

DouglasKim+Associates,LLC

AMBIENT NOISE MEASUREMENTS



DouglasKim+Associates,LLC

Figure 1
Noise Measurement Locations

Session Report

2/14/2020

General Information

Name	S00054_SE40213991_13022020_230128
Comments	
Start Time	2/13/2020 9:40:44 AM
Stop Time	2/13/2020 9:50:45 AM
Run Time	00:10:01
Model Type	Sound Examiner
Serial Number	SE40213991
Device Firmware Rev	R.11C
Company Name	
Description	
Location	
User Name	

Summary Data

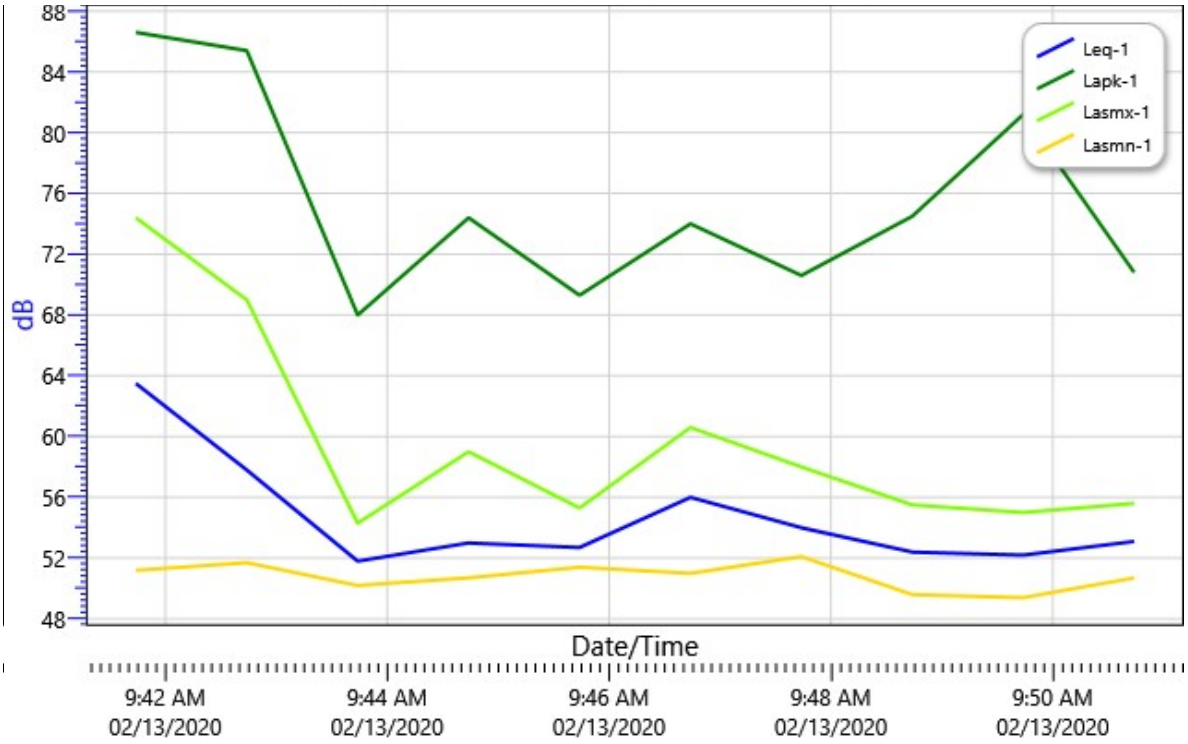
Description	Meter	Value	Description	Meter	Value
Dose	1	0 %	Pdose (8:00)	1	0 %
Lavg	1	--	Lpk	1	--
Leq	1	56.5 dB	TWA	1	39.7 dB
UL Time	1	00:00:00	SEL	1	84.3 dB
ProjectedTWA (8:00)	1	56.5 dB	Mntime	1	2/13/2020 9:49:33 AM
Mxtime	1	2/13/2020 9:41:25 AM	PKtime	1	2/13/2020 9:41:25 AM
Weighting	1	--	Range Ceiling	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

S00054_SE40213991_13022020_230128: Logged Data Chart - Read Only



Session Report

2/14/2020

General Information

Name	S00055_SE40213991_13022020_230130
Comments	
Start Time	2/13/2020 9:52:07 AM
Stop Time	2/13/2020 10:02:09 AM
Run Time	00:10:02
Model Type	Sound Examiner
Serial Number	SE40213991
Device Firmware Rev	R.11C
Company Name	
Description	
Location	
User Name	

Summary Data

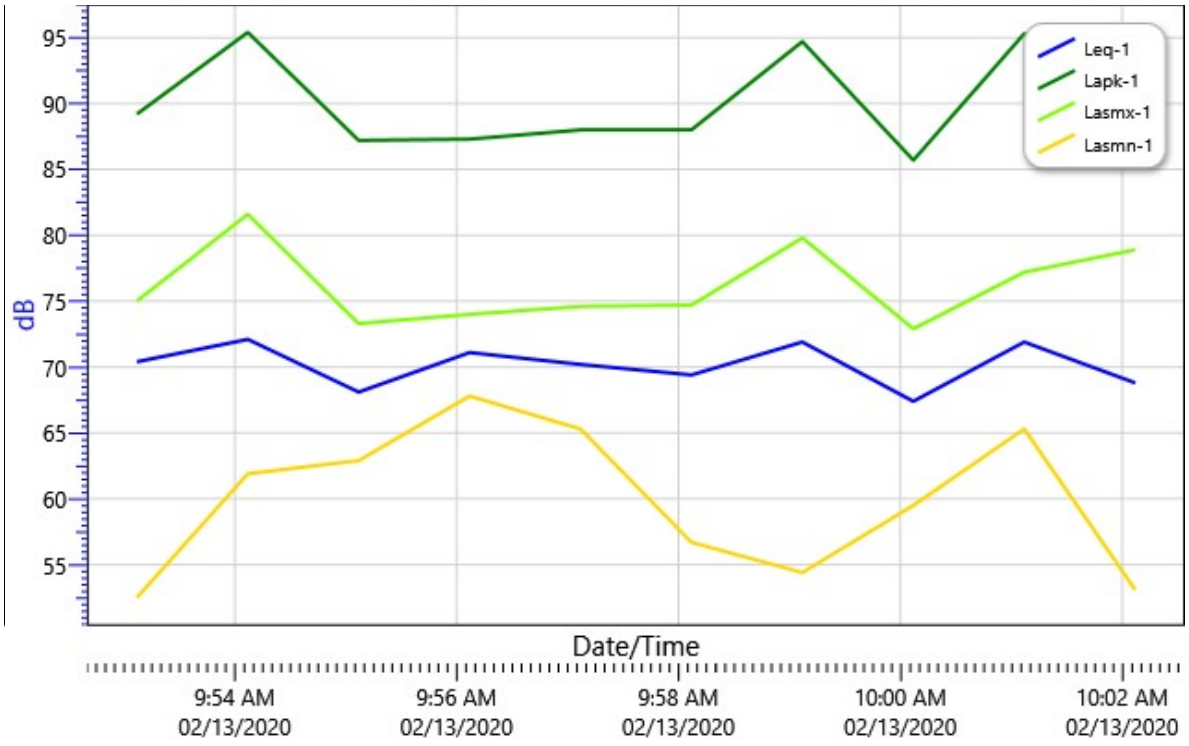
Description	Meter	Value	Description	Meter	Value
Dose	1	0 %	Pdose (8:00)	1	1 %
Lavg	1	--	Lpk	1	--
Leq	1	70.3 dB	TWA	1	53.5 dB
UL Time	1	00:00:00	SEL	1	98.1 dB
ProjectedTWA (8:00)	1	70.3 dB	Mntime	1	2/13/2020 10:01:37 AM
Mxtime	1	2/13/2020 9:53:33 AM	PKtime	1	2/13/2020 9:53:32 AM
Weighting	1	--	Range Ceiling	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

