

APPENDIX

N ROAD TRAFFIC NOISE IMPACT STUDY



APPENDIX

N-6 ROAD TRAFFIC NOISE IMPACT STUDY (APPENDIX G-H)

Appendix G

Future “build” 2041 Barrier Investigation – Noise Level Predictions with Mitigation

Table G-1: Noise Level Predictions with Mitigation Investigation

Location	Existing 2013	Future "No-Build" Daytime (16-hr) L _{eq} (dBA)	Future "Build" Daytime (16-hr) L _{eq} (dBA) Without Barriers	Noise Impact (dB)	4m Barriers			3m Barriers			2.4m Barriers		
					Future "Build" Daytime (16-hr) L _{eq} (dBA) 4m Barriers	Barrier Warranted? (Yes/No)	Barrier Reduction (dB)	Future "Build" Daytime (16-hr) L _{eq} (dBA) 3m Barriers	Barrier Warranted? (Yes/No)	Barrier Reduction (dB)	Future "Build" Daytime (16-hr) L _{eq} (dBA) 2.4m Barriers	Barrier Warranted? (Yes/No)	Barrier Reduction (dB)
RA01	53.2	54.7	56.3	2	56.3	No	0	56.3	No	0	56.3	No	0
RA02	45.3	46.7	49.9	3	49.9	No	0	49.9	No	0	49.9	No	0
RA03	43.7	45.2	48.2	3	48.2	No	0	48.2	No	0	48.2	No	0
RA04	50.8	52.0	56.2	4	56.1	No	0	56.1	No	0	56.1	No	0
RA05	47.1	48.4	52.3	4	52.3	No	0	52.3	No	0	52.3	No	0
RB01	54.8	56.0	60.4	4	54.1	Yes	6	56.0	No	4	57.5	No	3
RB02	43.2	44.4	47.4	3	47.4	No	0	47.4	No	0	47.4	No	0
RB03	43.8	45.0	48.3	3	48.3	No	0	48.3	No	0	48.3	No	0
RB04	48.8	50.1	52.2	2	52.2	No	0	52.2	No	0	52.2	No	0
RB05	42.1	43.3	46.9	4	46.9	No	0	46.9	No	0	46.9	No	0
RB06	45.8	47.0	47.9	1	47.7	No	0	47.8	No	0	47.8	No	0
RB07	57.6	58.8	56.6	-2	56.6	No	0	56.6	No	0	56.6	No	0
RB08	51.4	52.6	53.5	1	52.3	No	1	52.8	No	1	53.0	No	1
RB09	44.2	45.4	57.6	12	52.2	Yes	5	54.8	No	3	55.6	No	2
RB10	40.8	42.0	59.4	17	52.9	Yes	7	55.3	No	4	56.6	No	3
RB11	48.0	49.2	53.2	4	52.6	No	1	52.9	No	0	52.9	No	0
RC01	61.8	63.0	61.0	-2	58.4	No	3	58.8	No	2	59.2	No	2
RC02	49.2	50.4	48.4	-2	48.4	No	0	48.5	No	0	48.5	No	0
RC03	52.0	53.2	51.1	-2	51.1	No	0	51.2	No	0	51.2	No	0
RC04	48.1	49.4	50.0	1	50.0	No	0	50.0	No	0	50.0	No	0
RC05	47.5	48.7	49.4	1	49.4	No	0	49.4	No	0	49.4	No	0
RD01	48.6	49.8	49.2	-1	49.2	No	0	49.2	No	0	49.2	No	0
RD02	43.9	45.2	43.7	-2	43.7	No	0	43.7	No	0	43.7	No	0
RD03	40.5	41.7	40.7	-1	40.6	No	0	40.6	No	0	40.6	No	0
RD04	44.9	46.1	45.9	0	45.9	No	0	45.9	No	0	45.9	No	0
RD05	42.9	44.1	44.2	0	44.1	No	0	44.1	No	0	44.1	No	0
RD06	45.6	46.8	47.9	1	47.9	No	0	47.9	No	0	47.9	No	0
RD07	40.3	41.5	42.8	1	42.8	No	0	42.8	No	0	42.8	No	0
RD08	39.8	41.0	65.0	24	55.4	Yes	10	58.3	No	7	60.5	No	5
RD09	44.6	45.8	48.1	2	47.7	No	0	48.0	No	0	48.0	No	0
RD10	47.6	48.8	49.3	1	49.3	No	0	49.3	No	0	49.3	No	0
RD11	49.1	50.3	50.5	0	50.5	No	0	50.5	No	0	50.5	No	0
RD12	51.3	52.6	52.6	0	52.6	No	0	52.6	No	0	52.6	No	0
RD13	60.1	61.3	61.3	0	61.3	No	0	61.3	No	0	61.3	No	0
RD14	54.4	55.6	55.6	0	55.6	No	0	55.6	No	0	55.6	No	0
RD15	52.8	54.1	54.1	0	54.1	No	0	54.1	No	0	54.1	No	0
RD16	48.5	49.7	49.8	0	49.8	No	0	49.8	No	0	49.8	No	0
RD17	48.0	49.2	49.3	0	49.3	No	0	49.3	No	0	49.3	No	0
RD18	46.8	48.0	48.3	0	48.3	No	0	48.3	No	0	48.3	No	0
RD19	43.6	44.8	45.5	1	45.5	No	0	45.5	No	0	45.5	No	0
RD20	40.8	42.0	45.1	3	45.1	No	0	45.1	No	0	45.1	No	0
RD21	43.4	44.6	47.0	2	47.0	No	0	47.0	No	0	47.0	No	0
RD22	53.4	54.6	54.7	0	54.7	No	0	54.7	No	0	54.7	No	0
RD23	43.1	44.3	55.3	11	55.3	No	0	55.3	No	0	55.3	No	0
RD24	40.4	41.6	50.4	9	50.4	No	0	50.4	No	0	50.4	No	0
RD25	49.5	50.7	52.5	2	52.5	No	0	52.5	No	0	52.5	No	0
RD26	50.6	51.8	51.9	0	51.9	No	0	51.9	No	0	51.9	No	0
RD27	49.9	51.1	51.1	0	51.1	No	0	51.1	No	0	51.1	No	0

Table G-1: Noise Level Predictions with Mitigation Investigation

Location	Existing 2013	Future "No-Build" Daytime (16-hr) L _{eq} (dBA)	Future "Build" Daytime (16-hr) L _{eq} (dBA) Without Barriers	Noise Impact (dB)	4m Barriers			3m Barriers			2.4m Barriers		
					Future "Build" Daytime (16-hr) L _{eq} (dBA) 4m Barriers	Barrier Warranted? (Yes/No)	Barrier Reduction (dB)	Future "Build" Daytime (16-hr) L _{eq} (dBA) 3m Barriers	Barrier Warranted? (Yes/No)	Barrier Reduction (dB)	Future "Build" Daytime (16-hr) L _{eq} (dBA) 2.4m Barriers	Barrier Warranted? (Yes/No)	Barrier Reduction (dB)
RD28	47.1	48.3	48.1	0	48.1	No	0	48.1	No	0	48.1	No	0
RD29	50.1	51.3	51.1	0	51.1	No	0	51.1	No	0	51.1	No	0
RD30	48.8	50.0	49.6	0	49.6	No	0	49.6	No	0	49.6	No	0
RD31	47.6	48.9	47.8	-1	47.7	No	0	47.7	No	0	47.7	No	0
RD32	58.1	59.3	59.3	0	59.3	No	0	59.3	No	0	59.3	No	0
RD33	52.9	54.1	52.1	-2	52.1	No	0	52.1	No	0	52.1	No	0
RD34	44.1	45.3	44.4	-1	44.3	No	0	44.4	No	0	44.4	No	0
RE01	59.1	60.3	59.2	-1	59.1	No	0	59.1	No	0	59.1	No	0
RE02	45.3	46.5	48.6	2	48.1	No	1	48.2	No	0	48.2	No	0
RE03	48.2	49.4	50.6	1	50.6	No	0	50.6	No	0	50.6	No	0
RE04	45.5	46.7	48.9	2	48.8	No	0	48.8	No	0	48.8	No	0
RE05	43.1	44.2	47.9	4	47.7	No	0	47.7	No	0	47.7	No	0
RE06	40.7	41.9	47.1	5	46.9	No	0	46.9	No	0	46.9	No	0
RE07	42.8	44.0	47.4	3	47.3	No	0	47.3	No	0	47.3	No	0
RE08	50.2	51.4	52.0	1	52.0	No	0	52.0	No	0	52.0	No	0
RE09	49.5	50.7	51.6	1	51.6	No	0	51.6	No	0	51.6	No	0
RE10	51.6	52.8	53.4	1	53.4	No	0	53.4	No	0	53.4	No	0
RE11	40.6	41.8	47.8	6	47.8	No	0	47.8	No	0	47.8	No	0
RE12	43.7	44.9	54.9	10	54.9	No	0	54.9	No	0	54.9	No	0
RE13	43.7	44.9	48.4	4	48.2	No	0	48.3	No	0	48.3	No	0
RE14	42.8	44.0	47.8	4	47.8	No	0	47.8	No	0	47.8	No	0
RE15	42.3	43.5	46.3	3	46.2	No	0	46.3	No	0	46.3	No	0
RE16	43.5	44.7	46.4	2	46.4	No	0	46.4	No	0	46.4	No	0
RE17	43.0	44.2	45.6	1	45.6	No	0	45.6	No	0	45.6	No	0
RE18	50.2	51.4	51.9	1	51.9	No	0	51.9	No	0	51.9	No	0
RE19	56.8	58.0	58.1	0	58.1	No	0	58.1	No	0	58.1	No	0
RE20	47.7	48.9	49.4	1	49.4	No	0	49.4	No	0	49.4	No	0
RE21	49.8	51.0	51.3	0	51.3	No	0	51.3	No	0	51.3	No	0
RE22	50.4	51.5	52.3	1	52.3	No	0	52.3	No	0	52.3	No	0
RE23	55.1	56.3	57.1	1	57.1	No	0	57.1	No	0	57.1	No	0
RE24	52.6	53.8	54.7	1	54.7	No	0	54.7	No	0	54.7	No	0
RE25	55.7	56.9	61.5	5	57.8	No	4	60.0	No	2	60.5	No	1
RE26	49.7	50.9	54.1	3	51.0	No	3	52.4	No	2	52.8	No	1
RE27	41.1	42.3	47.9	6	47.7	No	0	47.8	No	0	47.8	No	0
RE28	45.7	46.9	52.0	5	51.9	No	0	51.9	No	0	51.9	No	0
RE29	46.3	47.5	53.3	6	53.2	No	0	53.2	No	0	53.2	No	0
RE30	52.6	53.8	61.0	7	56.2	Yes	5	58.7	No	2	59.3	No	2
RE31	41.9	43.1	52.6	10	49.0	No	4	51.2	No	1	51.4	No	1
RE32	42.4	43.6	50.3	7	47.7	No	3	49.1	No	1	49.3	No	1
RE33	44.7	45.9	49.6	4	48.0	No	2	48.8	No	1	48.9	No	1
RF01	60.9	62.1	63.1	1	61.4	No	2	62.2	No	1	62.4	No	1
RF02	48.0	49.3	52.7	3	52.6	No	0	52.7	No	0	52.7	No	0

