

Phoenix Homes

# Environmental Noise Impact Assessment

**1470 Hunt Club Road**

July 19, 2024

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July 2024

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126884



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# 1 Introduction

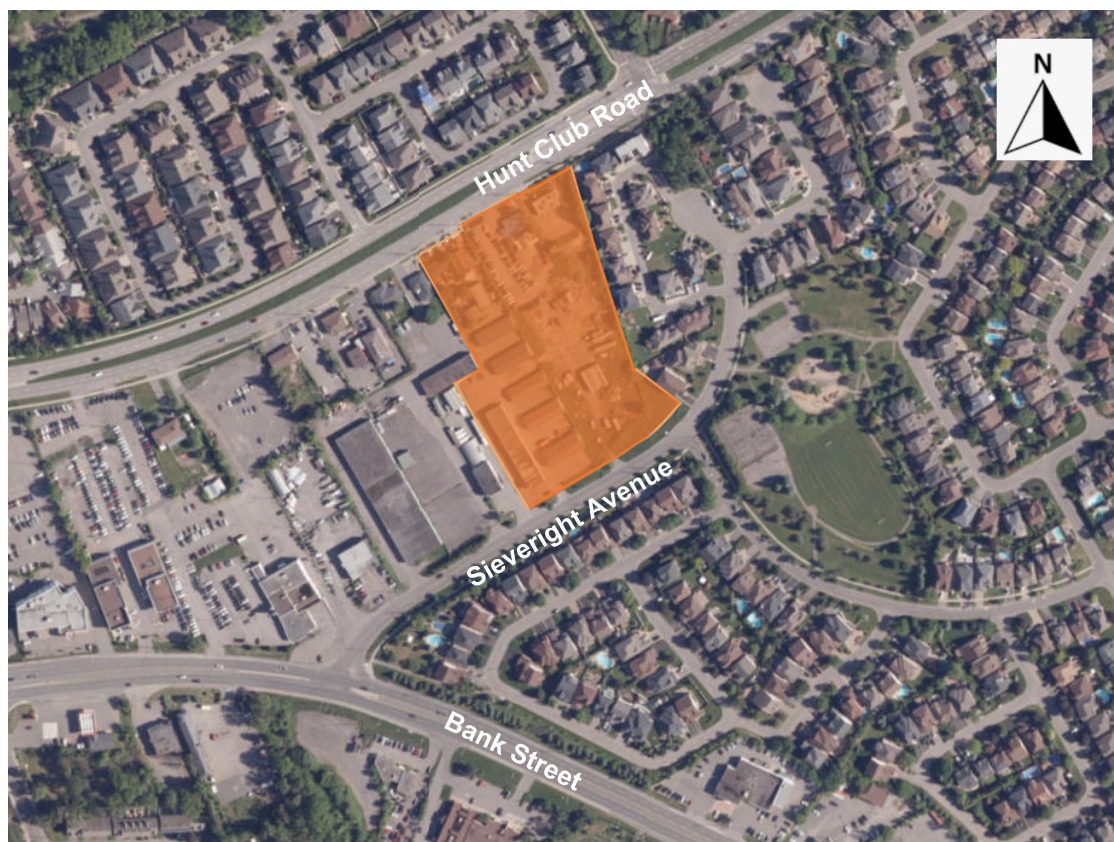
Arcadis was retained by Phoenix Homes on behalf of Larga Baffin Ltd. to conduct an Environmental Noise Impact Assessment (ENIA) in support of a Site Plan Control application for a proposed medical boarding home development to be located at 1452, 1460 and 1470 Hunt Club Road and 1525, 1531 and 1545 Sieveright Avenue.

The proposed development consists of a five-storey, 350-bed medical home and is generally bound by Hunt Club Road to the north, general mixed-use and light industrial to the west, Sieveright Avenue to the south, as well as low-rise residential uses to the east.

This study evaluated the transportation-related noise levels within the subject development and recommended warning clauses or noise abatement measures associated with each unit within the proposed medical boarding facility. The analysis for this study was conducted in accordance with the City of Ottawa 2016 Environmental Noise Control (ENC) Guidelines, as well as the Ministry of the Environment Publication NPC-300 (August 2013).

The site location plan and its surrounding context are illustrated in **Figure 1-1** below.

Figure 1-1 – Site Location



## 2 Background

### 2.1 Noise Sources

The proposed development will be primarily subjected to roadway noise from Hunt Club Road, from both the eastbound and westbound segments. All other roads within 100 metres of subject development are identified as local roads and therefore were not analysed as part of this study.

The subject property is located within the limits of the Airport Vicinity Development Zone (AVDZ) for the Ottawa International Airport, as shown on Schedule C14 of the 2022 Official Plan. As such, aircraft noise will be considered in this study.

There are no rail lines within 500 metres of the site, therefore no consideration has been given to the noise impacts from rail traffic, in accordance with the City of Ottawa ENC Guidelines.

### 2.2 Sound Level limits for Road Traffic

Sound level criteria for road traffic, as described in the following sub-sections, was extracted from the ENC Guidelines and the *Ministry of the Environment Publication NPC-300 (August 2013)*. Noise levels are expressed in the form Leq (T), which refers to a weighted level of a steady sound carrying the same total energy in the time period T (in hours) as the observed fluctuation sound.

#### 2.2.1 Indoor Sound Level Criterion

The recommended indoor sound level criteria from Table 2.2b and Table 2.2c of the ENC Guidelines are:

- Bedroom or Sleeping quarters – 23:00 to 07:00 – 40 dBA Leq (8 hours)
- Living/Dining/Den Areas – 07:00 to 23:00 – 45 dBA Leq (16 hours)

The sound levels are based on the windows and doors to an indoor space being closed.

As discussed previously, the proposed development consists of a 5-storey medical boarding facility. For the purpose of assessing noise levels at the building face, receptor locations were reviewed at 13.5 metres above ground level under both daytime and nighttime conditions to determine sound levels for the most exposed fifth-storey windows.

As per NPC-300 C7.1.2.1 and C7.1.2.2, when the outdoor noise levels at the living room window are greater than 55 dBA and less than or equal to 65 dBA and/or greater than 50 dBA and less than or equal to 60 dBA at the bedroom window, then a warning clause specifying the use of forced air heating and a provision for central air conditioning is required. Should the outdoor noise levels exceed 65 dBA at the living room and/or exceed 60 dBA at the bedroom, then central air conditioning is mandatory, building components (walls, windows etc.) must be designed in compliance with the Ontario Building Code to achieve the indoor sound level criteria and a warning clause is required.

#### 2.2.2 Outdoor Sound Level Criterion

As per Table 2.2a of the ENC Guidelines, the outdoor living area (OLA) sound level criteria for the daytime period between 07:00 and 23:00 hours is 55 dBA Leq (16). Sound levels for the OLA are typically calculated 3 metres from

the building face at the centre of the building or within the centre of the OLA. For the proposed development, noise levels were reviewed at the centre of the 2<sup>nd</sup> storey rooftop terrace, 4.5m above ground level.

If the Leq sound level is less than or equal to the above criteria, then no further action is required by the developer. If the sound level exceeds the criteria by less than 5 dBA then the proponent may, with City approval, either provide a warning clause to prospective tenants or install physical attenuation. For sound levels greater than 5 dBA above the criteria, control measures are required to reduce the noise levels as close to 55 dBA as technically, economically and administratively possible. Should the sound levels with the barrier in place exceed 55 dBA, then a warning clause is also required.

## 3 Roadway Noise

### 3.1 Traffic Volume Data

Based on the configuration of the collector and higher-order transportation network with respect to the proposed development, it is assumed that the major sources of transportation noise impacting the site will originate externally from Hunt Club Road to the north.

#### Hunt Club Road

Hunt Club Road, within the site's frontage, presently exists as a four-lane, urban divided arterial with a 60 km/h posted speed limit.

**Table 3-1** below summarizes the traffic and road parameters used in this report. These parameters were extracted from Appendix B: Table B1 of the ENC Guidelines and are conservatively based on roadway capacity.

*Table 3-1 – Traffic and Road Data Summary*

Parameter	Hunt Club Road
Annual Average Daily Traffic (AADT)	17,500 (each direction)
Posted Speed Limit (km/h)	60
% Medium Trucks	7%
% Heavy Trucks	5%
% Daytime Traffic	92%

### 3.2 Calculation Methods

Roadway noise is calculated using the STAMSON 5.04 computer program from the Ontario Ministry of the Environment, Conservation and Parks (MECP).

Unattenuated daytime and nighttime noise levels at the building face were calculated to determine indoor sound levels, the results of which are presented in **Table 3-2** below. Locations of the indoor and outdoor receptors used for the noise calculations were selected to determine the limits of the noise criteria. Parameters used for calculating the noise levels, including the perpendicular distance from the source to receiver and the roadway segment angles are also indicated. As per standard practice, the noise impacts associated with a four-lane, divided arterial road (i.e. Hunt Club Road) were calculated separately for each direction of traffic flow and then the results were combined.

As indicated on **Noise Plan – Drawing No. 126884-N1**, there is one outdoor living area (OLA), referred to as the Rooftop Terrace (2<sup>nd</sup> Storey). An analysis of this shared amenity space is presented in **Table 3-3** below, and the noise level for this outdoor space was evaluated at location 'P1 OLA' on the Noise Plan in accordance with the ENC Guidelines which indicates that the midpoint is an appropriate receptor location for evaluation purposes.



Environmental Noise Impact Assessment  
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Parameters used for calculating the noise levels, including the perpendicular distance from source to receiver and the roadway segment angles are also indicated in **Table 3-2** and **Table 3-3**, while sample measurements are provided on **Drawing No. 126884 – N1**. All output files are provided in **Appendix A**.

Table 3-2 – Unattenuated Noise Levels at Building Face

Receptor Location	Roadway	Source – Receiver Distance (m)	Segment Angles		Indoor Noise Levels (dBA)	
			Left	Right	Daytime	Nighttime
P11LA	Hunt Club Road EB	22.0	-90.00	-10.00	65.87	58.27
	Hunt Club Road WB	37.5				
P21LA	Hunt Club Road EB	34.5	-10.00	90.00	65.18	57.59
	Hunt Club Road WB	42.5				
P31LA	Hunt Club Road EB	19.0	-90.00	0.00	67.19	59.60
	Hunt Club Road WB	34.5				
P41LA	Hunt Club Road EB	18.0	-90.00	90.00	70.47	62.87
	Hunt Club Road WB	33.5				
P51LA	Hunt Club Road EB	19.0	0.00	90.00	67.19	59.60
	Hunt Club Road WB	34.5				
P61LA	Hunt Club Road EB	40.0	-90.00	-10.00	62.19	55.31
	Hunt Club Road WB	55.5				
P71LA	Hunt Club Road EB	37.5	0.00	90.00	63.85	56.25
	Hunt Club Road WB	53.0				
P81LA	Hunt Club Road EB	58.0	-90.00	-10.00	61.02	53.43
	Hunt Club Road WB	73.5				
P91LA	Hunt Club Road EB	57.0	0.00	90.00	61.73	54.13
	Hunt Club Road WB	72.5				
P101LA	Hunt Club Road EB	73.5	-90.00	-10.00	59.79	52.20
	Hunt Club Road WB	89.0				
P111LA	Hunt Club Road EB	75.0	0.00	90.00	60.31	52.71
	Hunt Club Road WB	90.5				
P121LA	Hunt Club Road EB	91.0	-90.00	-5.00	59.00	51.40
	Hunt Club Road WB	106.5				
P131LA	Hunt Club Road EB	94.0	0.00	90.00	59.12	51.53
	Hunt Club Road WB	109.5				
P141LA	Hunt Club Road EB	110.5	-90.00	0.00	58.27	50.67
	Hunt Club Road WB	126.0				
P151LA	Hunt Club Road EB	113.5	0.00	90.00	58.13	50.53
	Hunt Club Road WB	129.0				

As indicated in **Table 3-2** above, all of the noise receptor locations evaluated at the building face exceed the 55 dBA daytime or 50 dBA nighttime criteria at the building face. Noise attenuation measures and warning clauses will therefore be considered in subsequent sections of the report.

Table 3-3 – Unattenuated Noise Levels at OLA

Receptor Location	Roadway	Source – Receiver Distance (m)	Segment Angles		Outdoor Noise Levels (dBA)
			Left	Right	
P1 OLA	Hunt Club Road EB	52.0			56.71
Rooftop Terrace (2 <sup>nd</sup> Storey)	Hunt Club Road WB	67.5	-20.00	15.00	

As presented in **Table 3-3** above, an analysis of the rooftop terrace at the 'P1 OLA' receptor location identified on **Noise Plan Drawing No. 126884-N1** indicates that this location will experience noise levels slightly in excess of the 55 dBA threshold. The need for noise attenuation measures will therefore be considered in subsequent sections of this report.

