



Stationary Noise Assessment

Sysco Tannis - 2390 Stevenage Drive

Ottawa, Ontario

REPORT: GWE18-121 - Stationary Noise Revision 3

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EXECUTIVE SUMMARY

This document describes a stationary noise assessment performed for the proposed redevelopment of the Sysco Tannis facility located at 2390 Stevenage Drive in Ottawa, Ontario. The assessment has been revised to address City comments and public concern. The proposed redevelopment comprises an irregular L-shape planform site which currently contains the existing low-rise industrial building. The proposed expansion, which involves site expansion to previously vacant areas to the south, would increase the total interior area from 10,176 m² to approximately 23,033 m². The project would include the expansion of various interior areas, such as the dry warehouse and the cooler, as well as the addition of parking spaces for employee vehicles, delivery and shipping, and storage area for refrigerated and non-refrigerated trailers. Sources of stationary noise include rooftop air handling equipment, a garbage compactor, and operations of refrigerated trailers (reefers). Figure 1 illustrates a site plan with surrounding context.

The assessment is based on: (i) theoretical noise prediction methods that conform to the Ministry of the Environment, Conservation and Parks (MECP) and City of Ottawa requirements; (ii) noise level criteria as specified by the City of Ottawa's Environmental Noise Control Guidelines (ENCG); (iii) architectural drawings received from Glenn Piotrowski Architect Ltd; and (iv) grading plans prepared by Macintosh and Perry, (v), operational information, and equipment manufacturer's sound data provided by Sysco Tannis.

Our stationary noise feasibility assessment for the proposed development included three parking scenarios; these worst-case scenarios are not likely to ever exist based on projected operations. The assessment indicates that, with mitigation, projected sound levels following the expansion of the facility, will be lower than existing conditions and comply with the City of Ottawa's ENCG. As studied previously, the implementation of any on site physical noise control measure within the property boundary are limited given the nature of the sources. Between the Sysco facility and the nearest residences is a parcel of land owned by the City with an existing 2.5 m tall berm. The revised proposal considers raising the height of this berm by an additional 2 m.

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1. INTRODUCTION

Gradient Wind Engineering Inc. (GWE) was retained by Sysco Tannis to undertake a stationary noise assessment of the proposed redevelopment of their facilities located at 2390 Stevenage Drive in Ottawa, Ontario. The assessment has been revised to address City comments and public concern. This report summarizes the methodology, results, and recommendations related to a stationary noise assessment. GWE's scope of work involved assessing existing and proposed exterior noise levels generated by rooftop mechanical equipment, a garbage compactor, and on-site truck activity. The assessment was performed on the basis of theoretical noise calculation methods conforming to the City of Ottawa¹ and Ministry of the Environment, Conservation and Parks (MECP) NPC-300² guidelines. This study is based on architectural drawings received from Glenn Piotrowski Architect Ltd., grading plans prepared by Macintosh and Perry, operational information, and equipment manufacturer's sound data provided by Sysco Tannis., and surrounding street layouts obtained from the City of Ottawa and recent site imagery. The noise assessment considered both existing noise impacts from the facility prior to redevelopment, and future noise levels after redevelopment.

2. TERMS OF REFERENCE

The focus of this stationary noise assessment is a proposed redevelopment of an industrial facility. Sysco Tannis is a food production facility which supplies dry and refrigerated goods, typically to restaurant clientele. The site is surrounded by an industrial park to the north, east and west. To the south is open space with residential neighborhood beyond. The nearest points of reception are the nearby dwellings along Sai Crescent and Hunterswood Crescent. Figure 1 illustrates the site plan and surrounding context.

The proposed redevelopment comprises an irregular L-shape planform site which currently contains the existing low-rise Tannis building. The proposed expansion would increase the total interior area from 10,176 m² to approximately 23,033 m². The project would include the expansion of various interior areas, such as the dry warehouse and the cooler, as well as the addition of parking spaces for employee vehicles as well as trucks for dry and refrigerated goods. The operating hours of the facility are 24 hours per day, with peak shipping/receiving operations occurring during the nighttime period, between 23:00 and 07:00.

¹ City of Ottawa Environmental Noise Control Guidelines, January 2016

² Ministry of the Environment and Climate Change (MOECC), Environmental Noise Guideline – Publication NPC-300, August 2013

Sources of stationary noise include rooftop air handling equipment, a garbage compactor, and operations of trucks at the loading docks and parking area, which includes the use of refrigerated trailers (reefers). Figures 3-6 illustrate the location of all noise sources included in this study for existing and future conditions.

2.1 Assumptions

Information for the various sources of noise for existing and future operating scenarios have been based on data provided by Sysco, as well as GWE's experience with similar developments, on-site observations/measurements, including three parking scenarios; the worst-case scenario is not likely to ever exist based on projected operations. Details of the on-site measurements are provided in Section 4.3. Future operations are based on a horizon year of 2029 after the realization of growth consistent with a 10-year projection of Sysco's business plan. A review of final equipment selection and locations by a qualified acoustical engineer will be required prior to installation of the equipment. The following assumptions have been included in the analysis:

- (i) The HVAC unit on the refrigerated trailers (reefer) operates for 30 minutes over any one-hour period, therefore an intermittence factor of 3 dBA has been applied.
- (ii) 10 reefers are present during peak operation for existing conditions, and 47 reefers are present during peak operation for future conditions. In the future condition the operating reefers will be associated with 20 straight trucks and 27 trailers. This is a conservative approach, as having this many reefer units running simultaneously is not likely to frequently occur.
- (iii) 10 truck movements per hour during peak operation for existing conditions, and 15 truck movements per hour during future peak operations.
- (iv) 15 tractors operate for 10 minutes every hour, with sound data based on GWE's measurements.
- (v) The locations, quantity and tonnage of rooftop units have been assumed based on information provided by Sysco, as well as GWE's experience with similar projects.
- (vi) The locations and quantity of trailers, straight trucks and tractors have been based on information provided by Sysco.
- (iv) Sound data for rooftop units is based on manufacturer's data.
- (v) Sound data for reefer units and truck movements is based on on-site measurements and GWE's experience with similar developments (Appendix A).
- (vi) The rooftop mechanical units are assumed to operate continuously over a 1-hour period during the daytime and nighttime period.

- (vii) Screening effects of buildings has been accounted for in the modelling.
- (viii) An off-site existing earthen berm has been considered as a noise barrier, as per Figure 2, with a height of 2.5 m above local grade. In order assist with noise control from the facility, Sysco is proposing increasing the height of this berm to 5.5 m (2 m increase in height).
- (ix) A future garbage compactor is assumed to operate for 6 minutes every hour, with sound data based on GWE's experience with similar developments.
- (x) Backup beeper sounds are not considered as a Stationary noise source as per NPC-300 Part A, and therefore were not included the model.

3. OBJECTIVES

The main goals of this work are to: (i) calculate the existing and future noise levels on the surrounding dwellings produced by stationary sources and (ii) ensure that exterior noise levels do not exceed the allowable limits specified by the ENCG and NPC-300, as outlined in Section 4 of this report.

4. METHODOLOGY

The impact of the external stationary noise sources on the nearby residential areas was determined by computer modelling. Stationary noise source modelling is based on the software program *Predictor-Lima* developed from the International Standards Organization (ISO) standard 9613 Parts 1 and 2. This computer program is capable of representing three-dimensional surfaces and first reflections of sound waves over a suitable spectrum for human hearing. The methodology has been used on numerous assignments and has been accepted by the MECP as part of Environmental Compliance Approvals applications. Eight (8) receptor locations were chosen around the site, as illustrated in Figure 2.

4.1 Perception of Noise

Noise can be defined as any obtrusive sound. It is created at a source, transmitted through a medium, such as air, and intercepted by a receiver. Noise may be characterized in terms of the power of the source or the sound pressure at a specific distance. While the power of a source is characteristic of that source, the sound pressure depends on the location of the receiver and the path that the noise takes to reach the receiver. Its measurement is based on the decibel unit, dBA, which is a logarithmic ratio referenced to a standard noise level (2×10^{-5} Pascals). The 'A' suffix refers to a weighting scale, which represents the noise perceived by the human ear. With this scale, a doubling of sound power at the source results in a 3 dBA

increase in measured noise levels at the receiver and is just perceptible to most people. An increase of 10 dBA is often perceived to be twice as loud.

Stationary sources are defined in NPC-300 as: “a source of sound or combination of sources of sound that are included and normally operated within the property lines of a facility and includes the premises of a person as one stationary source, unless the dominant source of sound on those premises is construction”³.

4.2 Stationary Noise Criteria

The equivalent sound energy level, L_{eq} , provides a weighted measure of the time varying noise levels, which is well correlated with the annoyance of sound. It is defined as the continuous sound level, which has the same energy as a time varying noise level over a selected period of time. For stationary sources, the L_{eq} is commonly calculated on an hourly interval, while for roadways, the L_{eq} is calculated on the basis of a 16-hour daytime / 8-hour nighttime split.

Noise criteria taken from ENCG apply to outdoor points of reception (POR). A POR is defined under NPC-300 as “any location on a noise sensitive land use where noise from a stationary source is received”⁴. A POR can be located on an existing or zoned for future use premises of permanent or seasonal residences, hotels/motels, nursing/retirement homes, rental residences, hospitals, camp grounds, and noise sensitive buildings such as schools and places of worship. The recommended maximum noise levels for a Class 2 area in a suburban environment at a POR are outlined in Table 1 below, as per ENCG and NPC-300. Since the facility’s peak operations are during the nighttime, the nighttime noise criterion governs. This approach conservatively accounts for daytime noise levels.

TABLE 1: EXCLUSIONARY LIMITS FOR CLASS 2 AREA

Time of Day	Outdoor Points of Reception	Plane of Window
7:00 – 19:00	50	50
19:00 – 23:00	45	50
23:00 – 7:00	N/A	45

³ NPC – 300, page 16

⁴ NPC – 300, page 14

4.3 Determination of Noise Source Power Levels

A site visit was conducted on August 29, 2018 to measure noise emissions of the associated reefer units. Measurements were recorded using a Brüel & Kjær (B&K) integrating sound level meters Type 2250, equipped with a Type 4189 Class 1 microphone. The meter was mounted on a tripod with the microphone set at a height of approximately 1.5 m above grade. Measurements were conducted for the trailers as well as the straight trucks, which contain large and small reefers, respectively. At each location, the meter was set to slow response and sound recordings were conducted for a minimum of 20 minutes each. Winds were relatively calm and did not impact the noise measurements. No precipitation or weather events were observed over the measurement period. Measured sound pressure levels were converted to sound power levels based on a setback distance of 3 m and 2 m of the reefer unit for the trailer and straight truck, respectively, and the following equation:

$$Lw = Lp + |10\log(\frac{Q}{4\pi * r^2})|$$

Where:

Lw = Sound power level

Lp = Sound pressure level

Q = Directivity factor

R = Source-measurement distance

Preliminary rooftop mechanical information for the development has been based on information provided by Sysco, as well as GWE's experience with similar developments. Table 2 summarizes the sound power of each source used in the analysis. As part of the expansion Sysco is planning to update their fleet of trailers with new reefers. One of the reefers was measured on site as mentioned above. It is anticipated that straight truck reefer units will remain the same into the future.

TABLE 2: EQUIPMENT SOUND POWER LEVELS (dBA)

Description	Height Above Grade/Roof (m)	Sound Power (dBA – re: picowatt)								
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
Dry Cooler	2	-	-	-	-	89	-	-	-	89
Truck Route	1.5	77	87	94	98	99	94	88	79	103
Trailer Reefer Unit (Old)	2.7					101				101
Trailer Reefer Unit (New)	2.7	81	83	84	87	89	89	83	72	95
Straight Truck Reefer Unit	2.7	77	79	80	83	85	85	79	68	91
Tractor	2.7	63	76	85	91	91	89	86	81	96
Garbage Compactor	2.7	81	83	84	87	89	89	83	72	95

4.4 Stationary Source Noise Predictions

The impact of the stationary noise sources on the nearby residential areas was determined by computer modelling. Stationary noise source modelling is based on the software program Predictor-Lima developed from the International Standards Organization (ISO) standard 9613 Parts 1 and 2. This computer program is capable of representing three-dimensional surfaces and first reflections of sound waves over a suitable spectrum for human hearing. The methodology has been used on numerous assignments and has been accepted by the MECP as part of Environmental Compliance Approvals applications.

A total of eight (8) receptor locations were chosen around the site to measure the noise impact at points of reception (POR) during the daytime and evening period (07:00 – 23:00), as well as the nighttime period (23:00 – 07:00). POR locations included outdoor points of reception (OPOR) and the plane of windows (POW) of the nearby residential properties. Sensor locations are described in Table 3 and illustrated in Figure 2. All static sources were represented as point sources in the Predictor model, and moving sources were treated as line sources. Table 4 below contains Predictor-Lima calculation settings. These settings are typical and have been based on ISO 9613 standards and guidance from the MECP.

Ground absorption over the study area was determined based on topographical features (such as water, concrete, grassland, etc.). An absorption value of 0 is representative of hard ground, while a value of 1 represents grass, and similar soft surface conditions. Existing and proposed buildings were added to the

model to account for screening and reflection effects from building façades. Predictor-Lima sample output is available upon request.

TABLE 3: RECEPTOR LOCATIONS

Receptor Number	Location	Height Above Grade (m)
R1	POW – 78 Sai Crescent	4.5
R2	OPOR – 78 Sai Crescent	1.5
R3	POW – 94 Sai Crescent	4.5
R4	OPOR – 94 Sai Crescent	1.5
R5	POW – 118 Sai Crescent	4.5
R6	OPOR – 118 Sai Crescent	1.5
R7	POW – 33 Hunterswood Crescent	4.5
R8	OPOR – 33 Hunterswood Crescent	1.5

TABLE 4: CALCULATION SETTINGS

Parameter	Setting
Meteorological correction method	Single value for C0
Value C0	2.0
Ground attenuation factor used for open green areas	1
Ground attenuation factor for roadways and paved areas	0
Temperature (K)	283.15
Pressure (kPa)	101.33
Air humidity (%)	70

4.5 Modelling Scenarios

Several parking configurations were explored. As a plausible worst case, based on information provided by Sysco, during a peak hour there could be up to 20 straight trucks and 27 trailers with reefers operating; and 15 tractors idling 10 min for prestart checks and warm-up. Three separate scenarios were considered. In each scenario it was assumed 6 trailers with reefers were parked at the cold storage loading docks, 8 large (53 foot) trailers with reefers are parked in the east-west direction in parking spaces south of the building. The remaining 13 smaller trailers, 20 straight trucks, and 15 tractors were considered parked in the following configurations. Scenario descriptions are based on row numbering in Figure 2.

Scenario 1

Row 1 – Nothing or unused equipment

Row 2 – 20 straight trucks (backed-in)

Row 3 – 15 tractors (fronted-in)

Row 4 – 13 trailers (backed-in)

Row 5 – 8 trailers (backed-in)

Loading – 6 trailers (backed-in)

Operational wise this is Sysco's preferred option.

Scenario 2

Row 1 – 13 trailers (backed-in)

Row 2 – 20 straight trucks (backed-in)

Row 3 – 15 tractors (backed-in)

Row 4 – Nothing or unused equipment

Row 5 – 8 trailers (backed-in)

Loading – 6 trailers (backed-in)

Scenario 3

Row 1 – 20 straight trucks (fronted-in)

Row 2 – 13 trailers (backed-in)

Row 3 – 15 tractors (backed-in)

Row 4 – Nothing or unused equipment

Row 5 – 8 trailers (backed-in)

Loading – 6 trailers (backed-in)

This is the least desirable scenario as it requires a potential safety concern with the trucks backing out of the space.

5. RESULTS AND DISCUSSION

Without additional mitigation, noise levels at nearby sensitive receptors marginally exceed the ENCG criteria for stationary noise for both existing and future conditions. Results of the unmitigated existing and future conditions are presented in Table 5 which shows the worst-case sound levels at all receptors for each test scenario as described. The sound levels listed in Table 5 are based on the assumptions outlined in Section 2.1. Noise contours at 4.5 m above grade represent the plane of the 2nd storey windows are illustrated in Figures 7 to 10 for existing and future unmitigated conditions, respectively.

All future scenarios performed similarly. The main contributors of noise at the PORs are the refrigerated trailers parked in the east west orientation south of the building (referred to as siding trailers in the remainder of the report).

TABLE 5: UNMITGATED NOISE LEVELS FOR EXISTING AND FUTURE SCENARIOS 1 TO 3

Receptor Number	Receptor Location	Noise Level L_{eq} (dBA)				ENCG Criteria	
		Existing	Scenario 1	Scenario 2	Scenario 3	Day	Night
R1	POW – 78 Sai Crescent	52	44	45	43	50	45
R2	OPOR – 78 Sai Crescent	45	39	39	38	45	N/A
R3	POW – 94 Sai Crescent	51	46	46	45	50	45
R4	OPOR – 94 Sai Crescent	45	41	42	40	45	N/A
R5	POW – 118 Sai Crescent	45	53	54	54	50	45
R6	OPOR – 118 Sai Crescent	38	46	47	46	45	N/A
R7	POW – 33 Hunterswood Crescent	43	51	53	53	50	45
R8	OPOR – 33 Hunterswood Crescent	38	45	46	46	45	N/A

As indicated in Table 5 each of the various parking scenarios performed similarly. Without mitigation noise levels were found to be above the ENCG / NPC-300 sound level criteria. As studied previously the implementation of any on site physical noise control measure within the property boundary are limited given the nature of the sources. Off-site, there is an existing earth berm 2.5 m in height which is on a piece of property owned by the City of Ottawa. Sysco is proposing to increase the height of the berm by an addition 2 m (top of berm elevation 86.80 m above sea level). The extension of the berm would be

extended 20 m beyond the east and west property lines of Sysco's facility (see Appendix A). As can be seen in Table 6 below, mitigated noise levels for all three parking scenarios would comply with the ENCG / NPC-300 sound level limits with the modified berm. The resultant sound levels with the expanded berm and original scenarios are presented in Table 6 below. Noise contours of each scenario are presented in Figures 11 to 14.

As mentioned in Section 2.1 backup beepers are not considered to be part of the stationary source of noise under NPC-300 and ENCG guidelines. During the last public meeting some concerns with beepers were raised by the public. Gradient wind investigated a separate scenario the impact of back up beepers, however there was no significant change in L_{eq} based on there inclusion.

TABLE 6: MITGATED NOISE LEVELS FOR VARIOUS OPTIONS.

Receptor Number	Receptor Location	Noise Level L_{eq} (dBA)			ENCG Criteria	
		Scenario 1	Scenario 2	Scenario 3	Day	Night
R1	POW – 78 Sai Crescent	37	37	37	50	45
R2	OPOR – 78 Sai Crescent	37	37	37	45	N/A
R3	POW – 94 Sai Crescent	40	41	40	50	45
R4	OPOR – 94 Sai Crescent	38	39	38	45	N/A
R5	POW – 118 Sai Crescent	45	45	45	50	45
R6	OPOR – 118 Sai Crescent	42	42	42	45	N/A
R7	POW – 33 Hunterswood Crescent	44	45	45	50	45
R8	OPOR – 33 Hunterswood Crescent	41	42	42	45	N/A

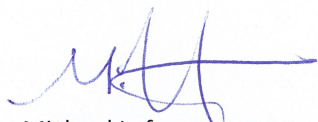
6. CONCLUSIONS AND RECOMMENDATIONS

The assessment indicates that, with mitigation, projected sound levels following the expansion of the facility, will be lower than existing conditions and comply with the City of Ottawa's ENCG. As studied previously, the implementation of any on site physical noise control measure within the property boundary are limited given the nature of the sources. Between the Sysco facility and the nearest residences is a parcel of land owned by the City with an existing 2.5 m tall berm. The revised proposal considers raising the height of this berm by an additional 2 m. Proposed top of berm elevation 86.80 m above sea level.

This concludes our assessment and report. If you have any questions or wish to discuss our findings, please advise us. In the interim, we thank you for the opportunity to be of service.

Yours truly,

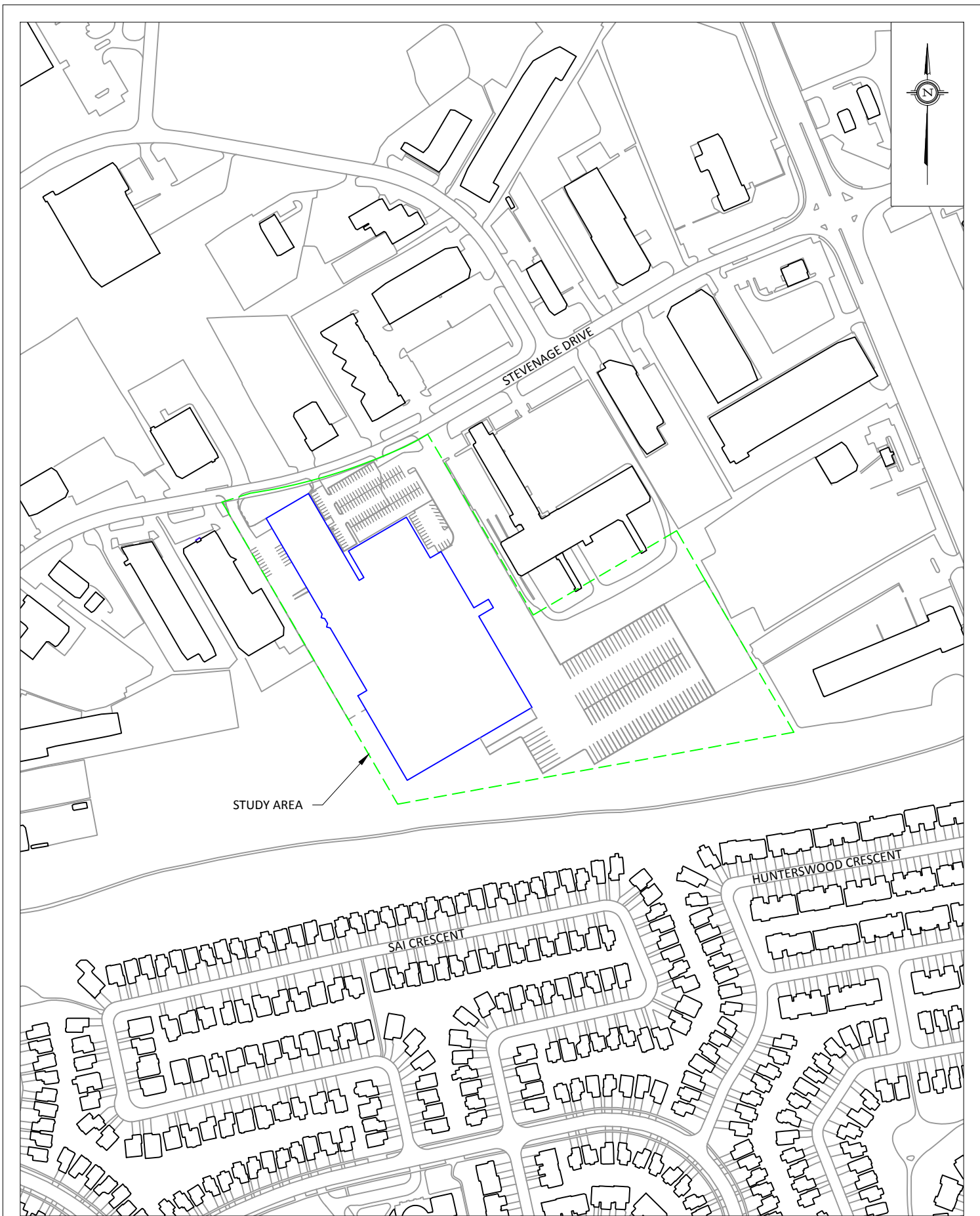
Gradient Wind Engineering Inc.

A handwritten signature in blue ink, appearing to read 'M. Lafortune'.

Michael Lafortune, C.E.T.
Environmental Scientist
GWE18-121 – Stationary Noise R3



Joshua Foster, P.Eng.
Principal



 127 Walgreen Road Ottawa, Ontario (613) 836 0934 GRADIENT WIND ENGINEERING INC	PROJECT 2390 STEVENAGE DRIVE - STATIONARY NOISE ASSESSMENT		DESCRIPTION FIGURE 1: SITE PLAN AND SURROUNDING CONTEXT
	SCALE 1:4000 (APPROX.)	DRAWING NO. GWE18-121-1	
	DATE DECEMBER 14, 2018	DRAWN BY M.L.	