S00055_SE40213991_13022020_230130: Logged Data Chart - Read Only



Session Report

2/14/2020

General Information

Name	S00056_SE40213991_13022020_230131
Comments	
Start Time	2/13/2020 10:04:45 AM
Stop Time	2/13/2020 10:14:46 AM
Run Time	00:10:01
Model Type	Sound Examiner
Serial Number	SE40213991
Device Firmware Rev	R.11C
Company Name	
Description	
Location	
User Name	

Summary Data

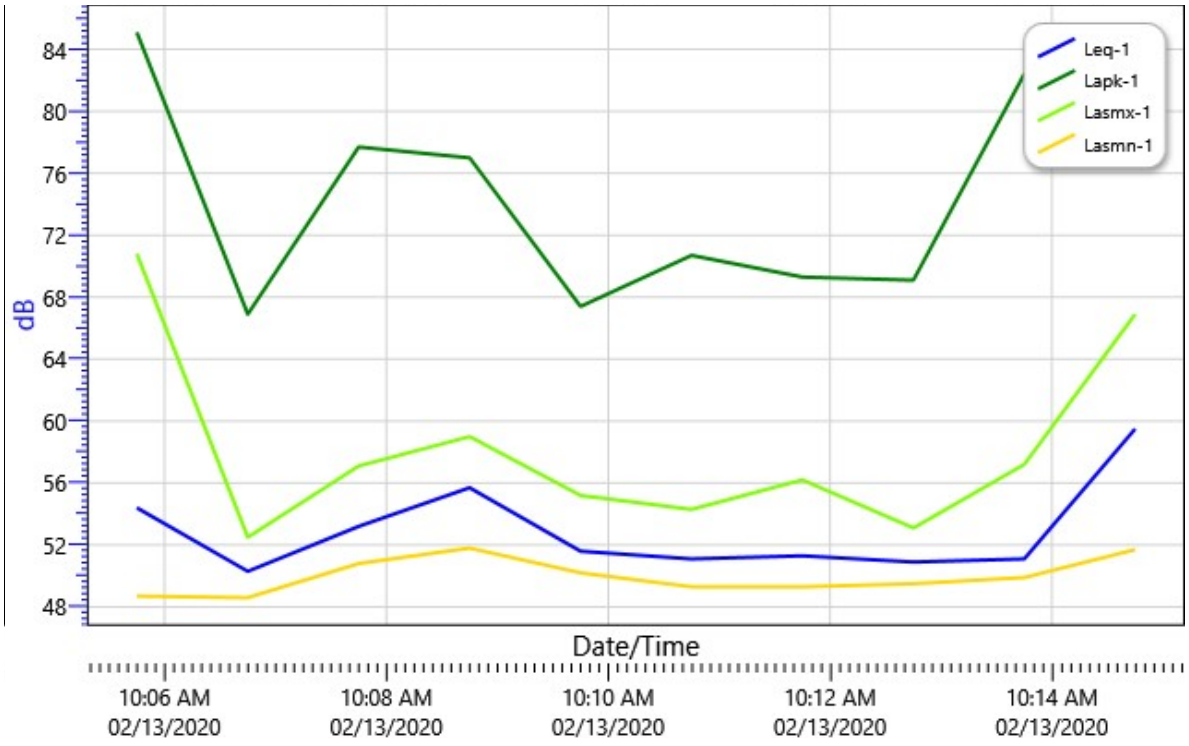
Description	Meter	Value	Description	Meter	Value
Dose	1	0 %	Pdose (8:00)	1	0 %
Lavg	1	--	Lpk	1	--
Leq	1	53.9 dB	TWA	1	37.1 dB
UL Time	1	00:00:00	SEL	1	81.7 dB
ProjectedTWA (8:00)	1	53.9 dB	Mntime	1	2/13/2020 10:05:45 AM
Mxtime	1	2/13/2020 10:14:03 AM	PKtime	1	2/13/2020 10:05:12 AM
Weighting	1	--	Range 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

S00056_SE40213991_13022020_230131: Logged Data Chart - Read Only



Session Report

2/14/2020

General Information

Name	S00057_SE40213991_13022020_230132
Comments	
Start Time	2/13/2020 10:17:09 AM
Stop Time	2/13/2020 10:27:10 AM
Run Time	00:10:01
Model Type	Sound Examiner
Serial Number	SE40213991
Device Firmware Rev	R.11C
Company Name	
Description	
Location	
User Name	

Summary Data

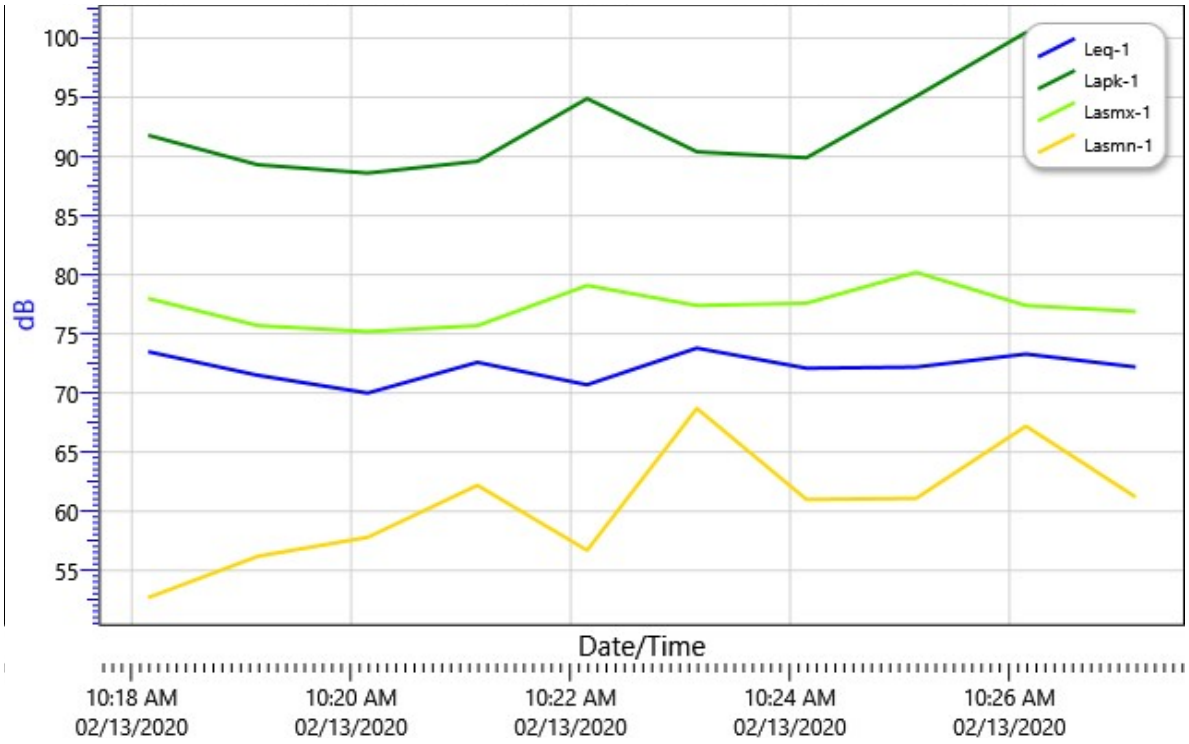
Description	Meter	Value	Description	Meter	Value
Dose	1	0 %	Pdose (8:00)	1	1.7 %
Lavg	1	--	Lpk	1	--
Leq	1	72.3 dB	TWA	1	55.5 dB
UL Time	1	00:00:00	SEL	1	100.1 dB
ProjectedTWA (8:00)	1	72.3 dB	Mntime	1	2/13/2020 10:18:12 AM
Mxtime	1	2/13/2020 10:24:11 AM	PKtime	1	2/13/2020 10:25:42 AM
Weighting	1	--	Range 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

