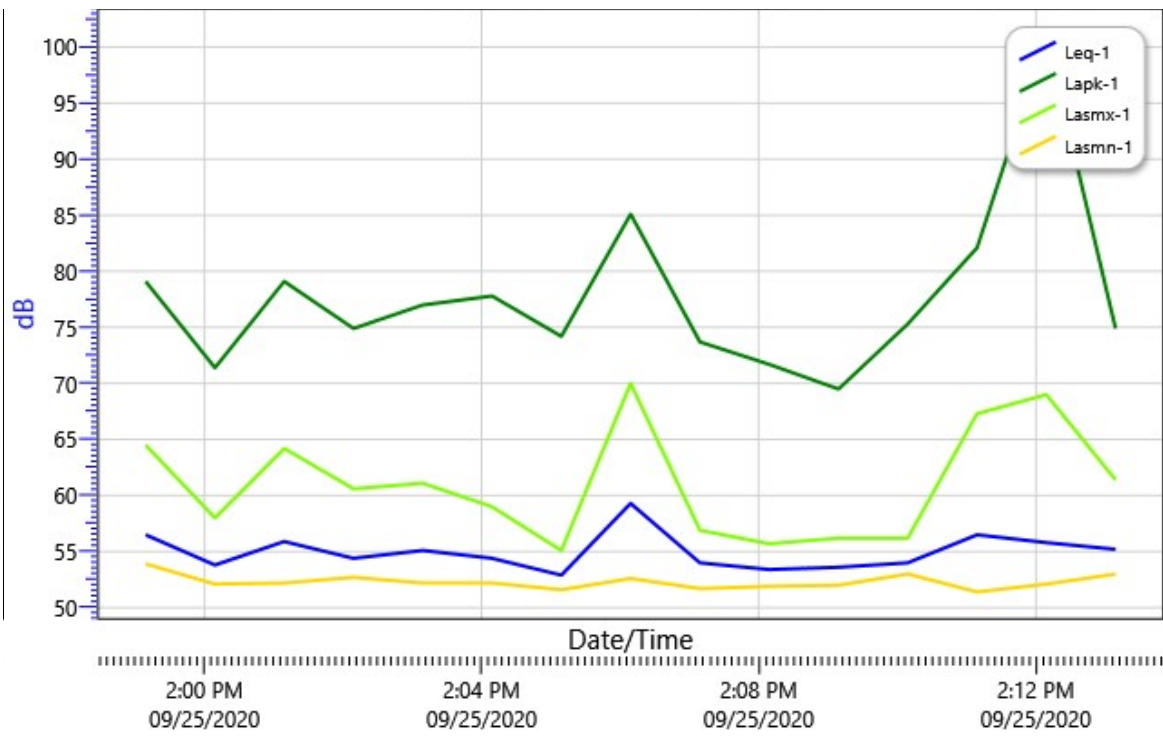
Description	Meter	Value	Description	Meter	Value
Dose	1	0 %	Pdose (8:00)	1	0 %
Lavg	1	--	Lpk	1	--
Leq	1	55.3 dB	TWA	1	40.2 dB
UL Time	1	00:00:00	SEL	1	84.8 dB
Exp Sec	1	0.1 Pa ² -Sec	ProjectedTWA (8:00)	1	55.3 dB
Mntime	1	9/25/2020 2:10:55 PM	Mxtime	1	9/25/2020 2:05:54 PM
PKtime	1	9/25/2020 2:11:42 PM			
Weighting	1	--	Range Ceiling	1	--
Criterion Level	1	--	ULL	1	--
Dynamic Range	1	--	Exchange Rate	1	--
Response	1	--	Int Threshold	1	--
Alarm Level 1	1	--	AlarmLevel2	1	--
Dosimeter Name	1	--			

Calibration History

Date	Calibration Action	Level	Cal. Model Type	Serial Number	Cert. Due Date
1/9/2020 8:25:48 AM	Calibration	66.0			

Logged Data Chart

Residence - 11900 Saltair Terrace 529 Westgate Avenue: Logged Data Chart - Read Only



Construction Noise Impact Analysis

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640 Saltair Ave Residence: DEMOLITION