 GRADIENTWIND ENGINEERING INC	127 Walgreen Road Ottawa, Ontario (613) 836 0934		PROJECT	2390 STEVENAGE DRIVE - STATIONARY NOISE ASSESSMENT		DESCRIPTION
	SCALE	1:4000 (APPROX.)	DRAWING NO.	GWE18-121-2		
	DATE	DECEMBER 14, 2018	DRAWN BY	M.L.		
	FIGURE 2: RECEPTOR LOCATIONS					

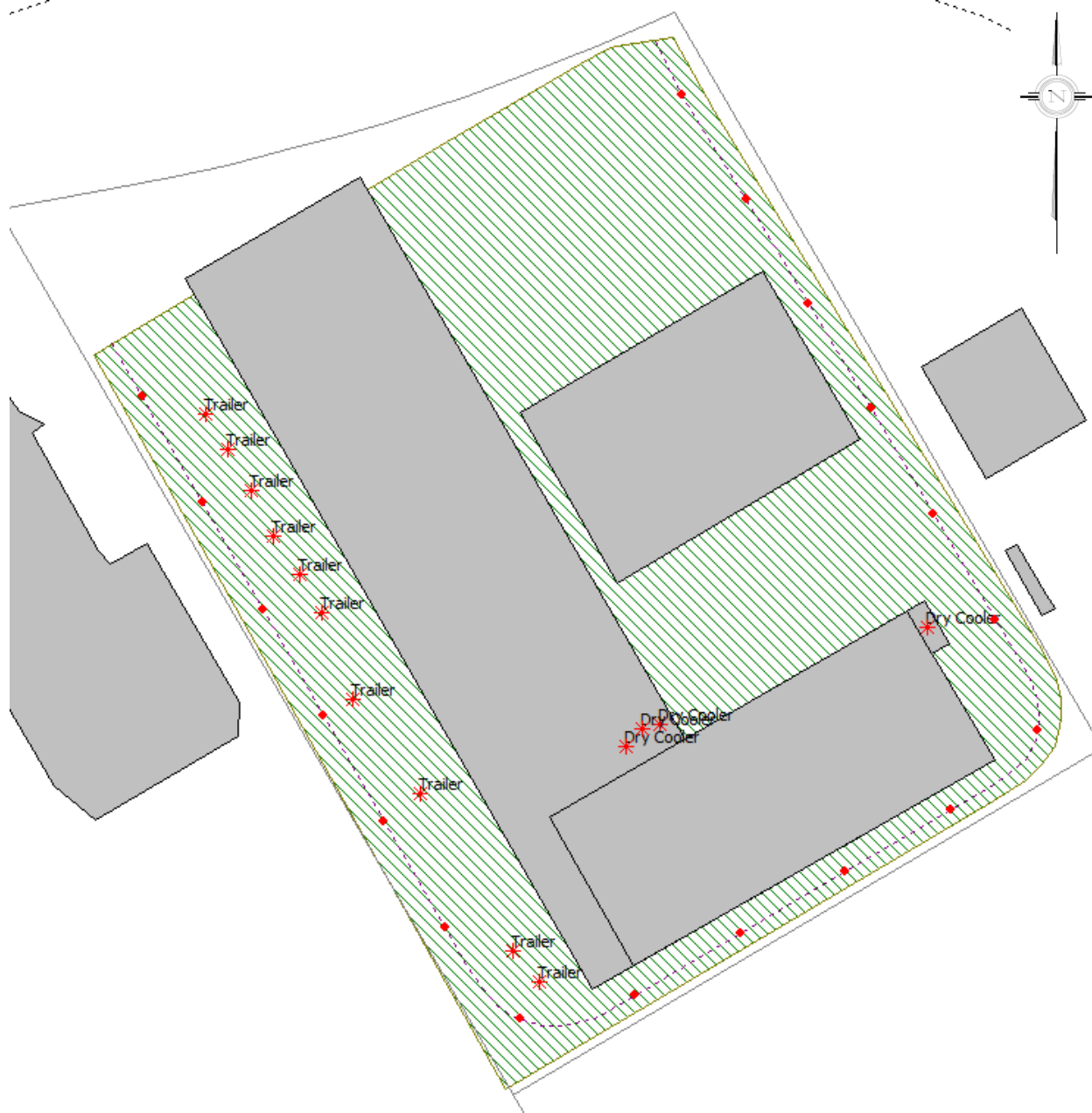
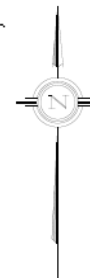


FIGURE 3: EXISTING CONDITIONS SOURCE LOCATIONS

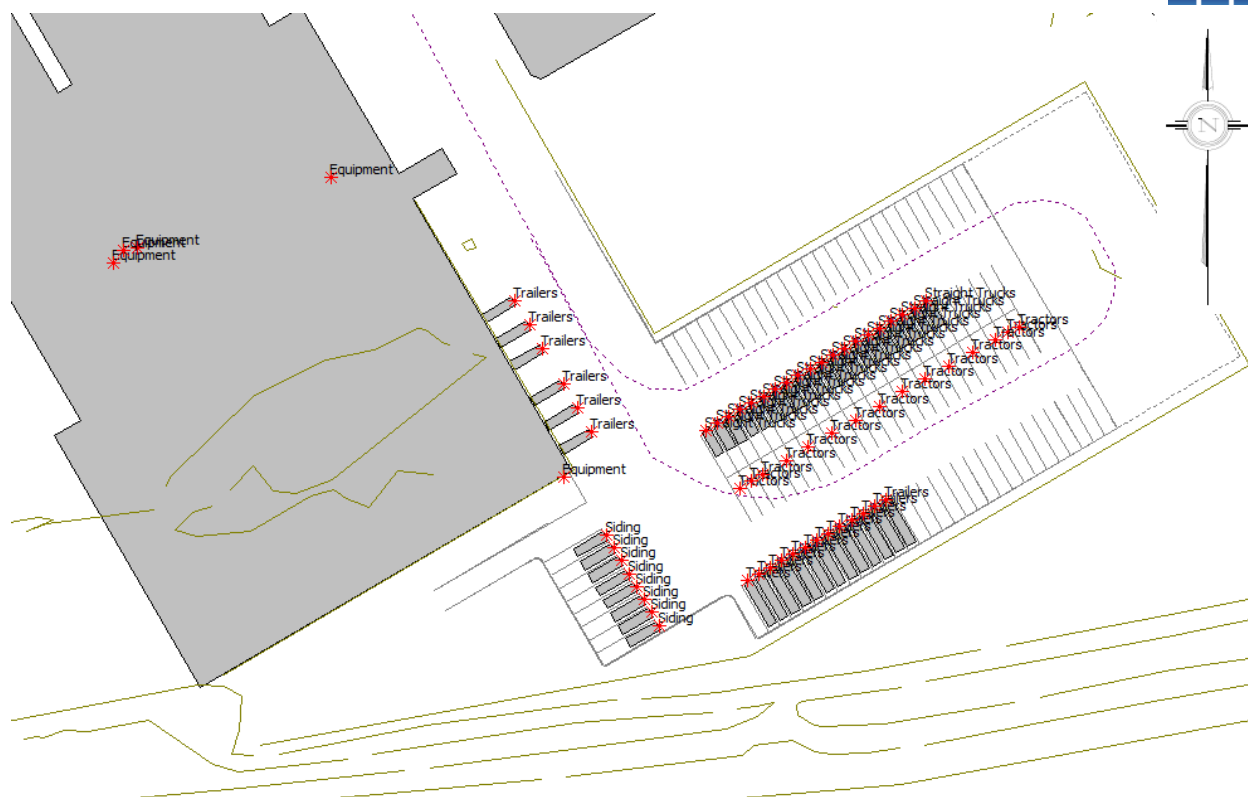


FIGURE 4: FUTURE CONDITIONS SOURCE LOCATIONS (SCENARIO 1)

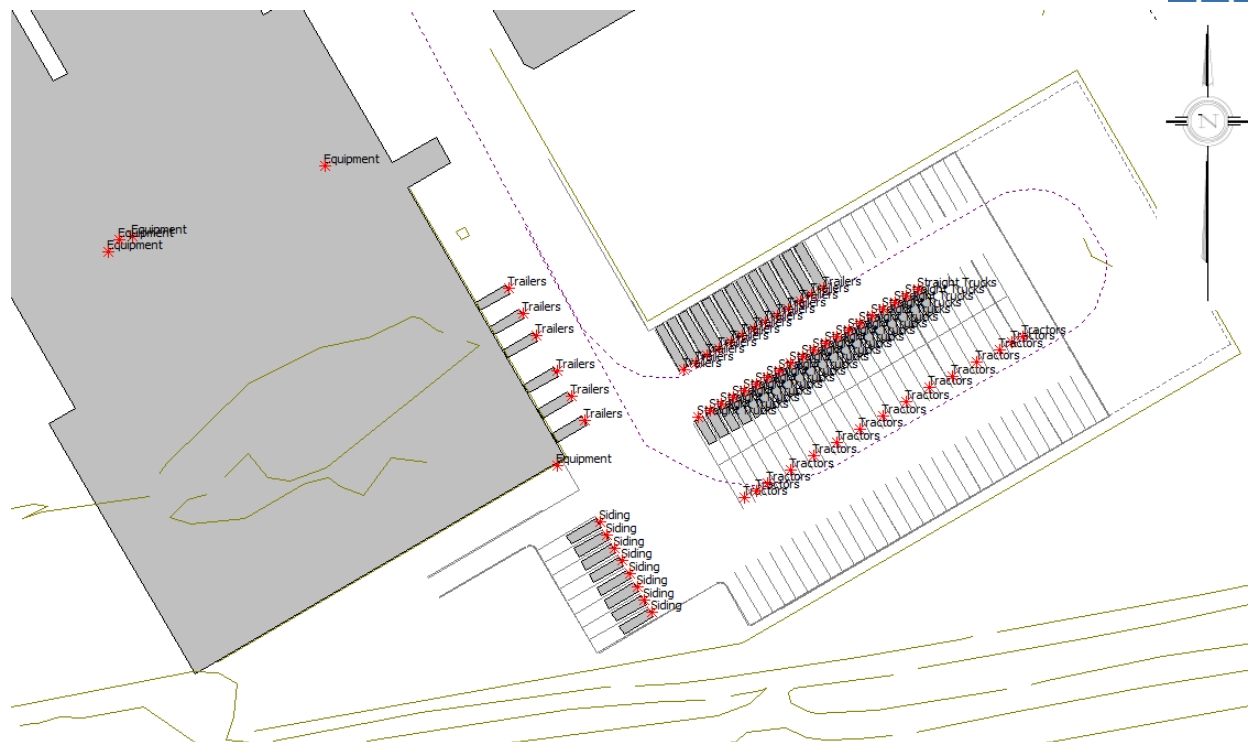


FIGURE 5: FUTURE CONDITIONS SOURCE LOCATIONS (SCENARIO 2)

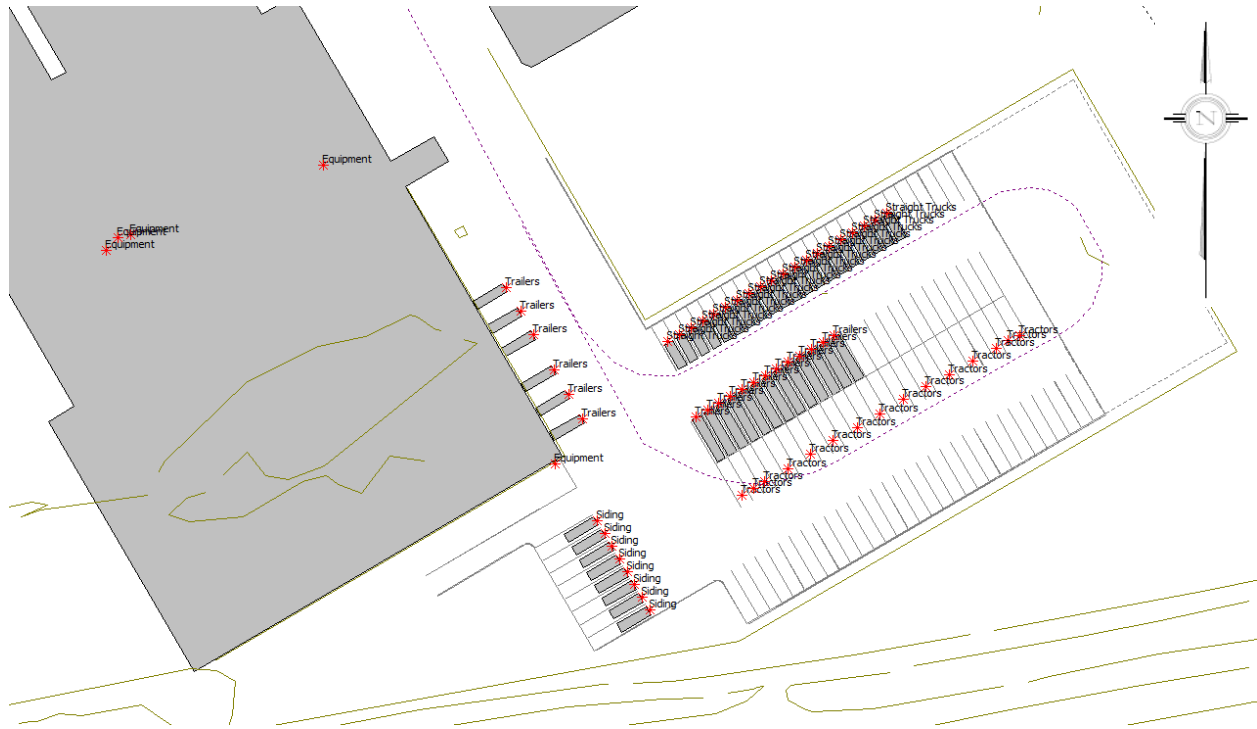


FIGURE 6: FUTURE CONDITIONS SOURCE LOCATIONS (SCENARIO 3)

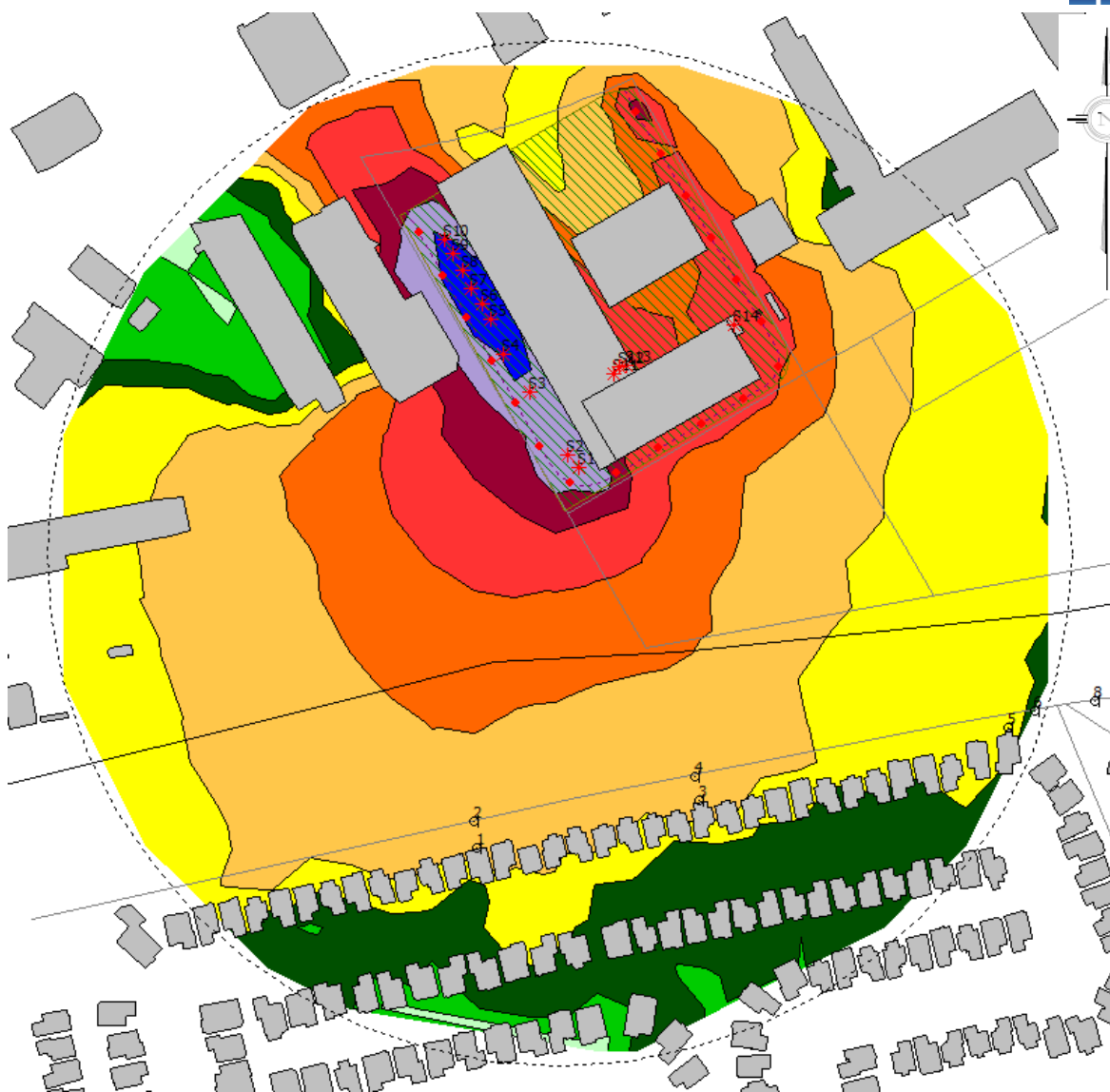
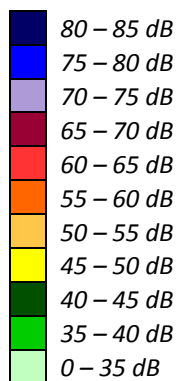
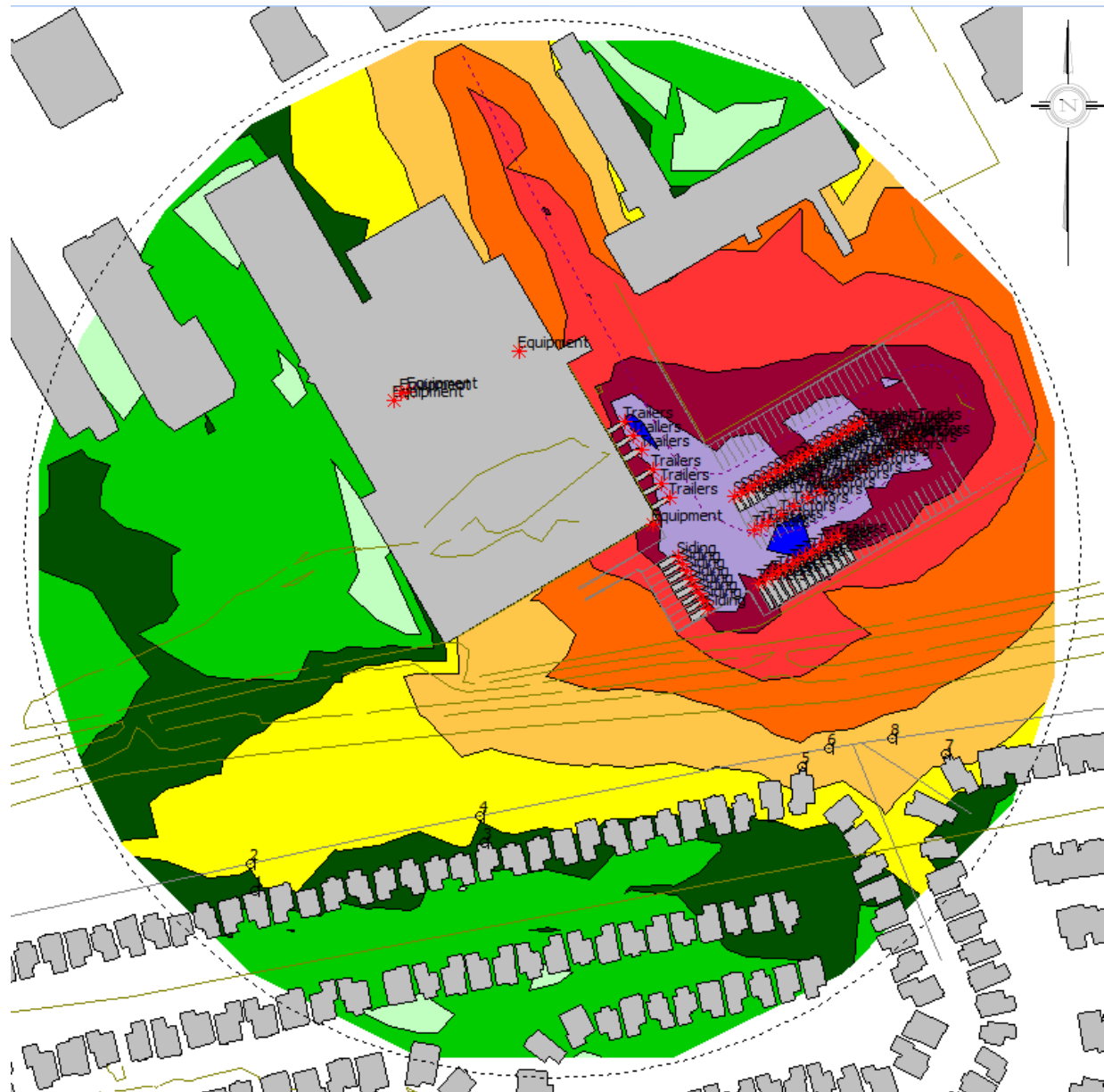
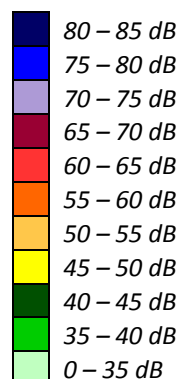


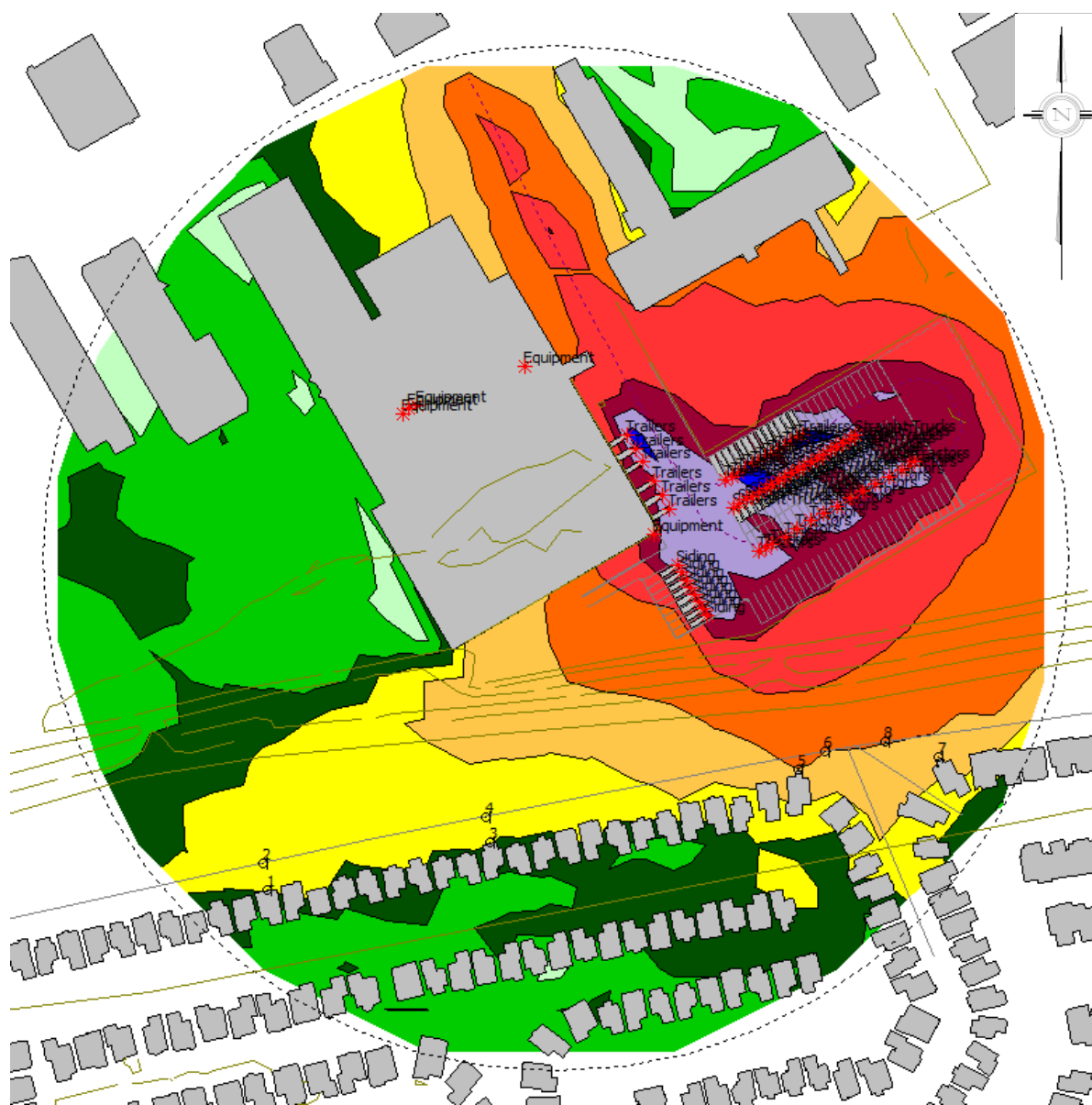
FIGURE 7: EXISTING STATIONARY NOISE CONTOURS (4.5 METERS ABOVE GRADE)