S00057_SE40213991_13022020_230132: Logged Data Chart - Read Only





DouglasKim+Associates,LLC

CONSTRUCTION NOISE CALCULATIONS

Receiver list

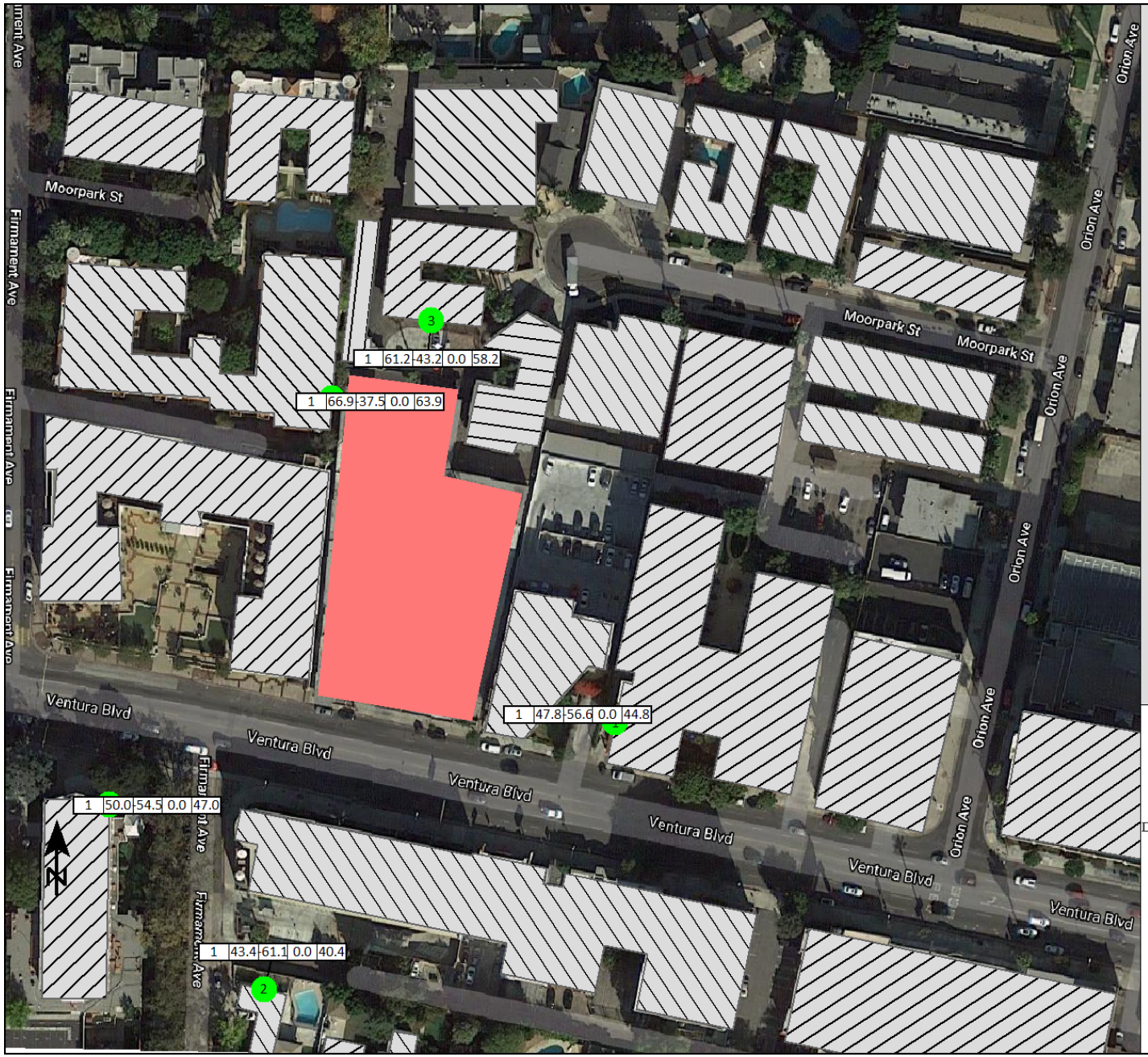
No	Receiver name	Coordinates X Y in meter	Build side	Floo	Heig abv. m	Limit Day	Limit Even	Limit Nigh	Limit Lden	Level w/o NP Day	Level w/o NP Even	Level w/o NP Nigh	Level w/o NP Lden	Level w NP Day	Level w NP Even	Level w NP Nigh	Level w NP Lden	Difference Day	Difference Even	Difference Nigh	Difference Lden	Conflict Day	Conflict Even	Conflict Nigh	Conflict Lden
						dB(A)				dB(A)				dB(A)				dB				dB			
1	Belmont Village	11364 37803	Wes	GF	220.	-	-	-	-	47.8	-56.	0.0	44.8	44.3	-60.	0.0	41.3	-3.6	-3.6	0.0	-3.6	-	-	-	-
2	Dickens Street	11364 37802	North	GF	221.	-	-	-	-	43.4	-61.	0.0	40.4	39.4	-65.	0.0	36.4	-3.9	-3.9	0.0	-3.9	-	-	-	-
3	Moorpark Stree	11364 37804	Sout	GF	218.	-	-	-	-	61.2	-43.	0.0	58.2	55.5	-48.	0.0	52.5	-5.7	-5.7	0.0	-5.7	-	-	-	-
4	Regency at End	11364 37803	East	GF	219.	-	-	-	-	66.9	-37.	0.0	63.9	53.2	-51.	0.0	50.2	-13.	-13.	0.0	-13.	-	-	-	-
5	St. Cyril of Jeru	11364 37802	East	GF	221.	-	-	-	-	50.0	-54.	0.0	47.0	44.4	-60.	0.0	41.4	-5.6	-5.6	0.0	-5.6	-	-	-	-