Ambient Noise Level:	57.4 dBA Leq
Distance:	265 feet

Unmitigated

Equipment Noise Levels

Equipment	Noise Level - 50ft dBA Leq	Usage %	Workday Noise Level - 50ft dBA Leq
Excavator	75.9	0.4	71.9
Loader	72.4	0.4	68.4
Loader	72.4	0.4	68.4
-	0	1	0.0
-	0	1	0.0
Combined dBA Leq:			75.6

Unmitigated Construction Noise Impact

Combined Equipment Noise Level	75.6 dBA Leq
Total Shielding (existing building rows/sound barrier)	0 dBA
Ground Factor	0
Distance - Equipment to Receptor	265 ft
Unmitigated Construction Noise Level	61.1 dBA Leq
Ambient Noise Level	57.4 dBA
New Noise Level	62.7 dBA Leq
Unmitigated Noise Increase	5.3 dBA

Mitigated

Equipment Noise Levels

Equipment	Noise Level - 50ft dBA Leq	Usage %	Workday Noise Level - 50ft dBA Leq
Excavator	75.9	0.4	71.9
Loader	72.4	0.4	68.4
Loader	72.4	0.4	68.4
-	0	1	0.0
-	0	1	0.0
Combined dBA Leq:			75.6

Mitigated Construction Noise Impact

Combined Equipment Noise Level	75.6 dBA Leq
Total Shielding (sound barrier)	15 dBA
Ground Factor	0
Distance - Equipment to Receptor	265 ft
Mitigated Construction Noise Level	46.1 dBA Leq
Ambient Noise Level	57.4 dBA
New Noise Level	57.7 dBA Leq
Mitigated Noise Increase	0.3 dBA

Construction Noise Impact Analysis

noah tanski environmental consulting

11900 Saltair Residence: DEMOLITION

Ambient Noise Level:	55.3 dBA Leq
Distance:	175 feet

Unmitigated

Equipment Noise Levels

Equipment	Noise Level - 50ft dBA Leq	Usage %	Workday Noise Level - 50ft dBA Leq
Excavator	75.9	0.4	71.9
Loader	72.4	0.4	68.4
Loader	72.4	0.4	68.4
-	0	1	0.0
-	0	1	0.0
Combined dBA Leq:			75.6

Unmitigated Construction Noise Impact

Combined Equipment Noise Level	75.6 dBA Leq
Total Shielding (existing building rows/sound barrier)	0 dBA
Ground Factor	0
Distance - Equipment to Receptor	175 ft
Unmitigated Construction Noise Level	64.7 dBA Leq
Ambient Noise Level	55.3 dBA
New Noise Level	65.2 dBA Leq
Unmitigated Noise Increase	9.9 dBA

Mitigated

Equipment Noise Levels

Equipment	Noise Level - 50ft dBA Leq	Usage %	Workday Noise Level - 50ft dBA Leq
Excavator	75.9	0.4	71.9
Loader	72.4	0.4	68.4
Loader	72.4	0.4	68.4
-	0	1	0.0
-	0	1	0.0
Combined dBA Leq:			75.6

Mitigated Construction Noise Impact

Combined Equipment Noise Level	75.6 dBA Leq
Total Shielding (sound barrier)	15 dBA
Ground Factor	0
Distance - Equipment to Receptor	175 ft
Mitigated Construction Noise Level	49.7 dBA Leq
Ambient Noise Level	55.3 dBA
New Noise Level	56.4 dBA Leq
Mitigated Noise Increase	1.1 dBA

Construction Noise Impact Analysis

noah tanski environmental consulting

529 Westgate Avenue Residence: DEMOLITION

Ambient Noise Level:	55.3 dBA Leq
Distance:	260 feet

Unmitigated

Equipment Noise Levels

Equipment	Noise Level - 50ft dBA Leq	Usage %	Workday Noise Level - 50ft dBA Leq
Excavator	75.9	0.4	71.9
Loader	72.4	0.4	68.4
Loader	72.4	0.4	68.4
-	0	1	0.0
-	0	1	0.0
Combined dBA Leq:			75.6