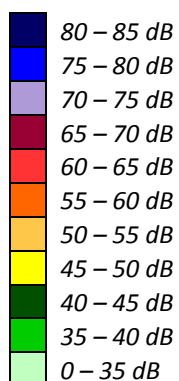


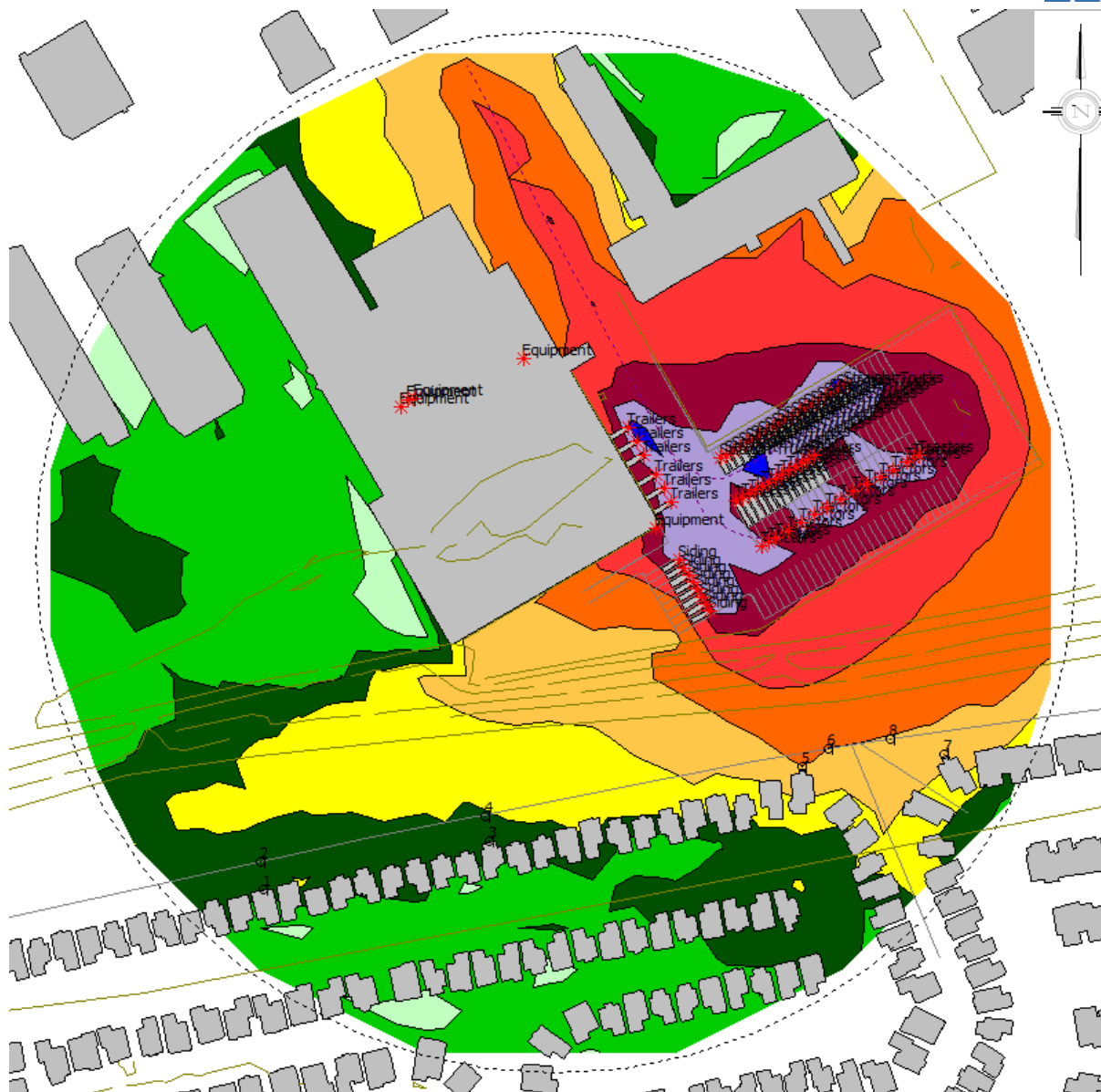
**FIGURE 8: FUTURE STATIONARY NOISE CONTOURS – UNMITIGATED SCENARIO 1
(4.5 METERS ABOVE GRADE)**



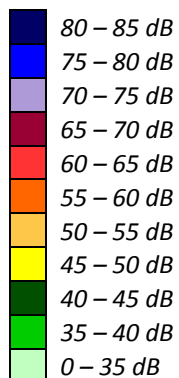


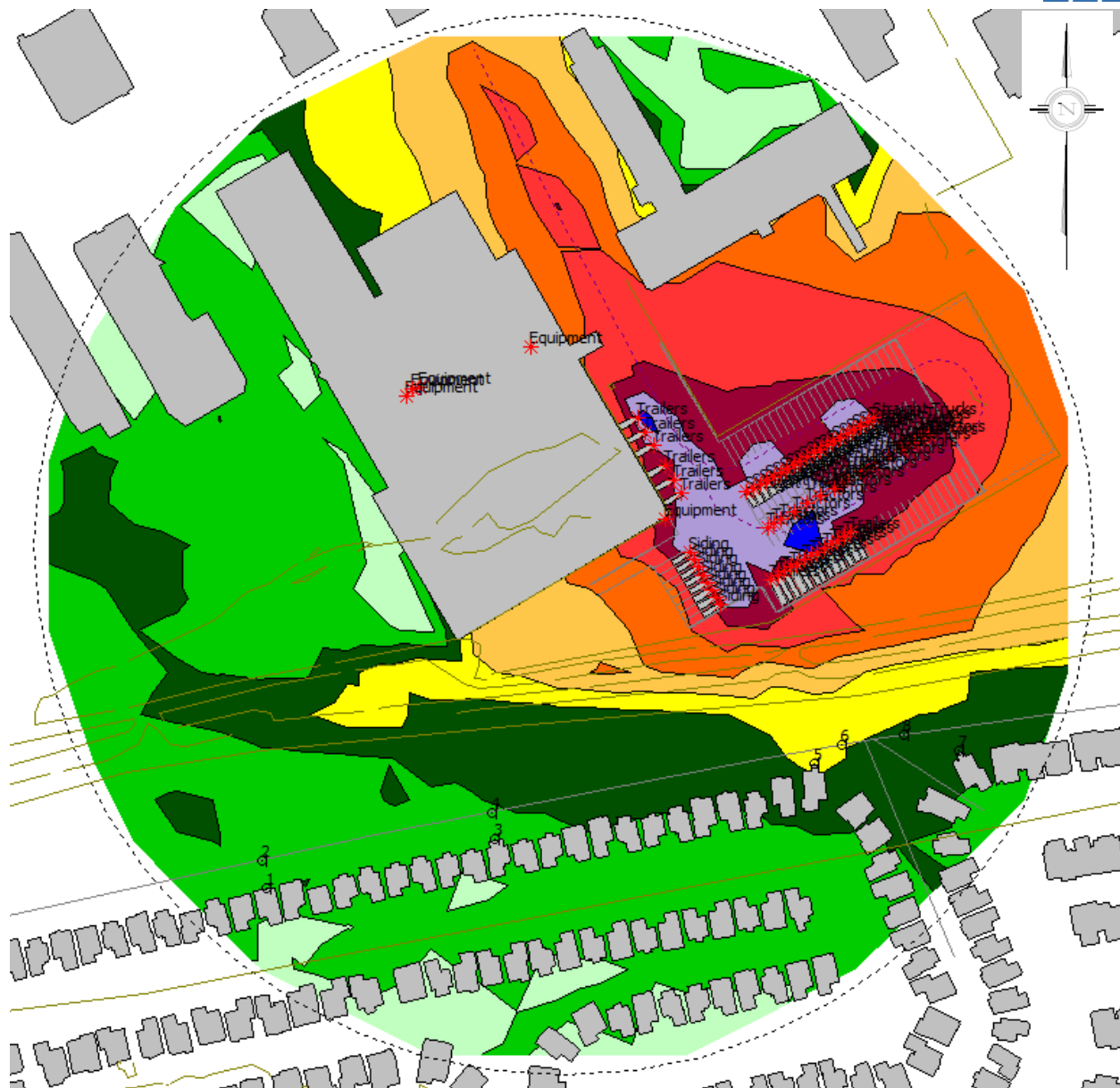
**FIGURE 9: FUTURE STATIONARY NOISE CONTOURS – UNMITIGATED SCENARIO 2
(4.5 METERS ABOVE GRADE)**



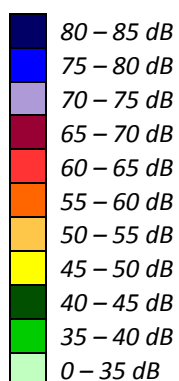


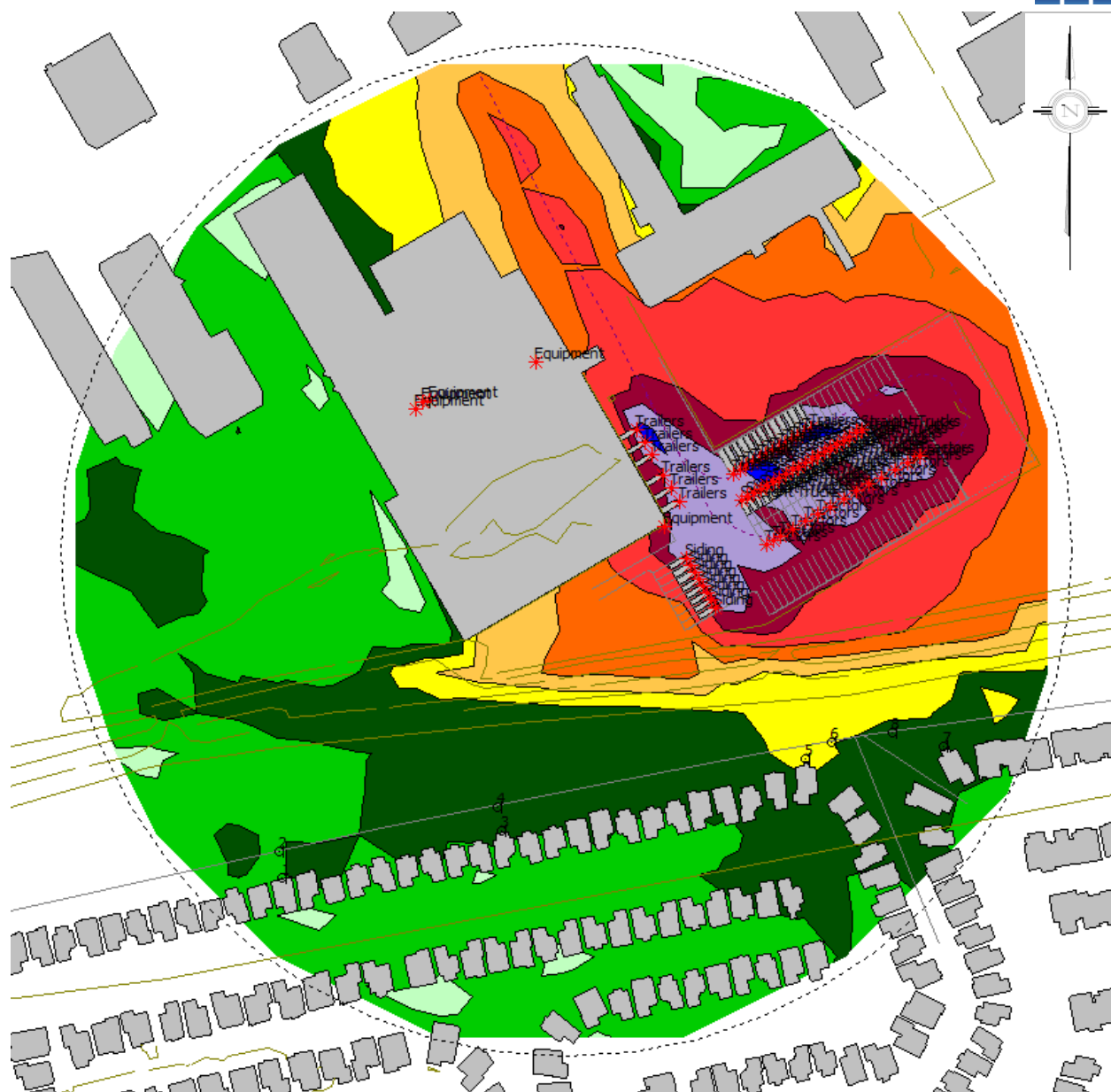
**FIGURE 10: FUTURE STATIONARY NOISE CONTOURS – UNMITIGATED SCENARIO 3
(4.5 METERS ABOVE GRADE)**



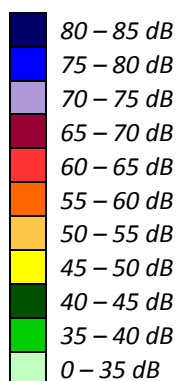


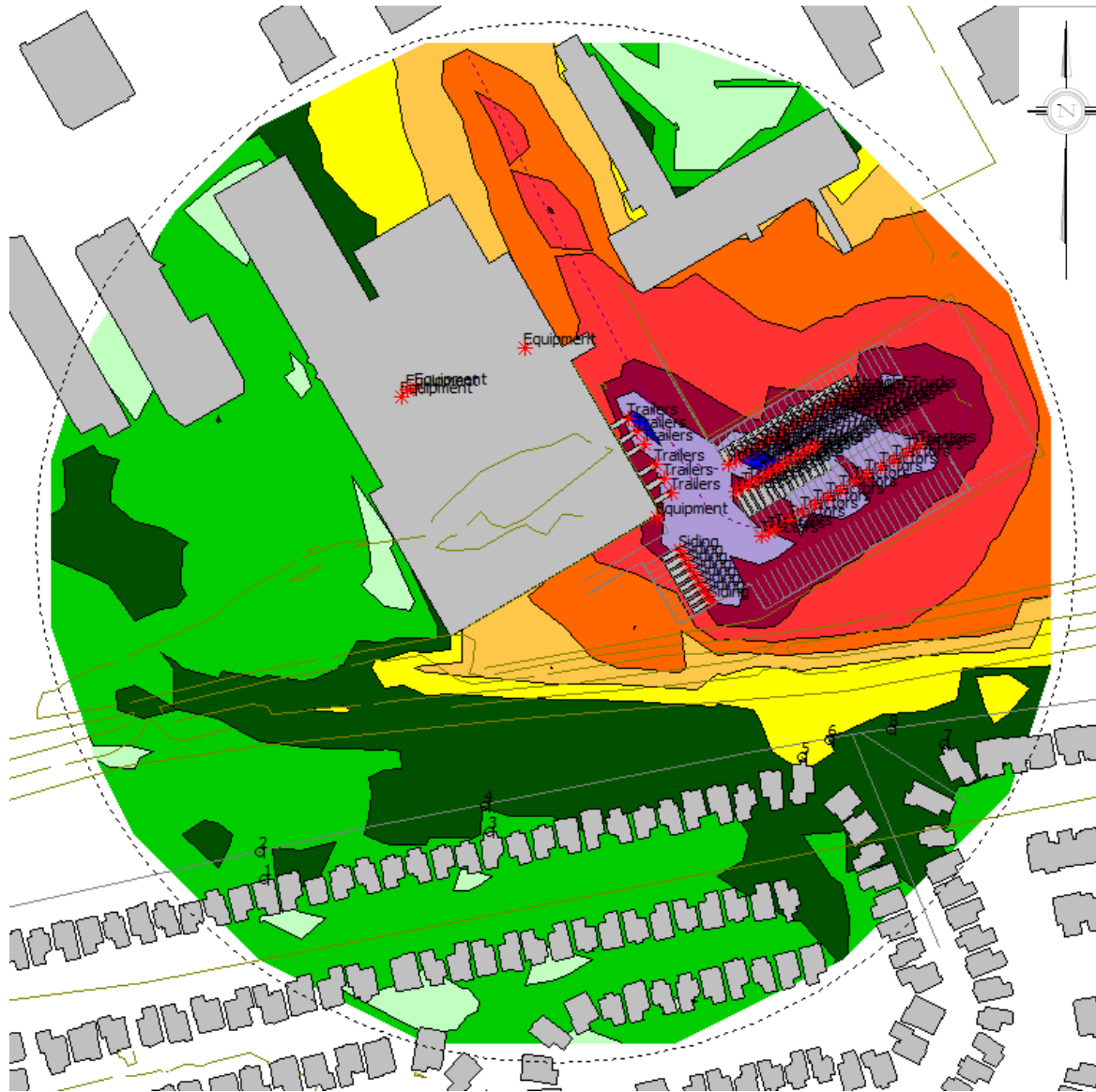
**FIGURE 11: FUTURE STATIONARY NOISE CONTOURS –MITIGATED SCINARIO 1
(4.5 METERS ABOVE GRADE)**



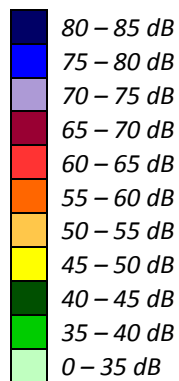


**FIGURE 12: FUTURE STATIONARY NOISE CONTOURS –MITIGATED SCINARIO 2
(4.5 METERS ABOVE GRADE)**





**FIGURE 13: FUTURE STATIONARY NOISE CONTOURS –MITIGATED SCINARIO 3
(4.5 METERS ABOVE GRADE)**

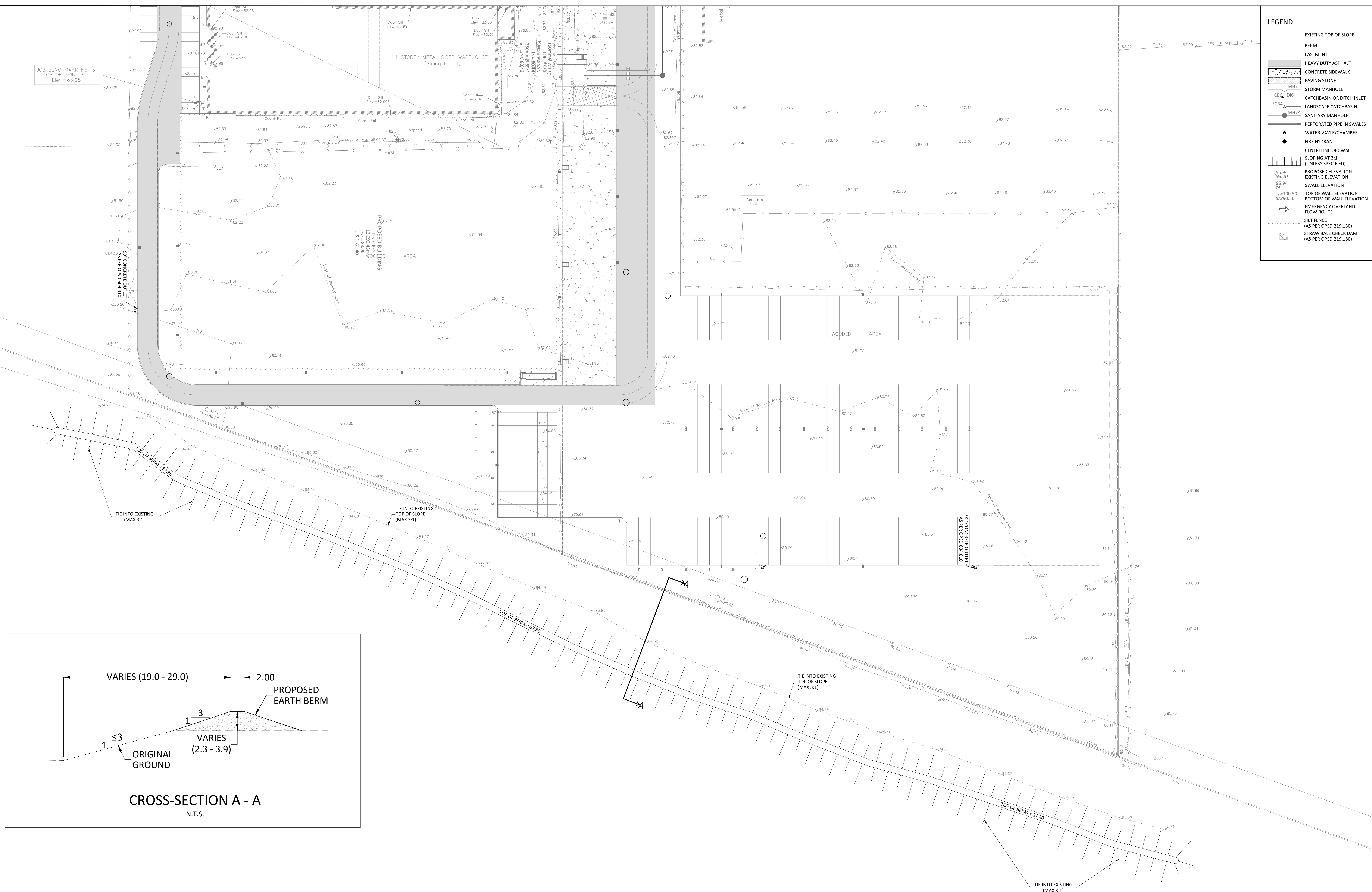


APPENDIX A

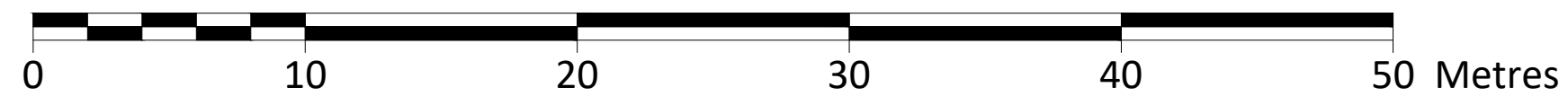
RAW MEASUREMENT DATA

TABLE A1: MEASURED SOUND PRESSURE LEVELS

Trailer at 3 m		Straight Truck at 2 m	
Frequency	LZeq [dB]	Frequency	LZeq [dB]
31.5 Hz	60.56	31.5 Hz	68.56
40 Hz	71.06	40 Hz	65.93
50 Hz	70.35	50 Hz	66.07
63 Hz	81.25	63 Hz	81.21
80 Hz	91.92	80 Hz	81.86
100 Hz	65.91	100 Hz	66.67
125 Hz	79.57	125 Hz	78.35
160 Hz	83.56	160 Hz	73.89
200 Hz	73.97	200 Hz	76.54
250 Hz	74.96	250 Hz	75.96
315 Hz	67.29	315 Hz	75.88
400 Hz	71.65	400 Hz	71.59
500 Hz	70.4	500 Hz	66.11
630 Hz	68.88	630 Hz	67.73
800 Hz	71.02	800 Hz	67.69
1 kHz	68.55	1 kHz	64.82
1.25 kHz	69.49	1.25 kHz	63.92
1.6 kHz	69.88	1.6 kHz	63.51
2 kHz	69.3	2 kHz	62.23
2.5 kHz	66.08	2.5 kHz	60.06
3.15 kHz	65.1	3.15 kHz	58.1
4 kHz	60.95	4 kHz	56.67
5 kHz	58.95	5 kHz	55.01
6.3 kHz	56.08	6.3 kHz	53.19
8 kHz	53.96	8 kHz	49.92
A	80.21	A	77.05
C	92.76	C	87.26



SCALE 1 : 500



APPENDIX B

SAMPLE CALCULATION INPUT/OUTPUT

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Testfile openend: ##### 2:05:05 PM

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Cross section for receiver 7 (Id=-10753 and source S6 (Id=550)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster	
Receiver	7	0	375028.7	5026803	82	4.5	0		
Heightline	Tri	3558.1	20.697	375013.6	5026817	82	0	0	
Heightline	Tri	3681.2	20.697	375013.6	5026817	82	0	0	
Heightline	Tri	3558.2	53.73	374989.3	5026840	82	0	0	
Heightline	Tri	3634.2	53.73	374989.3	5026840	82	0	0	
Heightline	Tri	3507.1	53.995	374989.2	5026840	82.06	0	0	
Heightline	Tri	3634.1	53.995	374989.2	5026840	82.06	0	0	
Heightline	Tri	3490.3	63.103	374982.5	5026846	84	0	0	
Heightline	Tri	3507.3	63.103	374982.5	5026846	84	0	0	
Heightline	Tri	3420.3	66.161	374980.2	5026848	84	0	0	
Heightline	Tri	3490.1	66.161	374980.2	5026848	84	0	0	
Heightline	Tri	3420.1	67.459	374979.3	5026849	84	0	0	
Heightline	Tri	3622.2	67.459	374979.3	5026849	84	0	0	
Barrier	Id=1202	72.299	374975.7	5026852	0	84.5	0	533	
Heightline	Tri	3622.1	74.71	374974	5026854	84	0	0	
Heightline	Tri	3684.3	74.71	374974	5026854	84	0	0	
Heightline	Tri	3397.2	81.055	374969.3	5026858	82.35	0	0	
Heightline	Tri	3684.1	81.055	374969.3	5026858	82.35	0	0	
Heightline	Tri	3230.3	82.307	374968.4	5026859	82	0	0	
Heightline	Tri	3397.3	82.307	374968.4	5026859	82	0	0	
Barrier	Id=1258	95.144	374959	5026868	82	0	0	535	
Ground	LWPOLYLI	101.564	374954.3	5026872	0	0	0		
Heightline	Tri	3196.1	137.878	374927.7	5026897	82	0	0	
Heightline	Tri	3230.2	137.878	374927.7	5026897	82	0	0	
Heightline	Tri	3052.3	164.165	374908.4	5026915	82	0	0	
Heightline	Tri	3196.2	164.165	374908.4	5026915	82	0	0	
Heightline	Tri	3033.1	168.433	374905.3	5026918	82	0	0	
Heightline	Tri	3052.2	168.433	374905.3	5026918	82	0	0	
Heightline	Tri	3033.2	168.937	374904.9	5026918	82	0	0	
Heightline	Tri	3051.3	168.937	374904.9	5026918	82	0	0	
Heightline	Tri	2992.2	169.854	374904.2	5026919	82	0	0	
Heightline	Tri	3051.2	169.854	374904.2	5026919	82	0	0	
Pointsources	S6	178.067	374898.2	5026924	82	2.7	0		

L(wr)	--	81	83	84	87	89	89	83	72
A(ground)	-3	-3	-3	-3	-3	-3	-3	-3	-3
A(barrier)	0	0	0	0	0	0	0	0	0
A(veg)	0	0	0	0	0	0	0	0	0
A(sit)	0	0	0	0	0	0	0	0	0
A(bld)	0	0	0	0	0	0	0	0	0
A(air)	0.01	0.02	0.07	0.19	0.34	0.65	1.72	5.84	20.81
A(geo)	56	56	56	56	56	56	56	56	56
C(meteo)	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19