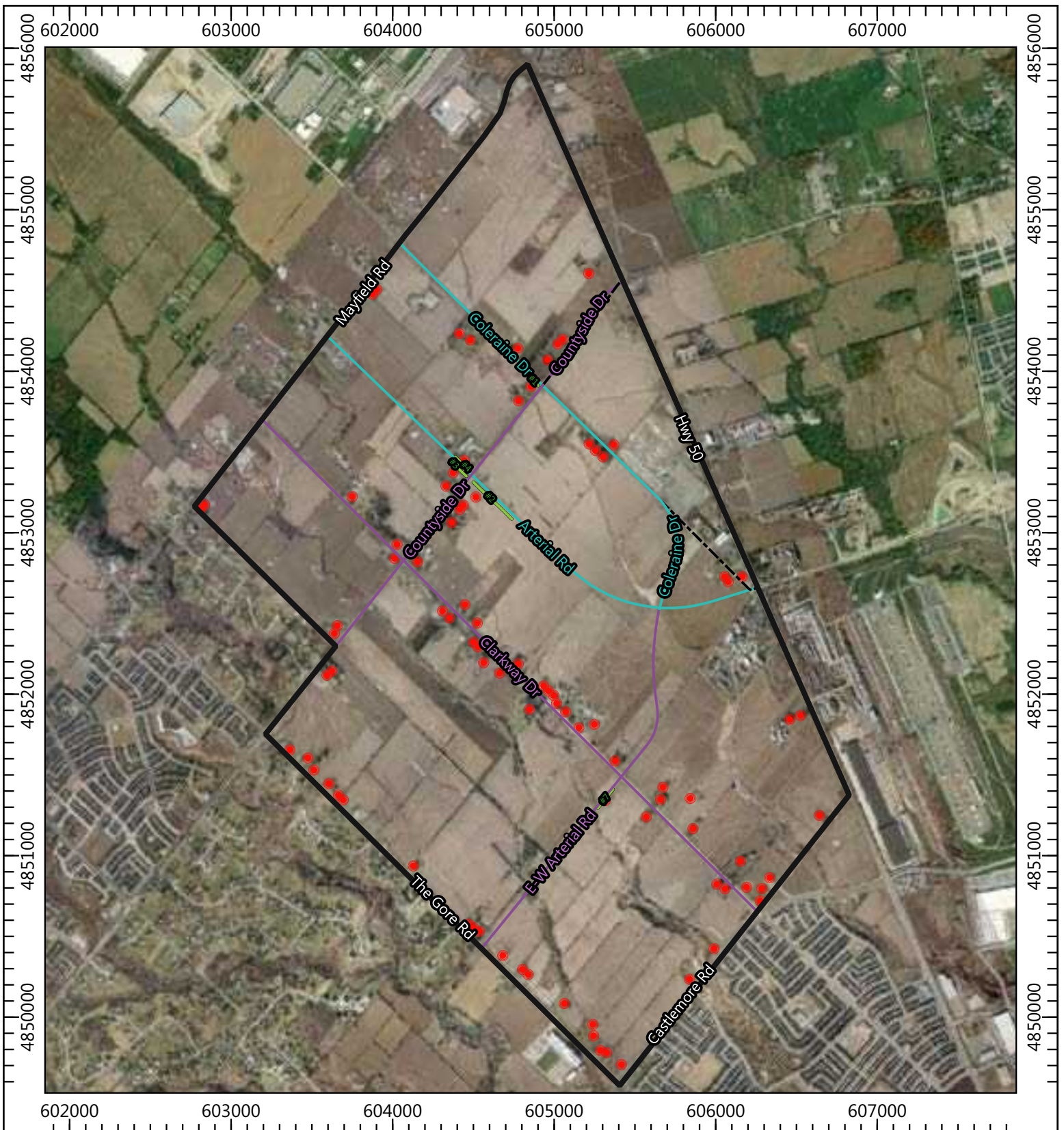
- Note(s):
1. The noise impact is defined as the Future "build" noise level minus the Future "no-build" noise level. A positive value indicates an increased impact and a negative value indicates a decreased impact. Noise Impact values have been rounded to the nearest whole decibel.
 2. The results shown represent the noise levels with five (5) recommended barriers out of the six (6) barriers investigated in Section 5.2.
 3. Barrier reductions have been rounded to the nearest whole decibel.



Appendix H

Future “build” 2041 Recommended Barriers

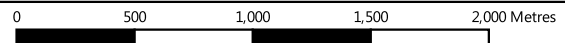




LEGEND

- Study Area
- Road (owned by the city)
- Road (owned by the region)
- Road (re-configuration proposed)
- Receptor
- Recommended Barrier

Source: ESRI
 Datum & Projection:
 NAD83 / UTM zone 17N



**Road Traffic Noise Impact Assessment
 Industrial Secondary Plan Area (Area 47)**

**Overview
 Future "Build" 2041 Recommended Barriers**

PROJECT NO: TP115086

FIGURE: H-1

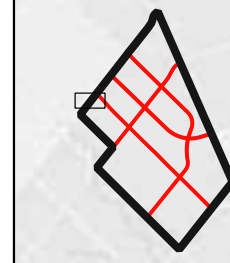
SCALE: 1:32000

DATE: May 2021



LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

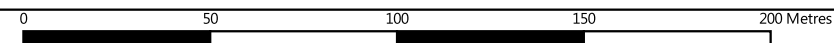
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-2 of 68

SCALE: 1:2023

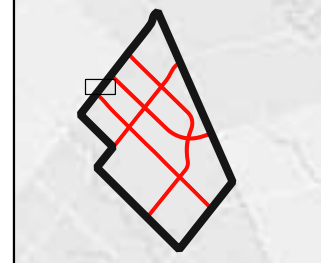
DATE: May 2021





LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

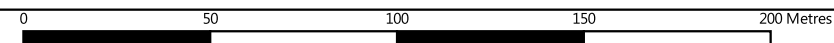
**Noise Levels
Future "Build" 2041 Recommended Barriers**

PROJECT NO: TP115086

FIGURE: H-3 of 68

SCALE: 1:2023

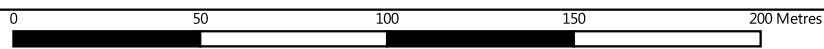
DATE: May 2021





LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

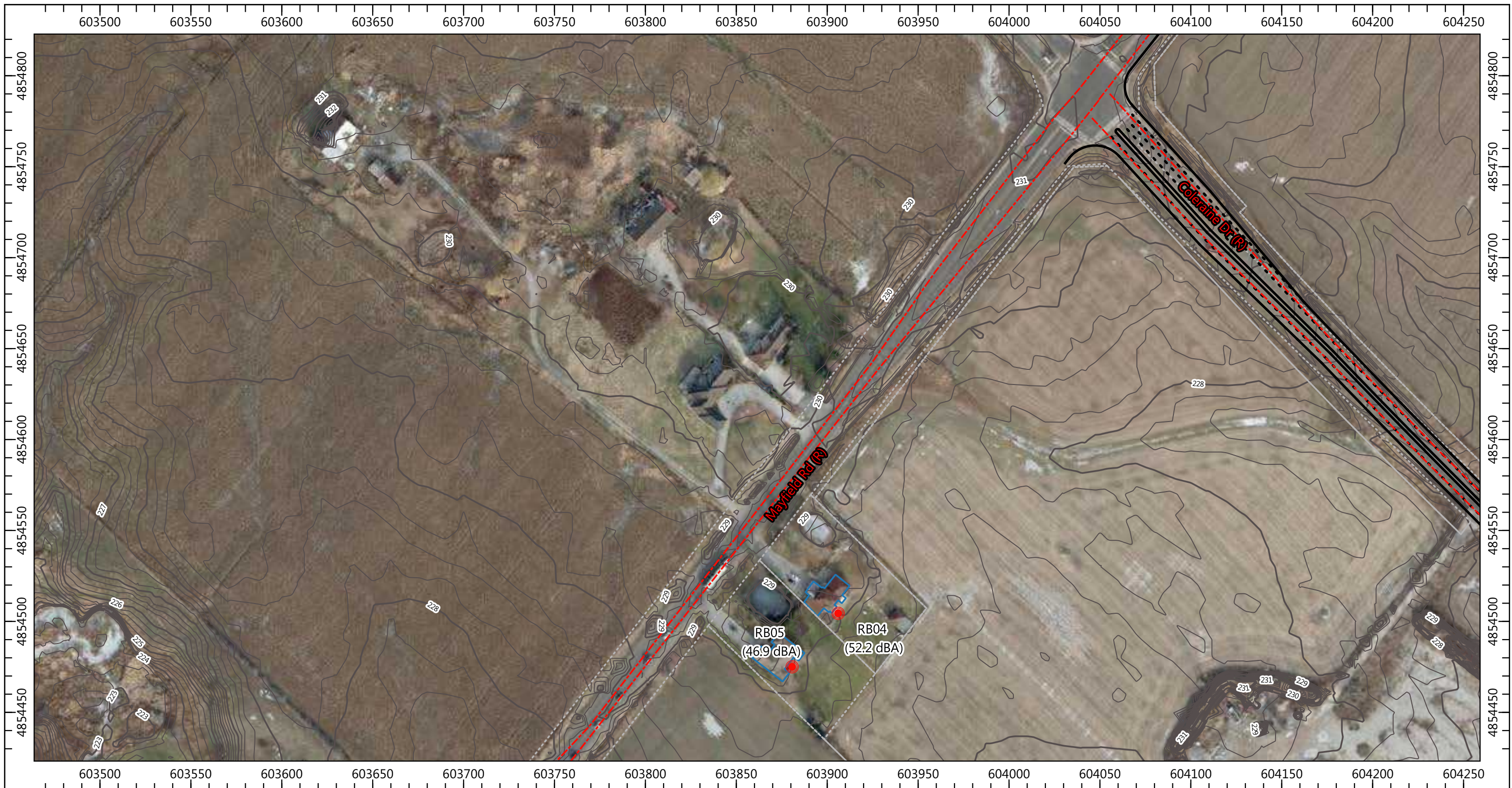
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-4 of 68

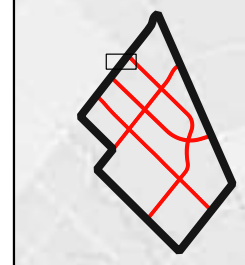
SCALE: 1:2023

DATE: May 2021



LEGEND

- Receptor
- - - Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

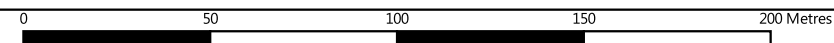
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-5 of 68

SCALE: 1:2023

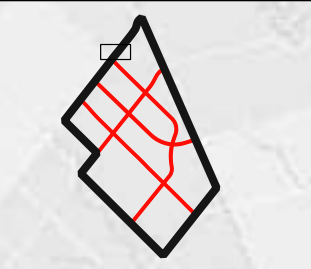
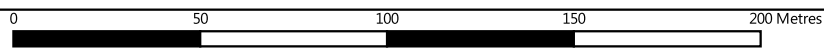
DATE: May 2021





LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

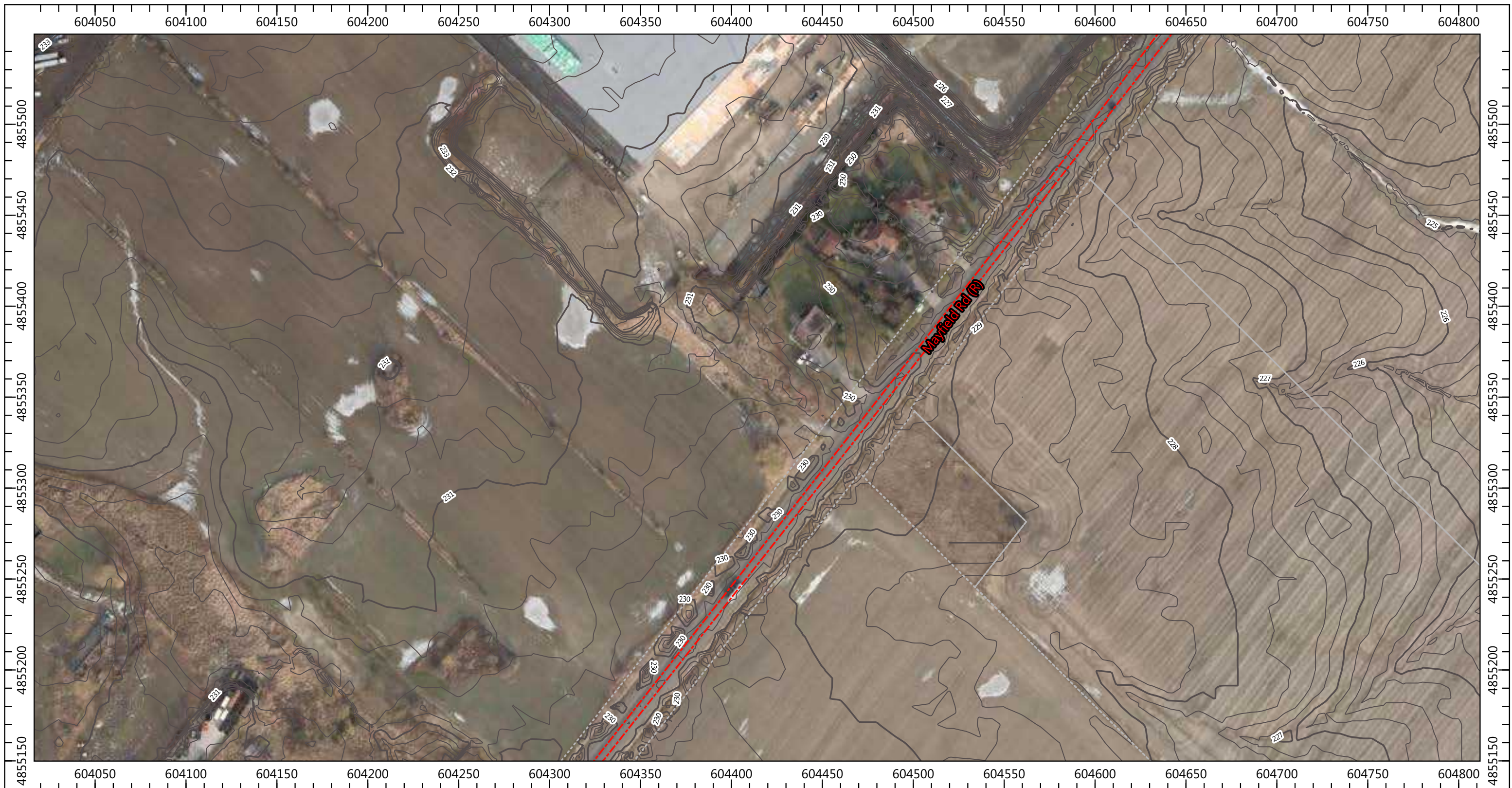
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-6 of 68