Unmitigated Construction Noise Impact

Combined Equipment Noise Level	75.6 dBA Leq
Total Shielding (existing building rows/sound barrier)	0 dBA
Ground Factor	0
Distance - Equipment to Receptor	260 ft
Unmitigated Construction Noise Level	61.3 dBA Leq
Ambient Noise Level	55.3 dBA
New Noise Level	62.3 dBA Leq
Unmitigated Noise Increase	7.0 dBA

Mitigated

Equipment Noise Levels

Equipment	Noise Level - 50ft dBA Leq	Usage %	Workday Noise Level - 50ft dBA Leq
Excavator	75.9	0.4	71.9
Loader	72.4	0.4	68.4
Loader	72.4	0.4	68.4
-	0	1	0.0
-	0	1	0.0
Combined dBA Leq:			75.6

Mitigated Construction Noise Impact

Combined Equipment Noise Level	75.6 dBA Leq
Total Shielding (sound barrier)	15 dBA
Ground Factor	0
Distance - Equipment to Receptor	260 ft
Mitigated Construction Noise Level	46.3 dBA Leq
Ambient Noise Level	55.3 dBA
New Noise Level	55.8 dBA Leq
Mitigated Noise Increase	0.5 dBA

Construction Noise Impact Analysis

noah tanski environmental consulting

Chabad Jewish Center of Brentwood: DEMOLITION

Ambient Noise Level:	60.0 dBA Leq
Distance:	650 feet

Unmitigated

Equipment Noise Levels

Equipment	Noise Level - 50ft dBA Leq	Usage %	Workday Noise Level - 50ft dBA Leq
Excavator	75.9	0.4	71.9
Loader	72.4	0.4	68.4
Loader	72.4	0.4	68.4
-	0	1	0.0
-	0	1	0.0
Combined dBA Leq:			75.6

Unmitigated Construction Noise Impact

Combined Equipment Noise Level	75.6 dBA Leq
Total Shielding (existing building rows)	5 dBA
Ground Factor	0
Distance - Equipment to Receptor	650 ft
Unmitigated Construction Noise Level	48.3 dBA Leq
Ambient Noise Level	60.0 dBA
New Noise Level	60.3 dBA Leq
Unmitigated Noise Increase	0.3 dBA

Construction Noise Impact Analysis

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Gan Chaya Jewish ECC: DEMOLITION

Ambient Noise Level:	60.5 dBA Leq
Distance:	410 feet

Unmitigated

Equipment Noise Levels

Equipment	Noise Level - 50ft dBA Leq	Usage %	Workday Noise Level - 50ft dBA Leq
Excavator	75.9	0.4	71.9
Loader	72.4	0.4	68.4
Loader	72.4	0.4	68.4
-	0	1	0.0
-	0	1	0.0
Combined dBA Leq:			75.6

Unmitigated Construction Noise Impact

Combined Equipment Noise Level	75.6 dBA Leq
Total Shielding	0 dBA
Ground Factor	0
Distance - Equipment to Receptor	410 ft
Unmitigated Construction Noise Level	57.3 dBA Leq
Ambient Noise Level	60.5 dBA
New Noise Level	62.2 dBA Leq
Unmitigated Noise Increase	1.7 dBA

Construction Noise Impact Analysis

noah tanski environmental consulting

Brentwood Science Magnet School: DEMOLITION

Ambient Noise Level:	71.7 dBA Leq
Distance:	640 feet (to field)

Unmitigated

Equipment Noise Levels

Equipment	Noise Level - 50ft dBA Leq	Usage %	Workday Noise Level - 50ft dBA Leq
Excavator	75.9	0.4	71.9
Loader	72.4	0.4	68.4
Loader	72.4	0.4	68.4
-	0	1	0.0
-	0	1	0.0
Combined dBA Leq:			75.6

Unmitigated Construction Noise Impact

Combined Equipment Noise Level	75.6 dBA Leq
Total Shielding	0 dBA
Ground Factor	0
Distance - Equipment to Receptor	640 ft
Unmitigated Construction Noise Level	53.5 dBA Leq
Ambient Noise Level	71.7 dBA
New Noise Level	71.8 dBA Leq
Unmitigated Noise Increase	0.1 dBA