L(p)	--	26.78	28.73	29.62	32.46	34.15	33.08	22.97	-3.01 39.41

Cross section for receiver 7 (Id=-10753 and source S6 (Id=550)

[Reflection in facade POLYLINE (Id=16)]

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	7	0	375028.7	5026803	82	4.5	0	
Heightline	Tri	3640.2	11.767	375037.9	5026811	82	0	0
Heightline	Tri	3681.1	11.767	375037.9	5026811	82	0	0
Heightline	Tri	3640.3	41.039	375060.6	5026829	82	0	0
Heightline	Tri	4065.3	41.039	375060.6	5026829	82	0	0
Heightline	Tri	3858.2	41.188	375060.7	5026829	82	0	0

Heightline	Tri	4065.2	41.188	375060.7	5026829	82	0	0
Heightline	Tri	3858.3	69.68	375082.9	5026847	82	0	0
Heightline	Tri	3940.3	69.68	375082.9	5026847	82	0	0
Heightline	Tri	3940.1	76.609	375088.3	5026851	82	0	0
Heightline	Tri	4121.2	76.609	375088.3	5026851	82	0	0
Heightline	Tri	3982.2	88.848	375097.8	5026859	82	0	0
Heightline	Tri	4121.1	88.848	375097.8	5026859	82	0	0
Heightline	Tri	3755.2	99.91	375106.4	5026866	83.6	0	0
Heightline	Tri	3982.1	99.91	375106.4	5026866	83.6	0	0
Heightline	Tri	3585.1	102.79	375108.6	5026868	84	0	0
Heightline	Tri	3755.1	102.79	375108.6	5026868	84	0	0
Heightline	Tri	3529.3	103.978	375109.6	5026869	84	0	0
Heightline	Tri	3585.3	103.978	375109.6	5026869	84	0	0
Heightline	Tri	2972.2	104.188	375109.7	5026869	84	0	0
Heightline	Tri	3529.2	104.188	375109.7	5026869	84	0	0
Heightline	Tri	2972.1	108.343	375112.9	5026871	84	0	0
Heightline	Tri	3995.3	108.343	375112.9	5026871	84	0	0
Heightline	Tri	3890.1	115.168	375118.3	5026876	84	0	0
Heightline	Tri	3995.2	115.168	375118.3	5026876	84	0	0
Barrier	Id=1202	116.92	375119.6	5026877	0	84.5	0	533
Heightline	Tri	3890.2	129.714	375129.6	5026885	84	0	0
Heightline	Tri	4045.2	129.714	375129.6	5026885	84	0	0
Heightline	Tri	4045.3	134.505	375133.3	5026888	83.27	0	0
Heightline	Tri	4145.2	134.505	375133.3	5026888	83.27	0	0
Heightline	Tri	3983.2	140.955	375138.3	5026892	82	0	0
Heightline	Tri	4145.1	140.955	375138.3	5026892	82	0	0
Heightline	Tri	3983.3	156.788	375150.6	5026902	82	0	0
Heightline	Tri	4163.2	156.788	375150.6	5026902	82	0	0
Heightline	Tri	4163.1	216.085	375196.7	5026939	82	0	0
Heightline	Tri	4511.2	216.085	375196.7	5026939	82	0	0
Heightline	Tri	4317.3	218.013	375198.2	5026940	82	0	0
Heightline	Tri	4511.1	218.013	375198.2	5026940	82	0	0
Heightline	Tri	4317.1	242.131	375216.9	5026956	82	0	0
Heightline	Tri	4576.1	242.131	375216.9	5026956	82	0	0
Building(R)	POLYLINE	249.605	375222.7	5026960	82	7.25	0	
Building	POLYLINE	255.338	375217	5026960	82	7.25	0	15
Heightline	Tri	4317.1	256.218	375216.2	5026960	82	0	0
Heightline	Tri	4576.1	256.218	375216.2	5026960	82	0	0
Heightline	Tri	4317.3	316.065	375156.7	5026953	82	0	0
Heightline	Tri	4511.1	316.065	375156.7	5026953	82	0	0
Heightline	Tri	4163.1	318.647	375154.1	5026953	82	0	0
Heightline	Tri	4511.2	318.647	375154.1	5026953	82	0	0
Building	POLYLINE	339.375	375133.5	5026950	82	7.25	0	15
Heightline	Tri	3983.3	365.939	375107.1	5026947	82	0	0
Heightline	Tri	4163.2	365.939	375107.1	5026947	82	0	0
Heightline	Tri	3869.2	383.622	375089.5	5026946	82	0	0
Heightline	Tri	3983.1	383.622	375089.5	5026946	82	0	0
Heightline	Tri	3869.1	386.158	375087	5026945	82	0	0
Heightline	Tri	3960.3	386.158	375087	5026945	82	0	0
Heightline	Tri	3847.2	388.307	375084.9	5026945	82	0	0
Heightline	Tri	3960.1	388.307	375084.9	5026945	82	0	0
Barrier	Id=1258	398.735	375074.5	5026944	82	0	0	535
Ground	LWPOLYLINE	398.813	375074.4	5026944	0	0	0	
Heightline	Tri	3847.1	399.564	375073.7	5026944	82	0	0
Heightline	Tri	3918.3	399.564	375073.7	5026944	82	0	0
Heightline	Tri	3836.1	403.298	375070	5026943	82	0	0
Heightline	Tri	3918.1	403.298	375070	5026943	82	0	0
Heightline	Tri	3808.2	409.101	375064.2	5026943	82	0	0
Heightline	Tri	3836.2	409.101	375064.2	5026943	82	0	0
Heightline	Tri	3808.1	424.756	375048.7	5026941	82	0	0
Heightline	Tri	4796.2	424.756	375048.7	5026941	82	0	0
Heightline	Tri	3737.1	440.166	375033.3	5026939	82	0	0
Heightline	Tri	4796.1	440.166	375033.3	5026939	82	0	0
Heightline	Tri	3598.3	444.977	375028.6	5026939	82	0	0
Heightline	Tri	3737.3	444.977	375028.6	5026939	82	0	0
Heightline	Tri	3579.1	477.317	374996.4	5026935	82	0	0
Heightline	Tri	3598.2	477.317	374996.4	5026935	82	0	0

Heightline	Tri	3567.2	484.015	374989.8	5026935	82	0	0
Heightline	Tri	3579.3	484.015	374989.8	5026935	82	0	0
Heightline	Tri	3479.3	486.161	374987.6	5026934	82	0	0
Heightline	Tri	3567.3	486.161	374987.6	5026934	82	0	0
Heightline	Tri	3479.2	498.31	374975.5	5026933	82	0	0
Heightline	Tri	3534.2	498.31	374975.5	5026933	82	0	0
Heightline	Tri	3495.3	499.494	374974.4	5026933	82	0	0
Heightline	Tri	3534.3	499.494	374974.4	5026933	82	0	0
Building	LWPOLYLIN	509.328	374964.6	5026932	82	4.3	0	549
Building	LWPOLYLIN	512.161	374961.8	5026931	82	4.3	0	549
Heightline	Tri	3484.2	517.782	374956.2	5026931	82	0	0
Heightline	Tri	3495.2	517.782	374956.2	5026931	82	0	0
Heightline	Tri	3309.3	522.566	374951.4	5026930	82	0	0
Heightline	Tri	3484.3	522.566	374951.4	5026930	82	0	0
Heightline	Tri	3221.1	542.886	374931.2	5026928	82	0	0
Heightline	Tri	3309.2	542.886	374931.2	5026928	82	0	0
Heightline	Tri	3137.2	551.315	374922.9	5026927	82	0	0
Heightline	Tri	3221.2	551.315	374922.9	5026927	82	0	0
Heightline	Tri	3125.3	553.979	374920.2	5026927	82	0	0
Heightline	Tri	3137.1	553.979	374920.2	5026927	82	0	0
Heightline	Tri	3096.3	557.634	374916.6	5026926	82	0	0
Heightline	Tri	3125.2	557.634	374916.6	5026926	82	0	0
Heightline	Tri	3049.3	558.766	374915.5	5026926	82	0	0
Heightline	Tri	3096.1	558.766	374915.5	5026926	82	0	0
Heightline	Tri	3049.1	561.903	374912.3	5026926	82	0	0
Heightline	Tri	3059.3	561.903	374912.3	5026926	82	0	0
Heightline	Tri	3056.1	566.61	374907.7	5026925	82	0	0
Heightline	Tri	3059.2	566.61	374907.7	5026925	82	0	0
Heightline	Tri	3045.2	567.494	374906.8	5026925	82	0	0
Heightline	Tri	3056.3	567.494	374906.8	5026925	82	0	0
Heightline	Tri	2992.1	574.203	374900.1	5026925	82	0	0
Heightline	Tri	3045.3	574.203	374900.1	5026925	82	0	0
Pointsources	S6	576.127	374898.2	5026924	82	2.7	0	

L(wr)	--	81	83	84	87	89	89	83	72
A(ground)	-4.88	-4.88	-4.88	-4.88	-4.88	-4.88	-4.88	-4.88	-4.88
A(barrier)	9.65	9.66	9.67	9.69	9.73	9.8	9.95	10.24	10.76
A(veg)	0	0	0	0	0	0	0	0	0
A(sit)	0	0	0	0	0	0	0	0	0
A(bld)	0	0	0	0	0	0	0	0	0
A(air)	0.02	0.07	0.24	0.6	1.11	2.11	5.57	18.88	67.34
A(geo)	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
A(refl)	--	--	--	--	--	--	--	--	--
C(meteo)	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19

L(p) -- -- -- -- -- -- -- -- -- -- | -200

Cross section for receiver 7 (Id=-10753 and source S6 (Id=550)
[Reflection in facade POLYLINE (Id=29)]

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	7	0	375028.7	5026803	82	4.5	0	
Heightline	Tri	3558.1	25.443	375014.2	5026824	82	0	0
Heightline	Tri	3681.2	25.443	375014.2	5026824	82	0	0
Heightline	Tri	3558.2	47.479	375001.6	5026842	82	0	0
Heightline	Tri	3634.2	47.479	375001.6	5026842	82	0	0
Heightline	Tri	3507.1	50.832	374999.7	5026845	82.93	0	0
Heightline	Tri	3634.1	50.832	374999.7	5026845	82.93	0	0
Heightline	Tri	3490.3	55.254	374997.2	5026849	84	0	0
Heightline	Tri	3507.3	55.254	374997.2	5026849	84	0	0
Barrier	Id=1202	62.651	374993	5026855	0	84.5	0	533
Heightline	Tri	2955.2	64.522	374991.9	5026856	84	0	0
Heightline	Tri	3490.2	64.522	374991.9	5026856	84	0	0
Heightline	Tri	2955.3	65.933	374991.1	5026857	84	0	0

Heightline	Tri	3852.3	65.933	374991.1	5026857	84	0	0
Heightline	Tri	3580.3	66.505	374990.8	5026858	83.82	0	0
Heightline	Tri	3852.1	66.505	374990.8	5026858	83.82	0	0
Heightline	Tri	3542.2	66.929	374990.6	5026858	83.68	0	0
Heightline	Tri	3580.1	66.929	374990.6	5026858	83.68	0	0
Heightline	Tri	3484.1	72.186	374987.6	5026863	82	0	0
Heightline	Tri	3542.3	72.186	374987.6	5026863	82	0	0
Barrier	Id=1258	83.652	374981	5026872	82	0	0	535
Ground	LWPOLYLIN	97.462	374973.1	5026883	0	0	0	
Building	LWPOLYLIN	112.367	374964.6	5026896	82	4.3	0	539
Building	LWPOLYLIN	114.512	374963.4	5026897	82	4.3	0	539
Heightline	Tri	3309.3	121.223	374959.6	5026903	82	0	0
Heightline	Tri	3484.3	121.223	374959.6	5026903	82	0	0
Heightline	Tri	3309.1	162.596	374936	5026937	82	0	0
Heightline	Tri	3311.2	162.596	374936	5026937	82	0	0
Heightline	Tri	3217.1	163.404	374935.5	5026937	82	0	0
Heightline	Tri	3311.1	163.404	374935.5	5026937	82	0	0
Heightline	Tri	3217.2	164.797	374934.7	5026939	82	0	0
Heightline	Tri	3264.2	164.797	374934.7	5026939	82	0	0
Heightline	Tri	3238.2	166.586	374933.7	5026940	82	0	0
Heightline	Tri	3264.1	166.586	374933.7	5026940	82	0	0
Heightline	Tri	3087.1	174.944	374928.9	5026947	82	0	0
Heightline	Tri	3238.3	174.944	374928.9	5026947	82	0	0
Heightline	Tri	3081.1	176.608	374928	5026948	82	0	0
Heightline	Tri	3087.2	176.608	374928	5026948	82	0	0
Ground	LWPOLYLIN	184.767	374923.3	5026955	0	0	0	
Heightline	Tri	2872.3	189.08	374920.9	5026959	82	0	0
Heightline	Tri	3081.2	189.08	374920.9	5026959	82	0	0
Heightline	Tri	2842.1	191.478	374919.5	5026961	82	0	0
Heightline	Tri	2872.1	191.478	374919.5	5026961	82	0	0
Heightline	Tri	2842.2	201.844	374913.6	5026969	82.81	0	0
Heightline	Tri	3263.3	201.844	374913.6	5026969	82.81	0	0
Heightline	Tri	2862.2	203.157	374912.8	5026970	82.83	0	0
Heightline	Tri	3263.2	203.157	374912.8	5026970	82.83	0	0
Heightline	Tri	2862.3	204.323	374912.2	5026971	82.84	0	0
Heightline	Tri	3128.2	204.323	374912.2	5026971	82.84	0	0
Heightline	Tri	3128.1	205.864	374911.3	5026972	82.9	0	0
Heightline	Tri	3287.3	205.864	374911.3	5026972	82.9	0	0
Heightline	Tri	3287.2	232.659	374896	5026994	83.59	0	0
Heightline	Tri	3303.2	232.659	374896	5026994	83.59	0	0
Heightline	Tri	2979.1	268.996	374875.3	5027024	83.56	0	0
Heightline	Tri	3303.1	268.996	374875.3	5027024	83.56	0	0
Heightline	Tri	2833.3	275.02	374871.8	5027029	83.52	0	0
Heightline	Tri	2979.3	275.02	374871.8	5027029	83.52	0	0
Ground	LWPOLYLIN	304.663	374854.9	5027053	0	0	0	
Heightline	Tri	2570.1	326.453	374842.5	5027071	83.22	0	0
Heightline	Tri	2833.2	326.453	374842.5	5027071	83.22	0	0
Heightline	Tri	2439.3	330.847	374840	5027075	83.19	0	0
Heightline	Tri	2570.2	330.847	374840	5027075	83.19	0	0
Heightline	Tri	2439.2	336.568	374836.7	5027080	83.15	0	0
Heightline	Tri	2460.1	336.568	374836.7	5027080	83.15	0	0
Heightline	Tri	2381.2	396.186	374802.7	5027129	82	0	0
Heightline	Tri	2460.2	396.186	374802.7	5027129	82	0	0
Ground	LWPOLYLIN	400.045	374800.5	5027132	0	0	0	
Building(R)	POLYLINE	429.374	374783.8	5027156	82	7.58	0	
Ground	LWPOLYLIN	457.778	374796.4	5027130	0	0	0	
Heightline	Tri	2381.2	472.597	374802.9	5027117	82	0	0
Heightline	Tri	2460.2	472.597	374802.9	5027117	82	0	0
Heightline	Tri	2439.2	584.759	374852.6	5027017	83.67	0	0
Heightline	Tri	2460.1	584.759	374852.6	5027017	83.67	0	0
Heightline	Tri	2439.3	588.401	374854.2	5027013	83.69	0	0
Heightline	Tri	2570.2	588.401	374854.2	5027013	83.69	0	0
Heightline	Tri	2570.1	598.712	374858.8	5027004	83.78	0	0
Heightline	Tri	2833.2	598.712	374858.8	5027004	83.78	0	0
Heightline	Tri	2833.3	616.717	374866.8	5026988	83.9	0	0
Heightline	Tri	2979.3	616.717	374866.8	5026988	83.9	0	0
Heightline	Tri	2979.1	618.226	374867.5	5026987	83.91	0	0

Heightline	Tri	3303.1	618.226	374867.5	5026987	83.91	0	0
Heightline	Tri	3287.2	625.713	374870.8	5026980	83.93	0	0
Heightline	Tri	3303.2	625.713	374870.8	5026980	83.93	0	0
Heightline	Tri	3128.1	629.92	374872.6	5026976	83.83	0	0
Heightline	Tri	3287.3	629.92	374872.6	5026976	83.83	0	0
Heightline	Tri	2862.3	630.136	374872.7	5026976	83.82	0	0
Heightline	Tri	3128.2	630.136	374872.7	5026976	83.82	0	0
Heightline	Tri	2862.2	632.409	374873.7	5026974	83.82	0	0
Heightline	Tri	3263.2	632.409	374873.7	5026974	83.82	0	0
Heightline	Tri	2842.2	632.59	374873.8	5026974	83.82	0	0
Heightline	Tri	3263.3	632.59	374873.8	5026974	83.82	0	0
Heightline	Tri	2842.1	654.716	374883.6	5026954	82	0	0
Heightline	Tri	2872.1	654.716	374883.6	5026954	82	0	0
Heightline	Tri	2872.3	660.221	374886.1	5026949	82	0	0
Heightline	Tri	3081.2	660.221	374886.1	5026949	82	0	0
Heightline	Tri	2903.3	666.64	374888.9	5026943	82	0	0
Heightline	Tri	3081.3	666.64	374888.9	5026943	82	0	0
Heightline	Tri	2903.2	670.791	374890.7	5026939	82	0	0
Heightline	Tri	3060.3	670.791	374890.7	5026939	82	0	0
Heightline	Tri	2987.1	672.427	374891.5	5026938	82	0	0
Heightline	Tri	3060.1	672.427	374891.5	5026938	82	0	0
Heightline	Tri	2987.3	682.493	374895.9	5026929	82	0	0
Heightline	Tri	3056.2	682.493	374895.9	5026929	82	0	0
Heightline	Tri	3045.2	683.159	374896.2	5026928	82	0	0
Heightline	Tri	3056.3	683.159	374896.2	5026928	82	0	0
Heightline	Tri	2992.1	684.497	374896.8	5026927	82	0	0
Heightline	Tri	3045.3	684.497	374896.8	5026927	82	0	0
Pointsources	S6	687.636	374898.2	5026924	82	2.7	0	

L(wr)	--	81	83	84	87	89	89	83	72
A(ground)	-5.06	-5.06	-5.06	-5.06	-5.06	-5.06	-5.06	-5.06	-5.06
A(barrier)	9.83	9.83	9.83	9.83	9.83	9.83	9.84	9.85	9.86
A(veg)	0	0	0	0	0	0	0	0	0
A(sit)	0	0	0	0	0	0	0	0	0
A(bld)	0	0	0	0	0	0	0	0	0
A(air)	0.02	0.08	0.28	0.72	1.33	2.52	6.65	22.53	80.37
A(geo)	67.74	67.74	67.74	67.74	67.74	67.74	67.74	67.74	67.74
A(refl)	--	--	--	--	--	--	-0.97	-0.97	-0.97
C(meteo)	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19

L(p) -- -- -- -- -- -- 7.67 -14.22 -83.08 | 7.7

Cross section for receiver 7 (Id=-10753 and source S6 (Id=550)
[Reflection in facade POLYLINE (Id=38)]

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	7	0	375028.7	5026803	82	4.5	0	
Heightline	Tri	3640.2	11.786	375037.8	5026811	82	0	0
Heightline	Tri	3681.1	11.786	375037.8	5026811	82	0	0
Heightline	Tri	3640.3	41.181	375060.4	5026830	82	0	0
Heightline	Tri	4065.3	41.181	375060.4	5026830	82	0	0
Heightline	Tri	3858.2	41.328	375060.5	5026830	82	0	0
Heightline	Tri	4065.2	41.328	375060.5	5026830	82	0	0
Heightline	Tri	3858.3	70.044	375082.6	5026848	82	0	0
Heightline	Tri	3940.3	70.044	375082.6	5026848	82	0	0
Heightline	Tri	3940.1	77.044	375088	5026852	82	0	0
Heightline	Tri	4121.2	77.044	375088	5026852	82	0	0
Heightline	Tri	3982.2	86.937	375095.6	5026859	82	0	0
Heightline	Tri	4121.1	86.937	375095.6	5026859	82	0	0
Heightline	Tri	3755.2	95.429	375102.2	5026864	83.25	0	0
Heightline	Tri	3982.1	95.429	375102.2	5026864	83.25	0	0
Heightline	Tri	3585.1	100.674	375106.2	5026868	84	0	0
Heightline	Tri	3755.1	100.674	375106.2	5026868	84	0	0
Heightline	Tri	3529.3	102.917	375107.9	5026869	84	0	0
Heightline	Tri	3585.3	102.917	375107.9	5026869	84	0	0

Heightline	Tri	2972.2	103.317	375108.2	5026869	84	0	0
Heightline	Tri	3529.2	103.317	375108.2	5026869	84	0	0
Heightline	Tri	2972.1	111.579	375114.6	5026875	84	0	0
Heightline	Tri	3995.3	111.579	375114.6	5026875	84	0	0
Barrier	Id=1202	114.357	375116.7	5026876	0	84.5	0	533
Heightline	Tri	3890.1	116.523	375118.4	5026878	84	0	0
Heightline	Tri	3995.2	116.523	375118.4	5026878	84	0	0
Heightline	Tri	3890.2	126.499	375126.1	5026884	84	0	0
Heightline	Tri	4045.2	126.499	375126.1	5026884	84	0	0
Heightline	Tri	4045.3	132.121	375130.4	5026888	83.12	0	0
Heightline	Tri	4145.2	132.121	375130.4	5026888	83.12	0	0
Heightline	Tri	3983.2	137.678	375134.7	5026891	82	0	0
Heightline	Tri	4145.1	137.678	375134.7	5026891	82	0	0
Heightline	Tri	3983.3	156.641	375149.2	5026903	82	0	0
Heightline	Tri	4163.2	156.641	375149.2	5026903	82	0	0
Heightline	Tri	4163.1	214.334	375193.6	5026940	82	0	0
Heightline	Tri	4511.2	214.334	375193.6	5026940	82	0	0
Heightline	Tri	4317.3	216.196	375195.1	5026941	82	0	0
Heightline	Tri	4511.1	216.196	375195.1	5026941	82	0	0
Heightline	Tri	4317.1	243.777	375216.3	5026959	82	0	0
Heightline	Tri	4576.1	243.777	375216.3	5026959	82	0	0
Building	POLYLINE	244.915	375217.2	5026960	82	7.25	0	15
Building	POLYLINE	273.569	375239.2	5026978	82	7.25	0	15
Heightline	Tri	4576.2	277.051	375241.9	5026980	82	0	0
Heightline	Tri	4970.3	277.051	375241.9	5026980	82	0	0
Heightline	Tri	4907.2	341.346	375291.4	5027021	82	0	0
Heightline	Tri	4970.2	341.346	375291.4	5027021	82	0	0
Heightline	Tri	4907.3	342.696	375292.4	5027022	82	0	0
Heightline	Tri	4990.1	342.696	375292.4	5027022	82	0	0
Heightline	Tri	4990.3	346.485	375295.3	5027025	82	0	0
Heightline	Tri	5000.1	346.485	375295.3	5027025	82	0	0
Heightline	Tri	5000.2	351.133	375298.9	5027028	82	0	0
Heightline	Tri	5045.1	351.133	375298.9	5027028	82	0	0
Heightline	Tri	5045.3	358	375304.2	5027032	82	0	0
Heightline	Tri	5109.1	358	375304.2	5027032	82	0	0
Heightline	Tri	5109.2	369.479	375313	5027039	82	0	0
Heightline	Tri	5145.2	369.479	375313	5027039	82	0	0
Heightline	Tri	5145.3	404.783	375340.2	5027062	82	0	0
Heightline	Tri	5231.2	404.783	375340.2	5027062	82	0	0
Heightline	Tri	5172.2	410.017	375344.2	5027065	82	0	0
Heightline	Tri	5231.1	410.017	375344.2	5027065	82	0	0
Heightline	Tri	5172.1	427.992	375358	5027077	82	0	0
Heightline	Tri	5382.1	427.992	375358	5027077	82	0	0
Heightline	Tri	5382.2	431.684	375360.9	5027079	82	0	0
Heightline	Tri	5583.3	431.684	375360.9	5027079	82	0	0
Heightline	Tri	5583.2	443.366	375369.8	5027086	82	0	0
Heightline	Tri	5633.2	443.366	375369.8	5027086	82	0	0
Heightline	Tri	5449.3	445.562	375371.5	5027088	82	0	0
Heightline	Tri	5633.1	445.562	375371.5	5027088	82	0	0
Heightline	Tri	5449.1	455.63	375379.3	5027094	82	0	0
Heightline	Tri	5586.3	455.63	375379.3	5027094	82	0	0
Heightline	Tri	5424.2	469.595	375390	5027103	82	0	0
Heightline	Tri	5586.2	469.595	375390	5027103	82	0	0
Heightline	Tri	5386.2	471.359	375391.4	5027104	82	0	0
Heightline	Tri	5424.3	471.359	375391.4	5027104	82	0	0
Heightline	Tri	5386.3	471.53	375391.5	5027104	82	0	0
Heightline	Tri	5559.2	471.53	375391.5	5027104	82	0	0
Heightline	Tri	5520.3	472.736	375392.4	5027105	82	0	0
Heightline	Tri	5559.3	472.736	375392.4	5027105	82	0	0
Heightline	Tri	5520.1	472.78	375392.5	5027105	82	0	0
Heightline	Tri	5565.2	472.78	375392.5	5027105	82	0	0
Heightline	Tri	5565.1	474.058	375393.5	5027106	82	0	0
Heightline	Tri	5589.3	474.058	375393.5	5027106	82	0	0
Building(R)	POLYLINE	475.125	375394.3	5027107	81.72	12.53	0	
Heightline	Tri	5565.1	476.047	375393.4	5027106	82	0	0
Heightline	Tri	5589.3	476.047	375393.4	5027106	82	0	0
Heightline	Tri	5520.1	477.143	375392.4	5027106	82	0	0