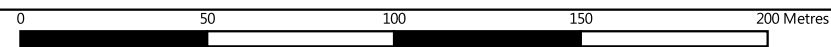
SCALE: 1:2023

DATE: May 2021



LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-7 of 68

SCALE: 1:2023

DATE: May 2021



LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

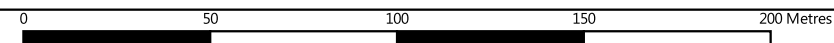
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-8 of 68

SCALE: 1:2023

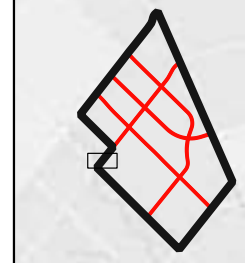
DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

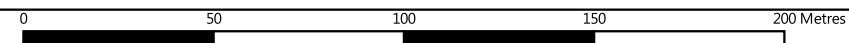
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-9 of 68

SCALE: 1:1986

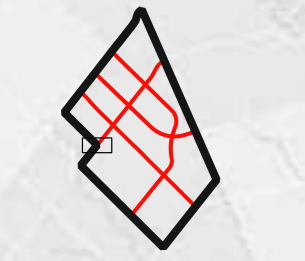
DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

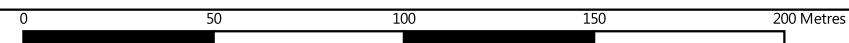
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-10 of 68

SCALE: 1:1986

DATE: May 2021





LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

**Noise Levels
Future "Build" 2041 Recommended Barriers**

PROJECT NO: TP115086

FIGURE: H-11 of 68

SCALE: 1:1986

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line

0 50 100 150 200 Metres

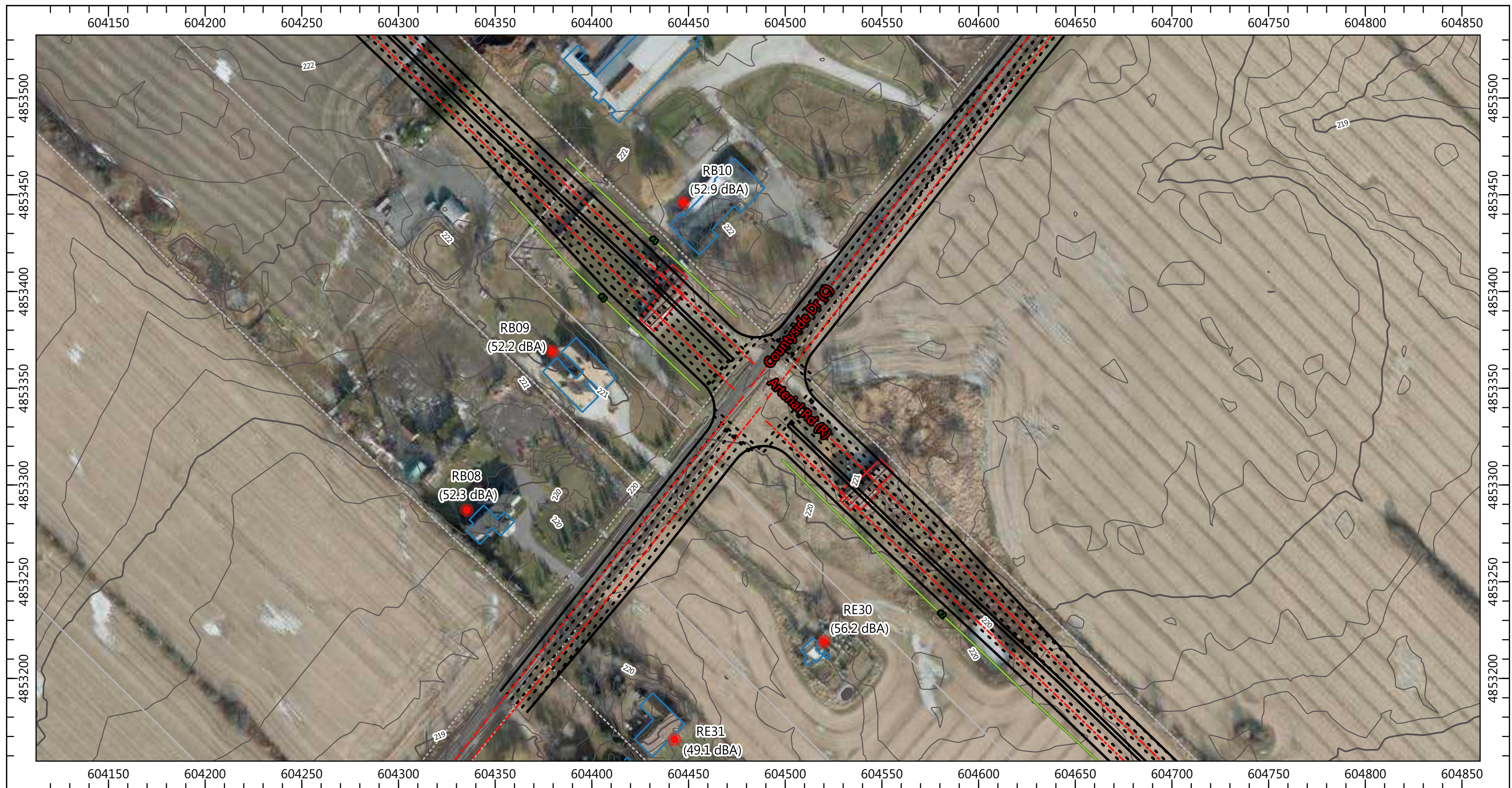
Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N

wood.

**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

**Noise Levels
Future "Build" 2041 Recommended Barriers**


PROJECT NO: TP115086	FIGURE: H-12 of 68
SCALE: 1:1899	DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line
- Building (removal with new roadway)


0 50 100 150 200 Metres



**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

**Noise Levels
Future "Build" 2041 Recommended Barriers**

Source: ESRI
 Datum & Projection:
 NAD83 / UTM zone 17N



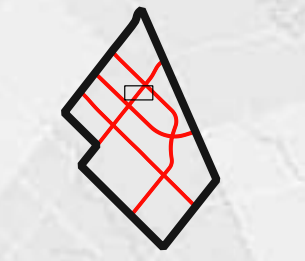
PROJECT NO: TP115086
 SCALE: 1:1899

FIGURE: H-13 of 68
 DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

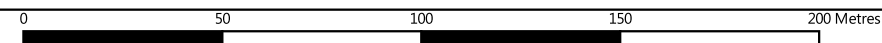
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-14 of 68

SCALE: 1:1899

DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- ▨ Building (removal with new roadway)
- Recommended Barrier (4m above grade)

0 50 100 150 200 Metres

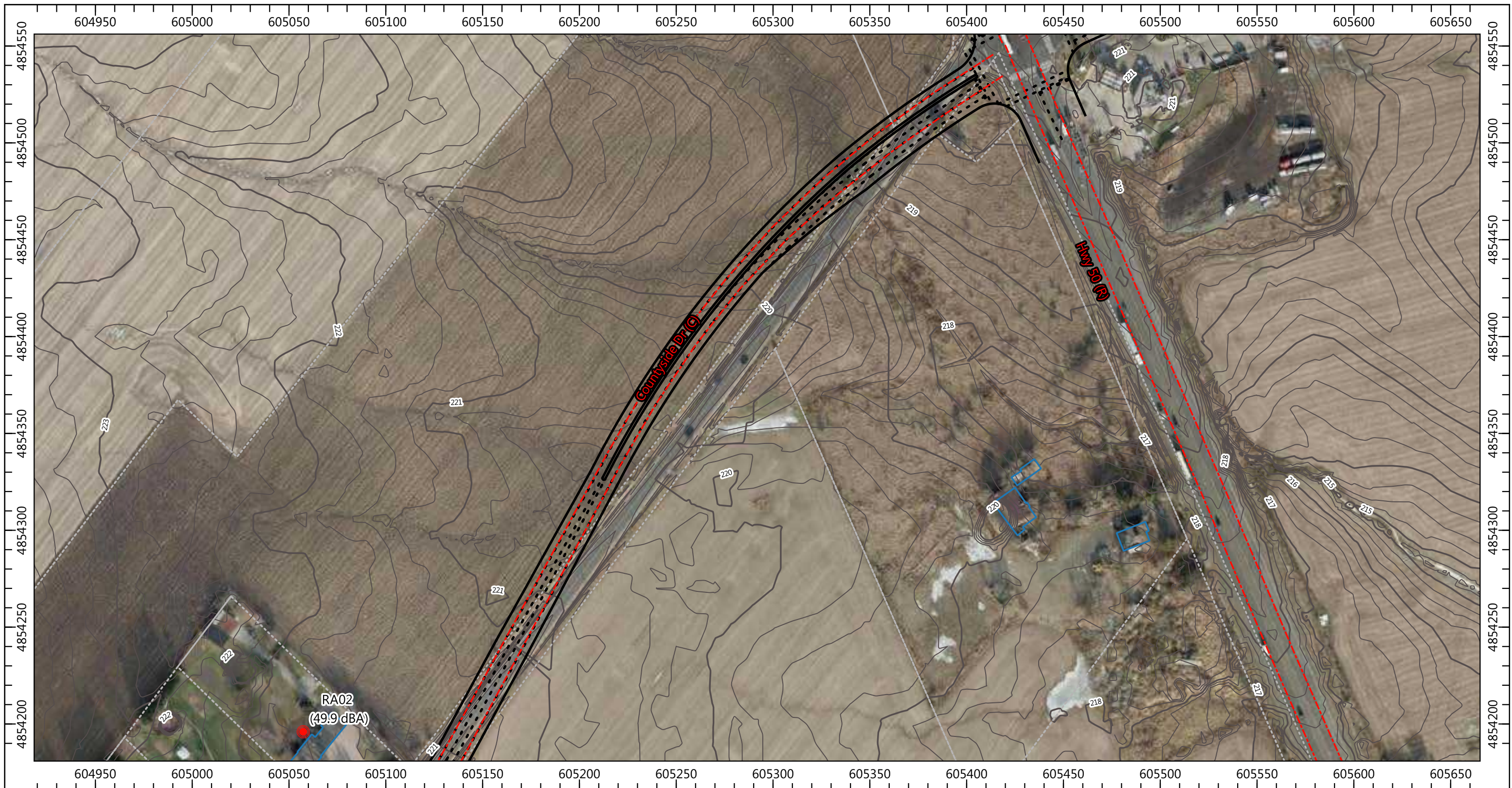
Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N

wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

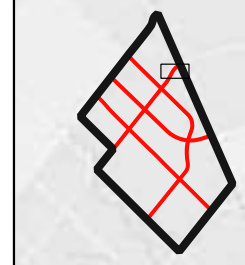
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086	FIGURE: H-15 of 68
SCALE: 1:1899	DATE: May 2021



LEGEND

- Receptor
- Building
- - - Road
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line
- ▨ Building (removal with new roadway)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

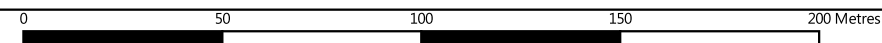
**Noise Levels
Future "Build" 2041 Recommended Barriers**

PROJECT NO: TP115086

FIGURE: H-16 of 68

SCALE: 1:1899

DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line

0 50 100 150 200 Metres

Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N

wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

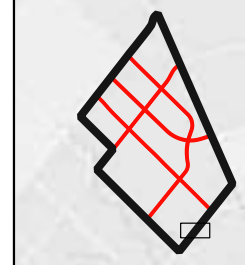
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086	FIGURE: H-17 of 68
SCALE: 1:1969	DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line
- Building (removal with new roadway)