## 4 Abatement Measures

### 4.1 Indoor Sound Levels

As identified in **Table 3-2** above, the units on the north, northeast and northwest and inner facades of the building's north wings have direct exposure to noise from Hunt Club Road and are expected to exceed 65 dBA (daytime) or 60 dBA (nighttime). Therefore, mandatory central air conditioning, a review of building components are required, as well as a Type 'D' warning clause for each unit along with an exterior wall occupying these facades.

For units along the southeast and southwest façade of the building, which will be indirectly exposed to noise from the existing road segments, daytime noise levels were determined to be less than 65 dBA but still are still expected to exceed 55 dBA (or nighttime noise level is less than 60 dBA but exceeds 50 dBA). As such, an alternative means of ventilation is required, as well as a Type 'C' warning clause for a unit occupying an exterior façade at the southeast or southwest corner of the building. Alternative means of ventilation usually consist of a forced air heating system with ducts sized for future installation of central air conditioning.

### 4.2 Building Components

An analysis of the required building components for units expected to experience noise levels at the building face is typically required when noise levels are either 65 dBA (daytime) or 60 dBA (nighttime). In this circumstance, the results presented in **Table 3-2** and **Table 3-3** above indicate that daytime noise levels along the northern building façade will exceed the 65 dBA threshold (70.47 dBA). Nighttime noise levels were found to be above the 60 dBA threshold (62.87 dBA). Given that the daytime noise levels exceed the thresholds for Type 'D', an assessment of building components was conducted under both daytime and nighttime conditions. This method was developed by the National Research Council (NRC) and involves a review of architectural plans to determine appropriate design assumptions (i.e. window/floor area ratios) in order to calculate the STC rating for windows and glazed doors.

Exterior walls were assumed to have an STC rating of 50, which is a conservative value for a pre-cast concrete wall designed to accommodate Ottawa winters from the Ontario Building Code. With the exterior walls in place, the amount of sound energy absorbed by the windows is calculated in order to determine the STC rating required to meet the sound criteria. All rooms were assumed to have an intermediate, absorptive interior rather than a hard or very absorptive interior, as would be expected for a residential unit.

As indicated in **Table 4-1** below, the maximum required STC rating for the largest windows on the northeast façade of the building and glazed doors was calculated to be 25. This rating was conservatively based on the expected noise levels for the top floor, single-level units with the highest exposure to roadway traffic.

Preliminary plan and profile architectural drawings are provided in **Appendix B**, while STC calculations for the proposed development are included in **Appendix C**.

Table 4-1: Traffic and Road Data Summary

Units	Level	Room Type	Required STC Rating
			Windows & Glazed Doors
Northern Façade	5 <sup>th</sup> Floor	Living Room	25
		Bedroom	16

As indicated in **Table 4-1** above, the maximum required STC rating for windows and glazed doors with the highest exposure to traffic noise was calculated to be 25.

### 4.3 Outdoor Living Area (OLA)

Given that the noise levels within proposed 2<sup>nd</sup> Storey Rooftop Terrace are anticipated to remain above 55 dBA but below 60 dBA, warning clause Type ‘A’ is proposed in lieu of physical abatement measures.

### 4.4 Aircraft Sound Levels

As stated in **Section 2.1**, the subject lands are entirely located within the Airport Vicinity Development Zone (AVDZ). The site is, however, outside of the 25 NEF/NEP contour line so the building components and ventilation requirements of Part 6: Prescribed Measures for Aircraft Noise of the ENC Guidelines do not apply. A warning clause is required for the residential units inside the AVDZ, which in this case applies to all units proposed within the 1470 Hunt Club Road development.

Warning clause for aircraft noise is as follows:

*“Building owners/tenants are advised that due to the proximity of the Ottawa Macdonald-Cartier International Airport, noise from the airport and individual aircraft may at times interfere with outdoor or indoor activities”.*

## 5 Summary of Attenuation Measures

### 5.1 Warning Clauses

A clause regarding noise must appear on the impacted units, as indicated on **Noise Plan – Drawing No. 126884-N1** and listed below:

- Type ‘A’**            2<sup>nd</sup> Floor Rooftop Terrace - All Units
- Type ‘C’**            Southeastern Façade  
                               Southwestern Façade
- Type ‘D’**            Northern Façade  
                               Northeastern Façade  
                               Northwestern Façade  
                               Inner Façades (North Wing)

**Aircraft Warning**            Applicable to all units within the proposed 1470 Hunt Club Road development.

The following warning clauses are taken from Section C8.1 of NPC 300:

<b>Type ‘A’</b>	“Building owners/tenants are advised that sound levels due to increasing Hunt Club Road traffic may occasionally interfere with some activities of the occupants as the sound levels exceed the sound level limits of the Municipality and the Ministry of the Environment, Conservation and Park’s noise criteria.”
<b>Type ‘C’</b>	“This unit has been fitted with a forced air heating system and the ducting, etc. was sized to accommodate central air conditioning. Installation of central air conditioning by the occupant will allow windows and exterior doors to remain closed, thereby ensuring that the indoor sound levels are within the City’s and the Ministry of the Environment, Conservation and Park’s noise criteria. (Note: The location and installation of the outdoor air conditioning device should be done so as to comply with noise criteria of MOE Publication NPC-216, Residential Air Conditioning Devices and thus minimize the noise impacts both on and in the immediate vicinity of the subject property.”
<b>Type ‘D’</b>	“This unit has been supplied with a central air conditioning system which will allow windows and exterior doors to remain closed, thereby ensuring that the indoor sound levels are within the City’s and the Ministry of the Environment, Conservation and Parks noise criteria.”

The aircraft warning clause was provided previously in **Section 4.4**.

## 6 Conclusion

This Environmental Noise Impact Assessment (ENIA) evaluated the impact of roadway noise on the proposed five-storey medical boarding home located at 1470 Hunt Club Road, Ottawa. As indicated through the analysis conducted for this study, it is anticipated that noise levels will remain within the standards established by the City of Ottawa and Ministry of the Environment, Conservation and Parks (MECP), with the exception of select units identified on **Noise Plan – Drawing No. 126884-N1**. For these units, appropriate warning clauses and associated noise abatement measures must be provided for each unit. Since the subject site is located entirely within the Airport Vicinity Development Zone (AVDZ), a warning clause will be required for each unit as well.

## 7 Professional Authorization

Prepared By:



Ben Pascolo-Neveu, P.Eng.



Hunt Club WB Centreline HUNT CLUB ROAD

FIRE DEPARTMENT CONNECTION  
24.1 m UNOBSTRUCTED TO HYDRANT  
CONTINUOUS DEPRESSED CURB

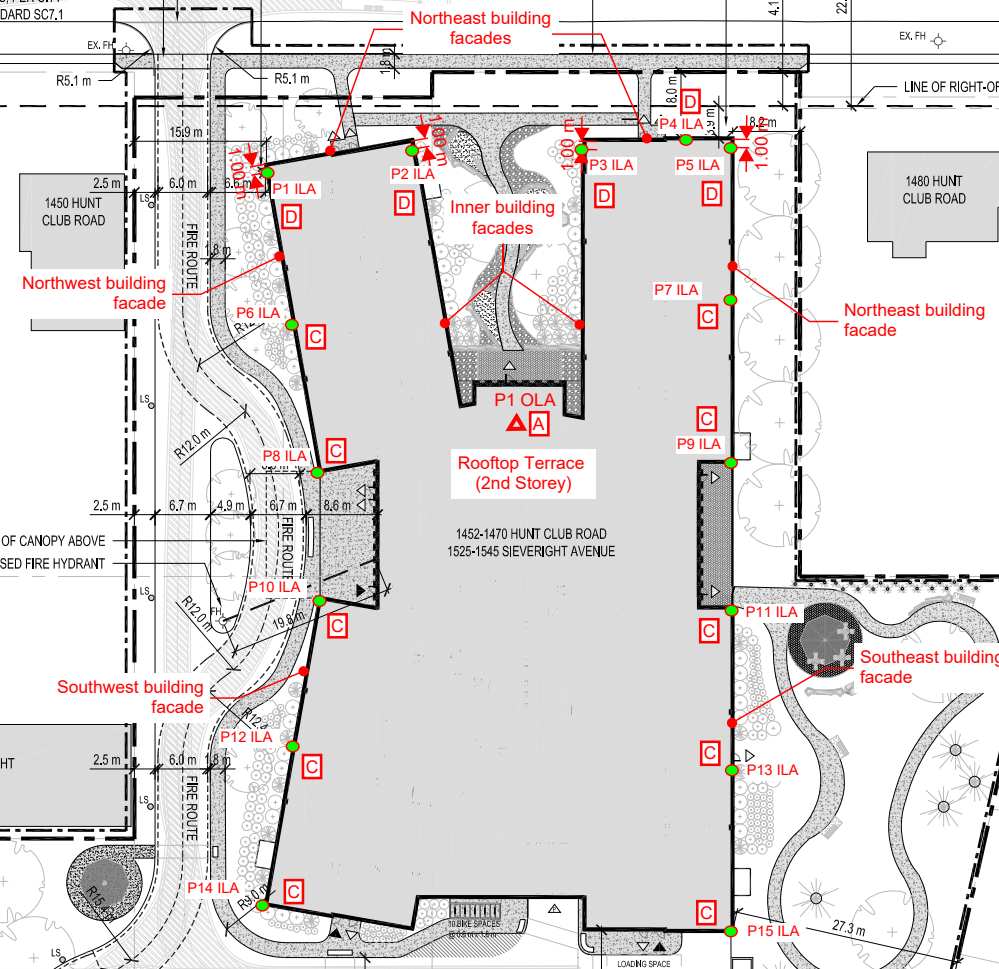
1.8 m SIDEWALK UNINTERRUPTED  
BY CURB RADII, PER CITY  
STANDARD SC7.1

NEW SIDEWALK TO BE  
CONSTRUCTED

GAS METER

ROW CENTRELINE

LINE OF RIGHT-OF-WAY EXPANSION



**LEGEND:**

- OUTDOOR LIVING AREA (OLA) NOISE RECEPTOR
- INDOOR LIVING AREA (ILA) NOISE RECEPTOR AT BUILDING FACE
- WARNING CLAUSE

1426 HUNT CLUB ROAD

1434 HUNT CLUB ROAD

1444 HUNT CLUB ROAD

1450 HUNT CLUB ROAD

1438 HUNT CLUB ROAD

1480 HUNT CLUB ROAD

138 ISSAM PRIVATE

146 ISSAM PRIVATE

1506 HUNT CLUB ROAD

29 MONET COURT

27 MONET COURT

25 MONET COURT

23 MONET COURT

1517 SIEVERIGHT AVENUE

1501 SIEVERIGHT AVENUE

1521 SIEVERIGHT AVENUE

110 ISSAM PRIVATE

120 ISSAM PRIVATE

124 ISSAM PRIVATE

128 ISSAM PRIVATE

132 ISSAM PRIVATE

121 ISSAM PRIVATE

125 ISSAM PRIVATE

131 ISSAM PRIVATE

122 ISSAM PRIVATE

116 ISSAM PRIVATE

115 ISSAM PRIVATE

1611 SIEVERIGHT AVENUE

3 MONET COURT

5 MONET COURT

MONET COURT

2 MONET COURT

4 MONET COURT

6 MONET COURT

8 MONET COURT

# Appendix A

## STAMSON Output Reports



Filename: plila.te                    Time Period: Day/Night 16/8 hours  
Description:

Road data, segment # 1: Hunt Club EB (day/night)

-----  
Car traffic volume : 14168/1232 veh/TimePeriod \*  
Medium truck volume : 1127/98 veh/TimePeriod \*  
Heavy truck volume : 805/70 veh/TimePeriod \*  
Posted speed limit : 60 km/h  
Road gradient : 1 %  
Road pavement : 1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth : 0.00  
Number of Years of Growth : 0.00  
Medium Truck % of Total Volume : 7.00  
Heavy Truck % of Total Volume : 5.00  
Day (16 hrs) % of Total Volume : 92.00

Data for Segment # 1: Hunt Club EB (day/night)