Heightline Tri	5565.2	477.143	375392.4	5027106	82	0	0
Heightline Tri	5520.3	477.207	375392.3	5027106	82	0	0
Heightline Tri	5559.3	477.207	375392.3	5027106	82	0	0
Heightline Tri	5386.3	479.78	375389.9	5027105	82	0	0
Heightline Tri	5559.2	479.78	375389.9	5027105	82	0	0
Heightline Tri	5386.2	480.36	375389.4	5027105	82	0	0
Heightline Tri	5424.3	480.36	375389.4	5027105	82	0	0
Heightline Tri	5424.2	507.589	375363.8	5027096	82	0	0
Heightline Tri	5586.2	507.589	375363.8	5027096	82	0	0
Heightline Tri	5449.1	513.438	375358.3	5027094	82	0	0
Heightline Tri	5586.3	513.438	375358.3	5027094	82	0	0
Heightline Tri	5387.2	515.394	375356.5	5027093	82	0	0
Heightline Tri	5449.2	515.394	375356.5	5027093	82	0	0
Heightline Tri	5387.3	516.136	375355.8	5027093	82	0	0
Heightline Tri	5413.3	516.136	375355.8	5027093	82	0	0
Heightline Tri	5391.2	519.4	375352.7	5027091	82	0	0
Heightline Tri	5413.2	519.4	375352.7	5027091	82	0	0
Heightline Tri	5365.3	521.944	375350.3	5027091	82	0	0
Heightline Tri	5391.1	521.944	375350.3	5027091	82	0	0
Heightline Tri	5353.2	532.068	375340.8	5027087	82	0	0
Heightline Tri	5365.1	532.068	375340.8	5027087	82	0	0
Heightline Tri	5273.3	534.066	375339	5027086	82	0	0
Heightline Tri	5353.3	534.066	375339	5027086	82	0	0
Heightline Tri	5206.1	536.726	375336.5	5027086	82	0	0
Heightline Tri	5273.2	536.726	375336.5	5027086	82	0	0
Heightline Tri	5171.3	539.198	375334.1	5027085	82	0	0
Heightline Tri	5206.3	539.198	375334.1	5027085	82	0	0
Heightline Tri	5171.1	553.762	375320.5	5027080	82	0	0
Heightline Tri	5180.2	553.762	375320.5	5027080	82	0	0
Heightline Tri	5180.1	553.83	375320.4	5027080	82	0	0
Heightline Tri	5189.3	553.83	375320.4	5027080	82	0	0
Heightline Tri	5176.2	553.903	375320.3	5027080	82	0	0
Heightline Tri	5189.2	553.903	375320.3	5027080	82	0	0
Heightline Tri	5133.2	558.06	375316.4	5027078	82	0	0
Heightline Tri	5176.3	558.06	375316.4	5027078	82	0	0
Heightline Tri	5117.1	560.595	375314.1	5027077	82	0	0
Heightline Tri	5133.1	560.595	375314.1	5027077	82	0	0
Heightline Tri	5113.1	560.913	375313.8	5027077	82	0	0
Heightline Tri	5117.3	560.913	375313.8	5027077	82	0	0
Heightline Tri	4746.1	564.45	375310.4	5027076	82	0	0
Heightline Tri	5113.2	564.45	375310.4	5027076	82	0	0
Heightline Tri	555.3	574.505	375301	5027072	82	0	0
Heightline Tri	4746.3	574.505	375301	5027072	82	0	0
Heightline Tri	555.1	575.408	375300.2	5027072	82	0	0
Heightline Tri	4775.3	575.408	375300.2	5027072	82	0	0
Heightline Tri	4775.1	576.494	375299.1	5027072	82	0	0
Heightline Tri	5026.2	576.494	375299.1	5027072	82	0	0
Heightline Tri	4995.1	578.76	375297	5027071	82	0	0
Heightline Tri	5026.1	578.76	375297	5027071	82	0	0
Heightline Tri	4937.2	583.275	375292.8	5027069	82	0	0
Heightline Tri	4995.3	583.275	375292.8	5027069	82	0	0
Heightline Tri	4924.2	585.083	375291.1	5027069	82	0	0
Heightline Tri	4937.1	585.083	375291.1	5027069	82	0	0
Heightline Tri	4924.1	585.131	375291	5027069	82	0	0
Heightline Tri	4927.2	585.131	375291	5027069	82	0	0
Heightline Tri	4927.1	585.321	375290.9	5027069	82	0	0
Heightline Tri	4944.2	585.321	375290.9	5027069	82	0	0
Heightline Tri	4910.1	597.117	375279.8	5027065	82	0	0
Heightline Tri	4944.3	597.117	375279.8	5027065	82	0	0
Heightline Tri	4909.2	598.814	375278.2	5027064	82	0	0
Heightline Tri	4910.3	598.814	375278.2	5027064	82	0	0
Heightline Tri	4901.1	602.099	375275.1	5027063	82	0	0
Heightline Tri	4909.3	602.099	375275.1	5027063	82	0	0
Heightline Tri	4901.3	603.721	375273.6	5027062	82	0	0
Heightline Tri	4902.1	603.721	375273.6	5027062	82	0	0
Heightline Tri	4749.2	606.218	375271.2	5027062	82	0	0
Heightline Tri	4902.3	606.218	375271.2	5027062	82	0	0

Heightline	Tri	4576.3	611.575	375266.2	5027060	82	0	0
Heightline	Tri	4749.1	611.575	375266.2	5027060	82	0	0
Heightline	Tri	4317.1	680.521	375201.5	5027036	82	0	0
Heightline	Tri	4576.1	680.521	375201.5	5027036	82	0	0
Heightline	Tri	3959.1	793.194	375095.7	5026997	82	0	0
Heightline	Tri	4317.2	793.194	375095.7	5026997	82	0	0
Heightline	Tri	3849.3	816.819	375073.6	5026989	82	0	0
Heightline	Tri	3959.3	816.819	375073.6	5026989	82	0	0
Heightline	Tri	3842.2	820.605	375070	5026988	82	0	0
Heightline	Tri	3849.2	820.605	375070	5026988	82	0	0
Heightline	Tri	3832.1	821.856	375068.8	5026987	82	0	0
Heightline	Tri	3842.3	821.856	375068.8	5026987	82	0	0
Heightline	Tri	3820.3	825.661	375065.3	5026986	82	0	0
Heightline	Tri	3832.2	825.661	375065.3	5026986	82	0	0
Heightline	Tri	3799.2	831.187	375060.1	5026984	82	0	0
Heightline	Tri	3820.2	831.187	375060.1	5026984	82	0	0
Ground	LWPOLYLIN	839.116	375052.6	5026981	0	0	0	0
Heightline	Tri	3750.2	842.924	375049.1	5026980	82	0	0
Heightline	Tri	3799.3	842.924	375049.1	5026980	82	0	0
Heightline	Tri	3722.2	857.055	375035.8	5026975	82	0	0
Heightline	Tri	3750.1	857.055	375035.8	5026975	82	0	0
Heightline	Tri	3719.1	859.046	375033.9	5026974	82	0	0
Heightline	Tri	3722.3	859.046	375033.9	5026974	82	0	0
Heightline	Tri	3600.1	859.328	375033.7	5026974	82	0	0
Heightline	Tri	3719.3	859.328	375033.7	5026974	82	0	0
Heightline	Tri	3600.3	860.104	375032.9	5026974	82	0	0
Heightline	Tri	3639.1	860.104	375032.9	5026974	82	0	0
Heightline	Tri	3639.2	873.218	375020.6	5026969	82	0	0
Heightline	Tri	3716.2	873.218	375020.6	5026969	82	0	0
Heightline	Tri	3598.1	873.736	375020.2	5026969	82	0	0
Heightline	Tri	3716.3	873.736	375020.2	5026969	82	0	0
Heightline	Tri	3579.1	904.202	374991.6	5026959	82	0	0
Heightline	Tri	3598.2	904.202	374991.6	5026959	82	0	0
Heightline	Tri	3567.2	913.044	374983.3	5026956	82	0	0
Heightline	Tri	3579.3	913.044	374983.3	5026956	82	0	0
Heightline	Tri	3479.3	913.764	374982.6	5026955	82	0	0
Heightline	Tri	3567.3	913.764	374982.6	5026955	82	0	0
Heightline	Tri	3479.2	929.002	374968.3	5026950	82	0	0
Heightline	Tri	3534.2	929.002	374968.3	5026950	82	0	0
Heightline	Tri	3495.3	929.376	374967.9	5026950	82	0	0
Heightline	Tri	3534.3	929.376	374967.9	5026950	82	0	0
Heightline	Tri	3484.2	950.323	374948.3	5026943	82	0	0
Heightline	Tri	3495.2	950.323	374948.3	5026943	82	0	0
Heightline	Tri	3309.3	950.842	374947.8	5026943	82	0	0
Heightline	Tri	3484.3	950.842	374947.8	5026943	82	0	0
Heightline	Tri	3309.1	958.08	374941	5026940	82	0	0
Heightline	Tri	3311.2	958.08	374941	5026940	82	0	0
Heightline	Tri	3217.1	962.365	374937	5026939	82	0	0
Heightline	Tri	3311.1	962.365	374937	5026939	82	0	0
Heightline	Tri	3188.3	967.552	374932.1	5026937	82	0	0
Heightline	Tri	3217.3	967.552	374932.1	5026937	82	0	0
Heightline	Tri	3137.3	976.279	374923.9	5026934	82	0	0
Heightline	Tri	3188.2	976.279	374923.9	5026934	82	0	0
Heightline	Tri	3125.3	981.096	374919.4	5026932	82	0	0
Heightline	Tri	3137.1	981.096	374919.4	5026932	82	0	0
Heightline	Tri	3107.3	983.068	374917.5	5026931	82	0	0
Heightline	Tri	3125.1	983.068	374917.5	5026931	82	0	0
Heightline	Tri	3086.1	985.839	374914.9	5026931	82	0	0
Heightline	Tri	3107.2	985.839	374914.9	5026931	82	0	0
Heightline	Tri	3059.1	989.761	374911.3	5026929	82	0	0
Heightline	Tri	3086.3	989.761	374911.3	5026929	82	0	0
Heightline	Tri	3056.1	993.266	374908	5026928	82	0	0
Heightline	Tri	3059.2	993.266	374908	5026928	82	0	0
Heightline	Tri	3045.2	998.095	374903.4	5026926	82	0	0
Heightline	Tri	3056.3	998.095	374903.4	5026926	82	0	0
Heightline	Tri	2992.1	1002.08	374899.7	5026925	82	0	0
Heightline	Tri	3045.3	1002.08	374899.7	5026925	82	0	0

Pointsources	S6	1003.664	374898.2	5026924	82	2.7	0		
L(wr)	--	81	83	84	87	89	89	83	72
A(ground)	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35
A(barrier)	10.13	10.13	10.13	10.13	10.13	10.13	10.13	10.13	10.13
A(veg)	0	0	0	0	0	0	0	0	0
A(sit)	0	0	0	0	0	0	0	0	0
A(bld)	0	0	0	0	0	0	0	0	0
A(air)	0.03	0.12	0.41	1.05	1.93	3.67	9.7	32.89	117.31
A(geo)	71.02	71.02	71.02	71.02	71.02	71.02	71.02	71.02	71.02
A(refl)	--	--	--	--	--	--	-0.97	-0.97	-0.97
C(meteo)	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
L(p)	--	--	--	--	--	--	1.35	-27.85	-123.27 1.35

Cross section for receiver 7 (Id=-10753 and source S6 (Id=550)
[Reflection in facade POLYLINE (Id=85)]

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	7	0	375028.7	5026803	82	4.5	0	
Building	POLYLINE	1.066	375029	5026802	82	4.77	0	134
Building	POLYLINE	18.146	375033.5	5026786	82	4.77	0	134
Building	POLYLINE	103.241	375056	5026704	82	4.88	0	141
Building	POLYLINE	110.101	375057.8	5026697	82	4.88	0	141
Building	POLYLINE	118.559	375060	5026689	82	4.9	0	142
Building	POLYLINE	124.781	375061.7	5026683	82	4.9	0	142
Heightline	Tri	3681.3	176.363	375075.3	5026633	82	0	0
Heightline	Tri	3984.3	176.363	375075.3	5026633	82	0	0
Heightline	Tri	3582.3	182.704	375077	5026627	82	0	0
Heightline	Tri	3984.1	182.704	375077	5026627	82	0	0
Building	POLYLINE	183.899	375077.3	5026626	82	5.25	0	96
Heightline	Tri	3582.2	186.027	375077.9	5026624	82	0	0
Heightline	Tri	3921.3	186.027	375077.9	5026624	82	0	0
Building	POLYLINE	192.64	375079.6	5026617	82	5.25	0	96
Building	POLYLINE	195.68	375080.4	5026615	82	5.49	0	95
Heightline	Tri	3800.3	201.734	375082	5026609	82	0	0
Heightline	Tri	3921.1	201.734	375082	5026609	82	0	0
Building	POLYLINE	206.741	375083.3	5026604	82	5.49	0	95
Heightline	Tri	3800.2	207.574	375083.6	5026603	82	0	0
Heightline	Tri	3937.2	207.574	375083.6	5026603	82	0	0
Heightline	Tri	3897.2	209.249	375084	5026601	82	0	0
Heightline	Tri	3937.3	209.249	375084	5026601	82	0	0
Heightline	Tri	3897.1	214.027	375085.3	5026597	82	0	0
Heightline	Tri	3915.2	214.027	375085.3	5026597	82	0	0
Heightline	Tri	3915.1	215.757	375085.7	5026595	82	0	0
Heightline	Tri	3944.1	215.757	375085.7	5026595	82	0	0
Heightline	Tri	3920.2	216.32	375085.9	5026595	82	0	0
Heightline	Tri	3944.2	216.32	375085.9	5026595	82	0	0
Heightline	Tri	3914.1	221.839	375087.3	5026589	82	0	0
Heightline	Tri	3920.1	221.839	375087.3	5026589	82	0	0
Heightline	Tri	3914.3	221.839	375087.3	5026589	82	0	0
Heightline	Tri	3935.3	221.839	375087.3	5026589	82	0	0
Heightline	Tri	3935.1	222.078	375087.4	5026589	82	0	0
Heightline	Tri	3970.1	222.078	375087.4	5026589	82	0	0
Heightline	Tri	3970.2	223.247	375087.7	5026588	82	0	0
Heightline	Tri	3986.1	223.247	375087.7	5026588	82	0	0
Heightline	Tri	3985.2	223.432	375087.7	5026588	82	0	0
Heightline	Tri	3986.2	223.432	375087.7	5026588	82	0	0
Heightline	Tri	3985.3	223.432	375087.7	5026588	82	0	0
Heightline	Tri	3992.2	223.432	375087.7	5026588	82	0	0
Heightline	Tri	3922.1	223.714	375087.8	5026587	82	0	0
Heightline	Tri	3992.3	223.714	375087.8	5026587	82	0	0
Heightline	Tri	3922.3	225.941	375088.4	5026585	82	0	0
Heightline	Tri	4062.1	225.941	375088.4	5026585	82	0	0
Heightline	Tri	3792.3	227.739	375088.9	5026584	82	0	0

Heightline	Tri	4062.2	227.739	375088.9	5026584	82	0	0
Building	POLYLINE	239.719	375092.1	5026572	82	6.46	0	73
Building	POLYLINE	250.676	375094.9	5026561	82	6.46	0	73
Building	POLYLINE	255.8	375096.3	5026557	82	6.56	0	74
Heightline	Tri	3792.2	257.478	375096.7	5026555	82	0	0
Heightline	Tri	4154.1	257.478	375096.7	5026555	82	0	0
Building	POLYLINE	265.912	375099	5026547	82	6.56	0	74
Building	POLYLINE	270.928	375100.3	5026542	82.43	6.23	0	75
Building	POLYLINE	277.531	375102	5026536	82.43	6.23	0	75
Building(R)	POLYLINE	283.107	375103.5	5026530	82.33	6.42	0	
Building	POLYLINE	288.747	375100.9	5026535	82.43	6.23	0	75
Building	POLYLINE	290.521	375100.1	5026537	82.43	6.23	0	75
Heightline	Tri	3792.2	312.875	375089.8	5026557	82	0	0
Heightline	Tri	4154.1	312.875	375089.8	5026557	82	0	0
Heightline	Tri	3792.1	343.963	375075.4	5026584	82	0	0
Heightline	Tri	3972.3	343.963	375075.4	5026584	82	0	0
Building	POLYLINE	345.765	375074.6	5026586	82	5.97	0	93
Building	POLYLINE	346.266	375074.3	5026586	82	5.97	0	93
Heightline	Tri	3878.2	348.616	375073.3	5026588	82	0	0
Heightline	Tri	3972.1	348.616	375073.3	5026588	82	0	0
Heightline	Tri	3865.1	348.731	375073.2	5026588	82	0	0
Heightline	Tri	3878.1	348.731	375073.2	5026588	82	0	0
Heightline	Tri	3864.3	348.83	375073.2	5026588	82	0	0
Heightline	Tri	3865.3	348.83	375073.2	5026588	82	0	0
Heightline	Tri	3864.2	348.873	375073.1	5026589	82	0	0
Heightline	Tri	3889.1	348.873	375073.1	5026589	82	0	0
Heightline	Tri	3854.3	348.968	375073.1	5026589	82	0	0
Heightline	Tri	3889.3	348.968	375073.1	5026589	82	0	0
Building	POLYLINE	349.377	375072.9	5026589	82	5.97	0	93
Building	POLYLINE	351.122	375072.1	5026591	82	5.97	0	93
Building	POLYLINE	354.467	375070.5	5026593	82	5.8	0	94
Heightline	Tri	3834.3	356.222	375069.7	5026595	82	0	0
Heightline	Tri	3854.1	356.222	375069.7	5026595	82	0	0
Heightline	Tri	3834.1	357.249	375069.3	5026596	82	0	0
Heightline	Tri	3897.3	357.249	375069.3	5026596	82	0	0
Heightline	Tri	3897.2	360.042	375068	5026598	82	0	0
Heightline	Tri	3937.3	360.042	375068	5026598	82	0	0
Heightline	Tri	3800.2	360.768	375067.6	5026599	82	0	0
Heightline	Tri	3937.2	360.768	375067.6	5026599	82	0	0
Building	POLYLINE	364.098	375066.1	5026602	82	5.8	0	94
Heightline	Tri	3800.3	372.992	375062	5026610	82	0	0
Heightline	Tri	3921.1	372.992	375062	5026610	82	0	0
Heightline	Tri	3582.2	385.241	375056.3	5026621	82	0	0
Heightline	Tri	3921.3	385.241	375056.3	5026621	82	0	0
Heightline	Tri	3582.3	390.205	375054	5026625	82	0	0
Heightline	Tri	3984.1	390.205	375054	5026625	82	0	0
Heightline	Tri	3681.3	395.001	375051.8	5026629	82	0	0
Heightline	Tri	3984.3	395.001	375051.8	5026629	82	0	0
Building	POLYLINE	409.451	375045.1	5026642	82	5.05	0	145
Building	POLYLINE	421.376	375039.6	5026653	82	5.05	0	145
Building	POLYLINE	444.314	375029	5026673	82	4.79	0	280
Building	POLYLINE	448.171	375027.3	5026677	82	4.79	0	280
Building	POLYLINE	459.247	375022.1	5026686	82	4.64	0	281
Building	POLYLINE	470.098	375017.1	5026696	82	4.64	0	281
Building	POLYLINE	474.814	375015	5026700	82	4.59	0	282
Building	POLYLINE	484.99	375010.3	5026709	82	4.59	0	282
Building	POLYLINE	486.874	375009.4	5026711	82	4.43	0	283
Building	POLYLINE	497.225	375004.6	5026720	82	4.43	0	283
Heightline	Tri	3558.1	497.971	375004.3	5026721	82	0	0
Heightline	Tri	3681.2	497.971	375004.3	5026721	82	0	0
Building	POLYLINE	499.341	375003.6	5026722	82	4.33	0	284
Building	POLYLINE	509.5	374998.9	5026731	82	4.33	0	284
Building	POLYLINE	511.569	374998	5026733	82	4.31	0	285
Building	POLYLINE	522.319	374993	5026742	82	4.31	0	285
Building	POLYLINE	523.96	374992.3	5026744	82	4.33	0	286
Heightline	Tri	3536.1	526.643	374991	5026746	82	0	0
Heightline	Tri	3558.3	526.643	374991	5026746	82	0	0

Building	POLYLINE	532.228	374988.4	5026751	82	4.33	0	286
Building	POLYLINE	535.945	374986.7	5026754	82	4.29	0	287
Heightline	Tri	3524.1	535.992	374986.7	5026754	82	0	0
Heightline	Tri	3536.3	535.992	374986.7	5026754	82	0	0
Building	POLYLINE	548.313	374981	5026765	82	4.29	0	287
Building	POLYLINE	549.403	374980.5	5026766	82	4.15	0	288
Heightline	Tri	3492.1	550.866	374979.8	5026768	82	0	0
Heightline	Tri	3524.3	550.866	374979.8	5026768	82	0	0
Building	POLYLINE	562.376	374974.5	5026778	82	4.15	0	288
Heightline	Tri	3455.2	568.51	374971.7	5026783	82	0	0
Heightline	Tri	3492.2	568.51	374971.7	5026783	82	0	0
Heightline	Tri	3438.2	584.577	374964.2	5026798	82	0	0
Heightline	Tri	3455.1	584.577	374964.2	5026798	82	0	0
Heightline	Tri	3400.2	628.886	374943.8	5026837	82	0	0
Heightline	Tri	3438.3	628.886	374943.8	5026837	82	0	0
Heightline	Tri	3400.1	629.102	374943.7	5026837	82	0	0
Heightline	Tri	3402.1	629.102	374943.7	5026837	82	0	0
Heightline	Tri	3380.2	630.146	374943.2	5026838	82	0	0
Heightline	Tri	3402.3	630.146	374943.2	5026838	82	0	0
Heightline	Tri	3312.3	631.879	374942.4	5026840	82	0	0
Heightline	Tri	3380.3	631.879	374942.4	5026840	82	0	0
Heightline	Tri	3272.1	632.459	374942.1	5026840	82.14	0	0
Heightline	Tri	3312.2	632.459	374942.1	5026840	82.14	0	0
Heightline	Tri	3232.3	638.908	374939.2	5026846	84	0	0
Heightline	Tri	3272.2	638.908	374939.2	5026846	84	0	0
Barrier	Id=1202	641.941	374937.7	5026848	0	84.5	0	533
Heightline	Tri	3207.3	642.452	374937.5	5026849	84	0	0
Heightline	Tri	3232.2	642.452	374937.5	5026849	84	0	0
Heightline	Tri	3207.1	642.86	374937.3	5026849	84	0	0
Heightline	Tri	3212.2	642.86	374937.3	5026849	84	0	0
Heightline	Tri	3198.2	648.332	374934.8	5026854	82.03	0	0
Heightline	Tri	3212.1	648.332	374934.8	5026854	82.03	0	0
Heightline	Tri	3124.2	648.429	374934.8	5026854	82	0	0
Heightline	Tri	3198.3	648.429	374934.8	5026854	82	0	0
Heightline	Tri	3124.3	650.947	374933.6	5026856	82	0	0
Heightline	Tri	3146.1	650.947	374933.6	5026856	82	0	0
Barrier	Id=1258	658.087	374930.3	5026863	82	0	0	535
Ground	LWPOLYLINE	658.094	374930.3	5026863	0	0	0	
Heightline	Tri	3146.3	686.424	374917.2	5026888	82	0	0
Heightline	Tri	3196.3	686.424	374917.2	5026888	82	0	0
Heightline	Tri	3052.3	713.404	374904.7	5026912	82	0	0
Heightline	Tri	3196.2	713.404	374904.7	5026912	82	0	0
Heightline	Tri	3033.1	715.264	374903.9	5026913	82	0	0
Heightline	Tri	3052.2	715.264	374903.9	5026913	82	0	0
Heightline	Tri	3033.2	716.737	374903.2	5026915	82	0	0
Heightline	Tri	3051.3	716.737	374903.2	5026915	82	0	0
Heightline	Tri	2992.2	717.092	374903	5026915	82	0	0
Heightline	Tri	3051.2	717.092	374903	5026915	82	0	0
Pointsources	S6	727.546	374898.2	5026924	82	2.7	0	

L(wr)	--	81	83	84	87	89	89	83	72
A(ground)	-5.11	-5.11	-5.11	-5.11	-5.11	-5.11	-5.11	-5.11	-5.11
A(barrier)	10.06	10.24	10.58	11.19	12.2	13.7	15.7	18.1	20.77
A(veg)	0	0	0	0	0	0	0	0	0
A(sit)	0	0	0	0	0	0	0	0	0
A(bld)	0	0	0	0	0	0	0	0	0
A(air)	0.02	0.09	0.3	0.76	1.4	2.66	7.03	23.84	85.04
A(geo)	68.23	68.23	68.23	68.23	68.23	68.23	68.23	68.23	68.23
A(refl)	--	--	--	--	--	--	--	--	--
C(meteo)	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19