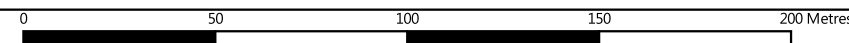
Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

**Noise Levels
Future "Build" 2041 Recommended Barriers**

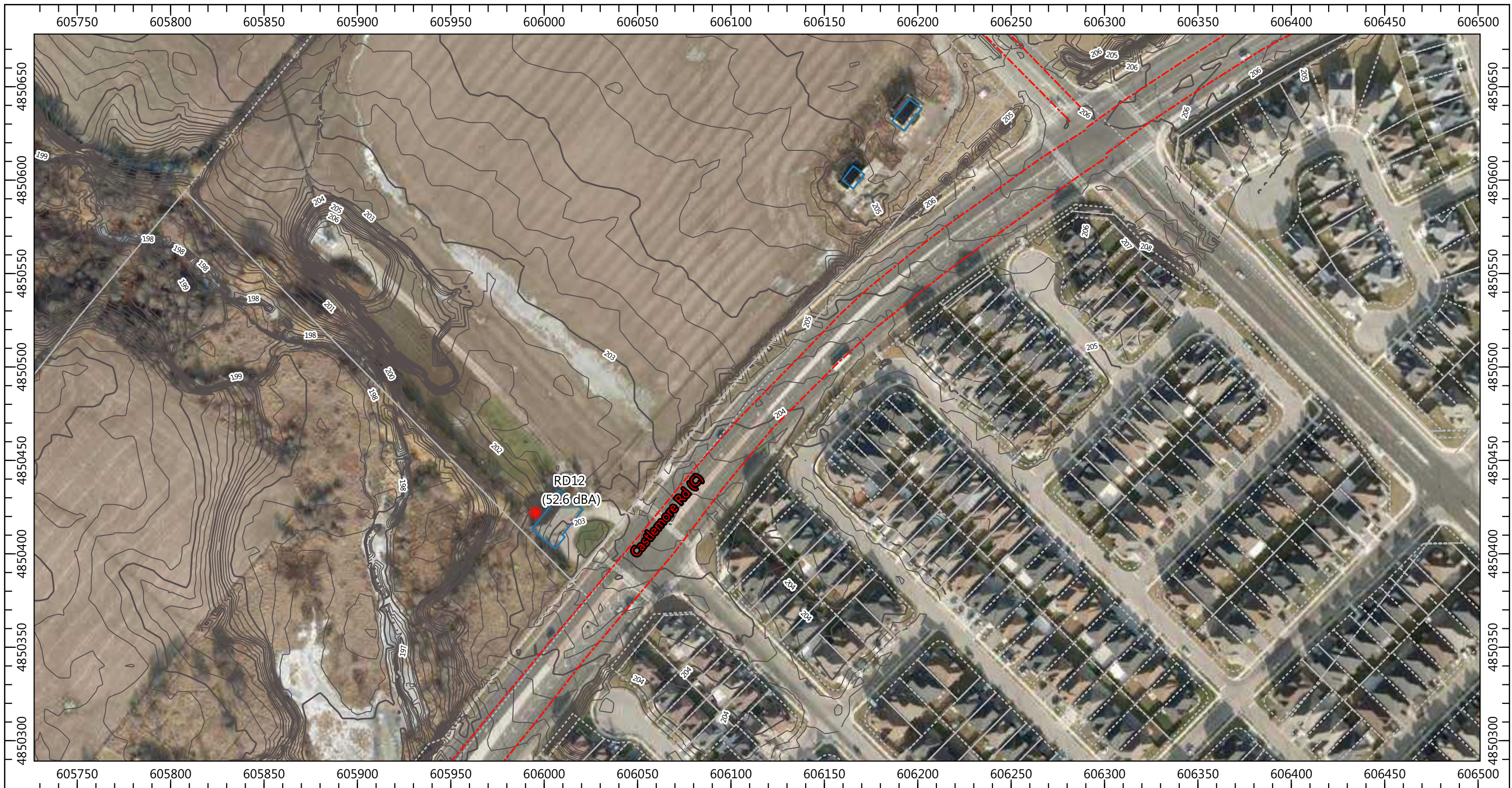


PROJECT NO: TP115086

FIGURE: H-18 of 68

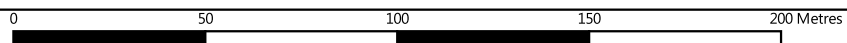
SCALE: 1:1969

DATE: May 2021



LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

**Noise Levels
Future "Build" 2041 Recommended Barriers**

PROJECT NO: TP115086

FIGURE: H-19 of 68

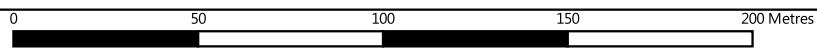
SCALE: 1:1969

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

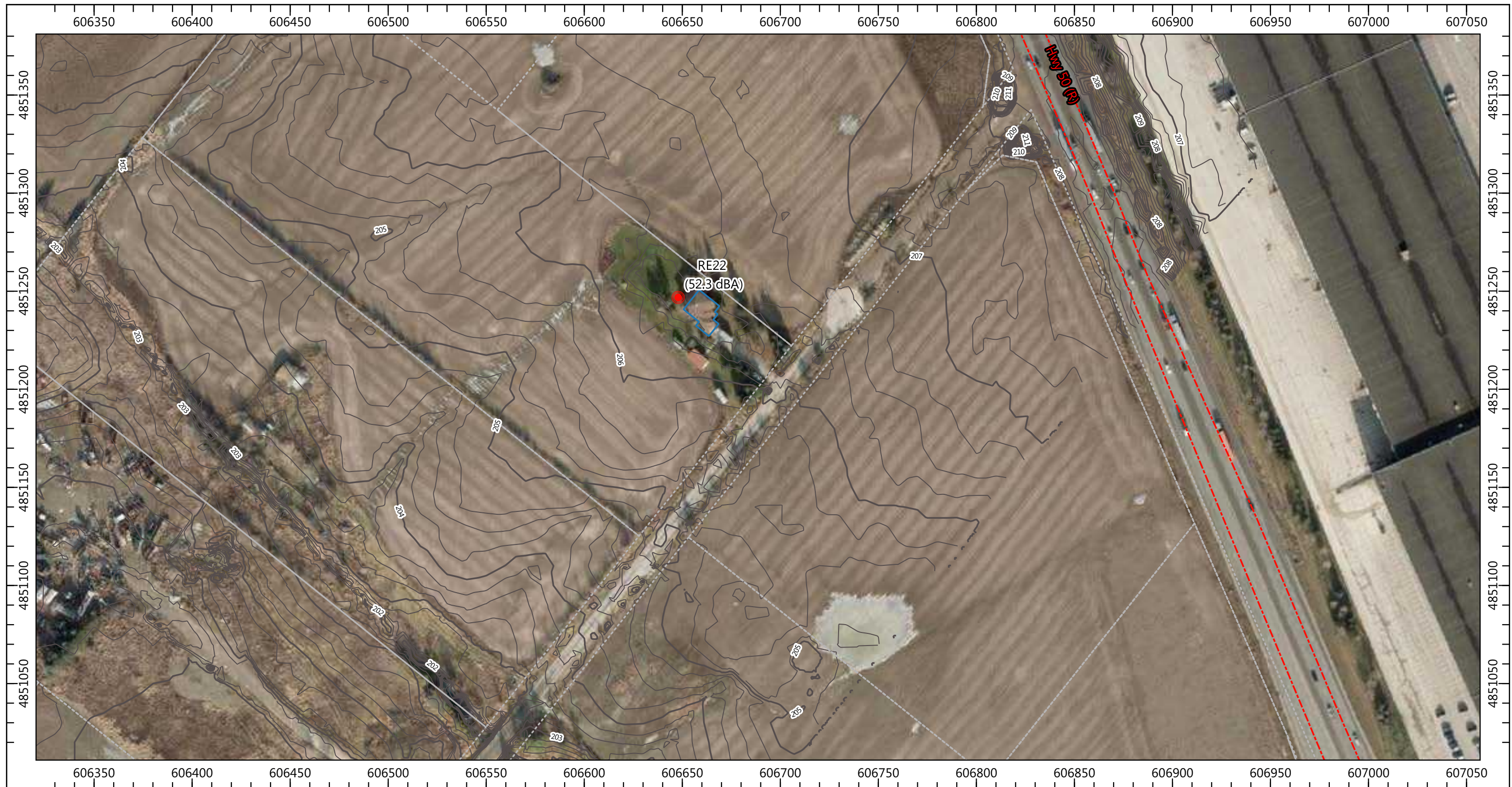
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-20 of 68

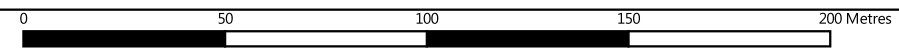
SCALE: 1:2045

DATE: May 2021



LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-21 of 68

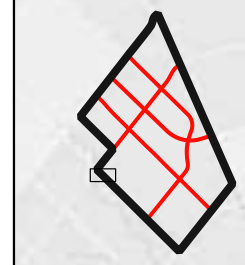
SCALE: 1:1873

DATE: May 2021



LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

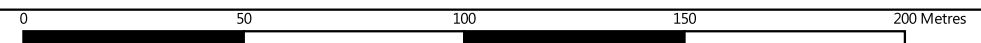
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-22 of 68

SCALE: 1:1715

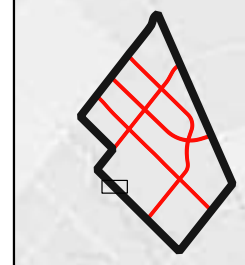
DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

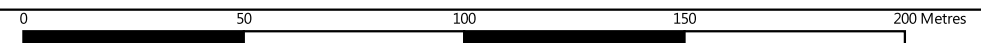
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-23 of 68

SCALE: 1:1715

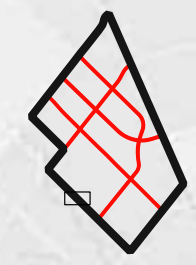
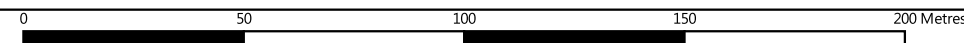
DATE: May 2021





LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-24 of 68

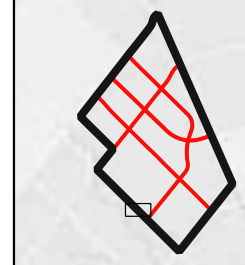
SCALE: 1:1715

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

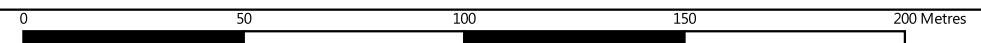
Noise Levels
Future "Build" 2041 Recommended Barriers