-----  
Angle1 Angle2 : -90.00 deg -10.00 deg  
Wood depth : 0 (No woods.)  
No of house rows : 0 / 0  
Surface : 1 (Absorptive ground surface)  
Receiver source distance : 22.00 / 22.00 m  
Receiver height : 13.50 / 13.50 m  
Topography : 1 (Flat/gentle slope; no barrier)  
Reference angle : 0.00

Road data, segment # 2: Hunt Club WB (day/night)

-----  
Car traffic volume : 14168/1232 veh/TimePeriod \*  
Medium truck volume : 1127/98 veh/TimePeriod \*  
Heavy truck volume : 805/70 veh/TimePeriod \*  
Posted speed limit : 60 km/h  
Road gradient : 1 %  
Road pavement : 1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth : 0.00  
Number of Years of Growth : 0.00  
Medium Truck % of Total Volume : 7.00  
Heavy Truck % of Total Volume : 5.00  
Day (16 hrs) % of Total Volume : 92.00

Data for Segment # 2: Hunt Club WB (day/night)

-----  
Angle1 Angle2 : -90.00 deg -10.00 deg  
Wood depth : 0 (No woods.)  
No of house rows : 0 / 0  
Surface : 1 (Absorptive ground surface)  
Receiver source distance : 37.50 / 37.50 m  
Receiver height : 13.50 / 13.50 m  
Topography : 1 (Flat/gentle slope; no barrier)  
Reference angle : 0.00

Results segment # 1: Hunt Club EB (day)

Source height = 1.50 m

ROAD (0.00 + 64.11 + 0.00) = 64.11 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-10	0.30	70.67	0.00	-2.16	-4.40	0.00	0.00	0.00	64.11

Segment Leq : 64.11 dBA

Results segment # 2: Hunt Club WB (day)

Source height = 1.50 m

ROAD (0.00 + 61.09 + 0.00) = 61.09 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-10	0.30	70.67	0.00	-5.17	-4.40	0.00	0.00	0.00	61.09

Segment Leq : 61.09 dBA

Total Leq All Segments: 65.87 dBA

Results segment # 1: Hunt Club EB (night)

Source height = 1.50 m

ROAD (0.00 + 56.51 + 0.00) = 56.51 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-10	0.30	63.07	0.00	-2.16	-4.40	0.00	0.00	0.00	56.51

Segment Leq : 56.51 dBA

Results segment # 2: Hunt Club WB (night)

Source height = 1.50 m

ROAD (0.00 + 53.50 + 0.00) = 53.50 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-10	0.30	63.07	0.00	-5.17	-4.40	0.00	0.00	0.00	53.50

Segment Leq : 53.50 dBA

Total Leq All Segments: 58.27 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 65.87  
(NIGHT): 58.27

Filename: p2ila.te                    Time Period: Day/Night 16/8 hours  
Description:

Road data, segment # 1: Hunt Club EB (day/night)

-----  
Car traffic volume : 14168/1232 veh/TimePeriod \*  
Medium truck volume : 1127/98 veh/TimePeriod \*  
Heavy truck volume : 805/70 veh/TimePeriod \*  
Posted speed limit : 60 km/h  
Road gradient : 1 %  
Road pavement : 1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth : 0.00  
Number of Years of Growth : 0.00  
Medium Truck % of Total Volume : 7.00  
Heavy Truck % of Total Volume : 5.00  
Day (16 hrs) % of Total Volume : 92.00

Data for Segment # 1: Hunt Club EB (day/night)

-----  
Angle1 Angle2 : -10.00 deg 90.00 deg  
Wood depth : 0 (No woods.)  
No of house rows : 0 / 0  
Surface : 1 (Absorptive ground surface)  
Receiver source distance : 34.50 / 34.50 m  
Receiver height : 13.50 / 13.50 m  
Topography : 1 (Flat/gentle slope; no barrier)  
Reference angle : 0.00

Road data, segment # 2: Hunt Club WB (day/night)

-----  
Car traffic volume : 14168/1232 veh/TimePeriod \*  
Medium truck volume : 1127/98 veh/TimePeriod \*  
Heavy truck volume : 805/70 veh/TimePeriod \*  
Posted speed limit : 60 km/h  
Road gradient : 1 %  
Road pavement : 1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth : 0.00  
Number of Years of Growth : 0.00  
Medium Truck % of Total Volume : 7.00  
Heavy Truck % of Total Volume : 5.00  
Day (16 hrs) % of Total Volume : 92.00

Data for Segment # 2: Hunt Club WB (day/night)

-----  
Angle1 Angle2 : -10.00 deg 90.00 deg  
Wood depth : 0 (No woods.)  
No of house rows : 0 / 0  
Surface : 1 (Absorptive ground surface)  
Receiver source distance : 42.50 / 42.50 m  
Receiver height : 13.50 / 13.50 m  
Topography : 1 (Flat/gentle slope; no barrier)  
Reference angle : 0.00

Results segment # 1: Hunt Club EB (day)

Source height = 1.50 m

ROAD (0.00 + 62.72 + 0.00) = 62.72 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-10	90	0.30	70.67	0.00	-4.70	-3.24	0.00	0.00	0.00	62.72

Segment Leq : 62.72 dBA

Results segment # 2: Hunt Club WB (day)

Source height = 1.50 m

ROAD (0.00 + 61.55 + 0.00) = 61.55 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-10	90	0.30	70.67	0.00	-5.88	-3.24	0.00	0.00	0.00	61.55

Segment Leq : 61.55 dBA

Total Leq All Segments: 65.18 dBA

Results segment # 1: Hunt Club EB (night)

Source height = 1.50 m

ROAD (0.00 + 55.13 + 0.00) = 55.13 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-10	90	0.30	63.07	0.00	-4.70	-3.24	0.00	0.00	0.00	55.13

Segment Leq : 55.13 dBA

Results segment # 2: Hunt Club WB (night)

Source height = 1.50 m

ROAD (0.00 + 53.95 + 0.00) = 53.95 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-10	90	0.30	63.07	0.00	-5.88	-3.24	0.00	0.00	0.00	53.95

Segment Leq : 53.95 dBA

Total Leq All Segments: 57.59 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 65.18  
(NIGHT): 57.59

Filename: p3ila.te                    Time Period: Day/Night 16/8 hours  
Description:

Road data, segment # 1: Hunt Club EB (day/night)

-----  
Car traffic volume    : 14168/1232    veh/TimePeriod    \*  
Medium truck volume  :  1127/98        veh/TimePeriod    \*  
Heavy truck volume   :   805/70        veh/TimePeriod    \*  
Posted speed limit   :     60 km/h  
Road gradient         :     1 %  
Road pavement        :     1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth        :  0.00  
Number of Years of Growth          :  0.00  
Medium Truck % of Total Volume     :  7.00  
Heavy Truck % of Total Volume      :  5.00  
Day (16 hrs) % of Total Volume     : 92.00

Data for Segment # 1: Hunt Club EB (day/night)

-----  
Angle1    Angle2                   : -90.00 deg    0.00 deg  
Wood depth                         :     0        (No woods.)  
No of house rows                   :     0 / 0  
Surface                             :     1        (Absorptive ground surface)  
Receiver source distance           :  19.00 / 19.00 m  
Receiver height                     :  13.50 / 13.50 m  
Topography                         :     1        (Flat/gentle slope; no barrier)  
Reference angle                     :     0.00

Road data, segment # 2: Hunt Club WB (day/night)

-----  
Car traffic volume    : 14168/1232    veh/TimePeriod    \*  
Medium truck volume  :  1127/98        veh/TimePeriod    \*  
Heavy truck volume   :   805/70        veh/TimePeriod    \*  
Posted speed limit   :     60 km/h  
Road gradient         :     1 %  
Road pavement        :     1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth        :  0.00  
Number of Years of Growth          :  0.00  
Medium Truck % of Total Volume     :  7.00  
Heavy Truck % of Total Volume      :  5.00  
Day (16 hrs) % of Total Volume     : 92.00

Data for Segment # 2: Hunt Club WB (day/night)

-----  
Angle1    Angle2                   : -90.00 deg    0.00 deg  
Wood depth                         :     0        (No woods.)  
No of house rows                   :     0 / 0  
Surface                             :     1        (Absorptive ground surface)  
Receiver source distance           :  34.50 / 34.50 m  
Receiver height                     :  13.50 / 13.50 m  
Topography                         :     1        (Flat/gentle slope; no barrier)  
Reference angle                     :     0.00

Results segment # 1: Hunt Club EB (day)

Source height = 1.50 m

ROAD (0.00 + 65.55 + 0.00) = 65.55 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	0	0.30	70.67	0.00	-1.33	-3.78	0.00	0.00	0.00	65.55

Segment Leq : 65.55 dBA

Results segment # 2: Hunt Club WB (day)

Source height = 1.50 m

ROAD (0.00 + 62.18 + 0.00) = 62.18 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	0	0.30	70.67	0.00	-4.70	-3.78	0.00	0.00	0.00	62.18

Segment Leq : 62.18 dBA

Total Leq All Segments: 67.19 dBA

Results segment # 1: Hunt Club EB (night)

Source height = 1.50 m

ROAD (0.00 + 57.95 + 0.00) = 57.95 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	0	0.30	63.07	0.00	-1.33	-3.78	0.00	0.00	0.00	57.95

Segment Leq : 57.95 dBA

Results segment # 2: Hunt Club WB (night)

Source height = 1.50 m

ROAD (0.00 + 54.59 + 0.00) = 54.59 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	0	0.30	63.07	0.00	-4.70	-3.78	0.00	0.00	0.00	54.59

Segment Leq : 54.59 dBA

Total Leq All Segments: 59.60 dBA



TOTAL Leq FROM ALL SOURCES (DAY): 67.19  
(NIGHT): 59.60

Filename: p4ila.te                    Time Period: Day/Night 16/8 hours  
Description:

Road data, segment # 1: Hunt Club EB (day/night)

-----  
Car traffic volume    : 14168/1232    veh/TimePeriod    \*  
Medium truck volume  :  1127/98        veh/TimePeriod    \*  
Heavy truck volume   :   805/70        veh/TimePeriod    \*  
Posted speed limit   :     60 km/h  
Road gradient         :     1 %  
Road pavement        :     1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth         :  0.00  
Number of Years of Growth           :  0.00  
Medium Truck % of Total Volume       :  7.00  
Heavy Truck % of Total Volume         :  5.00  
Day (16 hrs) % of Total Volume       : 92.00

Data for Segment # 1: Hunt Club EB (day/night)

-----  
Angle1    Angle2                   : -90.00 deg    90.00 deg  
Wood depth                         :     0         (No woods.)  
No of house rows                   :     0 / 0  
Surface                             :     1         (Absorptive ground surface)  
Receiver source distance           :  18.00 / 18.00 m  
Receiver height                     :  13.50 / 13.50 m  
Topography                         :     1         (Flat/gentle slope; no barrier)  
Reference angle                     :     0.00

Road data, segment # 2: Hunt Club WB (day/night)

-----  
Car traffic volume    : 14168/1232    veh/TimePeriod    \*  
Medium truck volume  :  1127/98        veh/TimePeriod    \*  
Heavy truck volume   :   805/70        veh/TimePeriod    \*  
Posted speed limit   :     60 km/h  
Road gradient         :     1 %  
Road pavement        :     1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth         :  0.00  
Number of Years of Growth           :  0.00  
Medium Truck % of Total Volume       :  7.00  
Heavy Truck % of Total Volume         :  5.00  
Day (16 hrs) % of Total Volume       : 92.00

Data for Segment # 2: Hunt Club WB (day/night)

-----  
Angle1    Angle2                   : -90.00 deg    90.00 deg  
Wood depth                         :     0         (No woods.)  
No of house rows                   :     0 / 0  
Surface                             :     1         (Absorptive ground surface)  
Receiver source distance           :  33.50 / 33.50 m  
Receiver height                     :  13.50 / 13.50 m  
Topography                         :     1         (Flat/gentle slope; no barrier)  
Reference angle                     :     0.00

Results segment # 1: Hunt Club EB (day)

Source height = 1.50 m

ROAD (0.00 + 68.87 + 0.00) = 68.87 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.30	70.67	0.00	-1.03	-0.77	0.00	0.00	0.00	68.87

Segment Leq : 68.87 dBA

Results segment # 2: Hunt Club WB (day)

Source height = 1.50 m

ROAD (0.00 + 65.36 + 0.00) = 65.36 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.30	70.67	0.00	-4.54	-0.77	0.00	0.00	0.00	65.36

Segment Leq : 65.36 dBA

Total Leq All Segments: 70.47 dBA

Results segment # 1: Hunt Club EB (night)