L(p) -- -- -- -- -- -- -- -- -- |

Cross section for receiver 7 (Id=-10753 and source S6 (Id=550)
[Reflection in facade POLYLINE (Id=109)]

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	7	0	375028.7	5026803	82	4.5	0	
Building	POLYLINE	1.42	375028.4	5026802	82	4.77	0	134
Building	POLYLINE	2.74	375028	5026801	82	4.77	0	134
Building	POLYLINE	4.763	375027.5	5026799	82	4.77	0	134
Building	POLYLINE	7.808	375026.8	5026796	82	4.77	0	134
Building	POLYLINE	22.09	375023.1	5026782	82	4.64	0	135
Building	POLYLINE	32.506	375020.5	5026772	82	4.64	0	135
Building	POLYLINE	43.65	375017.7	5026761	82	5.03	0	136
Building	POLYLINE	47.014	375016.8	5026758	82	5.03	0	136
Building	POLYLINE	76.053	375009.5	5026730	82	4.33	0	284
Building	POLYLINE	82.237	375007.9	5026724	82	4.33	0	284
Building	POLYLINE	84.861	375007.3	5026721	82	4.43	0	283
Building	POLYLINE	97.369	375004.1	5026709	82	4.43	0	283
Heightline	Tri	3558.1	103.525	375002.6	5026703	82	0	0
Heightline	Tri	3681.2	103.525	375002.6	5026703	82	0	0
Heightline	Tri	3536.1	140.326	374993.2	5026667	82	0	0
Heightline	Tri	3558.3	140.326	374993.2	5026667	82	0	0
Heightline	Tri	3524.1	144.955	374992.1	5026663	82	0	0
Heightline	Tri	3536.3	144.955	374992.1	5026663	82	0	0
Heightline	Tri	3492.1	149.995	374990.8	5026658	82	0	0
Heightline	Tri	3524.3	149.995	374990.8	5026658	82	0	0
Building	POLYLINE	153.234	374990	5026655	82	4.89	0	278
Building	POLYLINE	155.723	374989.4	5026653	82	4.89	0	278
Building	POLYLINE	159.419	374988.4	5026649	82	4.67	0	277
Building	POLYLINE	171.485	374985.4	5026637	82	4.67	0	277
Heightline	Tri	3468.3	190.11	374980.7	5026619	82	0	0
Heightline	Tri	3492.3	190.11	374980.7	5026619	82	0	0
Building	POLYLINE	192.058	374980.2	5026617	82	6.33	0	152
Building	POLYLINE	209.731	374975.7	5026600	82	6.33	0	152
Heightline	Tri	3468.2	217.211	374973.8	5026593	82	0	0
Heightline	Tri	3541.1	217.211	374973.8	5026593	82	0	0
Heightline	Tri	3512.3	224.466	374972	5026586	82	0	0
Heightline	Tri	3541.2	224.466	374972	5026586	82	0	0
Heightline	Tri	3462.2	227.011	374971.3	5026584	82	0	0
Heightline	Tri	3512.1	227.011	374971.3	5026584	82	0	0
Heightline	Tri	3462.1	227.011	374971.3	5026584	82	0	0
Heightline	Tri	3480.1	227.011	374971.3	5026584	82	0	0
Heightline	Tri	3442.2	230.895	374970.3	5026580	82	0	0
Heightline	Tri	3480.2	230.895	374970.3	5026580	82	0	0
Heightline	Tri	3290.2	235.183	374969.3	5026576	82	0	0
Heightline	Tri	3442.1	235.183	374969.3	5026576	82	0	0
Heightline	Tri	3290.1	236.547	374968.9	5026574	82	0	0
Heightline	Tri	3340.2	236.547	374968.9	5026574	82	0	0
Heightline	Tri	3340.1	236.547	374968.9	5026574	82	0	0
Heightline	Tri	3450.2	236.547	374968.9	5026574	82	0	0
Heightline	Tri	3250.2	238.647	374968.4	5026572	82	0	0
Heightline	Tri	3450.1	238.647	374968.4	5026572	82	0	0
Heightline	Tri	3250.1	238.99	374968.3	5026572	82	0	0
Heightline	Tri	3446.3	238.99	374968.3	5026572	82	0	0
Heightline	Tri	3446.1	247.095	374966.3	5026564	82	0	0
Heightline	Tri	3562.1	247.095	374966.3	5026564	82	0	0
Building	POLYLINE	248.37	374965.9	5026563	82.25	6.31	0	113
Heightline	Tri	3424.3	255.63	374964.1	5026556	82	0	0
Heightline	Tri	3562.2	255.63	374964.1	5026556	82	0	0
Building	POLYLINE	262.639	374962.3	5026549	82.25	6.31	0	113
Building(R)	POLYLINE	284.796	374956.7	5026528	82.48	6.28	0	
Building	POLYLINE	303.299	374954	5026546	82.14	6.24	0	114
Heightline	Tri	3424.3	308.734	374953.2	5026551	82	0	0
Heightline	Tri	3562.2	308.734	374953.2	5026551	82	0	0
Heightline	Tri	3446.1	313.81	374952.5	5026556	82	0	0
Heightline	Tri	3562.1	313.81	374952.5	5026556	82	0	0
Heightline	Tri	3250.1	318.078	374951.9	5026561	82	0	0
Heightline	Tri	3446.3	318.078	374951.9	5026561	82	0	0
Heightline	Tri	3250.2	319.652	374951.6	5026562	82	0	0
Heightline	Tri	3450.1	319.652	374951.6	5026562	82	0	0

Building	POLYLINE	320.499	374951.5	5026563	82.14	6.24	0	114
Heightline	Tri	3340.1	332.858	374949.7	5026575	82	0	0
Heightline	Tri	3450.2	332.858	374949.7	5026575	82	0	0
Heightline	Tri	3290.1	332.858	374949.7	5026575	82	0	0
Heightline	Tri	3340.2	332.858	374949.7	5026575	82	0	0
Heightline	Tri	3286.1	340.686	374948.6	5026583	82	0	0
Heightline	Tri	3290.3	340.686	374948.6	5026583	82	0	0
Heightline	Tri	3286.2	345.007	374947.9	5026587	82	0	0
Heightline	Tri	3338.3	345.007	374947.9	5026587	82	0	0
Building	POLYLINE	357.975	374946	5026600	82	6	0	155
Heightline	Tri	3285.2	360.389	374945.7	5026603	82	0	0
Heightline	Tri	3338.2	360.389	374945.7	5026603	82	0	0
Heightline	Tri	3276.3	368.493	374944.5	5026611	82	0	0
Heightline	Tri	3285.3	368.493	374944.5	5026611	82	0	0
Heightline	Tri	3276.2	369.567	374944.3	5026612	82	0	0
Heightline	Tri	3382.3	369.567	374944.3	5026612	82	0	0
Heightline	Tri	3237.3	369.727	374944.3	5026612	82	0	0
Heightline	Tri	3382.2	369.727	374944.3	5026612	82	0	0
Heightline	Tri	3214.2	370.024	374944.3	5026612	82	0	0
Heightline	Tri	3237.1	370.024	374944.3	5026612	82	0	0
Heightline	Tri	2958.3	373.726	374943.7	5026616	82	0	0
Heightline	Tri	3214.3	373.726	374943.7	5026616	82	0	0
Building	POLYLINE	375.444	374943.5	5026617	82	6	0	155
Building	POLYLINE	446.905	374933.1	5026688	82	4.83	0	232
Building	POLYLINE	459.074	374931.3	5026700	82	4.83	0	232
Heightline	Tri	2958.1	469.72	374929.7	5026711	82	0	0
Heightline	Tri	3227.1	469.72	374929.7	5026711	82	0	0
Building	POLYLINE	478.194	374928.5	5026719	82	4.34	0	238
Building	POLYLINE	493.096	374926.3	5026734	82	4.34	0	238
Building	POLYLINE	524.591	374921.7	5026765	82	4.22	0	292
Building	POLYLINE	543.603	374919	5026784	82	4.22	0	292
Heightline	Tri	2629.2	593.924	374911.6	5026834	82	0	0
Heightline	Tri	3227.3	593.924	374911.6	5026834	82	0	0
Heightline	Tri	2629.3	597.436	374911.1	5026837	82.93	0	0
Heightline	Tri	2661.1	597.436	374911.1	5026837	82.93	0	0
Heightline	Tri	2484.3	601.21	374910.5	5026841	84	0	0
Heightline	Tri	2661.3	601.21	374910.5	5026841	84	0	0
Heightline	Tri	2484.2	605.581	374909.9	5026845	84	0	0
Heightline	Tri	5730.3	605.581	374909.9	5026845	84	0	0
Barrier	Id=1202	606.054	374909.8	5026846	0	84.5	0	533
Heightline	Tri	5677.3	607.588	374909.6	5026847	84	0	0
Heightline	Tri	5730.1	607.588	374909.6	5026847	84	0	0
Heightline	Tri	3083.2	611.345	374909.1	5026851	82.53	0	0
Heightline	Tri	5677.2	611.345	374909.1	5026851	82.53	0	0
Heightline	Tri	3055.3	612.541	374908.9	5026852	82	0	0
Heightline	Tri	3083.1	612.541	374908.9	5026852	82	0	0
Ground	LWPOLYLINE	619.365	374907.9	5026859	0	0	0	
Barrier	Id=1258	619.384	374907.9	5026859	82	0	0	535
Heightline	Tri	3038.3	647.503	374903.8	5026887	82	0	0
Heightline	Tri	3055.2	647.503	374903.8	5026887	82	0	0
Heightline	Tri	3030.1	652.638	374903	5026892	82	0	0
Heightline	Tri	3038.1	652.638	374903	5026892	82	0	0
Heightline	Tri	3030.2	671.7	374900.3	5026910	82	0	0
Heightline	Tri	3040.3	671.7	374900.3	5026910	82	0	0
Heightline	Tri	2975.1	672.531	374900.1	5026911	82	0	0
Heightline	Tri	3040.2	672.531	374900.1	5026911	82	0	0
Heightline	Tri	2814.1	672.82	374900.1	5026912	82	0	0
Heightline	Tri	2975.2	672.82	374900.1	5026912	82	0	0
Heightline	Tri	2814.3	672.89	374900.1	5026912	82	0	0
Heightline	Tri	2816.1	672.89	374900.1	5026912	82	0	0
Heightline	Tri	2754.1	673.637	374900	5026912	82	0	0
Heightline	Tri	2816.3	673.637	374900	5026912	82	0	0
Heightline	Tri	2754.3	675.244	374899.7	5026914	82	0	0
Heightline	Tri	2759.3	675.244	374899.7	5026914	82	0	0
Heightline	Tri	2759.1	682.148	374898.7	5026921	82	0	0
Heightline	Tri	2992.3	682.148	374898.7	5026921	82	0	0
Building	LWPOLYLINE	684.418	374898.4	5026923	82	4.3	0	550

Building	LWPOLYLIN	685.346	374898.3	5026924	82	4.3	0	550
Pointsources	S6	685.754	374898.2	5026924	82	2.7	0	

L(wr)	--	81	83	84	87	89	89	83	72
A(ground)	-5.06	-5.06	-5.06	-5.06	-5.06	-5.06	-5.06	-5.06	-5.06
A(barrier)	15.05	17.39	19.98	22.78	25	25	25	25	25
A(veg)	0	0	0	0	0	0	0	0	0
A(sit)	0	0	0	0	0	0	0	0	0
A(bld)	0	0	0	0	0	0	0	0	0
A(air)	0.02	0.08	0.28	0.72	1.32	2.51	6.63	22.47	80.15
A(geo)	67.72	67.72	67.72	67.72	67.72	67.72	67.72	67.72	67.72
A(refl)	--	--	--	--	--	--	--	-0.97	-0.97
C(meteo)	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19

L(p)	--	--	--	--	--	--	--	-29.29	-97.97	-29.29
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Cross	section	for	receiver	7 (Id=-10753 and	source	S6	(Id=550)
[Reflection in		facade	POLYLINE	(Id=147)]			

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	7	0	375028.7	5026803	82	4.5	0	
Building	POLYLINE	1.135	375028.8	5026802	82	4.77	0	134
Building	POLYLINE	13.249	375029.8	5026790	82	4.77	0	134
Building	POLYLINE	25.226	375030.7	5026778	82	4.64	0	135
Building	POLYLINE	32.955	375031.4	5026770	82	4.64	0	135
Building	POLYLINE	41.705	375032	5026762	82	5.03	0	136
Building	POLYLINE	48.59	375032.6	5026755	82	5.03	0	136
Building	POLYLINE	51.631	375032.8	5026752	82	4.87	0	137
Building	POLYLINE	62.966	375033.7	5026740	82	4.87	0	137
Building(R)	POLYLINE	64.815	375033.9	5026739	82	5.02	0	
Building	POLYLINE	66.613	375032.8	5026740	82	4.87	0	137
Building	POLYLINE	77.644	375026.3	5026749	82	4.87	0	137
Building	POLYLINE	83.536	375022.8	5026754	82	5.03	0	136
Building	POLYLINE	92.505	375017.6	5026761	82	5.03	0	136
Heightline	Tri	3558.1	106.617	375009.2	5026772	82	0	0
Heightline	Tri	3681.2	106.617	375009.2	5026772	82	0	0
Heightline	Tri	3536.1	140.066	374989.5	5026799	82	0	0
Heightline	Tri	3558.3	140.066	374989.5	5026799	82	0	0
Heightline	Tri	3524.1	150.116	374983.6	5026808	82	0	0
Heightline	Tri	3536.3	150.116	374983.6	5026808	82	0	0
Heightline	Tri	3492.1	165.33	374974.6	5026820	82	0	0
Heightline	Tri	3524.3	165.33	374974.6	5026820	82	0	0
Heightline	Tri	3455.2	168.891	374972.5	5026823	82	0	0
Heightline	Tri	3492.2	168.891	374972.5	5026823	82	0	0
Heightline	Tri	3438.2	184.278	374963.4	5026835	82	0	0
Heightline	Tri	3455.1	184.278	374963.4	5026835	82	0	0
Heightline	Tri	3400.2	186.871	374961.9	5026837	82	0	0
Heightline	Tri	3438.3	186.871	374961.9	5026837	82	0	0
Heightline	Tri	3400.3	187.222	374961.7	5026837	82	0	0
Heightline	Tri	3408.2	187.222	374961.7	5026837	82	0	0
Heightline	Tri	3393.1	187.222	374961.7	5026837	82	0	0
Heightline	Tri	3408.3	187.222	374961.7	5026837	82	0	0
Heightline	Tri	3390.2	190.948	374959.5	5026840	82.77	0	0
Heightline	Tri	3393.3	190.948	374959.5	5026840	82.77	0	0
Heightline	Tri	3385.3	192.539	374958.5	5026842	83.06	0	0
Heightline	Tri	3390.1	192.539	374958.5	5026842	83.06	0	0
Heightline	Tri	3385.2	192.555	374958.5	5026842	83.06	0	0
Heightline	Tri	3391.1	192.555	374958.5	5026842	83.06	0	0
Heightline	Tri	3360.3	195.258	374956.9	5026844	83.46	0	0
Heightline	Tri	3391.2	195.258	374956.9	5026844	83.46	0	0
Heightline	Tri	3358.3	199.758	374954.3	5026848	84	0	0
Heightline	Tri	3360.1	199.758	374954.3	5026848	84	0	0
Heightline	Tri	3351.2	199.909	374954.2	5026848	84	0	0
Heightline	Tri	3358.2	199.909	374954.2	5026848	84	0	0
Heightline	Tri	3348.2	199.969	374954.2	5026848	84	0	0

Heightline	Tri	3351.1	199.969	374954.2	5026848	84	0	0
Barrier	Id=1202	202.724	374952.5	5026850	0	84.5	0	533
Heightline	Tri	3336.3	203.389	374952.1	5026851	84	0	0
Heightline	Tri	3348.3	203.389	374952.1	5026851	84	0	0
Heightline	Tri	3336.1	203.389	374952.1	5026851	84	0	0
Heightline	Tri	3355.2	203.389	374952.1	5026851	84	0	0
Heightline	Tri	3297.1	204.54	374951.5	5026851	84	0	0
Heightline	Tri	3355.1	204.54	374951.5	5026851	84	0	0
Heightline	Tri	3297.2	205.738	374950.8	5026852	83.49	0	0
Heightline	Tri	3397.1	205.738	374950.8	5026852	83.49	0	0
Heightline	Tri	3230.3	210.482	374948	5026856	82	0	0
Heightline	Tri	3397.3	210.482	374948	5026856	82	0	0
Barrier	Id=1258	221.099	374941.7	5026865	82	0	0	535
Ground	LWPOLYLINE	221.254	374941.6	5026865	0	0	0	
Heightline	Tri	3196.1	236.225	374932.8	5026877	82	0	0
Heightline	Tri	3230.2	236.225	374932.8	5026877	82	0	0
Heightline	Tri	3052.3	280.997	374906.4	5026913	82	0	0
Heightline	Tri	3196.2	280.997	374906.4	5026913	82	0	0
Heightline	Tri	3033.1	284.033	374904.6	5026916	82	0	0
Heightline	Tri	3052.2	284.033	374904.6	5026916	82	0	0
Heightline	Tri	3033.2	284.976	374904	5026916	82	0	0
Heightline	Tri	3051.3	284.976	374904	5026916	82	0	0
Heightline	Tri	2992.2	285.633	374903.6	5026917	82	0	0
Heightline	Tri	3051.2	285.633	374903.6	5026917	82	0	0
Pointsources	S6	294.83	374898.2	5026924	82	2.7	0	

L(wr)	--	81	83	84	87	89	89	83	72
A(ground)	-3.8	-3.8	-3.8	-3.8	-3.8	-3.8	-3.8	-3.8	-3.8

A(barrier)	8.71	8.92	9.31	9.98	11.06	12.64	14.7	17.14	19.84
A(veg)	0	0	0	0	0	0	0	0	0
A(sit)	0	0	0	0	0	0	0	0	0
A(bld)	0	0	0	0	0	0	0	0	0
A(air)	0.01	0.04	0.12	0.31	0.57	1.08	2.85	9.66	34.46
A(geo)	60.38	60.38	60.38	60.38	60.38	60.38	60.38	60.38	60.38
A(refl)	--	--	--	--	--	--	-0.97	-0.97	-0.97
C(meteo)	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19

L(p)	--	--	--	--	--	--	12.71	-2.55	-41.05 12.84
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Cross section for receiver 7 (Id=-10753 and source S6 (Id=550)
[Reflection in facade POLYLINE (Id=148)]

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	7	0	375028.7	5026803	82	4.5	0	
Building	POLYLINE	1.109	375028.9	5026802	82	4.77	0	134
Building	POLYLINE	15.278	375030.8	5026788	82	4.77	0	134
Building	POLYLINE	26.171	375032.3	5026777	82	4.64	0	135
Building	POLYLINE	31.074	375033	5026772	82	4.64	0	135
Building	POLYLINE	50.983	375035.7	5026753	82	4.87	0	137
Building	POLYLINE	57.952	375036.6	5026746	82	4.87	0	137
Building	POLYLINE	66.853	375037.9	5026737	82	5.02	0	138
Building	POLYLINE	74.715	375038.9	5026729	82	5.02	0	138
Building(R)	POLYLINE	76.727	375039.2	5026727	82	5.04	0	
Building	POLYLINE	78.728	375038.1	5026729	82	5.02	0	138
Building	POLYLINE	89.679	375031.7	5026738	82	5.02	0	138
Building	POLYLINE	91.399	375030.7	5026739	82	4.87	0	137
Building	POLYLINE	102.405	375024.3	5026748	82	4.87	0	137
Building	POLYLINE	110.876	375019.3	5026755	82	5.03	0	136
Building	POLYLINE	115.386	375016.7	5026759	82	5.03	0	136
Heightline	Tri	3558.1	128.736	375009	5026770	82	0	0
Heightline	Tri	3681.2	128.736	375009	5026770	82	0	0
Heightline	Tri	3536.1	162.044	374989.6	5026797	82	0	0
Heightline	Tri	3558.3	162.044	374989.6	5026797	82	0	0
Heightline	Tri	3524.1	172.095	374983.7	5026805	82	0	0
Heightline	Tri	3536.3	172.095	374983.7	5026805	82	0	0

Heightline	Tri	3492.1	187.349	374974.9	5026817	82	0	0	
Heightline	Tri	3524.3	187.349	374974.9	5026817	82	0	0	
Heightline	Tri	3455.2	191.481	374972.5	5026821	82	0	0	
Heightline	Tri	3492.2	191.481	374972.5	5026821	82	0	0	
Heightline	Tri	3438.2	206.933	374963.5	5026833	82	0	0	
Heightline	Tri	3455.1	206.933	374963.5	5026833	82	0	0	
Heightline	Tri	3400.2	211.89	374960.6	5026837	82	0	0	
Heightline	Tri	3438.3	211.89	374960.6	5026837	82	0	0	
Heightline	Tri	3400.3	212.545	374960.2	5026838	82	0	0	
Heightline	Tri	3408.2	212.545	374960.2	5026838	82	0	0	
Heightline	Tri	3393.1	212.545	374960.2	5026838	82	0	0	
Heightline	Tri	3408.3	212.545	374960.2	5026838	82	0	0	
Heightline	Tri	3390.2	214.527	374959	5026839	82.41	0	0	
Heightline	Tri	3393.3	214.527	374959	5026839	82.41	0	0	
Heightline	Tri	3385.3	215.393	374958.5	5026840	82.57	0	0	
Heightline	Tri	3390.1	215.393	374958.5	5026840	82.57	0	0	
Heightline	Tri	3385.2	215.402	374958.5	5026840	82.58	0	0	
Heightline	Tri	3391.1	215.402	374958.5	5026840	82.58	0	0	
Heightline	Tri	3360.3	219.514	374956.1	5026843	83.19	0	0	
Heightline	Tri	3391.2	219.514	374956.1	5026843	83.19	0	0	
Heightline	Tri	3342.3	223.334	374953.9	5026846	83.66	0	0	
Heightline	Tri	3360.2	223.334	374953.9	5026846	83.66	0	0	
Heightline	Tri	3278.1	224.747	374953.1	5026848	84	0	0	
Heightline	Tri	3342.1	224.747	374953.1	5026848	84	0	0	
Heightline	Tri	3278.2	225.988	374952.4	5026849	84	0	0	
Heightline	Tri	3348.1	225.988	374952.4	5026849	84	0	0	
Barrier	Id=1202	227.521	374951.5	5026850	0	84.5	0	533	
Heightline	Tri	3336.3	228.575	374950.9	5026851	84	0	0	
Heightline	Tri	3348.3	228.575	374950.9	5026851	84	0	0	
Heightline	Tri	3336.1	228.575	374950.9	5026851	84	0	0	
Heightline	Tri	3355.2	228.575	374950.9	5026851	84	0	0	
Heightline	Tri	3297.1	229.409	374950.4	5026851	84	0	0	
Heightline	Tri	3355.1	229.409	374950.4	5026851	84	0	0	
Heightline	Tri	3297.2	230.962	374949.5	5026853	83.34	0	0	
Heightline	Tri	3397.1	230.962	374949.5	5026853	83.34	0	0	
Heightline	Tri	3230.3	235.192	374947	5026856	82	0	0	
Heightline	Tri	3397.3	235.192	374947	5026856	82	0	0	
Barrier	Id=1258	245.721	374940.9	5026865	82	0	0	535	
Ground	LWPOLYLIN	245.741	374940.9	5026865	0	0	0		
Heightline	Tri	3196.1	258.988	374933.2	5026875	82	0	0	
Heightline	Tri	3230.2	258.988	374933.2	5026875	82	0	0	
Heightline	Tri	3052.3	305.257	374906.3	5026913	82	0	0	
Heightline	Tri	3196.2	305.257	374906.3	5026913	82	0	0	
Heightline	Tri	3033.1	308.223	374904.5	5026916	82	0	0	
Heightline	Tri	3052.2	308.223	374904.5	5026916	82	0	0	
Heightline	Tri	3033.2	309.195	374904	5026916	82	0	0	
Heightline	Tri	3051.3	309.195	374904	5026916	82	0	0	
Heightline	Tri	2992.2	309.835	374903.6	5026917	82	0	0	
Heightline	Tri	3051.2	309.835	374903.6	5026917	82	0	0	
Pointsources	S6	319.1	374898.2	5026924	82	2.7	0		
L(wr)	--	81	83	84	87	89	89	83	72
A(ground)	-3.97	-3.97	-3.97	-3.97	-3.97	-3.97	-3.97	-3.97	-3.97
A(barrier)	8.89	9.11	9.5	10.16	11.24	12.82	14.89	17.34	20.04
A(veg)	0	0	0	0	0	0	0	0	0
A(sit)	0	0	0	0	0	0	0	0	0
A(bld)	0	0	0	0	0	0	0	0	0
A(air)	0.01	0.04	0.13	0.33	0.62	1.17	3.08	10.46	37.3
A(geo)	61.07	61.07	61.07	61.07	61.07	61.07	61.07	61.07	61.07
A(refl)	--	--	--	--	--	--	-0.97	-0.97	-0.97
C(meteo)	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
L(p)	--	--	--	--	--	--	11.76	-4.06	-44.6 11.88

Cross section for receiver 7 (Id=-10753 and source S6 (Id=550)

[Reflection in facade POLYLINE (Id=149)]