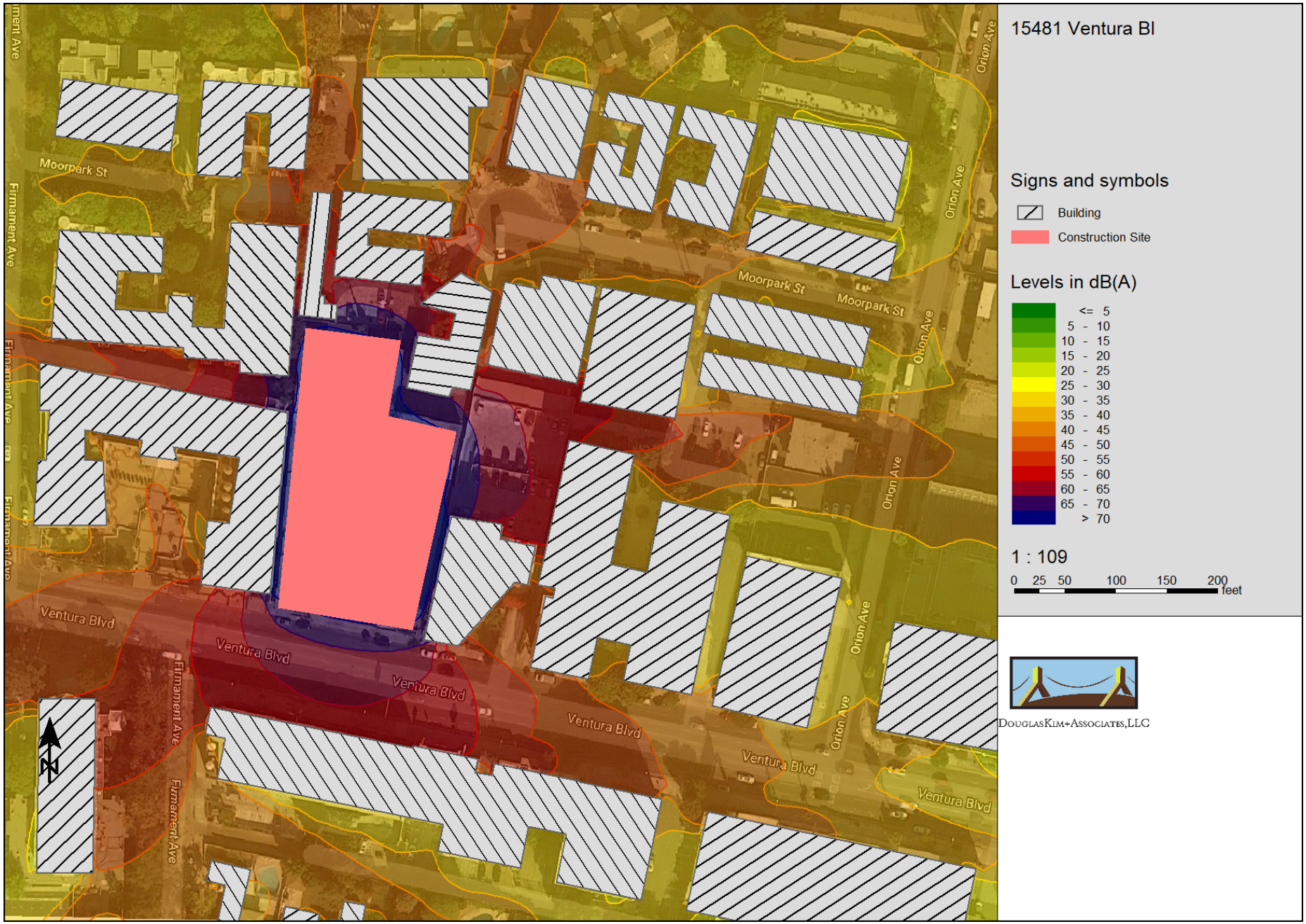
Noise emissions of industry sources

Source name	Size m/m²	Reference	Level Day dB(A)	Level Evening dB(A)	Level Night dB(A)	Corrections Cwall dB	Corrections CI dB	Corrections CT dB
Construction Site	3379 m²	Lw/unit	104.5	-	-	-	-	-

Contribution levels of the receivers

Source name		Level w/o NP				Level w NP			
		Day	Evening	Night	Lden	Day	Evening	Night	Lden
		dB(A)				dB(A)			
Belmont Village	GF	47.8	-56.6		0.0	44.8	44.3	-60.2	0.0
Construction Site		47.8	-56.6	-	44.8	44.3	-60.2	-	41.3
Dickens Street	GF	43.4	-61.1		0.0	40.4	39.4	-65.0	0.0
Construction Site		43.4	-61.1	-	40.4	39.4	-65.0	-	36.4
Moorpark Street 15480	GF	61.2	-43.2		0.0	58.2	55.5	-48.9	0.0
Construction Site		61.2	-43.2	-	58.2	55.5	-48.9	-	52.5
Regency at Encino	GF	66.9	-37.5		0.0	63.9	53.2	-51.3	0.0
Construction Site		66.9	-37.5	-	63.9	53.2	-51.3	-	50.2
St. Cyril of Jerusalem	GF	50.0	-54.5		0.0	47.0	44.4	-60.1	0.0
Construction Site		50.0	-54.5	-	47.0	44.4	-60.1	-	41.4


15481 Ventura Bl
Moorpark St
Firmament Ave
Orion Ave
Ventura Blvd
1 61.2 43.2 0.0 58.2
1 66.9 37.5 0.0 63.9
1 47.8 56.6 0.0 44.8
1 50.0 54.5 0.0 47.0
1 43.4 61.1 0.0 40.4
Signs and symbols
Building
Receiver at building
Construction Site
Level tables
Facade with conflict
1 : 109
0 25 50 100 150 200 feet
DouglasKim+Associates,LLC

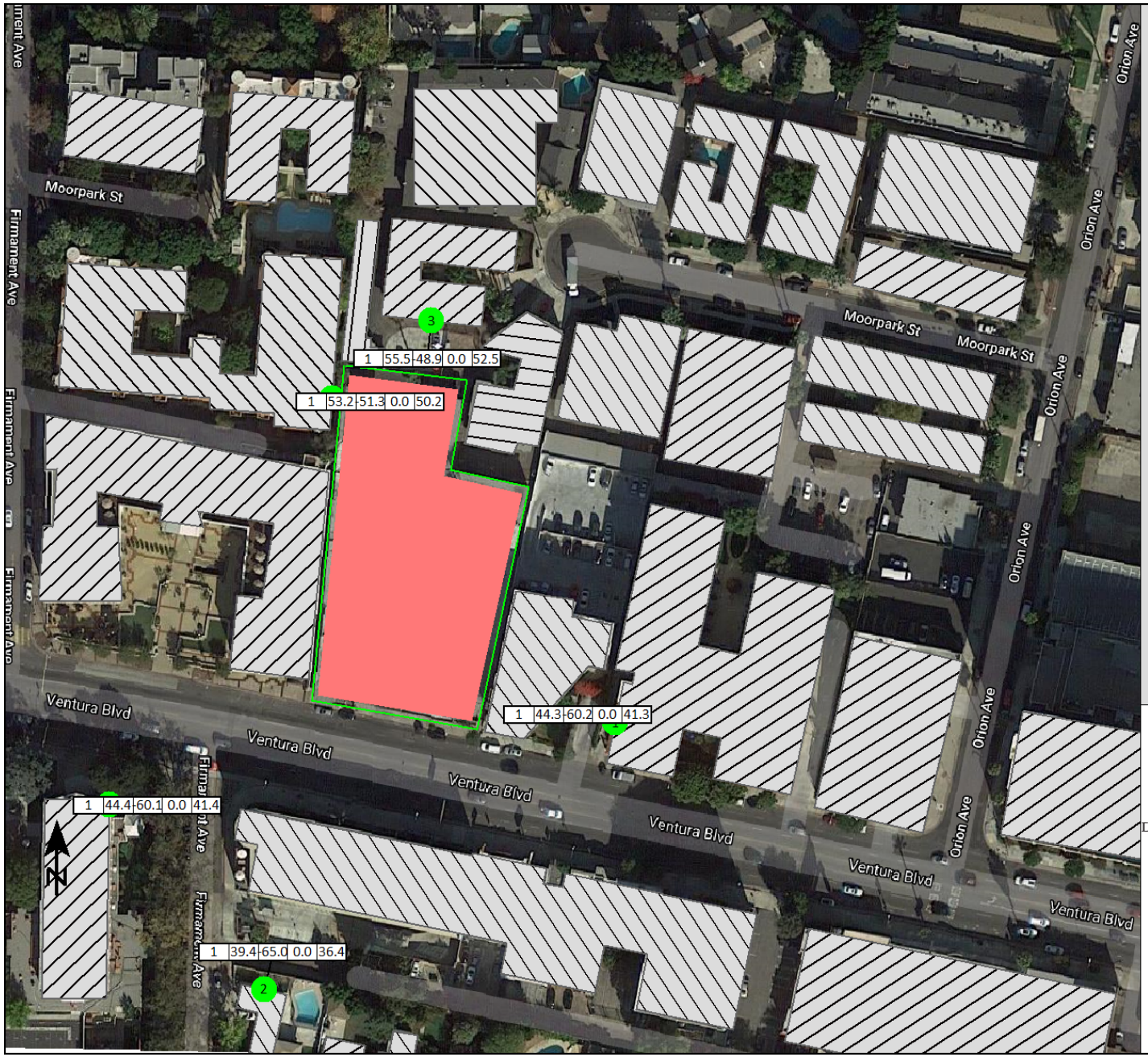

15481 Ventura Bl
Signs and symbols
Building
Construction Site
Levels in dB(A)
<= 5
5 - 10
10 - 15
15 - 20
20 - 25
25 - 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
> 70
1 : 109
0 25 50 100 150 200 feet
Douglas Kim + Associates, LLC
Moorpark St
Firmament Ave
Orion Ave
Ventura Blvd
N