Source height = 1.50 m

ROAD (0.00 + 61.27 + 0.00) = 61.27 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.30	63.07	0.00	-1.03	-0.77	0.00	0.00	0.00	61.27

Segment Leq : 61.27 dBA

Results segment # 2: Hunt Club WB (night)

Source height = 1.50 m

ROAD (0.00 + 57.76 + 0.00) = 57.76 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.30	63.07	0.00	-4.54	-0.77	0.00	0.00	0.00	57.76

Segment Leq : 57.76 dBA

Total Leq All Segments: 62.87 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 70.47  
(NIGHT): 62.87

Filename: p5ila.te                    Time Period: Day/Night 16/8 hours  
Description:

Road data, segment # 1: Hunt Club EB (day/night)

-----  
Car traffic volume    : 14168/1232    veh/TimePeriod    \*  
Medium truck volume  :  1127/98        veh/TimePeriod    \*  
Heavy truck volume   :   805/70        veh/TimePeriod    \*  
Posted speed limit   :     60 km/h  
Road gradient         :     1 %  
Road pavement        :     1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth        :  0.00  
Number of Years of Growth           :  0.00  
Medium Truck % of Total Volume      :  7.00  
Heavy Truck % of Total Volume       :  5.00  
Day (16 hrs) % of Total Volume      : 92.00

Data for Segment # 1: Hunt Club EB (day/night)

-----  
Angle1    Angle2               :   0.00 deg   90.00 deg  
Wood depth                    :     0        (No woods.)  
No of house rows               :     0 / 0  
Surface                        :     1        (Absorptive ground surface)  
Receiver source distance       :  19.00 / 19.00 m  
Receiver height                :  13.50 / 13.50 m  
Topography                     :     1        (Flat/gentle slope; no barrier)  
Reference angle                :   0.00

Road data, segment # 2: Hunt Club WB (day/night)

-----  
Car traffic volume    : 14168/1232    veh/TimePeriod    \*  
Medium truck volume  :  1127/98        veh/TimePeriod    \*  
Heavy truck volume   :   805/70        veh/TimePeriod    \*  
Posted speed limit   :     60 km/h  
Road gradient         :     1 %  
Road pavement        :     1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth        :  0.00  
Number of Years of Growth           :  0.00  
Medium Truck % of Total Volume      :  7.00  
Heavy Truck % of Total Volume       :  5.00  
Day (16 hrs) % of Total Volume      : 92.00

Data for Segment # 2: Hunt Club WB (day/night)

-----  
Angle1    Angle2               :   0.00 deg   90.00 deg  
Wood depth                    :     0        (No woods.)  
No of house rows               :     0 / 0  
Surface                        :     1        (Absorptive ground surface)  
Receiver source distance       :  34.50 / 34.50 m  
Receiver height                :  13.50 / 13.50 m  
Topography                     :     1        (Flat/gentle slope; no barrier)  
Reference angle                :   0.00

Results segment # 1: Hunt Club EB (day)

Source height = 1.50 m

ROAD (0.00 + 65.55 + 0.00) = 65.55 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	70.67	0.00	-1.33	-3.78	0.00	0.00	0.00	65.55

Segment Leq : 65.55 dBA

Results segment # 2: Hunt Club WB (day)

Source height = 1.50 m

ROAD (0.00 + 62.18 + 0.00) = 62.18 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	70.67	0.00	-4.70	-3.78	0.00	0.00	0.00	62.18

Segment Leq : 62.18 dBA

Total Leq All Segments: 67.19 dBA

Results segment # 1: Hunt Club EB (night)

Source height = 1.50 m

ROAD (0.00 + 57.95 + 0.00) = 57.95 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	63.07	0.00	-1.33	-3.78	0.00	0.00	0.00	57.95

Segment Leq : 57.95 dBA

Results segment # 2: Hunt Club WB (night)

Source height = 1.50 m

ROAD (0.00 + 54.59 + 0.00) = 54.59 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	63.07	0.00	-4.70	-3.78	0.00	0.00	0.00	54.59

Segment Leq : 54.59 dBA

Total Leq All Segments: 59.60 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 67.19  
(NIGHT): 59.60

Filename: p6ila.te                    Time Period: Day/Night 16/8 hours  
Description:

Road data, segment # 1: Hunt Club EB (day/night)

-----  
Car traffic volume    : 14168/1232    veh/TimePeriod    \*  
Medium truck volume  :  1127/98        veh/TimePeriod    \*  
Heavy truck volume   :   805/70        veh/TimePeriod    \*  
Posted speed limit   :     60 km/h  
Road gradient         :     1 %  
Road pavement        :     1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth        :  0.00  
Number of Years of Growth          :  0.00  
Medium Truck % of Total Volume     :  7.00  
Heavy Truck % of Total Volume      :  5.00  
Day (16 hrs) % of Total Volume     : 92.00

Data for Segment # 1: Hunt Club EB (day/night)

-----  
Angle1    Angle2               : -90.00 deg    -10.00 deg  
Wood depth                    :     0        (No woods.)  
No of house rows              :     0 / 0  
Surface                        :     1        (Absorptive ground surface)  
Receiver source distance      :  40.00 / 40.00 m  
Receiver height               :  13.50 / 13.50 m  
Topography                    :     1        (Flat/gentle slope; no barrier)  
Reference angle               :     0.00

Road data, segment # 2: Hunt Club WB (day/night)

-----  
Car traffic volume    : 14168/1232    veh/TimePeriod    \*  
Medium truck volume  :  1127/98        veh/TimePeriod    \*  
Heavy truck volume   :   805/70        veh/TimePeriod    \*  
Posted speed limit   :     60 km/h  
Road gradient         :     1 %  
Road pavement        :     1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth        :  0.00  
Number of Years of Growth          :  0.00  
Medium Truck % of Total Volume     :  7.00  
Heavy Truck % of Total Volume      :  5.00  
Day (16 hrs) % of Total Volume     : 92.00

Data for Segment # 2: Hunt Club WB (day/night)

-----  
Angle1    Angle2               : -90.00 deg    -10.00 deg  
Wood depth                    :     0        (No woods.)  
No of house rows              :     0 / 0  
Surface                        :     1        (Absorptive ground surface)  
Receiver source distance      :  55.50 / 55.50 m  
Receiver height               :  13.50 / 13.50 m  
Topography                    :     1        (Flat/gentle slope; no barrier)  
Reference angle               :     0.00



Results segment # 1: Hunt Club EB (day)

Source height = 1.50 m

ROAD (0.00 + 60.73 + 0.00) = 60.73 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-10	0.30	70.67	0.00	-5.54	-4.40	0.00	0.00	0.00	60.73

Segment Leq : 60.73 dBA

Results segment # 2: Hunt Club WB (day)

Source height = 1.50 m

ROAD (0.00 + 58.88 + 0.00) = 58.88 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-10	0.30	70.67	0.00	-7.39	-4.40	0.00	0.00	0.00	58.88

Segment Leq : 58.88 dBA

Total Leq All Segments: 62.91 dBA

Results segment # 1: Hunt Club EB (night)

Source height = 1.50 m

ROAD (0.00 + 53.13 + 0.00) = 53.13 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-10	0.30	63.07	0.00	-5.54	-4.40	0.00	0.00	0.00	53.13

Segment Leq : 53.13 dBA

Results segment # 2: Hunt Club WB (night)

Source height = 1.50 m

ROAD (0.00 + 51.28 + 0.00) = 51.28 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-10	0.30	63.07	0.00	-7.39	-4.40	0.00	0.00	0.00	51.28

Segment Leq : 51.28 dBA

Total Leq All Segments: 55.31 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 62.91  
(NIGHT): 55.31

Filename: p7ila.te                    Time Period: Day/Night 16/8 hours  
Description:

Road data, segment # 1: Hunt Club EB (day/night)

-----  
Car traffic volume : 14168/1232 veh/TimePeriod \*  
Medium truck volume : 1127/98 veh/TimePeriod \*  
Heavy truck volume : 805/70 veh/TimePeriod \*  
Posted speed limit : 60 km/h  
Road gradient : 1 %  
Road pavement : 1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth : 0.00  
Number of Years of Growth : 0.00  
Medium Truck % of Total Volume : 7.00  
Heavy Truck % of Total Volume : 5.00  
Day (16 hrs) % of Total Volume : 92.00

Data for Segment # 1: Hunt Club EB (day/night)

-----  
Angle1 Angle2 : 0.00 deg 90.00 deg  
Wood depth : 0 (No woods.)  
No of house rows : 0 / 0  
Surface : 1 (Absorptive ground surface)  
Receiver source distance : 37.50 / 37.50 m  
Receiver height : 13.50 / 13.50 m  
Topography : 1 (Flat/gentle slope; no barrier)  
Reference angle : 0.00

Road data, segment # 2: Hunt Club WB (day/night)

-----  
Car traffic volume : 14168/1232 veh/TimePeriod \*  
Medium truck volume : 1127/98 veh/TimePeriod \*  
Heavy truck volume : 805/70 veh/TimePeriod \*  
Posted speed limit : 60 km/h  
Road gradient : 1 %  
Road pavement : 1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth : 0.00  
Number of Years of Growth : 0.00  
Medium Truck % of Total Volume : 7.00  
Heavy Truck % of Total Volume : 5.00  
Day (16 hrs) % of Total Volume : 92.00

Data for Segment # 2: Hunt Club WB (day/night)

-----  
Angle1 Angle2 : 0.00 deg 90.00 deg  
Wood depth : 0 (No woods.)  
No of house rows : 0 / 0  
Surface : 1 (Absorptive ground surface)  
Receiver source distance : 53.00 / 53.00 m  
Receiver height : 13.50 / 13.50 m  
Topography : 1 (Flat/gentle slope; no barrier)  
Reference angle : 0.00

Results segment # 1: Hunt Club EB (day)

Source height = 1.50 m

ROAD (0.00 + 61.71 + 0.00) = 61.71 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	70.67	0.00	-5.17	-3.78	0.00	0.00	0.00	61.71

Segment Leq : 61.71 dBA

Results segment # 2: Hunt Club WB (day)

Source height = 1.50 m

ROAD (0.00 + 59.76 + 0.00) = 59.76 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	70.67	0.00	-7.13	-3.78	0.00	0.00	0.00	59.76

Segment Leq : 59.76 dBA

Total Leq All Segments: 63.85 dBA

Results segment # 1: Hunt Club EB (night)

Source height = 1.50 m

ROAD (0.00 + 54.11 + 0.00) = 54.11 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	63.07	0.00	-5.17	-3.78	0.00	0.00	0.00	54.11

Segment Leq : 54.11 dBA

Results segment # 2: Hunt Club WB (night)

Source height = 1.50 m

ROAD (0.00 + 52.16 + 0.00) = 52.16 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	63.07	0.00	-7.13	-3.78	0.00	0.00	0.00	52.16

Segment Leq : 52.16 dBA

Total Leq All Segments: 56.25 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 63.85  
(NIGHT): 56.25

Filename: p8ila.te                    Time Period: Day/Night 16/8 hours  
Description:

Road data, segment # 1: Hunt Club EB (day/night)

-----  
Car traffic volume    : 14168/1232    veh/TimePeriod    \*  
Medium truck volume  :  1127/98        veh/TimePeriod    \*  
Heavy truck volume   :   805/70        veh/TimePeriod    \*  
Posted speed limit   :     60 km/h  
Road gradient         :     1 %  
Road pavement        :     1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth        :  0.00  
Number of Years of Growth           :  0.00  
Medium Truck % of Total Volume      :  7.00  
Heavy Truck % of Total Volume       :  5.00  
Day (16 hrs) % of Total Volume      : 92.00

Data for Segment # 1: Hunt Club EB (day/night)

-----  
Angle1    Angle2                   : -90.00 deg    -10.00 deg  
Wood depth                         :     0        (No woods.)  
No of house rows                   :     0 / 0  
Surface                             :     1        (Absorptive ground surface)  
Receiver source distance           :  58.00 / 58.00 m  
Receiver height                     :  13.50 / 13.50 m  
Topography                         :     1        (Flat/gentle slope; no barrier)  
Reference angle                     :     0.00

Road data, segment # 2: Hunt Club WB (day/night)

-----  
Car traffic volume    : 14168/1232    veh/TimePeriod    \*  
Medium truck volume  :  1127/98        veh/TimePeriod    \*  
Heavy truck volume   :   805/70        veh/TimePeriod    \*  
Posted speed limit   :     60 km/h  
Road gradient         :     1 %  
Road pavement        :     1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth        :  0.00  
Number of Years of Growth           :  0.00  
Medium Truck % of Total Volume      :  7.00  
Heavy Truck % of Total Volume       :  5.00  
Day (16 hrs) % of Total Volume      : 92.00