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	7	0	375028.7	5026803	82	4.5	0	
Building	POLYLINE	1.1	375028.9	5026802	82	4.77	0	134
Building	POLYLINE	16.317	375031.3	5026787	82	4.77	0	134
Building	POLYLINE	26.734	375033	5026777	82	4.64	0	135
Building	POLYLINE	30.055	375033.5	5026774	82	4.64	0	135
Building	POLYLINE	54.565	375037.5	5026749	82	4.87	0	137
Building	POLYLINE	57.553	375037.9	5026746	82	4.87	0	137
Building	POLYLINE	67.688	375039.6	5026736	82	5.02	0	138
Building	POLYLINE	74.283	375040.6	5026730	82	5.02	0	138
Building	POLYLINE	76.306	375040.9	5026728	82	5.04	0	139
Building	POLYLINE	86.677	375042.6	5026718	82	5.04	0	139
Building(R)	POLYLINE	88.874	375042.9	5026716	82	4.96	0	
Building	POLYLINE	91.076	375041.7	5026717	82	5.04	0	139
Building	POLYLINE	101.467	375035.8	5026726	82	5.04	0	139
Building	POLYLINE	103.416	375034.7	5026727	82	5.02	0	138
Building	POLYLINE	114.284	375028.5	5026736	82	5.02	0	138
Building	POLYLINE	116	375027.5	5026738	82	4.87	0	137
Building	POLYLINE	126.971	375021.2	5026747	82	4.87	0	137
Heightline	Tri	3558.1	149.277	375008.5	5026765	82	0	0
Heightline	Tri	3681.2	149.277	375008.5	5026765	82	0	0
Heightline	Tri	3536.1	182.344	374989.7	5026792	82	0	0
Heightline	Tri	3558.3	182.344	374989.7	5026792	82	0	0
Heightline	Tri	3524.1	192.39	374984	5026801	82	0	0
Heightline	Tri	3536.3	192.39	374984	5026801	82	0	0
Heightline	Tri	3492.1	207.696	374975.3	5026813	82	0	0
Heightline	Tri	3524.3	207.696	374975.3	5026813	82	0	0
Heightline	Tri	3455.2	212.746	374972.4	5026817	82	0	0
Heightline	Tri	3492.2	212.746	374972.4	5026817	82	0	0
Heightline	Tri	3438.2	228.291	374963.5	5026830	82	0	0
Heightline	Tri	3455.1	228.291	374963.5	5026830	82	0	0
Heightline	Tri	3400.2	236.846	374958.7	5026837	82	0	0
Heightline	Tri	3438.3	236.846	374958.7	5026837	82	0	0
Heightline	Tri	3400.1	237.813	374958.1	5026838	82	0	0
Heightline	Tri	3402.1	237.813	374958.1	5026838	82	0	0
Heightline	Tri	3376.3	238.227	374957.9	5026838	82	0	0
Heightline	Tri	3402.2	238.227	374957.9	5026838	82	0	0
Heightline	Tri	3376.2	238.227	374957.9	5026838	82	0	0
Heightline	Tri	3391.3	238.227	374957.9	5026838	82	0	0
Heightline	Tri	3360.3	243.352	374955	5026842	82.78	0	0
Heightline	Tri	3391.2	243.352	374955	5026842	82.78	0	0
Heightline	Tri	3342.3	245.908	374953.5	5026845	83.11	0	0
Heightline	Tri	3360.2	245.908	374953.5	5026845	83.11	0	0
Heightline	Tri	3278.1	249.553	374951.4	5026848	84	0	0
Heightline	Tri	3342.1	249.553	374951.4	5026848	84	0	0
Barrier	Id=1202	252.159	374949.9	5026850	0	84.5	0	533
Heightline	Tri	3278.2	252.619	374949.7	5026850	84	0	0
Heightline	Tri	3348.1	252.619	374949.7	5026850	84	0	0
Heightline	Tri	3336.3	253.77	374949	5026851	84	0	0
Heightline	Tri	3348.3	253.77	374949	5026851	84	0	0
Heightline	Tri	3336.1	253.77	374949	5026851	84	0	0
Heightline	Tri	3355.2	253.77	374949	5026851	84	0	0
Heightline	Tri	3297.1	254.148	374948.8	5026851	84	0	0
Heightline	Tri	3355.1	254.148	374948.8	5026851	84	0	0
Heightline	Tri	3297.2	256.209	374947.6	5026853	83.11	0	0
Heightline	Tri	3397.1	256.209	374947.6	5026853	83.11	0	0
Heightline	Tri	3230.3	259.702	374945.6	5026856	82	0	0
Heightline	Tri	3397.3	259.702	374945.6	5026856	82	0	0
Barrier	Id=1258	270.105	374939.7	5026864	82	0	0	535
Ground	LWPOLYLINE	270.123	374939.7	5026865	0	0	0	
Heightline	Tri	3196.1	280.458	374933.8	5026873	82	0	0
Heightline	Tri	3230.2	280.458	374933.8	5026873	82	0	0
Heightline	Tri	3052.3	329.117	374906.1	5026913	82	0	0
Heightline	Tri	3196.2	329.117	374906.1	5026913	82	0	0
Heightline	Tri	3033.1	331.977	374904.5	5026915	82	0	0

Heightline	Tri	3052.2	331.977	374904.5	5026915	82	0	0	
Heightline	Tri	3033.2	332.993	374903.9	5026916	82	0	0	
Heightline	Tri	3051.3	332.993	374903.9	5026916	82	0	0	
Heightline	Tri	2992.2	333.608	374903.5	5026917	82	0	0	
Heightline	Tri	3051.2	333.608	374903.5	5026917	82	0	0	
Pointsources	S6	342.978	374898.2	5026924	82	2.7	0		
L(wr)	--	81	83	84	87	89	89	83	72
A(ground)	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11
A(barrier)	9.03	9.23	9.59	10.22	11.25	12.78	14.81	17.22	19.9
A(veg)	0	0	0	0	0	0	0	0	0
A(sit)	0	0	0	0	0	0	0	0	0
A(bld)	0	0	0	0	0	0	0	0	0
A(air)	0.01	0.04	0.14	0.36	0.66	1.25	3.31	11.24	40.09
A(geo)	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
A(refl)	--	--	--	--	--	--	-0.97	-0.97	-0.97
C(meteo)	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
L(p)	--	--	--	--	--	--	11.13	-5.21	-47.74 11.23

Cross section for receiver 7 (Id=-10753 and source S6 (Id=550)
[Reflection in facade POLYLINE (Id=150)]

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	7	0	375028.7	5026803	82	4.5	0	
Building	POLYLINE	1.093	375028.9	5026802	82	4.77	0	134
Building	POLYLINE	17.213	375031.8	5026786	82	4.77	0	134
Building	POLYLINE	27.272	375033.6	5026776	82	4.64	0	135
Building	POLYLINE	29.335	375033.9	5026774	82	4.64	0	135
Building	POLYLINE	67.44	375040.7	5026737	82	5.02	0	138
Building	POLYLINE	73.985	375041.9	5026730	82	5.02	0	138
Building	POLYLINE	76.017	375042.2	5026728	82	5.04	0	139
Building	POLYLINE	86.349	375044.1	5026718	82	5.04	0	139
Building	POLYLINE	88.53	375044.4	5026716	82	4.96	0	140
Building	POLYLINE	99.183	375046.3	5026706	82	4.96	0	140
Building(R)	POLYLINE	101.159	375046.7	5026704	82	4.88	0	
Building	POLYLINE	103.14	375045.6	5026705	82	4.96	0	140
Building	POLYLINE	113.798	375039.6	5026714	82	4.96	0	140
Building	POLYLINE	116.008	375038.4	5026716	82	5.04	0	139
Building	POLYLINE	126.368	375032.6	5026725	82	5.04	0	139
Building	POLYLINE	128.27	375031.5	5026726	82	5.02	0	138
Building	POLYLINE	139.064	375025.5	5026735	82	5.02	0	138
Building	POLYLINE	140.777	375024.6	5026737	82	4.87	0	137
Building	POLYLINE	148.203	375020.4	5026743	82	4.87	0	137
Heightline	Tri	3558.1	170.218	375008.1	5026761	82	0	0
Heightline	Tri	3681.2	170.218	375008.1	5026761	82	0	0
Heightline	Tri	3536.1	203.027	374989.8	5026788	82	0	0
Heightline	Tri	3558.3	203.027	374989.8	5026788	82	0	0
Heightline	Tri	3524.1	213.058	374984.2	5026797	82	0	0
Heightline	Tri	3536.3	213.058	374984.2	5026797	82	0	0
Heightline	Tri	3492.1	228.401	374975.7	5026809	82	0	0
Heightline	Tri	3524.3	228.401	374975.7	5026809	82	0	0
Heightline	Tri	3455.2	234.373	374972.3	5026814	82	0	0
Heightline	Tri	3492.2	234.373	374972.3	5026814	82	0	0
Heightline	Tri	3438.2	250.002	374963.6	5026827	82	0	0
Heightline	Tri	3455.1	250.002	374963.6	5026827	82	0	0
Heightline	Tri	3400.2	261.958	374956.9	5026837	82	0	0
Heightline	Tri	3438.3	261.958	374956.9	5026837	82	0	0
Heightline	Tri	3400.1	262.832	374956.4	5026838	82	0	0
Heightline	Tri	3402.1	262.832	374956.4	5026838	82	0	0
Heightline	Tri	3376.3	264.825	374955.3	5026839	82	0	0
Heightline	Tri	3402.2	264.825	374955.3	5026839	82	0	0
Heightline	Tri	3376.2	264.825	374955.3	5026839	82	0	0
Heightline	Tri	3391.3	264.825	374955.3	5026839	82	0	0
Heightline	Tri	3360.3	267.455	374953.9	5026842	82.41	0	0

Heightline	Tri	3391.2	267.455	374953.9	5026842	82.41	0	0
Heightline	Tri	3342.3	268.815	374953.1	5026843	82.59	0	0
Heightline	Tri	3360.2	268.815	374953.1	5026843	82.59	0	0
Heightline	Tri	3278.1	274.533	374949.9	5026848	84	0	0
Heightline	Tri	3342.1	274.533	374949.9	5026848	84	0	0
Barrier	Id=1202	276.989	374948.5	5026850	0	84.5	0	533
Heightline	Tri	3278.3	279.017	374947.4	5026851	84	0	0
Heightline	Tri	3305.3	279.017	374947.4	5026851	84	0	0
Heightline	Tri	3305.1	279.052	374947.4	5026851	84	0	0
Heightline	Tri	3306.1	279.052	374947.4	5026851	84	0	0
Heightline	Tri	3289.2	279.052	374947.4	5026851	84	0	0
Heightline	Tri	3306.3	279.052	374947.4	5026851	84	0	0
Heightline	Tri	3289.3	279.126	374947.3	5026851	83.98	0	0
Heightline	Tri	3297.3	279.126	374947.3	5026851	83.98	0	0
Heightline	Tri	3297.2	281.576	374946	5026853	82.91	0	0
Heightline	Tri	3397.1	281.576	374946	5026853	82.91	0	0
Heightline	Tri	3230.3	284.418	374944.4	5026856	82	0	0
Heightline	Tri	3397.3	284.418	374944.4	5026856	82	0	0
Barrier	Id=1258	294.709	374938.6	5026864	82	0	0	535
Ground	LWPOLYLIN	294.726	374938.6	5026864	0	0	0	
Heightline	Tri	3196.1	302.208	374934.5	5026871	82	0	0
Heightline	Tri	3230.2	302.208	374934.5	5026871	82	0	0
Heightline	Tri	3052.3	353.256	374906	5026913	82	0	0
Heightline	Tri	3196.2	353.256	374906	5026913	82	0	0
Heightline	Tri	3033.1	356.018	374904.4	5026915	82	0	0
Heightline	Tri	3052.2	356.018	374904.4	5026915	82	0	0
Heightline	Tri	3033.2	357.076	374903.8	5026916	82	0	0
Heightline	Tri	3051.3	357.076	374903.8	5026916	82	0	0
Heightline	Tri	2992.2	357.667	374903.5	5026917	82	0	0
Heightline	Tri	3051.2	357.667	374903.5	5026917	82	0	0
Pointsources	S6	367.137	374898.2	5026924	82	2.7	0	

L(wr)	--	81	83	84	87	89	89	83	72
A(ground)	-4.23	-4.23	-4.23	-4.23	-4.23	-4.23	-4.23	-4.23	-4.23
A(barrier)	9.16	9.36	9.72	10.35	11.38	12.91	14.93	17.35	20.03
A(veg)	0	0	0	0	0	0	0	0	0
A(sit)	0	0	0	0	0	0	0	0	0
A(bld)	0	0	0	0	0	0	0	0	0
A(air)	0.01	0.04	0.15	0.38	0.71	1.34	3.55	12.03	42.91
A(geo)	62.29	62.29	62.29	62.29	62.29	62.29	62.29	62.29	62.29
A(refl)	--	--	--	--	--	--	--	-0.97	-0.97
C(meteo)	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
L(p)	--	--	--	--	--	--	--	-6.6	-51.16 -6.6

Cross section for receiver 7 (Id=-10753 and source S6 (Id=550)
[Reflection in facade POLYLINE (Id=485)]

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	7	0	375028.7	5026803	82	4.5	0	
Building	POLYLINE	1.039	375029.2	5026802	82	4.77	0	134
Building	POLYLINE	17.72	375036.7	5026787	82	4.77	0	134
Building	POLYLINE	139.91	375091.4	5026678	82	5.15	0	99
Building	POLYLINE	156.084	375098.7	5026664	82	5.15	0	99
Heightline	Tri	3681.3	183.936	375111.2	5026639	82	0	0
Heightline	Tri	3984.3	183.936	375111.2	5026639	82	0	0
Heightline	Tri	3582.3	193.642	375115.5	5026630	82	0	0
Heightline	Tri	3984.1	193.642	375115.5	5026630	82	0	0
Heightline	Tri	3582.2	194.67	375116	5026629	82	0	0
Heightline	Tri	3921.3	194.67	375116	5026629	82	0	0
Heightline	Tri	3921.2	202.837	375119.6	5026622	82	0	0
Heightline	Tri	4032.2	202.837	375119.6	5026622	82	0	0
Building	POLYLINE	203.015	375119.7	5026622	82	5.83	0	80
Heightline	Tri	3962.2	205.623	375120.9	5026619	82	0	0
Heightline	Tri	4032.3	205.623	375120.9	5026619	82	0	0

Heightline	Tri	3962.1	205.812	375121	5026619	82	0	0
Heightline	Tri	4033.3	205.812	375121	5026619	82	0	0
Heightline	Tri	4029.1	205.888	375121	5026619	82	0	0
Heightline	Tri	4033.1	205.888	375121	5026619	82	0	0
Heightline	Tri	4020.2	206.541	375121.3	5026619	82	0	0
Heightline	Tri	4029.2	206.541	375121.3	5026619	82	0	0
Heightline	Tri	3994.1	206.654	375121.3	5026619	82	0	0
Heightline	Tri	4020.3	206.654	375121.3	5026619	82	0	0
Heightline	Tri	3994.3	207.777	375121.8	5026618	82	0	0
Heightline	Tri	3996.3	207.777	375121.8	5026618	82	0	0
Heightline	Tri	3996.2	208.736	375122.3	5026617	82	0	0
Heightline	Tri	4021.2	208.736	375122.3	5026617	82	0	0
Building	POLYLINE	212.599	375124	5026613	82	5.83	0	80
Heightline	Tri	4021.3	214.306	375124.8	5026612	82	0	0
Heightline	Tri	4023.3	214.306	375124.8	5026612	82	0	0
Heightline	Tri	4023.2	217.135	375126	5026609	82	0	0
Heightline	Tri	4028.3	217.135	375126	5026609	82	0	0
Heightline	Tri	4028.2	217.454	375126.2	5026609	82	0	0
Heightline	Tri	4041.2	217.454	375126.2	5026609	82	0	0
Heightline	Tri	4027.2	221.173	375127.8	5026606	82	0	0
Heightline	Tri	4041.3	221.173	375127.8	5026606	82	0	0
Heightline	Tri	4018.1	222.474	375128.4	5026604	82	0	0
Heightline	Tri	4027.1	222.474	375128.4	5026604	82	0	0
Heightline	Tri	4018.3	223.091	375128.7	5026604	82	0	0
Heightline	Tri	4038.3	223.091	375128.7	5026604	82	0	0
Heightline	Tri	4038.2	224.86	375129.5	5026602	82	0	0
Heightline	Tri	4042.2	224.86	375129.5	5026602	82	0	0
Heightline	Tri	4042.3	231.997	375132.7	5026596	82	0	0
Heightline	Tri	4097.2	231.997	375132.7	5026596	82	0	0
Heightline	Tri	4097.1	242.003	375137.2	5026587	82	0	0
Heightline	Tri	4098.3	242.003	375137.2	5026587	82	0	0
Building	POLYLINE	252.636	375141.9	5026577	82.16	6.63	0	488
Heightline	Tri	4098.1	253.673	375142.4	5026576	82.26	0	0
Heightline	Tri	4304.2	253.673	375142.4	5026576	82.26	0	0
Building	POLYLINE	262.159	375146.2	5026569	82.16	6.63	0	488
Building	POLYLINE	270.418	375149.9	5026562	82.22	6.62	0	487
Building	POLYLINE	281.208	375154.7	5026552	82.22	6.62	0	487
Building	POLYLINE	283.587	375155.8	5026550	82.98	6.03	0	486
Heightline	Tri	4304.1	286.28	375157	5026547	82.68	0	0
Heightline	Tri	4376.3	286.28	375157	5026547	82.68	0	0
Heightline	Tri	4376.1	288.585	375158.1	5026545	82.71	0	0
Heightline	Tri	4394.3	288.585	375158.1	5026545	82.71	0	0
Building	POLYLINE	294.07	375160.5	5026540	82.98	6.03	0	486
Heightline	Tri	4379.2	294.491	375160.7	5026540	82.78	0	0
Heightline	Tri	4394.1	294.491	375160.7	5026540	82.78	0	0
Building	POLYLINE	296.186	375161.5	5026538	83.12	5.9	0	485
Building	POLYLINE	306.498	375166.1	5026529	83.12	5.9	0	485
Building	POLYLINE	308.605	375167	5026527	83.08	6.1	0	484
Heightline	Tri	4095.1	311.208	375168.2	5026525	83.07	0	0
Heightline	Tri	4379.3	311.208	375168.2	5026525	83.07	0	0
Heightline	Tri	4093.2	315.821	375170.3	5026521	83.18	0	0
Heightline	Tri	4095.3	315.821	375170.3	5026521	83.18	0	0
Building	POLYLINE	319.555	375171.9	5026518	83.08	6.1	0	484
Building	POLYLINE	323.101	375173.5	5026514	83.41	5.8	0	483
Building	POLYLINE	332.39	375177.7	5026506	83.41	5.8	0	483
Building	POLYLINE	341.039	375181.6	5026498	83.76	5.52	0	482
Building	POLYLINE	345.337	375183.5	5026495	83.76	5.52	0	482
Heightline	Tri	4093.1	348.032	375184.7	5026492	84	0	0
Heightline	Tri	4094.1	348.032	375184.7	5026492	84	0	0
Heightline	Tri	4094.3	348.132	375184.7	5026492	84	0	0
Heightline	Tri	4363.2	348.132	375184.7	5026492	84	0	0
Heightline	Tri	4363.3	359.183	375189.7	5026482	84	0	0
Heightline	Tri	4371.2	359.183	375189.7	5026482	84	0	0
Heightline	Tri	4101.2	366.155	375192.8	5026476	84	0	0
Heightline	Tri	4371.3	366.155	375192.8	5026476	84	0	0
Heightline	Tri	4101.1	366.298	375192.9	5026476	84	0	0
Heightline	Tri	4180.2	366.298	375192.9	5026476	84	0	0

Heightline	Tri	4180.1	369.502	375194.3	5026473	84	0	0
Heightline	Tri	4224.2	369.502	375194.3	5026473	84	0	0
Heightline	Tri	4224.1	371.254	375195.1	5026471	84	0	0
Heightline	Tri	4384.1	371.254	375195.1	5026471	84	0	0
Heightline	Tri	4364.1	377.137	375197.7	5026466	84	0	0
Heightline	Tri	4384.2	377.137	375197.7	5026466	84	0	0
Heightline	Tri	4364.3	385.115	375201.3	5026459	84	0	0
Heightline	Tri	4392.1	385.115	375201.3	5026459	84	0	0
Heightline	Tri	4392.2	392.522	375204.6	5026452	84	0	0
Heightline	Tri	4393.2	392.522	375204.6	5026452	84	0	0
Heightline	Tri	4393.1	392.522	375204.6	5026452	84	0	0
Heightline	Tri	4412.1	392.522	375204.6	5026452	84	0	0
Heightline	Tri	4412.3	393.673	375205.1	5026451	84	0	0
Heightline	Tri	4446.1	393.673	375205.1	5026451	84	0	0
Heightline	Tri	4430.1	394.518	375205.5	5026451	84	0	0
Heightline	Tri	4446.2	394.518	375205.5	5026451	84	0	0
Heightline	Tri	4430.3	399.317	375207.7	5026446	84	0	0
Heightline	Tri	4448.2	399.317	375207.7	5026446	84	0	0
Building(R)	POLYLINE	406.229	375210.8	5026440	84	6.44	0	
Heightline	Tri	4430.3	412.397	375207.4	5026445	84	0	0
Heightline	Tri	4448.2	412.397	375207.4	5026445	84	0	0
Heightline	Tri	4430.1	418.962	375203.9	5026451	84	0	0
Heightline	Tri	4446.2	418.962	375203.9	5026451	84	0	0
Heightline	Tri	4412.3	419.423	375203.6	5026451	84	0	0
Heightline	Tri	4446.1	419.423	375203.6	5026451	84	0	0
Heightline	Tri	4393.1	421.599	375202.4	5026453	84	0	0
Heightline	Tri	4412.1	421.599	375202.4	5026453	84	0	0
Heightline	Tri	4392.2	421.599	375202.4	5026453	84	0	0
Heightline	Tri	4393.2	421.599	375202.4	5026453	84	0	0
Heightline	Tri	4364.3	423.388	375201.5	5026455	84	0	0
Heightline	Tri	4392.1	423.388	375201.5	5026455	84	0	0
Heightline	Tri	4364.1	433.555	375196	5026463	84	0	0
Heightline	Tri	4384.2	433.555	375196	5026463	84	0	0
Heightline	Tri	4224.1	438.379	375193.3	5026467	84	0	0
Heightline	Tri	4384.1	438.379	375193.3	5026467	84	0	0
Heightline	Tri	4180.1	441.192	375191.8	5026469	84	0	0
Heightline	Tri	4224.2	441.192	375191.8	5026469	84	0	0
Heightline	Tri	4101.1	446.892	375188.7	5026474	84	0	0
Heightline	Tri	4180.2	446.892	375188.7	5026474	84	0	0
Heightline	Tri	4101.2	447.165	375188.6	5026474	84	0	0
Heightline	Tri	4371.3	447.165	375188.6	5026474	84	0	0
Heightline	Tri	4363.3	453.641	375185.1	5026480	84	0	0
Heightline	Tri	4371.2	453.641	375185.1	5026480	84	0	0
Heightline	Tri	4094.3	463.557	375179.7	5026488	84	0	0
Heightline	Tri	4363.2	463.557	375179.7	5026488	84	0	0
Heightline	Tri	4093.1	463.693	375179.6	5026488	84	0	0
Heightline	Tri	4094.1	463.693	375179.6	5026488	84	0	0
Building	POLYLINE	465.127	375178.8	5026490	83.76	5.52	0	482
Building	POLYLINE	477.916	375171.9	5026500	83.76	5.52	0	482
Building	POLYLINE	482.272	375169.5	5026504	83.41	5.8	0	483
Building	POLYLINE	491.838	375164.3	5026512	83.41	5.8	0	483
Building	POLYLINE	498.815	375160.6	5026518	83.08	6.1	0	484
Building	POLYLINE	505.556	375156.9	5026524	83.08	6.1	0	484
Building	POLYLINE	508.195	375155.5	5026526	83.12	5.9	0	485
Building	POLYLINE	510.107	375154.4	5026527	83.12	5.9	0	485
Heightline	Tri	4093.2	519.235	375149.5	5026535	82.57	0	0
Heightline	Tri	4095.3	519.235	375149.5	5026535	82.57	0	0
Heightline	Tri	4095.1	529.701	375143.8	5026544	82.32	0	0
Heightline	Tri	4379.3	529.701	375143.8	5026544	82.32	0	0
Heightline	Tri	4379.2	535.399	375140.7	5026549	82.2	0	0
Heightline	Tri	4394.1	535.399	375140.7	5026549	82.2	0	0
Heightline	Tri	4376.1	537.123	375139.8	5026550	82.18	0	0
Heightline	Tri	4394.3	537.123	375139.8	5026550	82.18	0	0
Heightline	Tri	4304.1	537.761	375139.4	5026551	82.17	0	0
Heightline	Tri	4376.3	537.761	375139.4	5026551	82.17	0	0
Heightline	Tri	4080.1	548.589	375133.6	5026560	82	0	0
Heightline	Tri	4304.3	548.589	375133.6	5026560	82	0	0