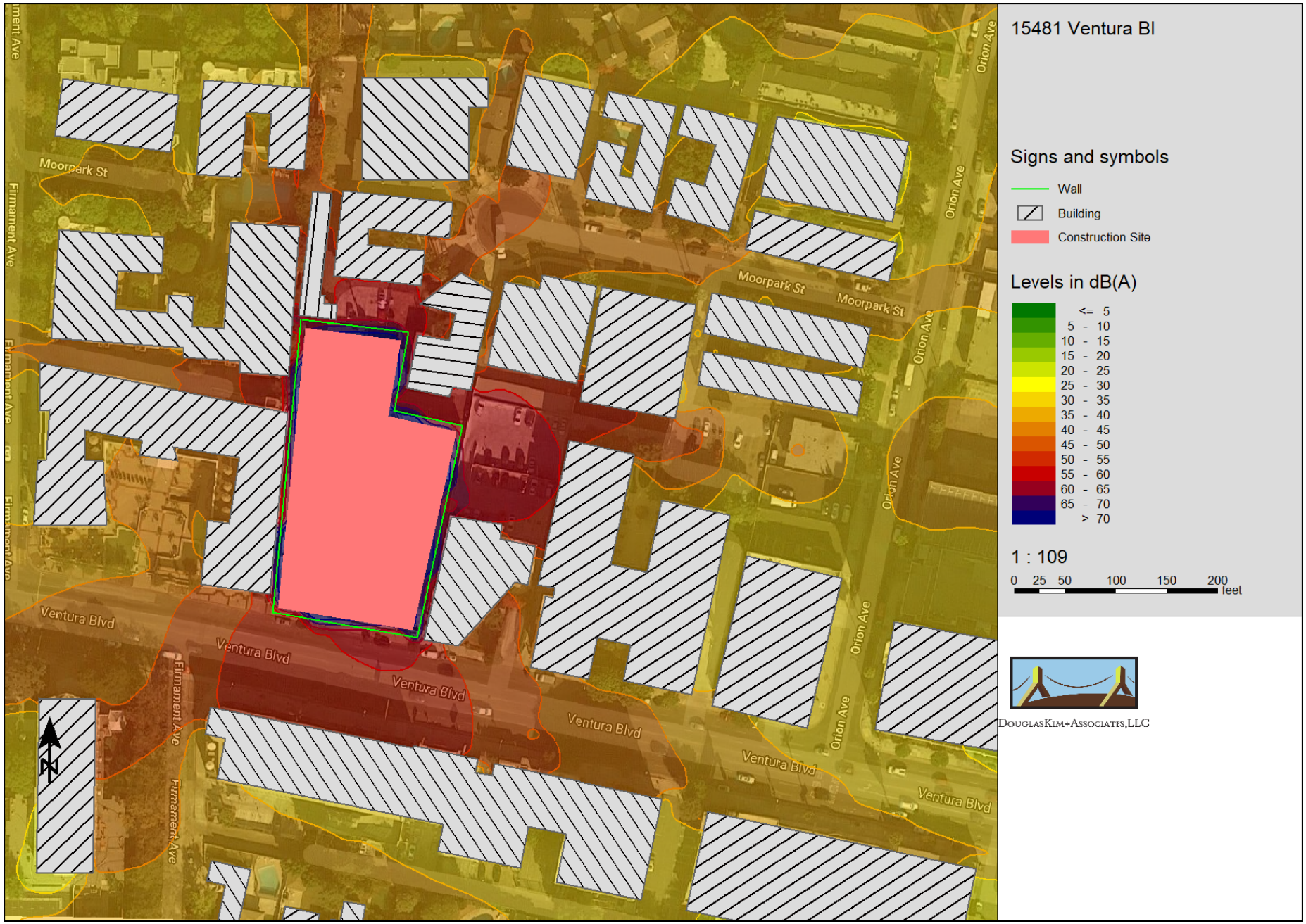
Construction Noise Impacts (without Mitigation



Reference	15.24	meter
Sound Pressure Level	82.0	dBA

Receptor	Existing Leq	Noise	New Leq	Difference Leq	Significant?
Belmont Village	56.5	47.8	57.0	0.5	**No**
St. Cyril of Jerusalem	70.3	50.0	70.3	0.0	**No**
Regency at Encino	53.9	66.9	67.1	13.2	**Yes**
15000 block of Dickens Street (north side)	72.3	43.4	72.3	0.0	**No**
15480 Moorpark Street	53.9	61.2	61.9	8.0	**Yes**


15481 Ventura Bl
Signs and symbols
Wall
Building
Receiver at building
Construction Site
Level tables
Facade with conflict
1 : 109
0 25 50 100 150 200
feet
Moorpark St
Orion Ave
Firmament Ave
Ventura Blvd
1 55.5 48.9 0.0 52.5
1 53.2 51.3 0.0 50.2
1 44.3 60.2 0.0 41.3
1 44.4 60.1 0.0 41.4
1 39.4 65.0 0.0 36.4
3
2
DouglasKim+Associates,LLC


15481 Ventura Bl
Signs and symbols
Wall
Building
Construction Site
Levels in dB(A)
<= 5
5 - 10
10 - 15
15 - 20
20 - 25
25 - 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
> 70
1 : 109
0 25 50 100 150 200 feet
Moorpark St
Firmament Ave
Orion Ave
Ventura Blvd
N
DouglasKim+Associates,LLC

Cumulative Noise Impacts (Without Mitigation)



Source	Sound Pressure Level	Add / Sub
1	75	Add
2	75	Add
3	75	Add
4	75	Add
5	75	Add
6		Add
7		Add
8		Add
9		Add
10		Add
11		Add
12		Add
Total	**82.0**	**Summation ->**

=IF(D17<0,"n/a",10*LOG(D17))

Construction Noise Impacts (with Mitigation)



DouglasKim+Associates,LLC

Reference	15.24	meter
Sound Pressure Level	82.0	dBA

Receptor	Existing Leq	Noise	New Leq	Difference Leq	Significant?
Belmont Village	56.5	44.3	56.8	0.3	**No**
St. Cyril of Jerusalem	70.3	44.4	70.3	0.0	**No**
Regency at Encino	53.9	55.5	57.8	3.9	**No**
15000 block of Dickens Street (north side)	72.3	39.4	72.3	0.0	**No**
15480 Moorpark Street	53.9	55.5	57.8	3.9	**No**