Data for Segment # 2: Hunt Club WB (day/night)

-----  
Angle1    Angle2                   : -90.00 deg    -10.00 deg  
Wood depth                         :     0        (No woods.)  
No of house rows                   :     0 / 0  
Surface                             :     1        (Absorptive ground surface)  
Receiver source distance           :  73.50 / 73.50 m  
Receiver height                     :  13.50 / 13.50 m  
Topography                         :     1        (Flat/gentle slope; no barrier)  
Reference angle                     :     0.00

Results segment # 1: Hunt Club EB (day)

Source height = 1.50 m

ROAD (0.00 + 58.63 + 0.00) = 58.63 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-10	0.30	70.67	0.00	-7.64	-4.40	0.00	0.00	0.00	58.63

Segment Leq : 58.63 dBA

Results segment # 2: Hunt Club WB (day)

Source height = 1.50 m

ROAD (0.00 + 57.29 + 0.00) = 57.29 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-10	0.30	70.67	0.00	-8.97	-4.40	0.00	0.00	0.00	57.29

Segment Leq : 57.29 dBA

Total Leq All Segments: 61.02 dBA

Results segment # 1: Hunt Club EB (night)

Source height = 1.50 m

ROAD (0.00 + 51.03 + 0.00) = 51.03 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-10	0.30	63.07	0.00	-7.64	-4.40	0.00	0.00	0.00	51.03

Segment Leq : 51.03 dBA

Results segment # 2: Hunt Club WB (night)

Source height = 1.50 m

ROAD (0.00 + 49.70 + 0.00) = 49.70 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-10	0.30	63.07	0.00	-8.97	-4.40	0.00	0.00	0.00	49.70

Segment Leq : 49.70 dBA

Total Leq All Segments: 53.43 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 61.02  
(NIGHT): 53.43



Filename: p9ila.te                    Time Period: Day/Night 16/8 hours  
Description:

Road data, segment # 1: Hunt Club EB (day/night)

-----  
Car traffic volume : 14168/1232 veh/TimePeriod \*  
Medium truck volume : 1127/98 veh/TimePeriod \*  
Heavy truck volume : 805/70 veh/TimePeriod \*  
Posted speed limit : 60 km/h  
Road gradient : 1 %  
Road pavement : 1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth : 0.00  
Number of Years of Growth : 0.00  
Medium Truck % of Total Volume : 7.00  
Heavy Truck % of Total Volume : 5.00  
Day (16 hrs) % of Total Volume : 92.00

Data for Segment # 1: Hunt Club EB (day/night)

-----  
Angle1 Angle2 : 0.00 deg 90.00 deg  
Wood depth : 0 (No woods.)  
No of house rows : 0 / 0  
Surface : 1 (Absorptive ground surface)  
Receiver source distance : 57.00 / 57.00 m  
Receiver height : 13.50 / 13.50 m  
Topography : 1 (Flat/gentle slope; no barrier)  
Reference angle : 0.00

Road data, segment # 2: Hunt Club WB (day/night)

-----  
Car traffic volume : 14168/1232 veh/TimePeriod \*  
Medium truck volume : 1127/98 veh/TimePeriod \*  
Heavy truck volume : 805/70 veh/TimePeriod \*  
Posted speed limit : 60 km/h  
Road gradient : 1 %  
Road pavement : 1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth : 0.00  
Number of Years of Growth : 0.00  
Medium Truck % of Total Volume : 7.00  
Heavy Truck % of Total Volume : 5.00  
Day (16 hrs) % of Total Volume : 92.00

Data for Segment # 2: Hunt Club WB (day/night)

-----  
Angle1 Angle2 : 0.00 deg 90.00 deg  
Wood depth : 0 (No woods.)  
No of house rows : 0 / 0  
Surface : 1 (Absorptive ground surface)  
Receiver source distance : 72.50 / 72.50 m  
Receiver height : 13.50 / 13.50 m  
Topography : 1 (Flat/gentle slope; no barrier)  
Reference angle : 0.00

Results segment # 1: Hunt Club EB (day)

Source height = 1.50 m

ROAD (0.00 + 59.35 + 0.00) = 59.35 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	70.67	0.00	-7.54	-3.78	0.00	0.00	0.00	59.35

Segment Leq : 59.35 dBA

Results segment # 2: Hunt Club WB (day)

Source height = 1.50 m

ROAD (0.00 + 57.99 + 0.00) = 57.99 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	70.67	0.00	-8.90	-3.78	0.00	0.00	0.00	57.99

Segment Leq : 57.99 dBA

Total Leq All Segments: 61.73 dBA

Results segment # 1: Hunt Club EB (night)

Source height = 1.50 m

ROAD (0.00 + 51.75 + 0.00) = 51.75 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	63.07	0.00	-7.54	-3.78	0.00	0.00	0.00	51.75

Segment Leq : 51.75 dBA

Results segment # 2: Hunt Club WB (night)

Source height = 1.50 m

ROAD (0.00 + 50.39 + 0.00) = 50.39 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	63.07	0.00	-8.90	-3.78	0.00	0.00	0.00	50.39

Segment Leq : 50.39 dBA

Total Leq All Segments: 54.13 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 61.73  
(NIGHT): 54.13

Filename: p10ila.te                    Time Period: Day/Night 16/8 hours  
Description:

Road data, segment # 1: Hunt Club EB (day/night)

-----  
Car traffic volume    : 14168/1232    veh/TimePeriod    \*  
Medium truck volume  :  1127/98        veh/TimePeriod    \*  
Heavy truck volume   :   805/70        veh/TimePeriod    \*  
Posted speed limit   :     60 km/h  
Road gradient         :     1 %  
Road pavement        :     1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth        :  0.00  
Number of Years of Growth           :  0.00  
Medium Truck % of Total Volume      :  7.00  
Heavy Truck % of Total Volume       :  5.00  
Day (16 hrs) % of Total Volume      : 92.00

Data for Segment # 1: Hunt Club EB (day/night)

-----  
Angle1    Angle2                   : -90.00 deg    -10.00 deg  
Wood depth                         :     0        (No woods.)  
No of house rows                   :     0 / 0  
Surface                             :     1        (Absorptive ground surface)  
Receiver source distance           :  73.50 / 73.50 m  
Receiver height                     :  13.50 / 13.50 m  
Topography                         :     1        (Flat/gentle slope; no barrier)  
Reference angle                     :     0.00

Road data, segment # 2: Hunt Club WB (day/night)

-----  
Car traffic volume    : 14168/1232    veh/TimePeriod    \*  
Medium truck volume  :  1127/98        veh/TimePeriod    \*  
Heavy truck volume   :   805/70        veh/TimePeriod    \*  
Posted speed limit   :     60 km/h  
Road gradient         :     1 %  
Road pavement        :     1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth        :  0.00  
Number of Years of Growth           :  0.00  
Medium Truck % of Total Volume      :  7.00  
Heavy Truck % of Total Volume       :  5.00  
Day (16 hrs) % of Total Volume      : 92.00

Data for Segment # 2: Hunt Club WB (day/night)

-----  
Angle1    Angle2                   : -90.00 deg    -10.00 deg  
Wood depth                         :     0        (No woods.)  
No of house rows                   :     0 / 0  
Surface                             :     1        (Absorptive ground surface)  
Receiver source distance           :  89.00 / 89.00 m  
Receiver height                     :  13.50 / 13.50 m  
Topography                         :     1        (Flat/gentle slope; no barrier)  
Reference angle                     :     0.00

Results segment # 1: Hunt Club EB (day)

Source height = 1.50 m

ROAD (0.00 + 57.29 + 0.00) = 57.29 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-10	0.30	70.67	0.00	-8.97	-4.40	0.00	0.00	0.00	57.29

Segment Leq : 57.29 dBA

Results segment # 2: Hunt Club WB (day)

Source height = 1.50 m

ROAD (0.00 + 56.21 + 0.00) = 56.21 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-10	0.30	70.67	0.00	-10.05	-4.40	0.00	0.00	0.00	56.21

Segment Leq : 56.21 dBA

Total Leq All Segments: 59.79 dBA

Results segment # 1: Hunt Club EB (night)

Source height = 1.50 m

ROAD (0.00 + 49.70 + 0.00) = 49.70 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-10	0.30	63.07	0.00	-8.97	-4.40	0.00	0.00	0.00	49.70

Segment Leq : 49.70 dBA

Results segment # 2: Hunt Club WB (night)

Source height = 1.50 m

ROAD (0.00 + 48.62 + 0.00) = 48.62 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-10	0.30	63.07	0.00	-10.05	-4.40	0.00	0.00	0.00	48.62

Segment Leq : 48.62 dBA

Total Leq All Segments: 52.20 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 59.79  
(NIGHT): 52.20

Filename: pllila.te                    Time Period: Day/Night 16/8 hours  
Description:

Road data, segment # 1: Hunt Club EB (day/night)

-----  
Car traffic volume : 14168/1232 veh/TimePeriod \*  
Medium truck volume : 1127/98 veh/TimePeriod \*  
Heavy truck volume : 805/70 veh/TimePeriod \*  
Posted speed limit : 60 km/h  
Road gradient : 1 %  
Road pavement : 1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth : 0.00  
Number of Years of Growth : 0.00  
Medium Truck % of Total Volume : 7.00  
Heavy Truck % of Total Volume : 5.00  
Day (16 hrs) % of Total Volume : 92.00

Data for Segment # 1: Hunt Club EB (day/night)

-----  
Angle1 Angle2 : 0.00 deg 90.00 deg  
Wood depth : 0 (No woods.)  
No of house rows : 0 / 0  
Surface : 1 (Absorptive ground surface)  
Receiver source distance : 75.00 / 75.00 m  
Receiver height : 13.50 / 13.50 m  
Topography : 1 (Flat/gentle slope; no barrier)  
Reference angle : 0.00

Road data, segment # 2: Hunt Club WB (day/night)

-----  
Car traffic volume : 14168/1232 veh/TimePeriod \*  
Medium truck volume : 1127/98 veh/TimePeriod \*  
Heavy truck volume : 805/70 veh/TimePeriod \*  
Posted speed limit : 60 km/h  
Road gradient : 1 %  
Road pavement : 1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth : 0.00  
Number of Years of Growth : 0.00  
Medium Truck % of Total Volume : 7.00  
Heavy Truck % of Total Volume : 5.00  
Day (16 hrs) % of Total Volume : 92.00

Data for Segment # 2: Hunt Club WB (day/night)

-----  
Angle1 Angle2 : 0.00 deg 90.00 deg  
Wood depth : 0 (No woods.)  
No of house rows : 0 / 0  
Surface : 1 (Absorptive ground surface)  
Receiver source distance : 90.50 / 90.50 m  
Receiver height : 13.50 / 13.50 m  
Topography : 1 (Flat/gentle slope; no barrier)  
Reference angle : 0.00

Results segment # 1: Hunt Club EB (day)

Source height = 1.50 m

ROAD (0.00 + 57.80 + 0.00) = 57.80 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	70.67	0.00	-9.09	-3.78	0.00	0.00	0.00	57.80

Segment Leq : 57.80 dBA

Results segment # 2: Hunt Club WB (day)

Source height = 1.50 m

ROAD (0.00 + 56.74 + 0.00) = 56.74 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	70.67	0.00	-10.15	-3.78	0.00	0.00	0.00	56.74

Segment Leq : 56.74 dBA

Total Leq All Segments: 60.31 dBA

Results segment # 1: Hunt Club EB (night)

Source height = 1.50 m

ROAD (0.00 + 50.20 + 0.00) = 50.20 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	63.07	0.00	-9.09	-3.78	0.00	0.00	0.00	50.20

Segment Leq : 50.20 dBA

Results segment # 2: Hunt Club WB (night)

Source height = 1.50 m

ROAD (0.00 + 49.14 + 0.00) = 49.14 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	63.07	0.00	-10.15	-3.78	0.00	0.00	0.00	49.14

Segment Leq : 49.14 dBA

Total Leq All Segments: 52.71 dBA



TOTAL Leq FROM ALL SOURCES (DAY): 60.31  
(NIGHT): 52.71

Filename: p12ila.te                    Time Period: Day/Night 16/8 hours  
Description:

Road data, segment # 1: Hunt Club EB (day/night)