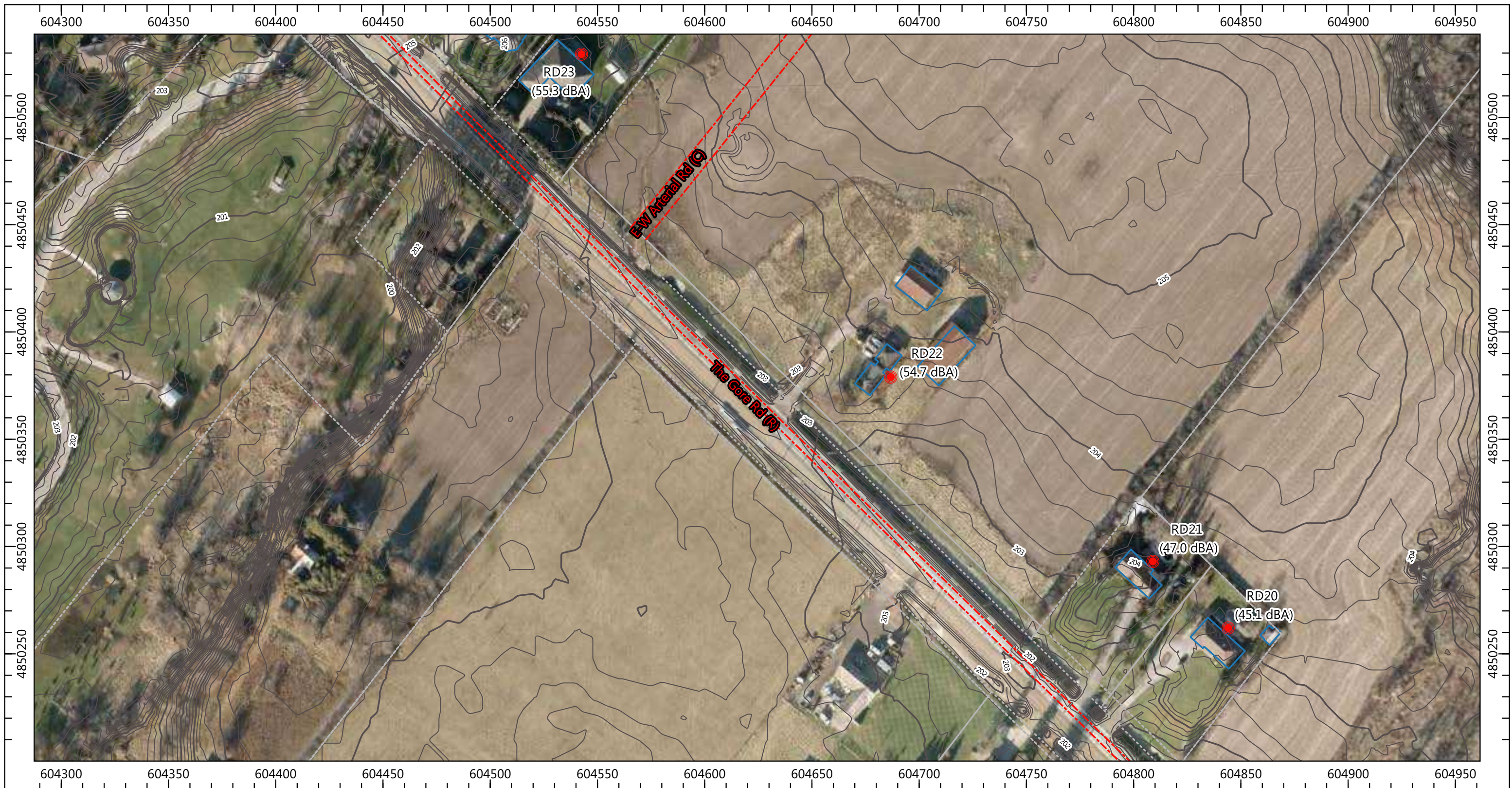
PROJECT NO: TP115086

FIGURE: H-25 of 68

SCALE: 1:1715

DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

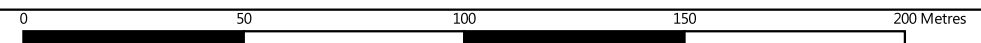
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-26 of 68

SCALE: 1:1715

DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line

0 50 100 150 200 Metres

Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N

wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

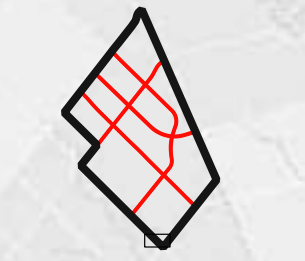
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086	FIGURE: H-27 of 68
SCALE: 1:1715	DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

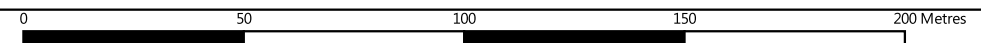
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-28 of 68







SCALE: 1:1715

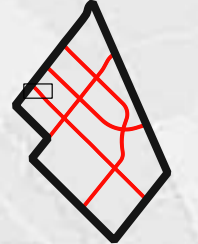
DATE: May 2021





LEGEND

-  Receptor
-  Road
- (R): Regional Road
- (C): City Road
-  Contour Line
-  Building
-  Building (removal with new roadway)
-  Recommended Barrier (4m above grade)



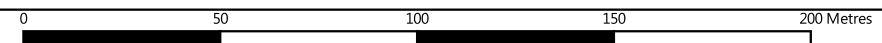
Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N

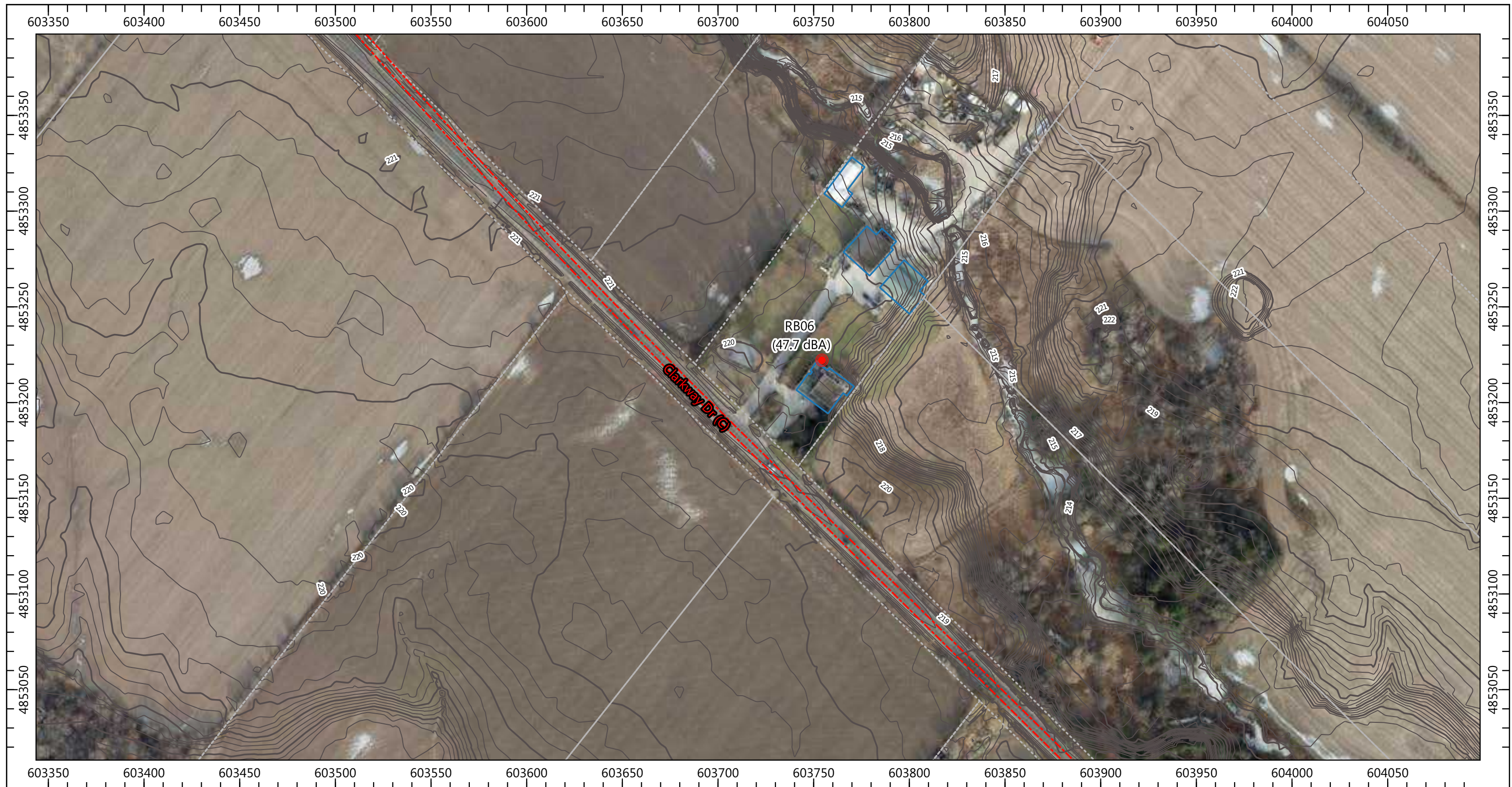
wood.

**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

**Noise Levels
Future "Build" 2041 Recommended Barriers**

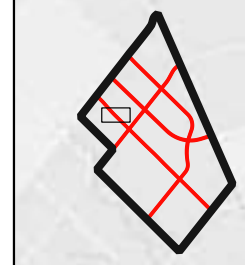
PROJECT NO: TP115086	FIGURE: H-29 of 68
SCALE: 1:1920	DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

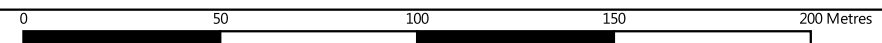
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-30 of 68

SCALE: 1:1920

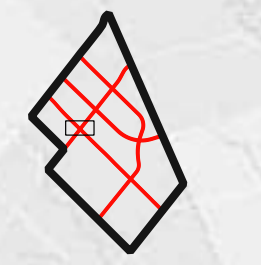
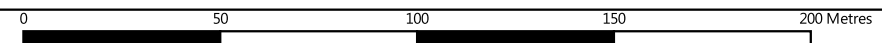
DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-31 of 68

SCALE: 1:1920

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line

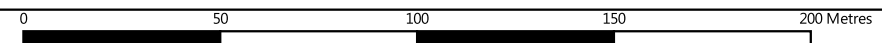
Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N

wood.

**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

**Noise Levels
Future "Build" 2041 Recommended Barriers**

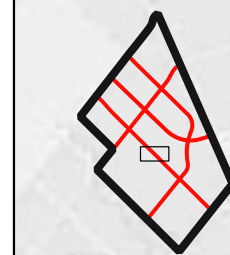
PROJECT NO: TP115086	FIGURE: H-32 of 68
SCALE: 1:1920	DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-33 of 68

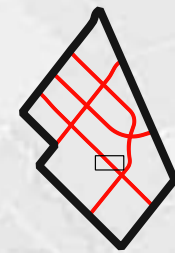
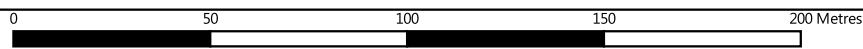
SCALE: 1:1920

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-34 of 68

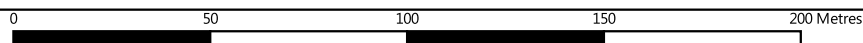
SCALE: 1:1920

DATE: May 2021



LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-35 of 68

SCALE: 1:1920

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line

0 50 100 150 200 Metres

Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N

wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086	FIGURE: H-36 of 68
SCALE: 1:1920	DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- ▨ Building (removal with new roadway)
- Recommended Barrier (4m above grade)

0 50 100 150 200 Metres

Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N

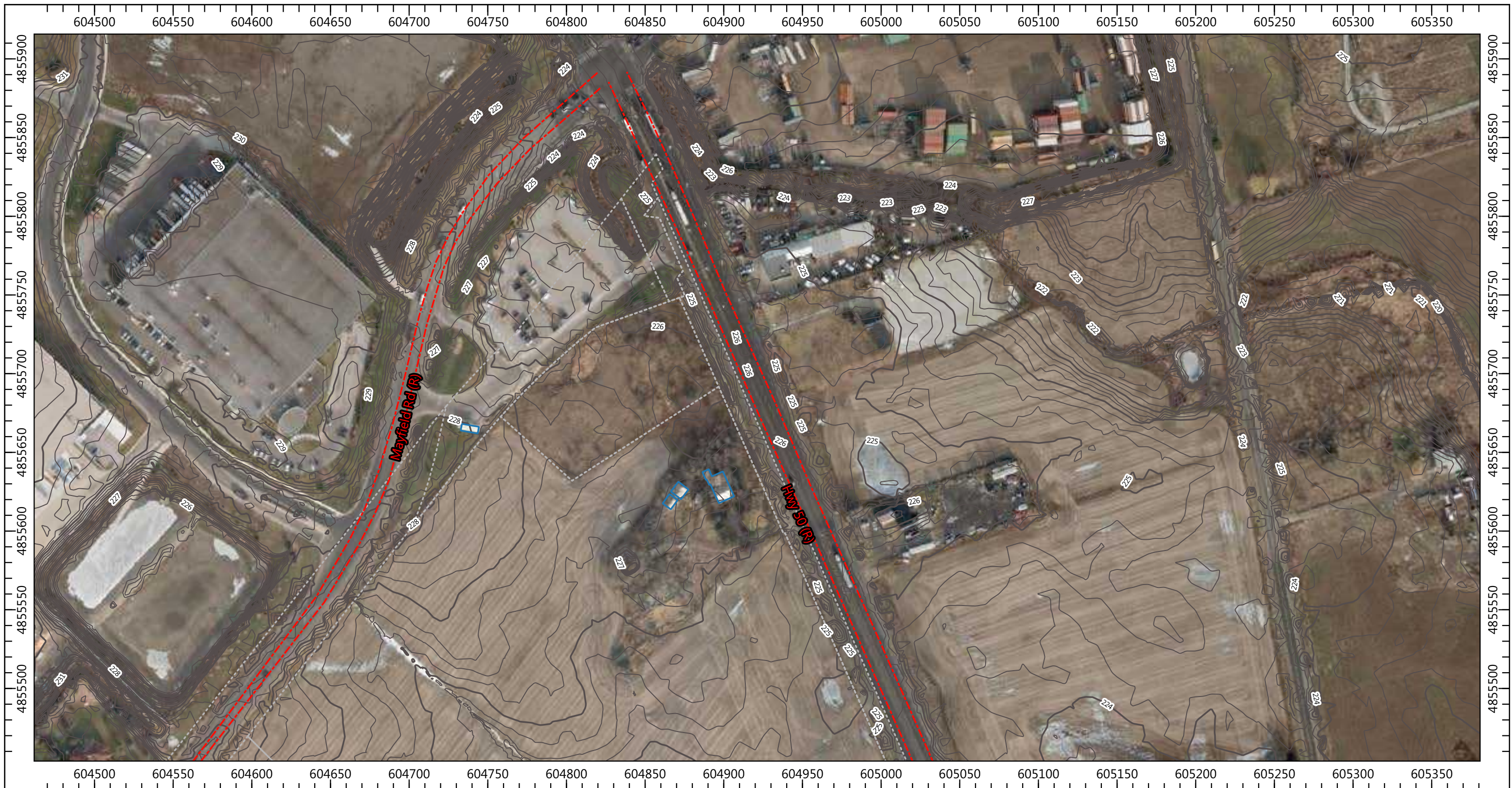
wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086 FIGURE: H-37 of 68

SCALE: 1:1920 DATE: May 2021



LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)

0 50 100 150 200 Metres

Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N

wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

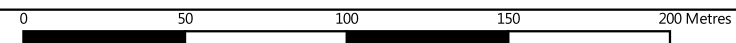
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086	FIGURE: H-38 of 68
SCALE: 1:2338	DATE: May 2021



LEGEND

- Receptor
- - - Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N

wood.