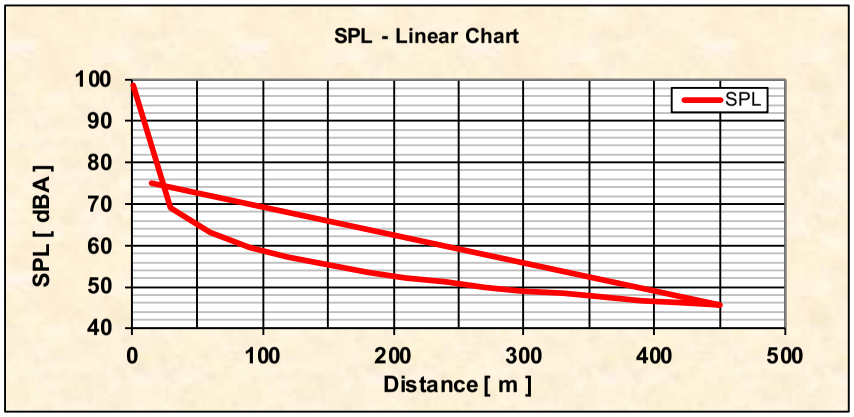
Mitigation Measures

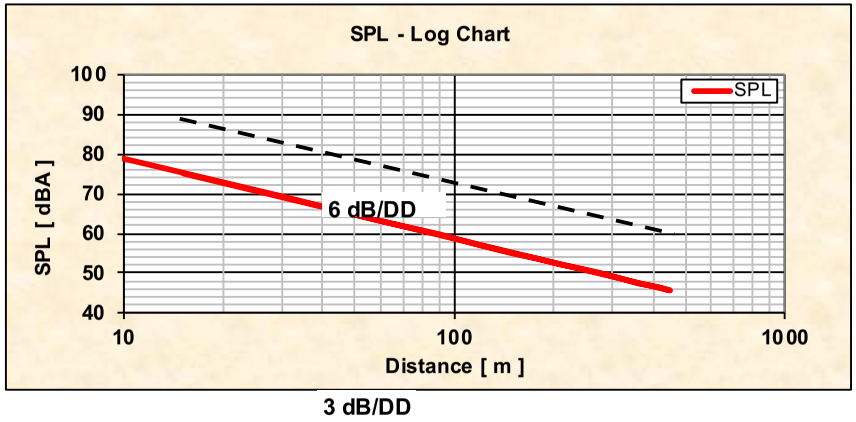
Temporary Sound Barrier 10 feet

Point Source Propagation

Reference	15.24	meter
Sound Pressure Level	82	dBA

Distance (m)	SPL	Distance (ft)
1	**105.7**	3.3
30	**76.1**	98.4
60	**70.1**	196.9
90	66.6	295.3
120	**64.1**	393.7
150	62.1	492.1
180	60.6	590.6
210	59.2	689.0
240	**58.1**	787.4
270	57.0	885.8
300	56.1	984.3
330	55.3	1082.7
360	54.5	1181.1
390	53.8	1279.5
420	53.2	1378.0
450	52.6	1476.4
15.24	**82.0**	50.0







DouglasKim+Associates,LLC

OPERATIONS NOISE CALCULATIONS

Federal Transit Administration
Noise Impact Assessment Spreadsheet

version: 1/29/2019

Project:	**AC Sherman Oaks Hotel**

Receiver Parameters	
Receiver:	**St. Cyril of Jerusalem**
Land Use Category:	**3. Institutional**
Existing Noise (Measured or Generic Value):	**70 dBA**

Noise Source Parameters	
Number of Noise Sources:	**1**

Noise Source Parameters		**Source 1**
	Source Type:	Stationary Source
	Specific Source:	Parking Garage
Noisiest hr of Activity During Sensitive hrs	**Number of Autos/hr:**	67
Distance	**Distance from Source to Receiver (ft):**	130
	Number of Intervening Rows of Buildings:	0
Adjustments	**Noise Barrier?**	No

	Noise Barrier?	No
	Joint Track/Crossover?	No
	Embedded Track?	No
	Aerial Structure?	No

Noise Barrier?	

Noise Barrier?	

Noise Barrier?	

Noise Barrier?	

Project Results Summary

Existing Leqh:	70 dBA
Total Project Leqh:	34 dBA
Total Noise Exposure:	70 dBA
Increase:	0 dB
Impact?:	None

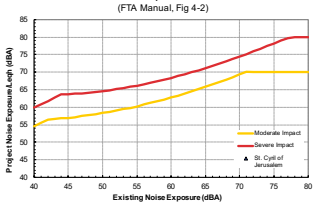
Distance to Impact Contours

Dist to Mod. Impact Contour (Source 1):	5 ft
Dist to Sev. Impact Contour (Source 1):	3 ft

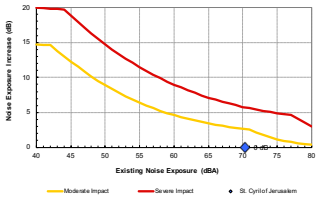
Source 1 Results

Leqh: 34.3 dBA

Noise Impact Criteria
(FTA Manual, Fig 4-2)



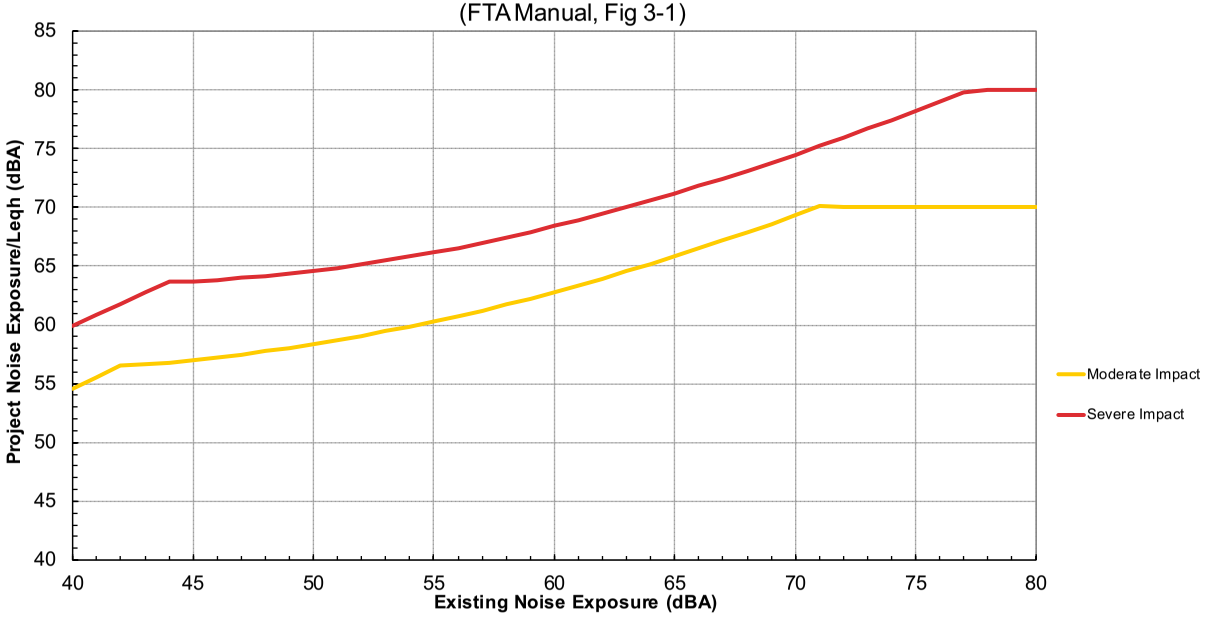
Increase in Cumulative Noise Levels Allowed
(FTA Manual, Figs 4-3 and 4-4)



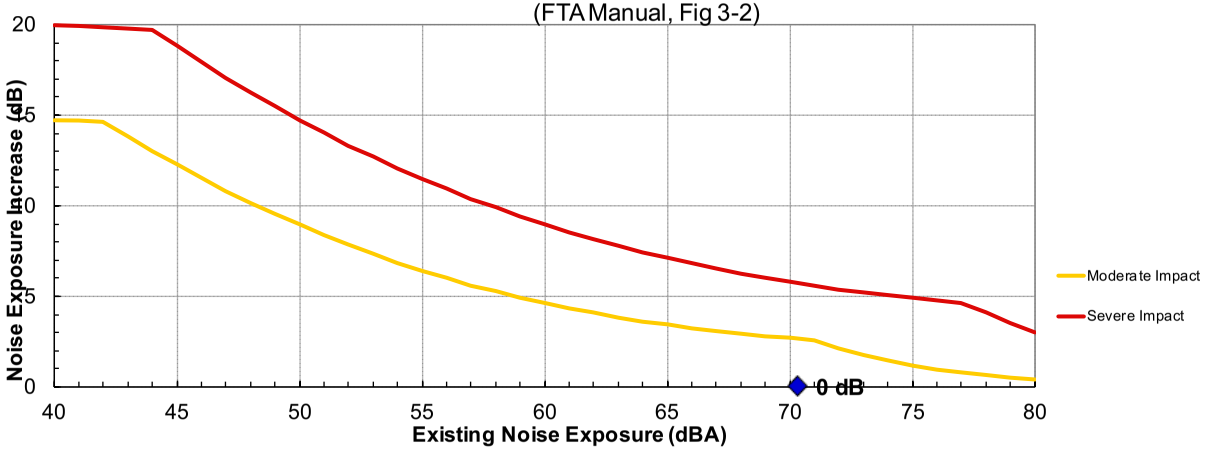
Project: AC Sherman Oaks Hotel
Receiver: St. Cyril of Jerusalem