-----  
Car traffic volume : 14168/1232 veh/TimePeriod \*  
Medium truck volume : 1127/98 veh/TimePeriod \*  
Heavy truck volume : 805/70 veh/TimePeriod \*  
Posted speed limit : 60 km/h  
Road gradient : 1 %  
Road pavement : 1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth : 0.00  
Number of Years of Growth : 0.00  
Medium Truck % of Total Volume : 7.00  
Heavy Truck % of Total Volume : 5.00  
Day (16 hrs) % of Total Volume : 92.00

Data for Segment # 1: Hunt Club EB (day/night)

-----  
Angle1 Angle2 : -90.00 deg -5.00 deg  
Wood depth : 0 (No woods.)  
No of house rows : 0 / 0  
Surface : 1 (Absorptive ground surface)  
Receiver source distance : 91.00 / 91.00 m  
Receiver height : 13.50 / 13.50 m  
Topography : 1 (Flat/gentle slope; no barrier)  
Reference angle : 0.00

Road data, segment # 2: Hunt Club WB (day/night)

-----  
Car traffic volume : 14168/1232 veh/TimePeriod \*  
Medium truck volume : 1127/98 veh/TimePeriod \*  
Heavy truck volume : 805/70 veh/TimePeriod \*  
Posted speed limit : 60 km/h  
Road gradient : 1 %  
Road pavement : 1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth : 0.00  
Number of Years of Growth : 0.00  
Medium Truck % of Total Volume : 7.00  
Heavy Truck % of Total Volume : 5.00  
Day (16 hrs) % of Total Volume : 92.00

Data for Segment # 2: Hunt Club WB (day/night)

-----  
Angle1 Angle2 : -90.00 deg -5.00 deg  
Wood depth : 0 (No woods.)  
No of house rows : 0 / 0  
Surface : 1 (Absorptive ground surface)  
Receiver source distance : 106.50 / 106.50 m  
Receiver height : 13.50 / 13.50 m  
Topography : 1 (Flat/gentle slope; no barrier)  
Reference angle : 0.00

Results segment # 1: Hunt Club EB (day)

Source height = 1.50 m

ROAD (0.00 + 56.41 + 0.00) = 56.41 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-5	0.30	70.67	0.00	-10.18	-4.08	0.00	0.00	0.00	56.41

Segment Leq : 56.41 dBA

Results segment # 2: Hunt Club WB (day)

Source height = 1.50 m

ROAD (0.00 + 55.52 + 0.00) = 55.52 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-5	0.30	70.67	0.00	-11.07	-4.08	0.00	0.00	0.00	55.52

Segment Leq : 55.52 dBA

Total Leq All Segments: 59.00 dBA

Results segment # 1: Hunt Club EB (night)

Source height = 1.50 m

ROAD (0.00 + 48.81 + 0.00) = 48.81 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-5	0.30	63.07	0.00	-10.18	-4.08	0.00	0.00	0.00	48.81

Segment Leq : 48.81 dBA

Results segment # 2: Hunt Club WB (night)

Source height = 1.50 m

ROAD (0.00 + 47.92 + 0.00) = 47.92 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-5	0.30	63.07	0.00	-11.07	-4.08	0.00	0.00	0.00	47.92

Segment Leq : 47.92 dBA

Total Leq All Segments: 51.40 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 59.00  
(NIGHT): 51.40

Filename: p13ila.te                    Time Period: Day/Night 16/8 hours  
Description:

Road data, segment # 1: Hunt Club EB (day/night)

-----  
Car traffic volume : 14168/1232 veh/TimePeriod \*  
Medium truck volume : 1127/98 veh/TimePeriod \*  
Heavy truck volume : 805/70 veh/TimePeriod \*  
Posted speed limit : 60 km/h  
Road gradient : 1 %  
Road pavement : 1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth : 0.00  
Number of Years of Growth : 0.00  
Medium Truck % of Total Volume : 7.00  
Heavy Truck % of Total Volume : 5.00  
Day (16 hrs) % of Total Volume : 92.00

Data for Segment # 1: Hunt Club EB (day/night)

-----  
Angle1 Angle2 : 0.00 deg 90.00 deg  
Wood depth : 0 (No woods.)  
No of house rows : 0 / 0  
Surface : 1 (Absorptive ground surface)  
Receiver source distance : 94.00 / 94.00 m  
Receiver height : 13.50 / 13.50 m  
Topography : 1 (Flat/gentle slope; no barrier)  
Reference angle : 0.00

Road data, segment # 2: Hunt Club WB (day/night)

-----  
Car traffic volume : 14168/1232 veh/TimePeriod \*  
Medium truck volume : 1127/98 veh/TimePeriod \*  
Heavy truck volume : 805/70 veh/TimePeriod \*  
Posted speed limit : 60 km/h  
Road gradient : 1 %  
Road pavement : 1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth : 0.00  
Number of Years of Growth : 0.00  
Medium Truck % of Total Volume : 7.00  
Heavy Truck % of Total Volume : 5.00  
Day (16 hrs) % of Total Volume : 92.00

Data for Segment # 2: Hunt Club WB (day/night)

-----  
Angle1 Angle2 : 0.00 deg 90.00 deg  
Wood depth : 0 (No woods.)  
No of house rows : 0 / 0  
Surface : 1 (Absorptive ground surface)  
Receiver source distance : 109.50 / 109.50 m  
Receiver height : 13.50 / 13.50 m  
Topography : 1 (Flat/gentle slope; no barrier)  
Reference angle : 0.00

Results segment # 1: Hunt Club EB (day)

Source height = 1.50 m

ROAD (0.00 + 56.52 + 0.00) = 56.52 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	70.67	0.00	-10.36	-3.78	0.00	0.00	0.00	56.52

Segment Leq : 56.52 dBA

Results segment # 2: Hunt Club WB (day)

Source height = 1.50 m

ROAD (0.00 + 55.66 + 0.00) = 55.66 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	70.67	0.00	-11.22	-3.78	0.00	0.00	0.00	55.66

Segment Leq : 55.66 dBA

Total Leq All Segments: 59.12 dBA

Results segment # 1: Hunt Club EB (night)

Source height = 1.50 m

ROAD (0.00 + 48.93 + 0.00) = 48.93 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	63.07	0.00	-10.36	-3.78	0.00	0.00	0.00	48.93

Segment Leq : 48.93 dBA

Results segment # 2: Hunt Club WB (night)

Source height = 1.50 m

ROAD (0.00 + 48.06 + 0.00) = 48.06 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	63.07	0.00	-11.22	-3.78	0.00	0.00	0.00	48.06

Segment Leq : 48.06 dBA

Total Leq All Segments: 51.53 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 59.12  
(NIGHT): 51.53

Filename: p14ila.te                    Time Period: Day/Night 16/8 hours  
Description:

Road data, segment # 1: Hunt Club EB (day/night)

-----  
Car traffic volume    : 14168/1232    veh/TimePeriod    \*  
Medium truck volume  :  1127/98        veh/TimePeriod    \*  
Heavy truck volume   :   805/70        veh/TimePeriod    \*  
Posted speed limit   :     60 km/h  
Road gradient         :     1 %  
Road pavement        :     1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth        :  0.00  
Number of Years of Growth         :  0.00  
Medium Truck % of Total Volume     :  7.00  
Heavy Truck % of Total Volume      :  5.00  
Day (16 hrs) % of Total Volume     : 92.00

Data for Segment # 1: Hunt Club EB (day/night)

-----  
Angle1    Angle2                   : -90.00 deg    0.00 deg  
Wood depth                         :     0        (No woods.)  
No of house rows                   :     0 / 0  
Surface                             :     1        (Absorptive ground surface)  
Receiver source distance           : 110.50 / 110.50 m  
Receiver height                     :  13.50 / 13.50 m  
Topography                         :     1        (Flat/gentle slope; no barrier)  
Reference angle                     :     0.00

Road data, segment # 2: Hunt Club WB (day/night)

-----  
Car traffic volume    : 14168/1232    veh/TimePeriod    \*  
Medium truck volume  :  1127/98        veh/TimePeriod    \*  
Heavy truck volume   :   805/70        veh/TimePeriod    \*  
Posted speed limit   :     60 km/h  
Road gradient         :     1 %  
Road pavement        :     1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth        :  0.00  
Number of Years of Growth         :  0.00  
Medium Truck % of Total Volume     :  7.00  
Heavy Truck % of Total Volume      :  5.00  
Day (16 hrs) % of Total Volume     : 92.00

Data for Segment # 2: Hunt Club WB (day/night)

-----  
Angle1    Angle2                   : -90.00 deg    0.00 deg  
Wood depth                         :     0        (No woods.)  
No of house rows                   :     0 / 0  
Surface                             :     1        (Absorptive ground surface)  
Receiver source distance           : 126.00 / 126.00 m  
Receiver height                     :  13.50 / 13.50 m  
Topography                         :     1        (Flat/gentle slope; no barrier)  
Reference angle                     :     0.00



Results segment # 1: Hunt Club EB (day)

Source height = 1.50 m

ROAD (0.00 + 55.61 + 0.00) = 55.61 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	0	0.30	70.67	0.00	-11.28	-3.78	0.00	0.00	0.00	55.61

Segment Leq : 55.61 dBA

Results segment # 2: Hunt Club WB (day)

Source height = 1.50 m

ROAD (0.00 + 54.87 + 0.00) = 54.87 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	0	0.30	70.67	0.00	-12.02	-3.78	0.00	0.00	0.00	54.87

Segment Leq : 54.87 dBA

Total Leq All Segments: 58.27 dBA

Results segment # 1: Hunt Club EB (night)

Source height = 1.50 m

ROAD (0.00 + 48.01 + 0.00) = 48.01 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	0	0.30	63.07	0.00	-11.28	-3.78	0.00	0.00	0.00	48.01

Segment Leq : 48.01 dBA

Results segment # 2: Hunt Club WB (night)

Source height = 1.50 m

ROAD (0.00 + 47.27 + 0.00) = 47.27 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	0	0.30	63.07	0.00	-12.02	-3.78	0.00	0.00	0.00	47.27

Segment Leq : 47.27 dBA

Total Leq All Segments: 50.67 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 58.27  
(NIGHT): 50.67

Filename: p15ila.te                    Time Period: Day/Night 16/8 hours  
Description:

Road data, segment # 1: Hunt Club EB (day/night)

-----  
Car traffic volume    : 14168/1232    veh/TimePeriod    \*  
Medium truck volume  :  1127/98        veh/TimePeriod    \*  
Heavy truck volume   :   805/70        veh/TimePeriod    \*  
Posted speed limit   :     60 km/h  
Road gradient         :     1 %  
Road pavement        :     1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth        :  0.00  
Number of Years of Growth          :  0.00  
Medium Truck % of Total Volume     :  7.00  
Heavy Truck % of Total Volume      :  5.00  
Day (16 hrs) % of Total Volume     : 92.00

Data for Segment # 1: Hunt Club EB (day/night)

-----  
Angle1    Angle2                   :   0.00 deg   90.00 deg  
Wood depth                         :       0       (No woods.)  
No of house rows                   :       0 / 0  
Surface                             :       1       (Absorptive ground surface)  
Receiver source distance           : 113.50 / 113.50 m  
Receiver height                     :  13.50 / 13.50 m  
Topography                         :       1       (Flat/gentle slope; no barrier)  
Reference angle                     :   0.00

Road data, segment # 2: Hunt Club WB (day/night)

-----  
Car traffic volume    : 14168/1232    veh/TimePeriod    \*  
Medium truck volume  :  1127/98        veh/TimePeriod    \*  
Heavy truck volume   :   805/70        veh/TimePeriod    \*  
Posted speed limit   :     60 km/h  
Road gradient         :     1 %  
Road pavement        :     1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth        :  0.00  
Number of Years of Growth          :  0.00  
Medium Truck % of Total Volume     :  7.00  
Heavy Truck % of Total Volume      :  5.00  
Day (16 hrs) % of Total Volume     : 92.00

Data for Segment # 2: Hunt Club WB (day/night)

-----  
Angle1    Angle2                   :   0.00 deg   90.00 deg  
Wood depth                         :       0       (No woods.)  
No of house rows                   :       0 / 0  
Surface                             :       1       (Absorptive ground surface)  
Receiver source distance           : 129.00 / 129.00 m  
Receiver height                     :  13.50 / 13.50 m  
Topography                         :       1       (Flat/gentle slope; no barrier)  
Reference angle                     :   0.00

Results segment # 1: Hunt Club EB (day)

Source height = 1.50 m

ROAD (0.00 + 55.46 + 0.00) = 55.46 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	70.67	0.00	-11.43	-3.78	0.00	0.00	0.00	55.46