**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

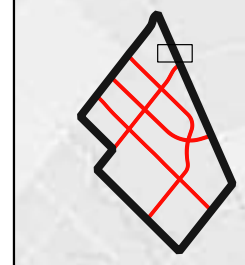
**Noise Levels
Future "Build" 2041 Recommended Barriers**

PROJECT NO: TP115086	FIGURE: H-39 of 68
SCALE: 1:2338	DATE: May 2021



LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)

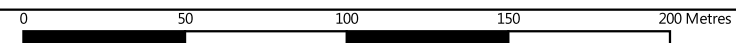


Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

Noise Levels
Future "Build" 2041 Recommended Barriers

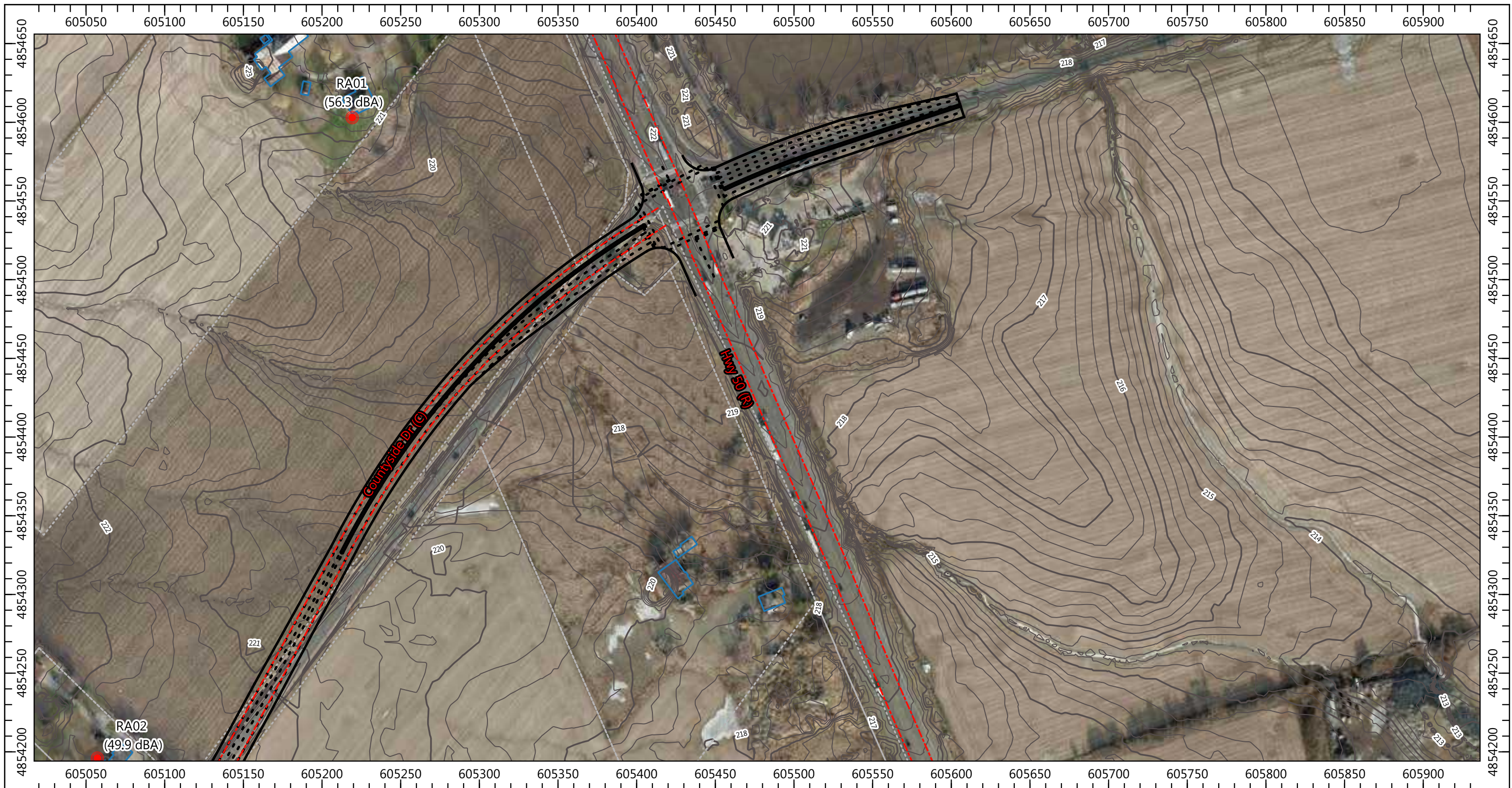


PROJECT NO: TP115086

FIGURE: H-40 of 68

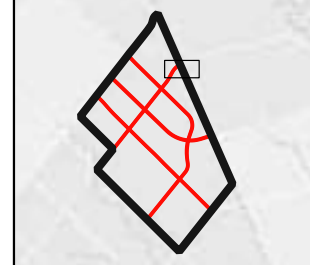
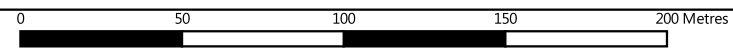
SCALE: 1:2338

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

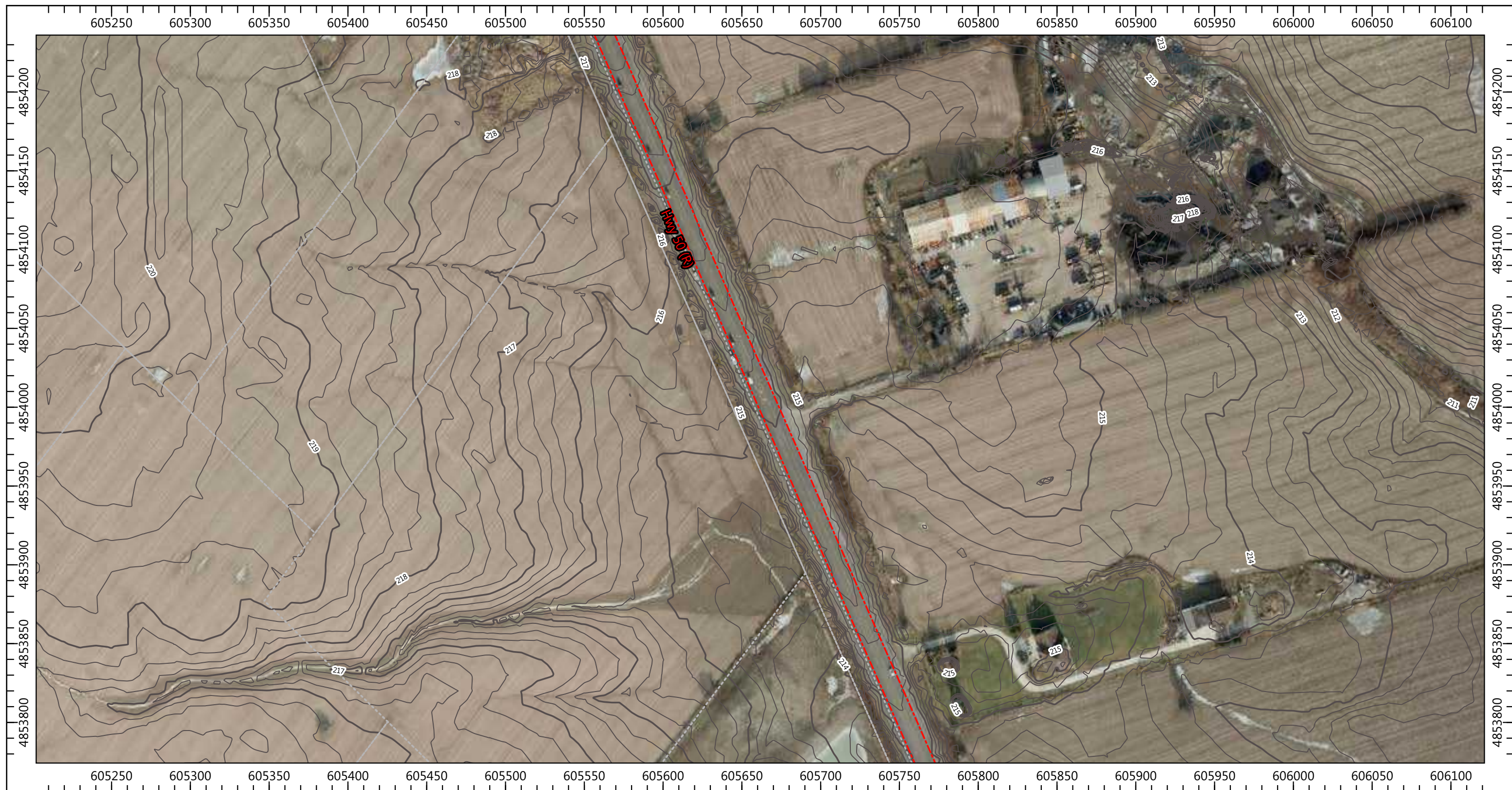
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-41 of 68

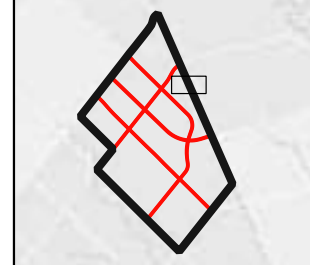
SCALE: 1:2338

DATE: May 2021



LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

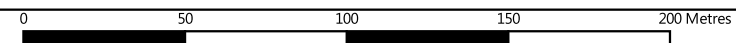
**Noise Levels
Future "Build" 2041 Recommended Barriers**