	Source	Distance	Project Leqh	Existing Leqh	Noise Criteria Mod. Impact	Noise Criteria Sev. Impact	Impact?
1	Parking Garage	130 ft	34.3 dBA	70 dBA	69 dBA	74 dBA	None
2	--	50 ft		70 dBA	69 dBA	74 dBA	
3	--	50 ft		70 dBA	69 dBA	74 dBA	
4	--	70 ft		70 dBA	69 dBA	74 dBA	
5	--	ft		70 dBA	69 dBA	74 dBA	
6	--	ft	0.0 dBA	70 dBA	69 dBA	74 dBA	None
	Combined Sources		**34 dBA**	**70 dBA**	**69 dBA**	**74 dBA**	**None**

Noise Impact Criteria
(FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed
(FTA Manual, Fig 3-2)



Receiver list

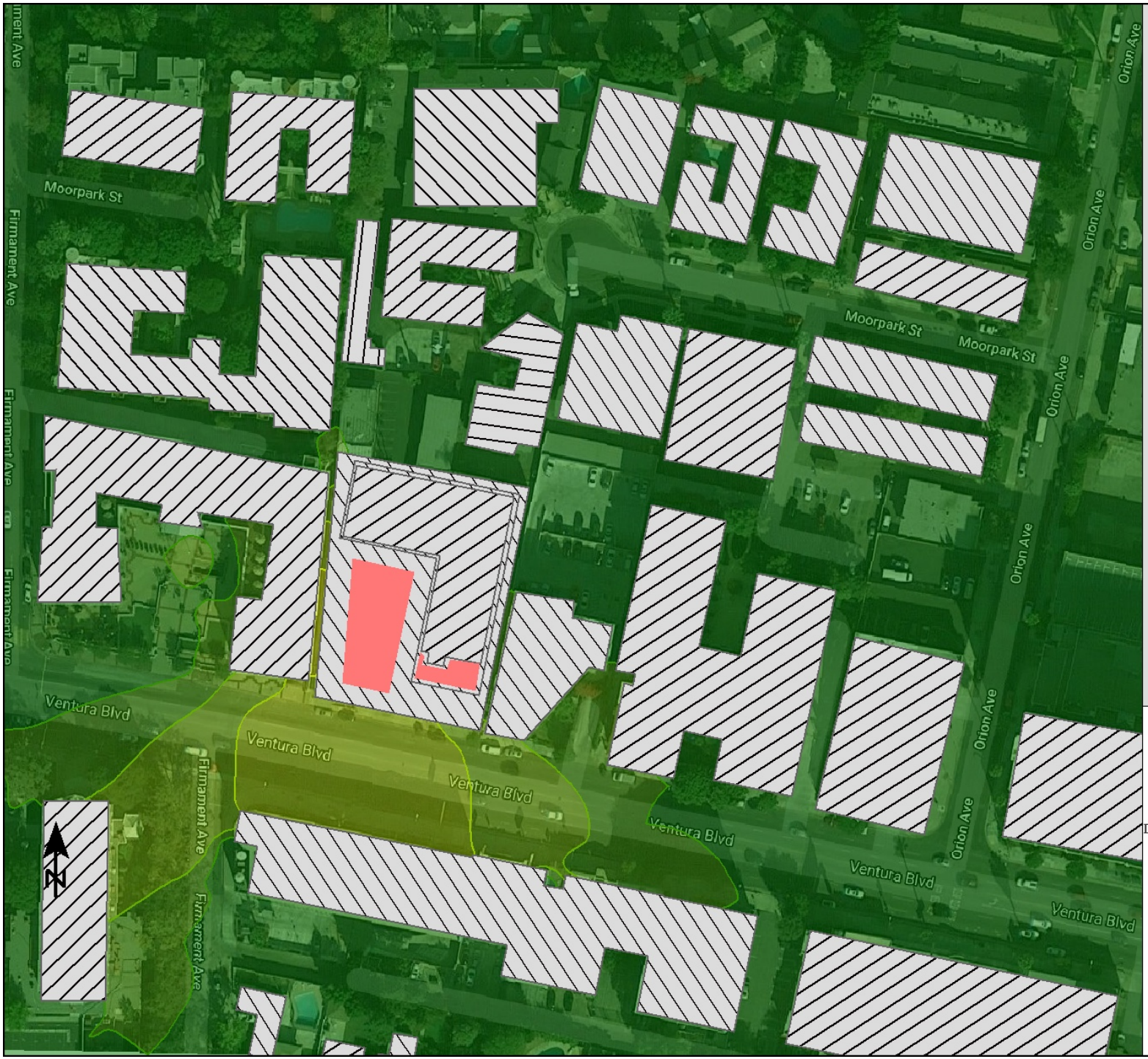
No	Receiver name	Coordinates X Y in meter	Build side	Floo	Heig abv. m	Limit Day	Limit Even	Limit Nigh	Limit Lden	Level w/o NP Day	Level w/o NP Even	Level w/o NP Nigh	Level w/o NP Lden	Level w NP Day	Level w NP Even	Level w NP Nigh	Level w NP Lden	Difference Day	Difference Even	Difference Nigh	Difference Lden	Conflict Day	Conflict Even	Conflict Nigh	Conflict Lden
						dB(A)				dB(A)				dB(A)				dB				dB			
1	Belmont Village	11364 37803	Wes	GF	220.	-	-	-	-	32.2	32.2	32.2	38.6	0.0	0.0	0.0	0.0	-32.	-32.	-32.	-38.	-	-	-	-
2	Dickens Street	11364 37802	North	GF	221.	-	-	-	-	28.5	28.5	28.5	34.9	0.0	0.0	0.0	0.0	-28.	-28.	-28.	-34.	-	-	-	-
3	Moorpark Stree	11364 37804	Sout	GF	218.	-	-	-	-	25.8	25.8	25.8	32.2	0.0	0.0	0.0	0.0	-25.	-25.	-25.	-32.	-	-	-	-
4	Regency at End	11364 37803	East	GF	219.	-	-	-	-	27.1	27.1	27.1	33.5	0.0	0.0	0.0	0.0	-27.	-27.	-27.	-33.	-	-	-	-
5	St. Cyril of Jeru	11364 37802	East	GF	221.	-	-	-	-	35.5	35.5	35.5	41.9	0.0	0.0	0.0	0.0	-35.	-35.	-35.	-41.	-	-	-	-

Noise emissions of industry sources

Source name	Size	Reference	Level		Frequency spectrum [dB(A)]	Corrections		
					500	Cwall	CI	CT
	m/m²			dB(A)	Hz	dB	dB	dB
Pool, Spa, Event Lawn	482.65 m²	Lw/unit	Day	65.0	65.0	-	-	-
			Evening	65.0	65.0	-	-	-
			Night	65.0	65.0	-	-	-
Roof Deck	107.24 m²	Lw/unit	Day	70.0	70.0	-	-	-
			Evening	70.0	70.0	-	-	-
			Night	70.0	70.0	-	-	-