Segment Leq : 55.46 dBA

Results segment # 2: Hunt Club WB (day)

Source height = 1.50 m

ROAD (0.00 + 54.74 + 0.00) = 54.74 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	70.67	0.00	-12.15	-3.78	0.00	0.00	0.00	54.74

Segment Leq : 54.74 dBA

Total Leq All Segments: 58.13 dBA

Results segment # 1: Hunt Club EB (night)

Source height = 1.50 m

ROAD (0.00 + 47.86 + 0.00) = 47.86 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	63.07	0.00	-11.43	-3.78	0.00	0.00	0.00	47.86

Segment Leq : 47.86 dBA

Results segment # 2: Hunt Club WB (night)

Source height = 1.50 m

ROAD (0.00 + 47.14 + 0.00) = 47.14 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.30	63.07	0.00	-12.15	-3.78	0.00	0.00	0.00	47.14

Segment Leq : 47.14 dBA

Total Leq All Segments: 50.53 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 58.13  
(NIGHT): 50.53

Filename: plola.te                    Time Period: Day/Night 16/8 hours  
Description:

Road data, segment # 1: Hunt Club EB (day/night)

-----  
Car traffic volume : 14168/1232 veh/TimePeriod \*  
Medium truck volume : 1127/98 veh/TimePeriod \*  
Heavy truck volume : 805/70 veh/TimePeriod \*  
Posted speed limit : 60 km/h  
Road gradient : 1 %  
Road pavement : 1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth : 0.00  
Number of Years of Growth : 0.00  
Medium Truck % of Total Volume : 7.00  
Heavy Truck % of Total Volume : 5.00  
Day (16 hrs) % of Total Volume : 92.00

Data for Segment # 1: Hunt Club EB (day/night)

-----  
Angle1 Angle2 : -20.00 deg 15.00 deg  
Wood depth : 0 (No woods.)  
No of house rows : 0 / 0  
Surface : 1 (Absorptive ground surface)  
Receiver source distance : 52.00 / 52.00 m  
Receiver height : 1.50 / 0.00 m  
Topography : 1 (Flat/gentle slope; no barrier)  
Reference angle : 0.00

Road data, segment # 2: Hunt Club WB (day/night)

-----  
Car traffic volume : 14168/1232 veh/TimePeriod \*  
Medium truck volume : 1127/98 veh/TimePeriod \*  
Heavy truck volume : 805/70 veh/TimePeriod \*  
Posted speed limit : 60 km/h  
Road gradient : 1 %  
Road pavement : 1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 17500  
Percentage of Annual Growth : 0.00  
Number of Years of Growth : 0.00  
Medium Truck % of Total Volume : 7.00  
Heavy Truck % of Total Volume : 5.00  
Day (16 hrs) % of Total Volume : 92.00

Data for Segment # 2: Hunt Club WB (day/night)

-----  
Angle1 Angle2 : -20.00 deg 15.00 deg  
Wood depth : 0 (No woods.)  
No of house rows : 0 / 0  
Surface : 1 (Absorptive ground surface)  
Receiver source distance : 67.50 / 67.50 m  
Receiver height : 1.50 / 0.00 m  
Topography : 1 (Flat/gentle slope; no barrier)  
Reference angle : 0.00

Results segment # 1: Hunt Club EB (day)

Source height = 1.50 m

ROAD (0.00 + 54.54 + 0.00) = 54.54 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-20	15	0.66	70.67	0.00	-8.96	-7.16	0.00	0.00	0.00	54.54

Segment Leq : 54.54 dBA

Results segment # 2: Hunt Club WB (day)

Source height = 1.50 m

ROAD (0.00 + 52.66 + 0.00) = 52.66 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-20	15	0.66	70.67	0.00	-10.84	-7.16	0.00	0.00	0.00	52.66

Segment Leq : 52.66 dBA

Total Leq All Segments: 56.71 dBA

Results segment # 1: Hunt Club EB (night)

Source height = 1.50 m

ROAD (0.00 + 46.95 + 0.00) = 46.95 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-20	15	0.66	63.07	0.00	-8.96	-7.16	0.00	0.00	0.00	46.95

Segment Leq : 46.95 dBA

Results segment # 2: Hunt Club WB (night)

Source height = 1.50 m

ROAD (0.00 + 45.07 + 0.00) = 45.07 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-20	15	0.66	63.07	0.00	-10.84	-7.16	0.00	0.00	0.00	45.07

Segment Leq : 45.07 dBA

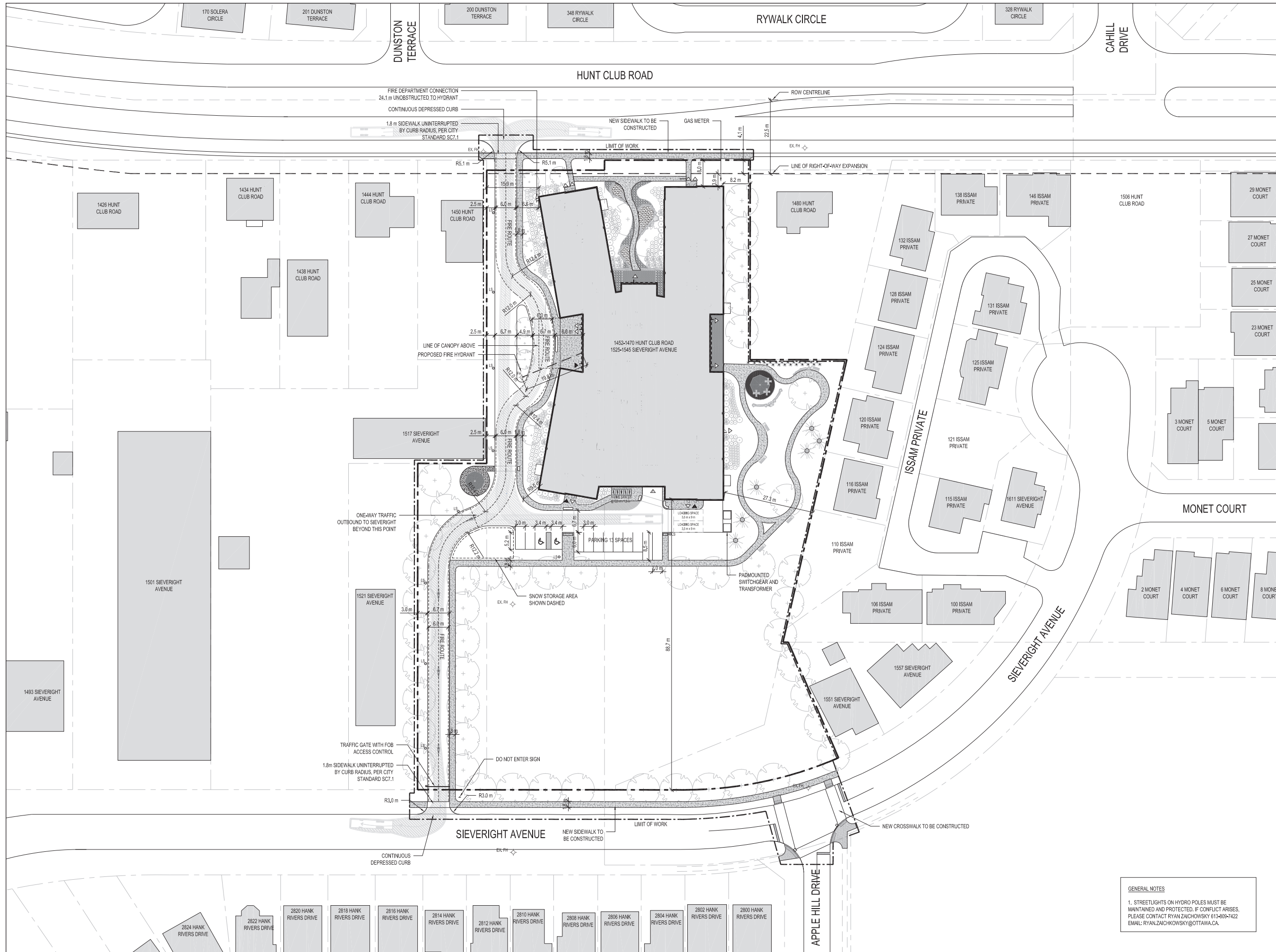
Total Leq All Segments: 49.12 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 56.71  
(NIGHT): 49.12



# Appendix B

## Architecture Plans



- LEGEND**
- PROPERTY LINE
  - - - LIMIT OF WORK LINE
  - ⊕ EX, FH EXISTING FIRE HYDRANT
  - ⊕ FH PROPOSED FIRE HYDRANT
  - LS LIGHT STANDARD, REFER TO ELECTRICAL
  - ▨ NEW CONCRETE SIDEWALK
  - ▨ TWWS WITH CONTINUOUS DEPRESSED CURB
  - ▲ BUILDING ENTRANCE
  - △ BUILDING EXIT
  - △ PARKING ENTRANCE

**SURVEY CREDIT**

LOT REFERENCE: PART OF LOTS 4 AND 5 REGISTERED PLAN 141 CITY OF OTTAWA

AS PREPARED BY ANNIS, OSULLIVAN, VOLLEBEKK LTD.

14 CONCOURSE GATE  
SUITE 500  
NEPEAN, ON, K2E 7S6  
PHONE: 613-272-0850  
EMAIL: NEPEAN@AOVLTD.COM

DATED JULY 9th, 2021

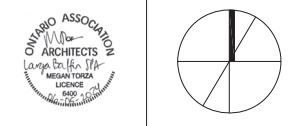
NO.	DATE	DESCRIPTION
7	2024-07-12	SPA PHASE 3 REVIEW
6	2024-04-24	SPA PHASE 3 REVIEW
5	2024-03-07	SPA PHASE 3 REVIEW
4	2023-10-06	COSTING - CLASS D 60%
3	2022-05-17	OPA / ZBLA FINAL

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**LARGA BAFFIN**  
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1525-1545 Sieveright Avenue  
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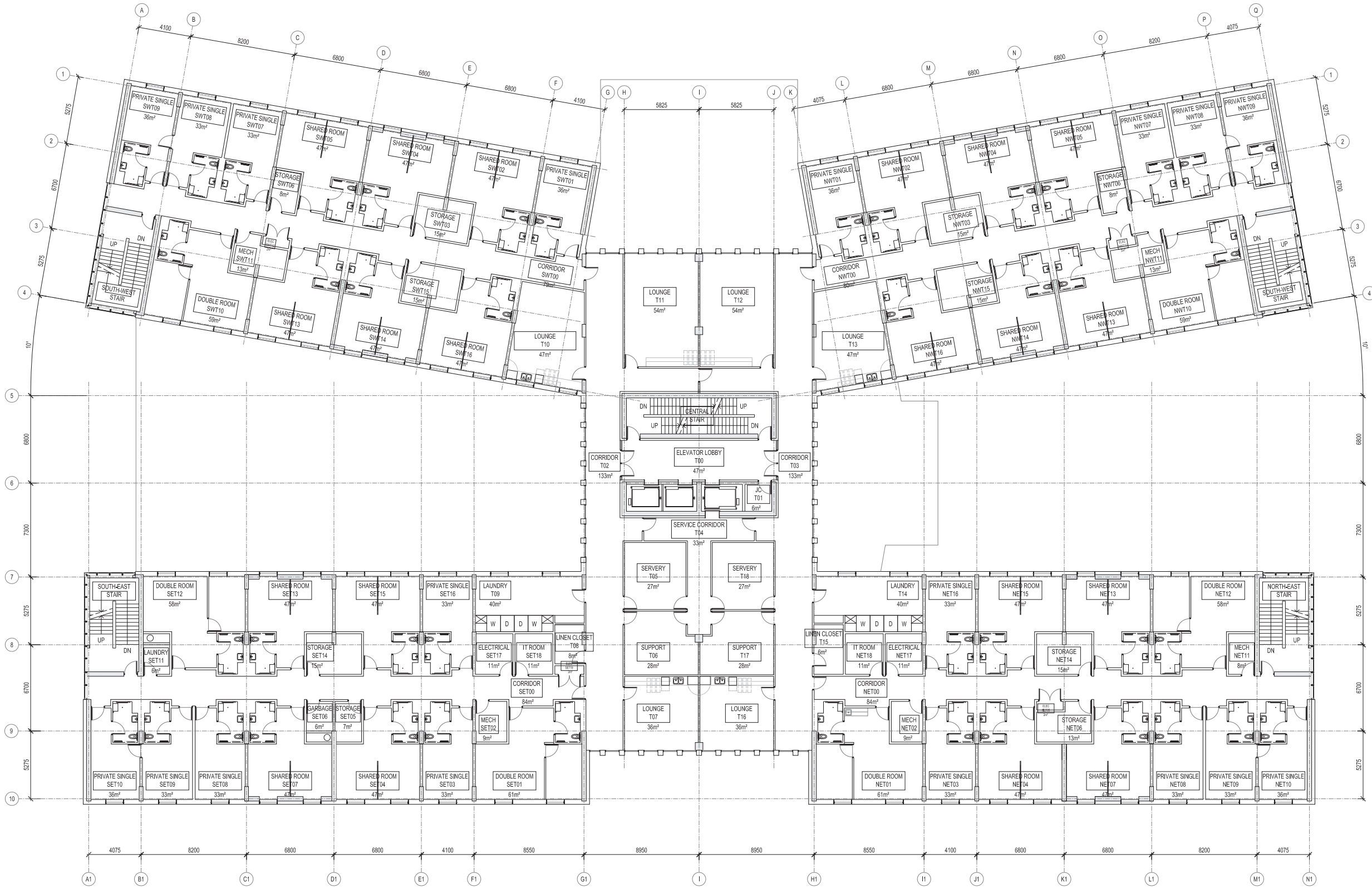
DRAWING TITLE:  
**SITE PLAN**

PRINT DATE: 2024-07-11  
SCALE: 1:500  
PROJECT NO. 17-029  
DRAWN BY: NP/FC  
CHECKED BY: MT

**GENERAL NOTES**

1. STREETLIGHTS ON HYDRO POLES MUST BE MAINTAINED AND PROTECTED. IF CONFLICT ARISES, PLEASE CONTACT RYAN ZAICHOWSKY 613-809-7422 EMAIL: RYAN.ZAICHOWSKY@OTTAWA.CA.