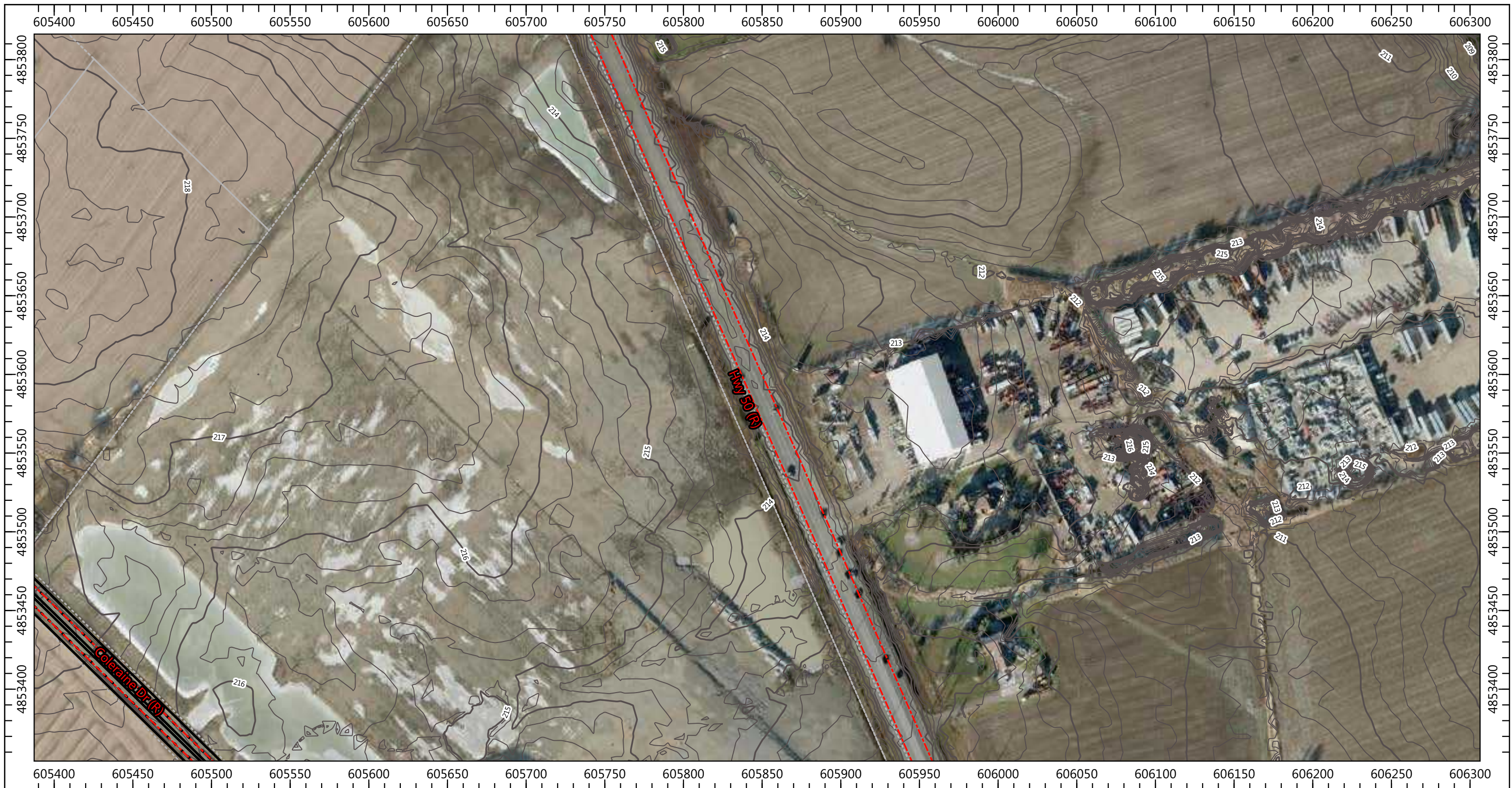
PROJECT NO: TP115086

FIGURE: H-42 of 68

SCALE: 1:2338

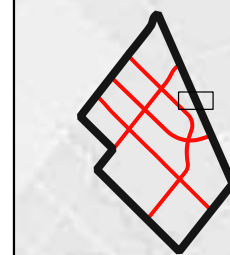
DATE: May 2021





LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

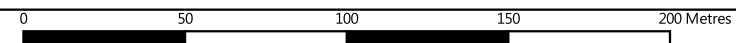
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-43 of 68

SCALE: 1:2338

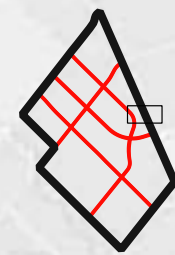
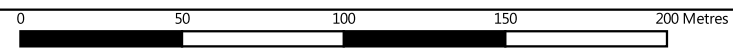
DATE: May 2021





LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-44 of 68

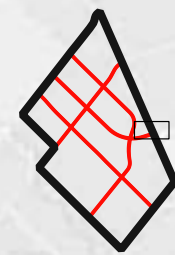
SCALE: 1:2338

DATE: May 2021



LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-45 of 68

SCALE: 1:2338

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line

0 50 100 150 200 Metres

Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N

wood.

**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

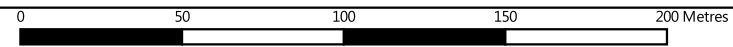
**Noise Levels
Future "Build" 2041 Recommended Barriers**

PROJECT NO: TP115086	FIGURE: H-46 of 68
SCALE: 1:2338	DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

**Noise Levels
Future "Build" 2041 Recommended Barriers**

PROJECT NO: TP115086

FIGURE: H-47 of 68

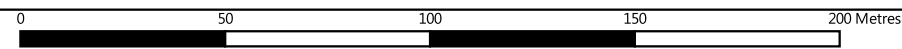
SCALE: 1:2338

DATE: May 2021



LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

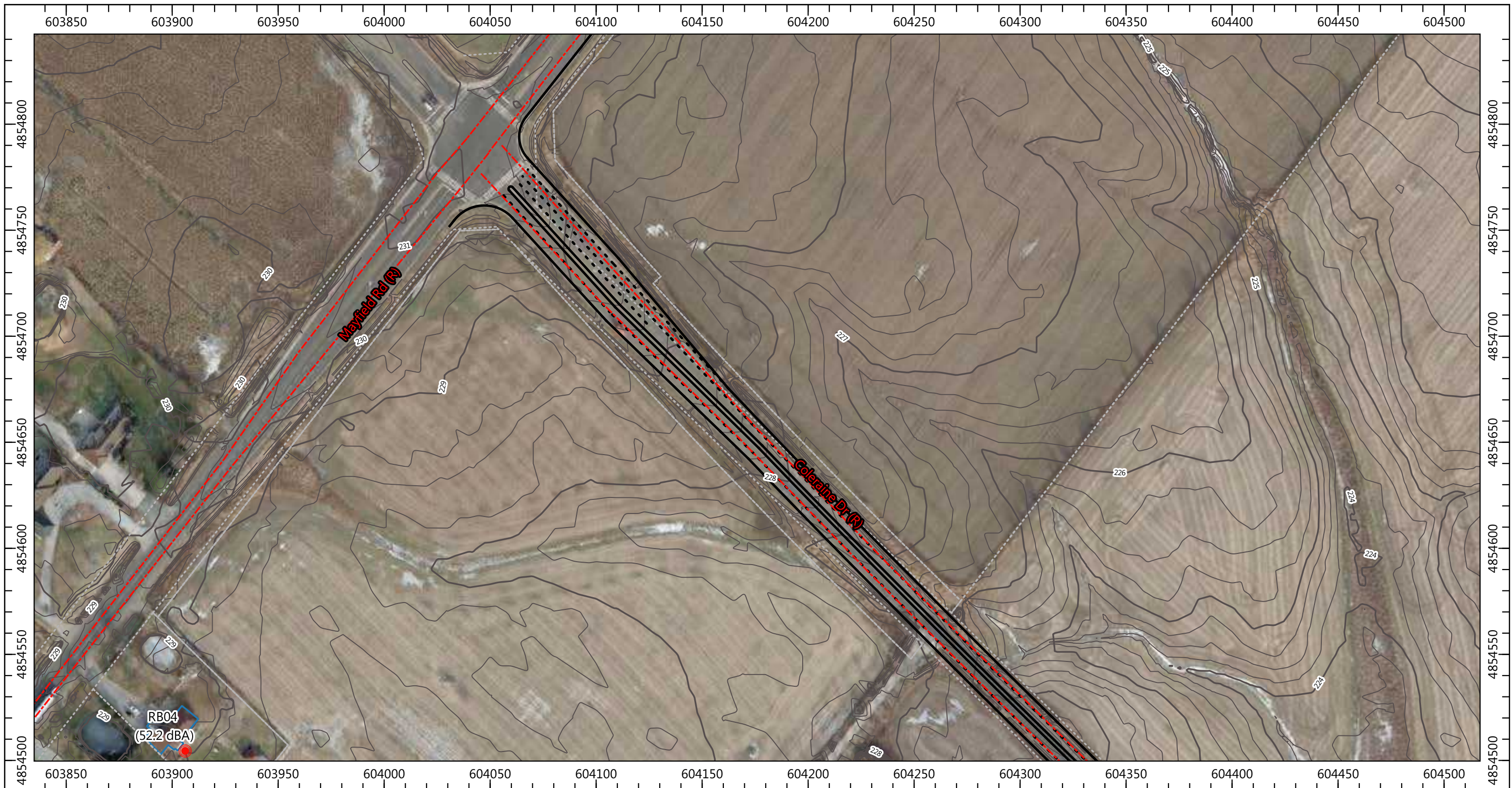
**Noise Levels
Future "Build" 2041 Recommended Barriers**

PROJECT NO: TP115086

FIGURE: H-48 of 68

SCALE: 1:1845

DATE: May 2021



LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)

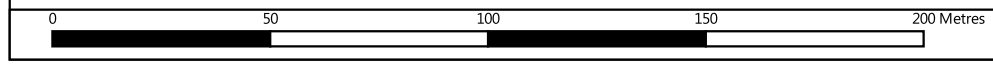
Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N

wood.

**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

**Noise Levels
Future "Build" 2041 Recommended Barriers**

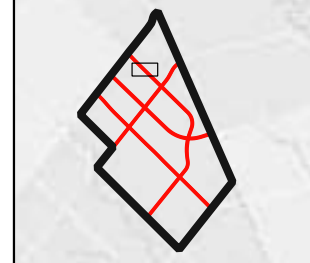
PROJECT NO: TP115086	FIGURE: H-49 of 68
SCALE: 1:1735	DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

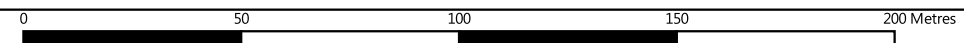
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-50 of 68

SCALE: 1:1735

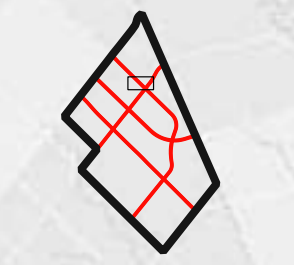
DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

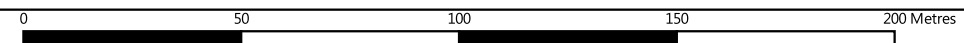
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-51 of 68

SCALE: 1:1735

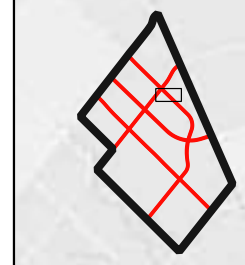
DATE: May 2021





LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

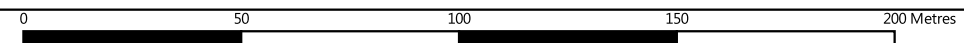
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-52 of 68

SCALE: 1:1735

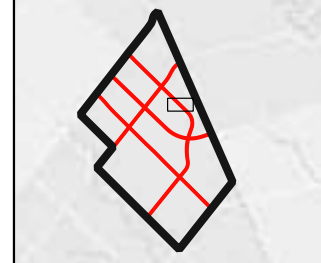
DATE: May 2021





LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

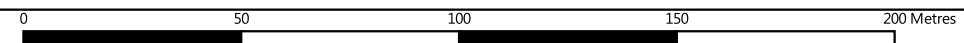
Noise Levels
Future "Build" 2041 Recommended Barriers