Construction Noise Impact Analysis

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Brentwood Presbyterian Church: DEMOLITION

Ambient Noise Level:	66.3 dBA Leq
Distance:	250 feet

Unmitigated

Equipment Noise Levels

Equipment	Noise Level - 50ft dBA Leq	Usage %	Workday Noise Level - 50ft dBA Leq
Excavator	75.9	0.4	71.9
Loader	72.4	0.4	68.4
Loader	72.4	0.4	68.4
-	0	1	0.0
-	0	1	0.0
Combined dBA Leq:			75.6

Unmitigated Construction Noise Impact

Combined Equipment Noise Level	75.6 dBA Leq
Total Shielding	0 dBA
Ground Factor	0
Distance - Equipment to Receptor	250 ft
Unmitigated Construction Noise Level	61.6 dBA Leq
Ambient Noise Level	66.3 dBA
New Noise Level	67.6 dBA Leq
Unmitigated Noise Increase	1.3 dBA

Vibration Impact Analysis

noah tanski environmental consulting

11973 San Vicente Blvd Project: On-Site Construction Vibration - PPV

Equipment:	"Large Bulldozer"
Equipment PPV (in/sec):	0.089
Reference Distance (ft):	25
"n" value	1.1

Unmitigated

Receptor	Distance (ft)	Vibration Level (in/sec PPV)
11961 San Vicente Boulevard - Commercial	10	0.244
11980 San Vicente Boulevard - Commercial	125	0.015
11999 San Vicente Boulevard - Commercial	150	0.012
11900 West Saltair Terrace - Residential	175	0.010

On-Site Construction Vibration - VdB

Equipment:	"Large Bulldozer"
Equipment VdB:	87
Reference Distance (ft):	25
"n" value	n/a

Unmitigated

Receptor	Distance (ft)	Vibration Level (in/sec PPV)
640 Saltair Ave - Residential	265	56.2
11900 West Saltair Terrace - Residential	175	61.6
529 Westgate Ave - Residential	260	56.5
-	-	-

RESULTS: SOUND LEVELS

11973 San Vicente Boulevard

NTEC												
Noah Tanski												
18 April 2022												
TNM 2.5												
Calculated with TNM 2.5												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
11973 San Vicente Boulevard												
RUN:												
San Vicente Boulevard: 2 trips/hr												
BARRIER DESIGN:												
INPUT HEIGHTS												
Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.												
ATMOSPHERICS:												
68 deg F, 50% RH												
Receiver												
Name												
No.												
#DUs												
Existing LAeq1h												
No Barrier LAeq1h												
Increase over existing												
Type												
With Barrier												
Calculated												
Noise Reduction												
Calculated												
Goal												
Calculated minus Goal												
Impact												
LAeq1h												
Calculated												
Goal												
Calculated												
Sub'l Inc												
LAeq1h												
Calculated												
Goal												
Calculated												
dB												
dB												
dB												
dB												
30ft from centerline												
1												
1												
0.0												
49.6												
66												
49.6												
10												

49.6												
0.0												
8												
-8.0												
Dwelling Units												
# DUs												
Noise Reduction												
Min												
Avg												
Max												
dB												
dB												
dB												
All Selected												
1												
0.0												
0.0												
0.0												
All Impacted												
0												
0.0												
0.0												
0.0												
All that meet NR Goal												
0												
0.0												
0.0												
0.0												

RESULTS: SOUND LEVELS

11973 San Vicente Boulevard

NTEC		18 April 2022										
Noah Tanski		TNM 2.5										
		Calculated with TNM 2.5										
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		11973 San Vicente Boulevard										
RUN:		San Vicente Boulevard: 6 trips/hr										
BARRIER DESIGN:		INPUT HEIGHTS										
		Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.										
ATMOSPHERICS:		68 deg F, 50% RH										
Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h	Increase over existing		Type	With Barrier		Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	Calculated LAeq1h	Calculated	Goal	Calculated minus Goal
							Sub'l Inc					
			dB	dB	dB	dB			dB	dB	dB	dB
30ft from centerline	1	1	0.0	54.3	66	54.3	10	----	54.3	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		1	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							