Contribution levels of the receivers

Source name		Level w/o NP Day	Evening	Night	Lden	Level w NP Day	Evening	Night	Lden
		dB(A)				dB(A)			
Belmont Village	GF	32.2	32.2	32.2	38.6	0.0	0.0	0.0	
Pool, Spa, Event Lawn		32.2	32.2	32.2	38.5	-	-	-	-
Roof Deck		3.6	3.6	3.6	10.0	-	-	-	-
Dickens Street	GF	28.5	28.5	28.5	34.9	0.0	0.0	0.0	
Pool, Spa, Event Lawn		28.5	28.5	28.5	34.9	-	-	-	-
Roof Deck		1.7	1.7	1.7	8.1	-	-	-	-
Moorpark Street 15480	GF	25.8	25.8	25.8	32.2	0.0	0.0	0.0	
Pool, Spa, Event Lawn		25.8	25.8	25.8	32.2	-	-	-	-
Roof Deck		-2.3	-2.3	-2.3	4.1	-	-	-	-
Regency at Encino	GF	27.1	27.1	27.1	33.5	0.0	0.0	0.0	
Pool, Spa, Event Lawn		27.1	27.1	27.1	33.5	-	-	-	-
Roof Deck		-0.7	-0.7	-0.7	5.7	-	-	-	-
St. Cyril of Jerusalem	GF	35.5	35.5	35.5	41.9	0.0	0.0	0.0	
Pool, Spa, Event Lawn		35.5	35.5	35.5	41.9	-	-	-	-
Roof Deck		4.0	4.0	4.0	10.4	-	-	-	-



15481 Ventura Bl

Signs and symbols

Building

Outdoor Recreation or Gathering Area

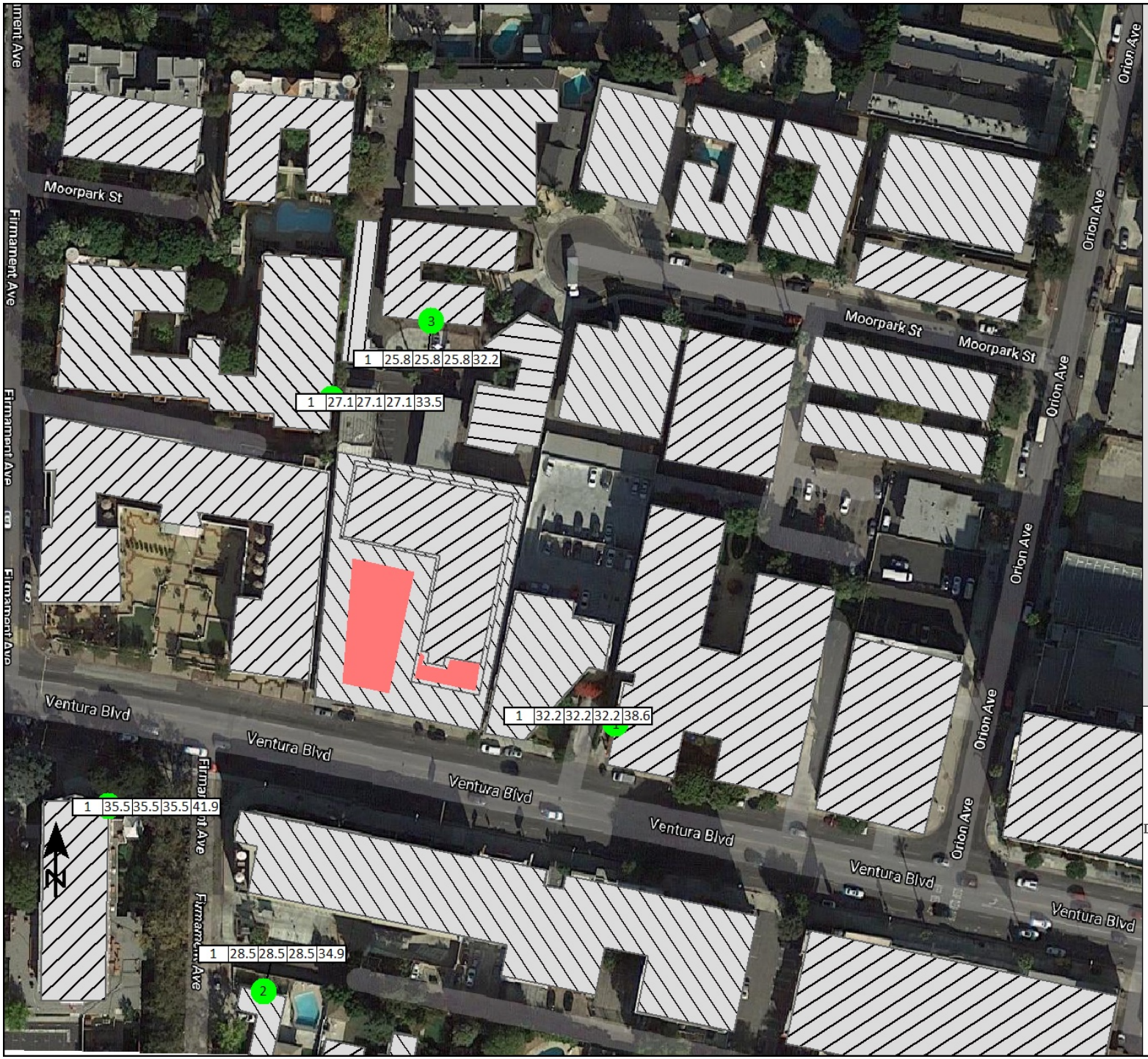
Levels in dB(A)

<= 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
70 - 75
75 - 80
80 - 85
85 - 90
> 90

1 : 109

0 15 30 60 90 120 feet

DouglasKim+Associates,LLC


15481 Ventura Bl
Moorpark St
Firmament Ave
Orion Ave
Ventura Blvd
1 25.8 25.8 25.8 32.2
1 27.1 27.1 27.1 33.5
1 32.2 32.2 32.2 38.6
1 35.5 35.5 35.5 41.9
1 28.5 28.5 28.5 34.9
Signs and symbols
Building
Receiver at building
Outdoor Recreation or Gathering Area
Level tables
Facade with conflict
1 : 109
0 15 30 60 90 120
feet
DouglasKim+Associates,LLC

OUTDOOR POOL AND RECREATION AREAS

DouglasKim+Associates,LLC

Operations Noise Impacts (Day)

Receptor	Existing Leq	Noise	New Leq	Difference Leq	Significant?
Belmont Village	56.5	32.2	56.5	0.0	**No**
St. Cyril of Jerusalem	70.3	28.5	70.3	0.0	**No**
Regency at Encino	53.9	25.8	53.9	0.0	**No**
15000 block of Dickens Street (north side)	72.3	27.1	72.3	0.0	**No**
15480 Moorpark Street	53.9	35.5	54.0	0.1	**No**

Operations Noise Impacts (Evening)

Receptor	Existing Leq	Noise	New Leq	Difference Leq	Significant?	
Belmont Village	55	32.2	55.0	0.0	**No**	C4
St. Cyril of Jerusalem	55	28.5	55.0	0.0	**No**	C4
Regency at Encino	40	25.8	40.2	0.2	**No**	R3
15000 block of Dickens Street (north side)	40	27.1	40.2	0.2	**No**	R1
15480 Moorpark Street	40	35.5	41.3	1.3	**No**	R3

Operations Noise Impacts (Night)

Receptor	Existing Leq	Noise	New Leq	Difference Leq	Significant?	
Belmont Village	55	32.2	55.0	0.0	**No**	C4
St. Cyril of Jerusalem	55	28.5	55.0	0.0	**No**	C4
Regency at Encino	40	25.8	40.2	0.2	**No**	R3
15000 block of Dickens Street (north side)	40	27.1	40.2	0.2	**No**	R1
15480 Moorpark Street	40	35.5	41.3	1.3	**No**	R3



DouglasKim+Associates,LLC

CONSTRUCTION VIBRATION CALCULATIONS



DouglasKim+Associates,LLC

TRAFFIC NOISE MODELING



DouglasKim+Associates,LLC

COMPOSITE NOISE MODELING OF PARKING GARAGE, HVAC AND MECHANICAL EQUIPMENT, AND OUTDOOR LOUNGES AND DECKS



DouglasKim+Associates,LLC

TRAFFIC NOISE MODELING