Heightline	Tri	4080.3	548.595	375133.6	5026560	82	0	0
Heightline	Tri	4082.3	548.595	375133.6	5026560	82	0	0
Heightline	Tri	4051.3	556.149	375129.5	5026566	82	0	0
Heightline	Tri	4082.1	556.149	375129.5	5026566	82	0	0
Heightline	Tri	4044.3	557.575	375128.7	5026567	82	0	0
Heightline	Tri	4051.2	557.575	375128.7	5026567	82	0	0
Heightline	Tri	4016.3	562.755	375125.9	5026572	82	0	0
Heightline	Tri	4044.1	562.755	375125.9	5026572	82	0	0
Heightline	Tri	3993.3	564.404	375125	5026573	82	0	0
Heightline	Tri	4016.1	564.404	375125	5026573	82	0	0
Heightline	Tri	3989.3	564.404	375125	5026573	82	0	0
Heightline	Tri	3993.1	564.404	375125	5026573	82	0	0
Heightline	Tri	3988.2	566.383	375123.9	5026575	82	0	0
Heightline	Tri	3989.1	566.383	375123.9	5026575	82	0	0
Heightline	Tri	3988.1	573.259	375120.2	5026580	82	0	0
Heightline	Tri	3991.3	573.259	375120.2	5026580	82	0	0
Heightline	Tri	3991.1	580.712	375116.2	5026587	82	0	0
Heightline	Tri	4014.2	580.712	375116.2	5026587	82	0	0
Building	POLYLINE	585.568	375113.5	5026591	82	6.33	0	78
Heightline	Tri	3968.2	589.713	375111.3	5026594	82	0	0
Heightline	Tri	4014.1	589.713	375111.3	5026594	82	0	0
Building	POLYLINE	600.084	375105.6	5026603	82	6.33	0	78
Heightline	Tri	3942.2	604.994	375103	5026607	82	0	0
Heightline	Tri	3968.1	604.994	375103	5026607	82	0	0
Heightline	Tri	3942.3	605.321	375102.8	5026607	82	0	0
Heightline	Tri	3964.3	605.321	375102.8	5026607	82	0	0
Heightline	Tri	3962.3	605.659	375102.6	5026608	82	0	0
Heightline	Tri	3964.1	605.659	375102.6	5026608	82	0	0
Heightline	Tri	3962.2	606.181	375102.3	5026608	82	0	0
Heightline	Tri	4032.3	606.181	375102.3	5026608	82	0	0
Heightline	Tri	3921.2	606.32	375102.3	5026608	82	0	0
Heightline	Tri	4032.2	606.32	375102.3	5026608	82	0	0
Heightline	Tri	3582.2	627.121	375091	5026626	82	0	0
Heightline	Tri	3921.3	627.121	375091	5026626	82	0	0
Building	POLYLINE	628.973	375090	5026627	82	5.27	0	97
Heightline	Tri	3582.3	629.924	375089.5	5026628	82	0	0
Heightline	Tri	3984.1	629.924	375089.5	5026628	82	0	0
Building	POLYLINE	634.335	375087.1	5026632	82	5.27	0	97
Building	POLYLINE	634.52	375087	5026632	82	5.27	0	97
Heightline	Tri	3681.3	637.859	375085.2	5026635	82	0	0
Heightline	Tri	3984.3	637.859	375085.2	5026635	82	0	0
Building	POLYLINE	640.014	375084	5026637	82	5.27	0	97
Building	POLYLINE	680.923	375061.8	5026671	82	4.81	0	143
Building	POLYLINE	686.587	375058.7	5026676	82	4.81	0	143
Building	POLYLINE	693.069	375055.2	5026681	82	4.9	0	142
Building	POLYLINE	704.195	375049.2	5026690	82	4.9	0	142
Building	POLYLINE	707.137	375047.6	5026693	82	4.88	0	141
Building	POLYLINE	717.656	375041.9	5026702	82	4.88	0	141
Building	POLYLINE	719.865	375040.7	5026704	82	4.96	0	140
Building	POLYLINE	722.398	375039.3	5026706	82	4.96	0	140
Building	POLYLINE	723.261	375038.9	5026706	82	4.96	0	140
Building	POLYLINE	728.16	375036.2	5026711	82	4.96	0	140
Building	POLYLINE	732.481	375033.9	5026714	82	5.04	0	139
Building	POLYLINE	735.373	375032.3	5026717	82	5.04	0	139
Building	POLYLINE	735.605	375032.2	5026717	82	5.04	0	139
Building	POLYLINE	739.633	375030	5026720	82	5.04	0	139
Heightline	Tri	3558.1	780.982	375007.6	5026755	82	0	0
Heightline	Tri	3681.2	780.982	375007.6	5026755	82	0	0
Heightline	Tri	3536.1	813.367	374990	5026782	82	0	0
Heightline	Tri	3558.3	813.367	374990	5026782	82	0	0
Heightline	Tri	3524.1	823.362	374984.6	5026791	82	0	0
Heightline	Tri	3536.3	823.362	374984.6	5026791	82	0	0
Heightline	Tri	3492.1	838.734	374976.2	5026803	82	0	0
Heightline	Tri	3524.3	838.734	374976.2	5026803	82	0	0
Heightline	Tri	3455.2	846.127	374972.2	5026810	82	0	0
Heightline	Tri	3492.2	846.127	374972.2	5026810	82	0	0
Heightline	Tri	3438.2	861.866	374963.7	5026823	82	0	0

Heightline Tri	3455.1	861.866	374963.7	5026823	82	0	0
Heightline Tri	3400.2	878.707	374954.6	5026837	82	0	0
Heightline Tri	3438.3	878.707	374954.6	5026837	82	0	0
Heightline Tri	3400.1	879.456	374954.1	5026838	82	0	0
Heightline Tri	3402.1	879.456	374954.1	5026838	82	0	0
Heightline Tri	3380.2	882.97	374952.2	5026841	82	0	0
Heightline Tri	3402.3	882.97	374952.2	5026841	82	0	0
Heightline Tri	3312.3	883.045	374952.2	5026841	82	0	0
Heightline Tri	3380.3	883.045	374952.2	5026841	82	0	0
Heightline Tri	3312.1	883.793	374951.8	5026841	82.18	0	0
Heightline Tri	3342.2	883.793	374951.8	5026841	82.18	0	0
Heightline Tri	3278.1	891.106	374947.8	5026847	84	0	0
Heightline Tri	3342.1	891.106	374947.8	5026847	84	0	0
Barrier Id=1202	893.361	374946.6	5026849	0	84.5	0	533
Heightline Tri	3278.3	894.239	374946.1	5026850	84	0	0
Heightline Tri	3305.3	894.239	374946.1	5026850	84	0	0
Heightline Tri	3270.2	894.905	374945.8	5026851	84	0	0
Heightline Tri	3305.2	894.905	374945.8	5026851	84	0	0
Heightline Tri	3270.3	895.141	374945.6	5026851	84	0	0
Heightline Tri	3271.1	895.141	374945.6	5026851	84	0	0
Heightline Tri	3271.2	895.628	374945.4	5026851	83.84	0	0
Heightline Tri	3289.1	895.628	374945.4	5026851	83.84	0	0
Heightline Tri	3289.3	896.981	374944.6	5026852	83.38	0	0
Heightline Tri	3297.3	896.981	374944.6	5026852	83.38	0	0
Heightline Tri	3297.2	898.658	374943.7	5026854	82.64	0	0
Heightline Tri	3397.1	898.658	374943.7	5026854	82.64	0	0
Heightline Tri	3230.3	900.639	374942.7	5026856	82	0	0
Heightline Tri	3397.3	900.639	374942.7	5026856	82	0	0
Barrier Id=1258	910.781	374937.2	5026864	82	0	0	535
Ground LWPOLYLIN	910.796	374937.2	5026864	0	0	0	
Heightline Tri	3196.1	913.995	374935.4	5026867	82	0	0
Heightline Tri	3230.2	913.995	374935.4	5026867	82	0	0
Heightline Tri	3052.3	968.708	374905.7	5026913	82	0	0
Heightline Tri	3196.2	968.708	374905.7	5026913	82	0	0
Heightline Tri	3033.1	971.329	374904.3	5026915	82	0	0
Heightline Tri	3052.2	971.329	374904.3	5026915	82	0	0
Heightline Tri	3033.2	972.448	374903.7	5026916	82	0	0
Heightline Tri	3051.3	972.448	374903.7	5026916	82	0	0
Heightline Tri	2992.2	973.004	374903.4	5026916	82	0	0
Heightline Tri	3051.2	973.004	374903.4	5026916	82	0	0
Pointsources6	982.62	374898.2	5026924	82	2.7	0	

L(wr)	--	81	83	84	87	89	89	83	72
A(ground)	-5.34	-5.34	-5.34	-5.34	-5.34	-5.34	-5.34	-5.34	-5.34
A(barrier)	10.36	10.6	11.04	11.8	13.01	14.74	16.92	19.46	22.21
A(veg)	0	0	0	0	0	0	0	0	0
A(sit)	0	0	0	0	0	0	0	0	0
A(bld)	0	0	0	0	0	0	0	0	0
A(air)	0.03	0.12	0.4	1.03	1.89	3.59	9.5	32.2	114.85
A(geo)	70.84	70.84	70.84	70.84	70.84	70.84	70.84	70.84	70.84
A(refl)	--	--	--	--	--	--	--	-0.97	-0.97
C(meteo)	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19

L(p) -- -- -- -- -- -- -- -36.32 -132.72 | -36.32

Cross section for receiver 7 (Id=-10753 and source S6 (Id=550)
[Reflection in facade POLYLINE (Id=536)]

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	7	0	375028.7	5026803	82	4.5	0	
Building	POLYLINE	1.506	375030.2	5026803	82	4.77	0	134
Building	POLYLINE	2.994	375031.6	5026802	82	4.77	0	134
Building	POLYLINE	5.853	375034.4	5026802	82	4.77	0	134
Building	POLYLINE	7.03	375035.5	5026801	82	4.77	0	134
Building	POLYLINE	16.553	375044.7	5026799	82	5.03	0	133

Heightline	Tri	3640.2	17.252	375045.4	5026799	82	0	0
Heightline	Tri	3681.1	17.252	375045.4	5026799	82	0	0
Building	POLYLINE	41.414	375068.7	5026792	82	5.03	0	133
Building	POLYLINE	43.518	375070.7	5026792	82	5.03	0	133
Building	POLYLINE	43.724	375070.9	5026792	82	5.03	0	133
Heightline	Tri	3640.3	51.07	375078	5026790	82	0	0
Heightline	Tri	4065.3	51.07	375078	5026790	82	0	0
Heightline	Tri	3858.2	51.583	375078.5	5026790	82	0	0
Heightline	Tri	4065.2	51.583	375078.5	5026790	82	0	0
Heightline	Tri	3858.3	76.016	375102.1	5026783	82	0	0
Heightline	Tri	3940.3	76.016	375102.1	5026783	82	0	0
Heightline	Tri	3940.1	81.035	375106.9	5026782	82	0	0
Heightline	Tri	4121.2	81.035	375106.9	5026782	82	0	0
Heightline	Tri	4121.3	101.593	375126.7	5026776	82	0	0
Heightline	Tri	4132.1	101.593	375126.7	5026776	82	0	0
Building	POLYLINE	121.921	375146.3	5026771	82	5.3	0	516
Heightline	Tri	4132.3	146.791	375170.3	5026765	82	0	0
Heightline	Tri	4149.1	146.791	375170.3	5026765	82	0	0
Building	POLYLINE	159.312	375182.4	5026761	82	5.3	0	516
Heightline	Tri	4149.2	165.79	375188.7	5026760	82	0	0
Heightline	Tri	4253.2	165.79	375188.7	5026760	82	0	0
Heightline	Tri	4253.3	181.353	375203.7	5026755	82	0	0
Heightline	Tri	4265.2	181.353	375203.7	5026755	82	0	0
Heightline	Tri	4265.3	184.29	375206.5	5026755	82	0	0
Heightline	Tri	4500.2	184.29	375206.5	5026755	82	0	0
Heightline	Tri	4500.1	187.749	375209.8	5026754	82	0	0
Heightline	Tri	4526.3	187.749	375209.8	5026754	82	0	0
Building	POLYLINE	194.073	375215.9	5026752	82	5.27	0	513
Building	POLYLINE	207.832	375229.2	5026748	82	5.27	0	513
Building	POLYLINE	210.146	375231.4	5026748	82	5.32	0	517
Heightline	Tri	4526.2	212.551	375233.8	5026747	82	0	0
Heightline	Tri	4635.3	212.551	375233.8	5026747	82	0	0
Building	POLYLINE	230.693	375251.3	5026742	82	5.32	0	517
Building	POLYLINE	232.183	375252.7	5026742	82	5.32	0	517
Heightline	Tri	4635.1	232.717	375253.2	5026742	82	0	0
Heightline	Tri	4849.3	232.717	375253.2	5026742	82	0	0
Building	POLYLINE	236.655	375257	5026741	82	5.32	0	517
Building(R)	POLYLINE	290.074	375308.5	5026727	82	5.25	0	
Building	POLYLINE	329.586	375272.9	5026744	82	5.32	0	517
Heightline	Tri	4635.1	352.844	375252	5026754	82	0	0
Heightline	Tri	4849.3	352.844	375252	5026754	82	0	0
Building	POLYLINE	358.105	375247.2	5026756	82	5.32	0	517
Heightline	Tri	4526.2	380.978	375226.6	5026766	82	0	0
Heightline	Tri	4635.3	380.978	375226.6	5026766	82	0	0
Building	POLYLINE	389.914	375218.6	5026770	82	5.21	0	515
Heightline	Tri	4500.1	404.811	375205.2	5026777	82	0	0
Heightline	Tri	4526.3	404.811	375205.2	5026777	82	0	0
Heightline	Tri	4265.3	407.97	375202.3	5026778	82	0	0
Heightline	Tri	4500.2	407.97	375202.3	5026778	82	0	0
Heightline	Tri	4253.3	412.221	375198.5	5026780	82	0	0
Heightline	Tri	4265.2	412.221	375198.5	5026780	82	0	0
Building	POLYLINE	415.236	375195.8	5026781	82	5.21	0	515
Heightline	Tri	4149.2	435.945	375177.1	5026790	82	0	0
Heightline	Tri	4253.2	435.945	375177.1	5026790	82	0	0
Heightline	Tri	4132.3	467.946	375148.3	5026804	82	0	0
Heightline	Tri	4149.1	467.946	375148.3	5026804	82	0	0
Building	POLYLINE	471.354	375145.2	5026805	82	5.25	0	442
Building	POLYLINE	471.992	375144.6	5026806	82	5.25	0	442
Building	POLYLINE	473.916	375142.9	5026807	82	5.25	0	442
Building	POLYLINE	496.413	375122.6	5026816	82	5.25	0	442
Heightline	Tri	4121.3	497.622	375121.5	5026817	82	0	0
Heightline	Tri	4132.1	497.622	375121.5	5026817	82	0	0
Heightline	Tri	3940.1	528.203	375094	5026830	82	0	0
Heightline	Tri	4121.2	528.203	375094	5026830	82	0	0
Heightline	Tri	3858.3	535.991	375087	5026833	82	0	0
Heightline	Tri	3940.3	535.991	375087	5026833	82	0	0
Heightline	Tri	3858.2	575.878	375051	5026851	82	0	0

Heightline	Tri	4065.2	575.878	375051	5026851	82	0	0
Heightline	Tri	3640.3	575.887	375051	5026851	82	0	0
Heightline	Tri	4065.3	575.887	375051	5026851	82	0	0
Heightline	Tri	3640.1	577.413	375049.7	5026851	82	0	0
Heightline	Tri	3658.3	577.413	375049.7	5026851	82	0	0
Heightline	Tri	3602.2	578.201	375048.9	5026852	82.14	0	0
Heightline	Tri	3658.1	578.201	375048.9	5026852	82.14	0	0
Heightline	Tri	3535.3	589.417	375038.8	5026857	84	0	0
Heightline	Tri	3602.3	589.417	375038.8	5026857	84	0	0
Heightline	Tri	2729.1	597.817	375031.3	5026860	84	0	0
Heightline	Tri	3535.1	597.817	375031.3	5026860	84	0	0
Barrier	Id=1202	599.667	375029.6	5026861	0	84.5	0	533
Heightline	Tri	2729.3	600.137	375029.2	5026861	84	0	0
Heightline	Tri	2955.1	600.137	375029.2	5026861	84	0	0
Heightline	Tri	2955.3	604.992	375024.8	5026863	84	0	0
Heightline	Tri	3852.3	604.992	375024.8	5026863	84	0	0
Heightline	Tri	3852.2	611.449	375019	5026866	82.67	0	0
Heightline	Tri	4788.2	611.449	375019	5026866	82.67	0	0
Heightline	Tri	4788.3	614.76	375016	5026868	82	0	0
Heightline	Tri	4796.3	614.76	375016	5026868	82	0	0
Heightline	Tri	3737.1	619.65	375011.6	5026870	82	0	0
Heightline	Tri	4796.1	619.65	375011.6	5026870	82	0	0
Heightline	Tri	3598.3	619.848	375011.4	5026870	82	0	0
Heightline	Tri	3737.3	619.848	375011.4	5026870	82	0	0
Heightline	Tri	3579.1	621.657	375009.8	5026871	82	0	0
Heightline	Tri	3598.2	621.657	375009.8	5026871	82	0	0
Heightline	Tri	3567.2	622.18	375009.3	5026871	82	0	0
Heightline	Tri	3579.3	622.18	375009.3	5026871	82	0	0
Heightline	Tri	3479.3	630.414	375001.9	5026874	82	0	0
Heightline	Tri	3567.3	630.414	375001.9	5026874	82	0	0
Barrier	Id=1258	632.594	374999.9	5026875	82	0	0	535
Heightline	Tri	3479.2	632.703	374999.8	5026875	82	0	0
Heightline	Tri	3534.2	632.703	374999.8	5026875	82	0	0
Heightline	Tri	3495.3	638.105	374995	5026878	82	0	0
Heightline	Tri	3534.3	638.105	374995	5026878	82	0	0
Heightline	Tri	3484.2	644.185	374989.5	5026880	82	0	0
Heightline	Tri	3495.2	644.185	374989.5	5026880	82	0	0
Ground	LWPOLYLIN	657.134	374977.8	5026886	0	0	0	
Building	LWPOLYLIN	662.439	374973.1	5026888	82	4.3	0	545
Building	LWPOLYLIN	667.069	374968.9	5026890	82	4.3	0	545
Building	LWPOLYLIN	668.936	374967.2	5026891	82	4.3	0	539
Building	LWPOLYLIN	673.566	374963	5026893	82	4.3	0	539
Heightline	Tri	3309.3	674.319	374962.3	5026893	82	0	0
Heightline	Tri	3484.3	674.319	374962.3	5026893	82	0	0
Building	LWPOLYLIN	675.473	374961.3	5026894	82	4.3	0	544
Building	LWPOLYLIN	677.646	374959.3	5026895	82	4.3	0	544
Heightline	Tri	3221.1	690.417	374947.8	5026900	82	0	0
Heightline	Tri	3309.2	690.417	374947.8	5026900	82	0	0
Heightline	Tri	3221.3	704.424	374935.2	5026907	82	0	0
Heightline	Tri	3230.1	704.424	374935.2	5026907	82	0	0
Heightline	Tri	3196.1	717.071	374923.8	5026912	82	0	0
Heightline	Tri	3230.2	717.071	374923.8	5026912	82	0	0
Heightline	Tri	3052.3	730.389	374911.8	5026918	82	0	0
Heightline	Tri	3196.2	730.389	374911.8	5026918	82	0	0
Heightline	Tri	3033.1	736.701	374906.1	5026921	82	0	0
Heightline	Tri	3052.2	736.701	374906.1	5026921	82	0	0
Heightline	Tri	3033.2	736.738	374906.1	5026921	82	0	0
Heightline	Tri	3051.3	736.738	374906.1	5026921	82	0	0
Heightline	Tri	3050.1	737.273	374905.6	5026921	82	0	0
Heightline	Tri	3051.1	737.273	374905.6	5026921	82	0	0
Heightline	Tri	3045.1	737.915	374905	5026921	82	0	0
Heightline	Tri	3050.3	737.915	374905	5026921	82	0	0
Heightline	Tri	2992.1	739.287	374903.8	5026922	82	0	0
Heightline	Tri	3045.3	739.287	374903.8	5026922	82	0	0
Pointsources	S6	745.51	374898.2	5026924	82	2.7	0	

L(wr)	--	81	83	84	87	89	89	83	72
A(ground)	-5.13	-5.13	-5.13	-5.13	-5.13	-5.13	-5.13	-5.13	-5.13
A(barrier)	10.13	10.35	10.76	11.48	12.63	14.29	16.43	18.93	21.66
A(veg)	0	0	0	0	0	0	0	0	0
A(sit)	0	0	0	0	0	0	0	0	0
A(bld)	0	0	0	0	0	0	0	0	0
A(air)	0.02	0.09	0.31	0.78	1.44	2.73	7.2	24.43	87.14
A(geo)	68.44	68.44	68.44	68.44	68.44	68.44	68.44	68.44	68.44
A(refl)	--	--	--	--	--	--	--	--	-0.97
C(meteo)	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19

L(p) -- -- -- -- -- -- -- -- -102.27 | -102.27

Cross section for receiver 7 (Id=-10753 and source S6 (Id=550)
[Reflection in facade LWPOLYLIN (Id=1336)]

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	7	0	375028.7	5026803	82	4.5	0	
Heightline	Tri	3558.1	20.671	375013.6	5026817	82	0	0
Heightline	Tri	3681.2	20.671	375013.6	5026817	82	0	0
Heightline	Tri	3558.2	53.794	374989.2	5026840	82	0	0
Heightline	Tri	3634.2	53.794	374989.2	5026840	82	0	0
Heightline	Tri	3507.1	54.03	374989.1	5026840	82.06	0	0
Heightline	Tri	3634.1	54.03	374989.1	5026840	82.06	0	0
Heightline	Tri	3490.3	63.183	374982.3	5026846	84	0	0
Heightline	Tri	3507.3	63.183	374982.3	5026846	84	0	0
Heightline	Tri	3420.3	66.164	374980.2	5026848	84	0	0
Heightline	Tri	3490.1	66.164	374980.2	5026848	84	0	0
Heightline	Tri	3420.1	67.427	374979.2	5026849	84	0	0
Heightline	Tri	3622.2	67.427	374979.2	5026849	84	0	0
Barrier	Id=1202	72.403	374975.6	5026852	0	84.5	0	533
Heightline	Tri	3622.1	74.812	374973.8	5026854	84	0	0
Heightline	Tri	3684.3	74.812	374973.8	5026854	84	0	0
Heightline	Tri	3397.2	81.109	374969.2	5026858	82.36	0	0
Heightline	Tri	3684.1	81.109	374969.2	5026858	82.36	0	0
Heightline	Tri	3230.3	82.415	374968.2	5026859	82	0	0
Heightline	Tri	3397.3	82.415	374968.2	5026859	82	0	0
Barrier	Id=1258	95.261	374958.8	5026868	82	0	0	535
Ground	LWPOLYLIN	101.615	374954.1	5026872	0	0	0	
Heightline	Tri	3196.1	137.529	374927.8	5026897	82	0	0
Heightline	Tri	3230.2	137.529	374927.8	5026897	82	0	0
Heightline	Tri	3052.3	164.198	374908.2	5026915	82	0	0
Heightline	Tri	3196.2	164.198	374908.2	5026915	82	0	0
Heightline	Tri	3033.1	168.304	374905.2	5026918	82	0	0
Heightline	Tri	3052.2	168.304	374905.2	5026918	82	0	0
Heightline	Tri	3033.2	168.858	374904.8	5026918	82	0	0
Heightline	Tri	3051.3	168.858	374904.8	5026918	82	0	0
Heightline	Tri	2992.2	169.725	374904.1	5026919	82	0	0
Heightline	Tri	3051.2	169.725	374904.1	5026919	82	0	0
Building(R)	LWPOLYLIN	177.632	374898.3	5026924	82	4.3	0	
Pointsources	S6	178.156	374898.2	5026924	82	2.7	0	

L(wr)	--	81	83	84	87	89	89	83	72
A(ground)	-3	-3	-3	-3	-3	-3	-3	-3	-3
A(barrier)	0	0	0	0	0	0	0	0	0
A(veg)	0	0	0	0	0	0	0	0	0
A(sit)	0	0	0	0	0	0	0	0	0
A(bld)	0	0	0	0	0	0	0	0	0
A(air)	0.01	0.02	0.07	0.19	0.34	0.65	1.72	5.84	20.82
A(geo)	56.01	56.01	56.01	56.01	56.01	56.01	56.01	56.01	56.01
A(refl)	--	--	--	--	--	-0.97	-0.97	-0.97	-0.97
C(meteo)	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19

L(p) -- -- -- -- -- 33.18 32.11 21.99 -3.99 | 35.87

Height	Source	Per	LAeq	32	63	125	250	500	1000	2000	4000	8000
4.5	S6	1	38.01	--	23.77	25.72	26.61	29.45	33.69	32.69	22.53	-3.47
4.5	S6	2	--	--	--	--	--	--	--	--	--	--
4.5	S6	3	38.01	--	23.77	25.72	26.61	29.45	33.69	32.69	22.53	-3.47
4.5	S6	4	--	--	--	--	--	--	--	--	--	--

Height	Per	LAeq	32	63	125	250	500	1000	2000	4000	8000
4.5	1	38.01	--	23.77	25.72	26.61	29.45	33.69	32.69	22.53	-3.47
4.5	2	--	--	--	--	--	--	--	--	--	--
4.5	3	38.01	--	23.77	25.72	26.61	29.45	33.69	32.69	22.53	-3.47
4.5	4	--	--	--	--	--	--	--	--	--	--

0.0020; 3520; 0.0000006; TTimerSet - overhead
0.0080; 1760; 0.0000046; WriteTestString

Testfile closed: ##### 2:05:05 PM