**A100**



NO.	DATE	DESCRIPTION
6	2024-07-12	SPA PHASE 3 REVIEW
5	2024-04-24	SPA PHASE 3 REVIEW
4	2024-03-07	SPA PHASE 3 REVIEW
3	2023-10-06	COSTING - CLASS D 60%
2	2022-05-17	OPA / ZBLA FINAL

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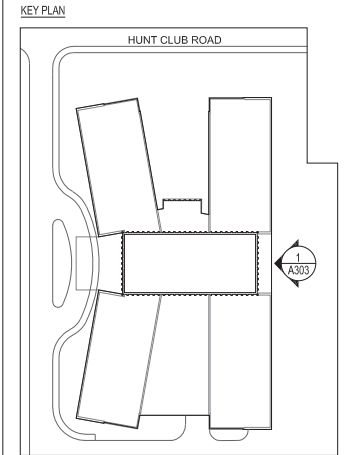
DRAWING TITLE:  
**THIRD AND FOURTH  
 LEVEL PLAN**

PRINT DATE: 2024-07-11  
 SCALE: 1:150  
 PROJECT NO. 17-029  
 DRAWN BY: NP/FC  
 CHECKED BY: MT

**A203**

GENERAL NOTE  
 ALL GLAZING WITHIN 16M OF FINISHED GRADE TO BE TREATED WITH BIRD-FRIENDLY FRIT PATTERN

- LEGEND
- SANDBLASTED CONCRETE FOUNDATION UPSTAND
  - MASONRY CLADDING
  - VARIEGATED VERTICAL WOOD CLADDING
  - METAL CLAD PILASTER
  - ALUMINUM PUNCHED WINDOW
  - ALUMINUM CURTAIN WALL
  - STAIR ALUMINUM CURTAIN WALL W/ PRIVACY FILM
  - SHADOWBOX WINDOW FRAME
  - PREFINISHED METAL CAP
  - PREFINISHED METAL PARAPET CAP FLASHING
  - PREFINISHED METAL FLASHING
  - PREFINISHED METAL LOUVRES
  - BUILDING SIGNAGE
  - ENTRANCE CANOPY
  - MATERIAL REVEAL
  - OVERHEAD GARAGE / SERVICE DOOR
  - MURAL WALL SIGNAGE
  - FIRE DEPARTMENT CONNECTION
  - SANDBLASTED CONCRETE PANEL CLADDING
  - TRANSLUCENT PRIVACY FILM



NO.	DATE	DESCRIPTION
6	2024-07-12	SPA PHASE 3 REVIEW
5	2024-04-24	SPA PHASE 3 REVIEW
4	2024-03-07	SPA PHASE 3 REVIEW
3	2023-10-06	COSTING - CLASS D 60%
2	2022-05-17	OPA / ZBLA FINAL

ISSUE RECORD

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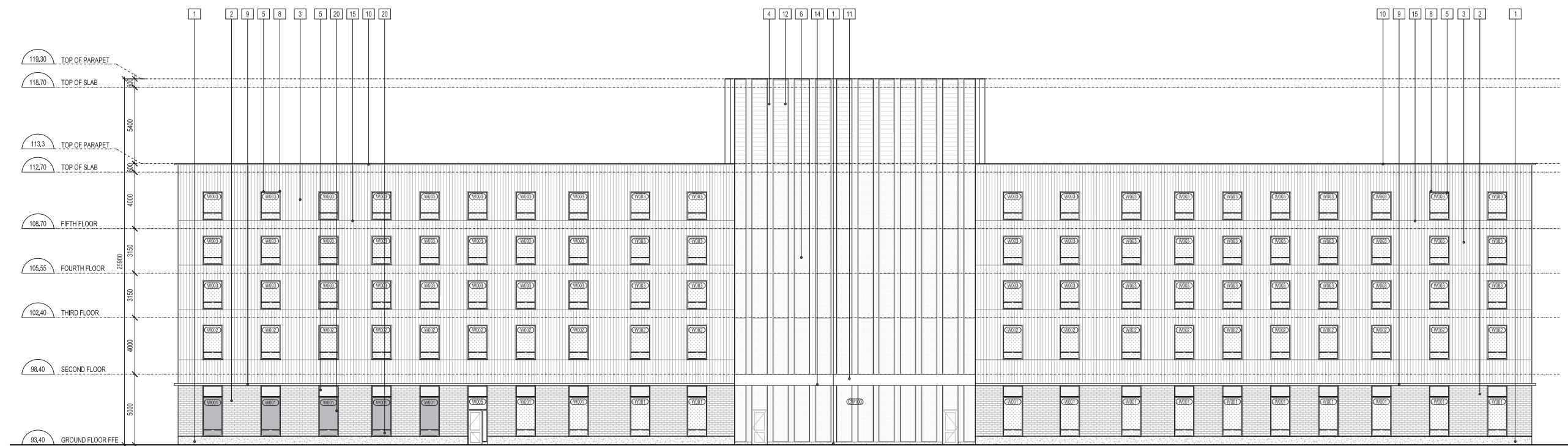
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DRAWING TITLE:

ELEVATIONS

PRINT DATE: 2024-07-11  
 SCALE: 1:150  
 PROJECT NO. 17-029  
 DRAWN BY: NP/FC  
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**A303**



1 EAST ELEVATION  
 A303 1:150

# Appendix C

## STC Calculations



**Northeast Façade, 5th Floor, Daytime Conditions**

DAYTIME

Reverse Evaluation of Sound Transmission Class (STC) for Building Components

<b>1.0</b>	Free field sound level	<u>70.47</u> dBA	Noise source
	Correction for reflections	<u>3</u> dBA	Road
	Outdoor sound level	<u>73.47</u> dBA	Indoor Quarters
	Indoor sound level (Daytime)	<u>45</u> dBA	Living
	Required Noise Reduction (NR)	<u>28.47</u> dB	Subtract indoor from outdoor sound level
<b>2.0</b>	Sound angle of incidence	0 to 90 degrees	C <sub>1</sub> Correction from Table 7.7
			<u>0</u> dB
			Sum <u>28.47</u> dB

	Component:	Wall	STC	<u>50</u> dB
<b>3.0</b>	Noise spectrum type	D - Mixed Road Traffic, Distant Aircraft	C <sub>4</sub> from Table 7.10	<u>7</u> dB
	Component category	d. Sealed thick window, or exterior wall, or roof/ceiling	Correction	<u>-7</u> dB
<b>4.0</b>	Room floor area	<u>35.21</u> m <sup>2</sup>	28.40102 % of floor area	
	Component Area	<u>10</u> m <sup>2</sup>		
	Room absorption category	Intermediate	C <sub>3</sub> from Table 7.9	<u>-10</u> dB
			Correction	<u>10</u> dB
<b>5.0</b>	Noise reduction if only this component transmits sound			<u>53</u> dB
<b>6.0</b>	Required noise reduction (from Step 1)			<u>28</u> dB
<b>7.0</b>	Term C <sub>2</sub> : Subtract the Required NR from the Noise Reduction for this component			<u>25</u> dB
<b>8.0</b>	Determine from Table 7.8 the corresponding value of total transmitted sound energy			<u>5</u> %

	Component:	Window	After step 2	<u>28.47</u> dB
<b>9.0</b>	Transmits	95 % of total sound energy	C <sub>2</sub> from Table 7.8	<u>0</u> dB
<b>10.0</b>	Room floor area	<u>35.21</u> m <sup>2</sup>	8.520307 % of floor area	
	Component Area	<u>3</u> m <sup>2</sup>		
	Room absorption category	Intermediate	C <sub>3</sub> from Table 7.9	<u>-10</u> dB
<b>11.0</b>	Noise spectrum type	D - Mixed Road Traffic, Distant Aircraft	C <sub>4</sub> from Table 7.10	<u>7</u> dB
	Component category	d. Sealed thick window, or exterior wall, or roof/ceil		
			Required STC	<u>25</u>
			STC=NR+C <sub>1</sub> +C <sub>2</sub> +C <sub>3</sub> +C <sub>4</sub>	

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**Northeast Façade - 5th Floor Unit - Nighttime Conditions**

Reverse Evaluation of Sound Transmission Class (STC) for Building Components

<b>1.0</b>	Free field sound level	<u>62.87</u> dBA	Noise source	
	Correction for reflections	<u>3</u> dBA	Road	▼
	Outdoor sound level	<u>65.87</u> dBA	Indoor Quarters	
	Indoor sound level (Night time)	<u>40</u> dBA	Sleeping	▼
	Required Noise Reduction (NR)	<u>25.87</u> dB	Subtract indoor from outdoor sound level	
<b>2.0</b>	Sound angle of incidence	0 to 90 degrees ▼	C <sub>1</sub> Correction from Table 7.7	<u>0</u> dB
			Sum	<u>25.87</u> dB

	Component:	Wall ▼	STC	<u>50</u> dB
<b>3.0</b>	Noise spectrum type	A - Large Aircraft Landing ▼	C <sub>4</sub> from Table 7.10	<u>0</u> dB
	Component category	d. Sealed thick window, or exterior wall, or roof/ceiling ▼	Correction	<u>0</u> dB
<b>4.0</b>	Room floor area	<u>35.21</u> m <sup>2</sup>	28.40102 % of floor area	
	Component Area	<u>10</u> m <sup>2</sup>		
	Room absorption category	Intermediate ▼	C <sub>3</sub> from Table 7.9	<u>-10</u> dB
			Correction	<u>10</u> dB
<b>5.0</b>	Noise reduction if only this component transmits sound			<u>60</u> dB
<b>6.0</b>	Required noise reduction (from Step 1)			<u>26</u> dB
<b>7.0</b>	Term C <sub>2</sub> : Subtract the Required NR from the Noise Reduction for this component			<u>34</u> dB
<b>8.0</b>	Determine from Table 7.8 the corresponding value of total transmitted sound energy			<u>5</u> %

	Component:	Window ▼	After step 2	<u>25.87</u> dB
<b>9.0</b>	Transmits	95 % of total sound energy	C <sub>2</sub> from Table 7.8	<u>0</u> dB
<b>10.0</b>	Room floor area	<u>35.21</u> m <sup>2</sup>	9.940358 % of floor area	
	Component Area	<u>3.5</u> m <sup>2</sup>		
	Room absorption category	Intermediate ▼	C <sub>3</sub> from Table 7.9	<u>-10</u> dB
<b>11.0</b>	Noise spectrum type	A - Large Aircraft Landing ▼	C <sub>4</sub> from Table 7.10	<u>0</u> dB
	Component category	d. Sealed thick window, or exterior wall, or roof/ceil ▼		
		STC=NR+C <sub>1</sub> +C <sub>2</sub> +C <sub>3</sub> +C <sub>4</sub>	Required STC	<u>16</u>

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