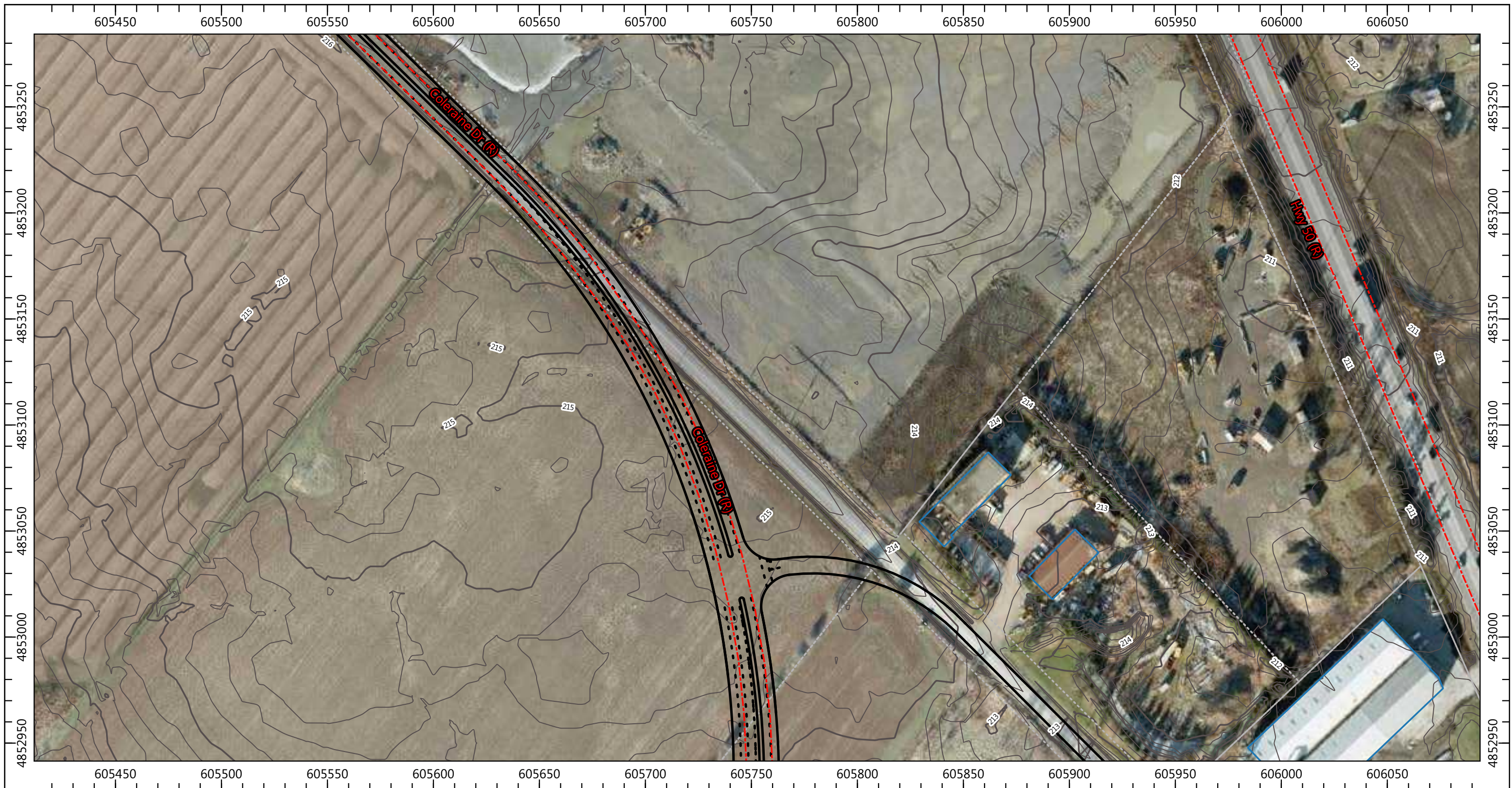
PROJECT NO: TP115086

FIGURE: H-53 of 68

SCALE: 1:1735

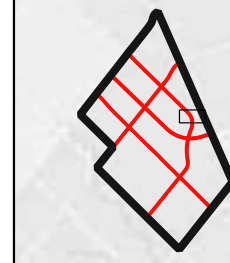
DATE: May 2021





LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

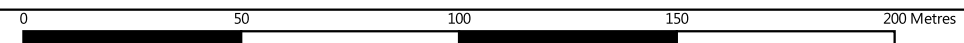
Noise Levels
Future "Build" 2041 Recommended Barriers

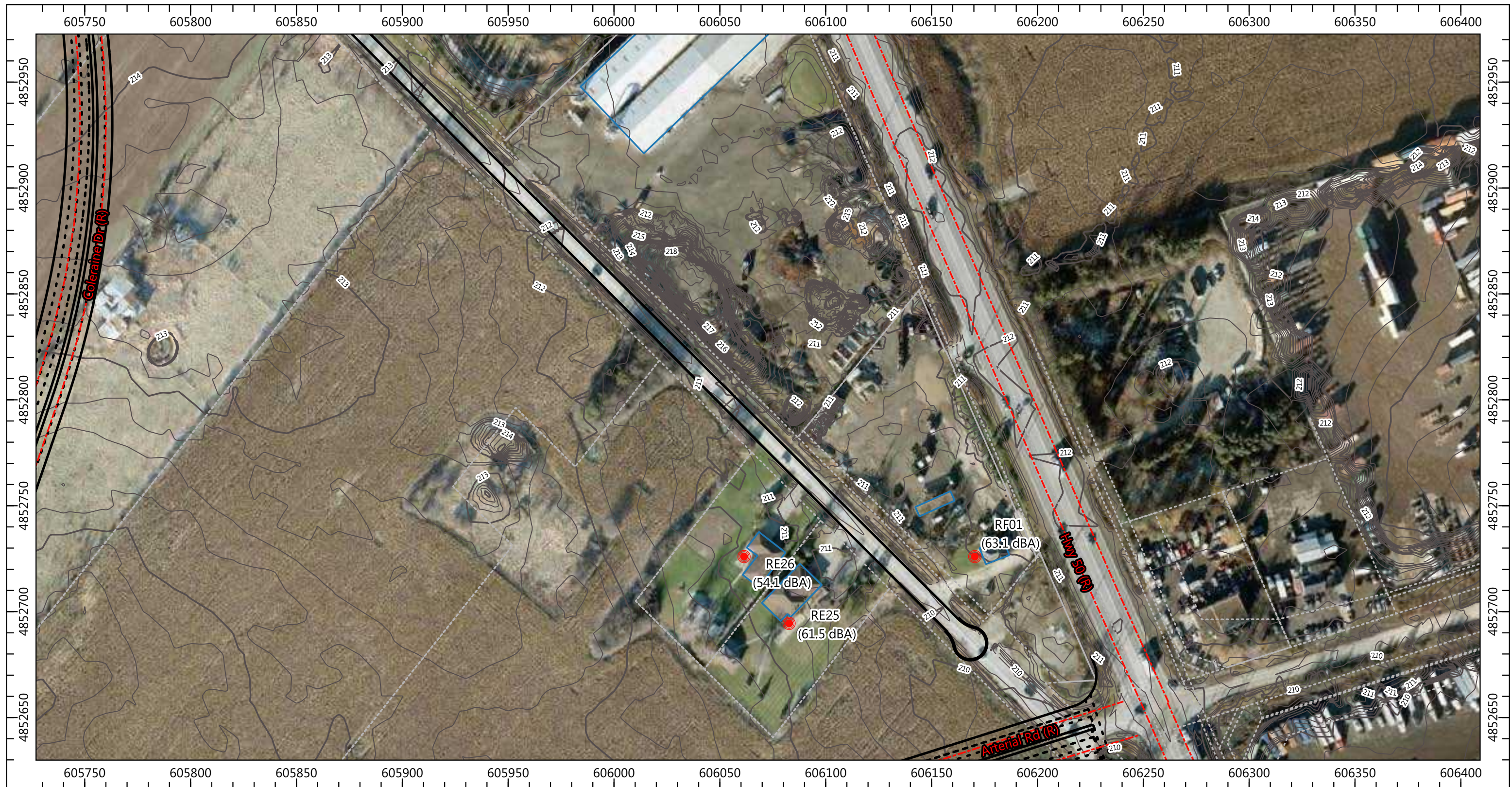
PROJECT NO: TP115086

FIGURE: H-54 of 68

SCALE: 1:1735

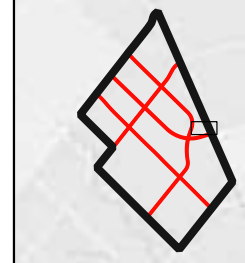
DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line
- Building (removal with new roadway)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

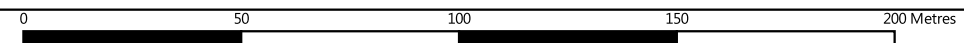
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-55 of 68

SCALE: 1:1735

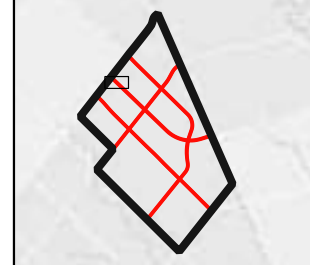
DATE: May 2021





LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

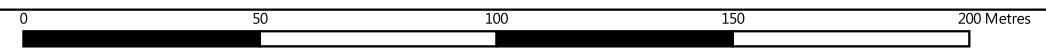
**Noise Levels
Future "Build" 2041 Recommended Barriers**

PROJECT NO: TP115086

FIGURE: H-56 of 68

SCALE: 1:1598

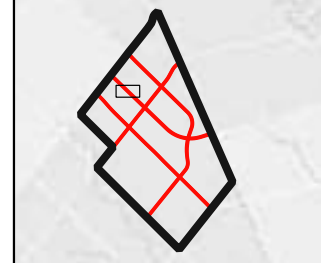
DATE: May 2021





LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

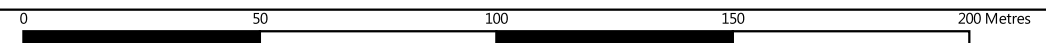
Noise Levels
Future "Build" 2041 Recommended Barriers

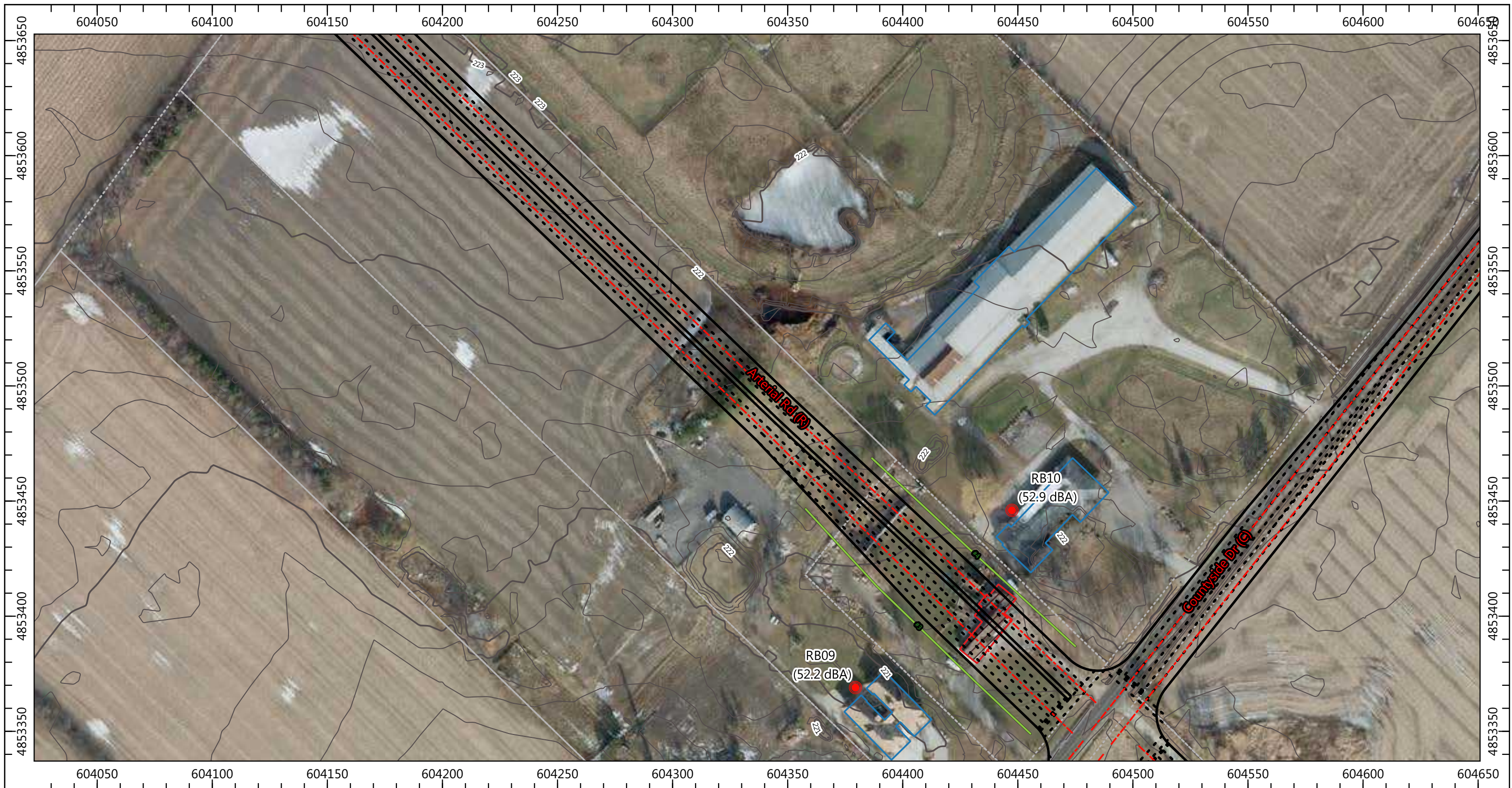
PROJECT NO: TP115086

FIGURE: H-57 of 68

SCALE: 1:1598

DATE: May 2021





LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

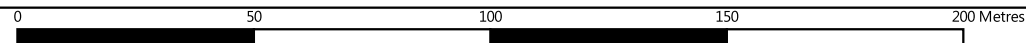
Noise Levels
Future "Build" 2041 Recommended Barriers

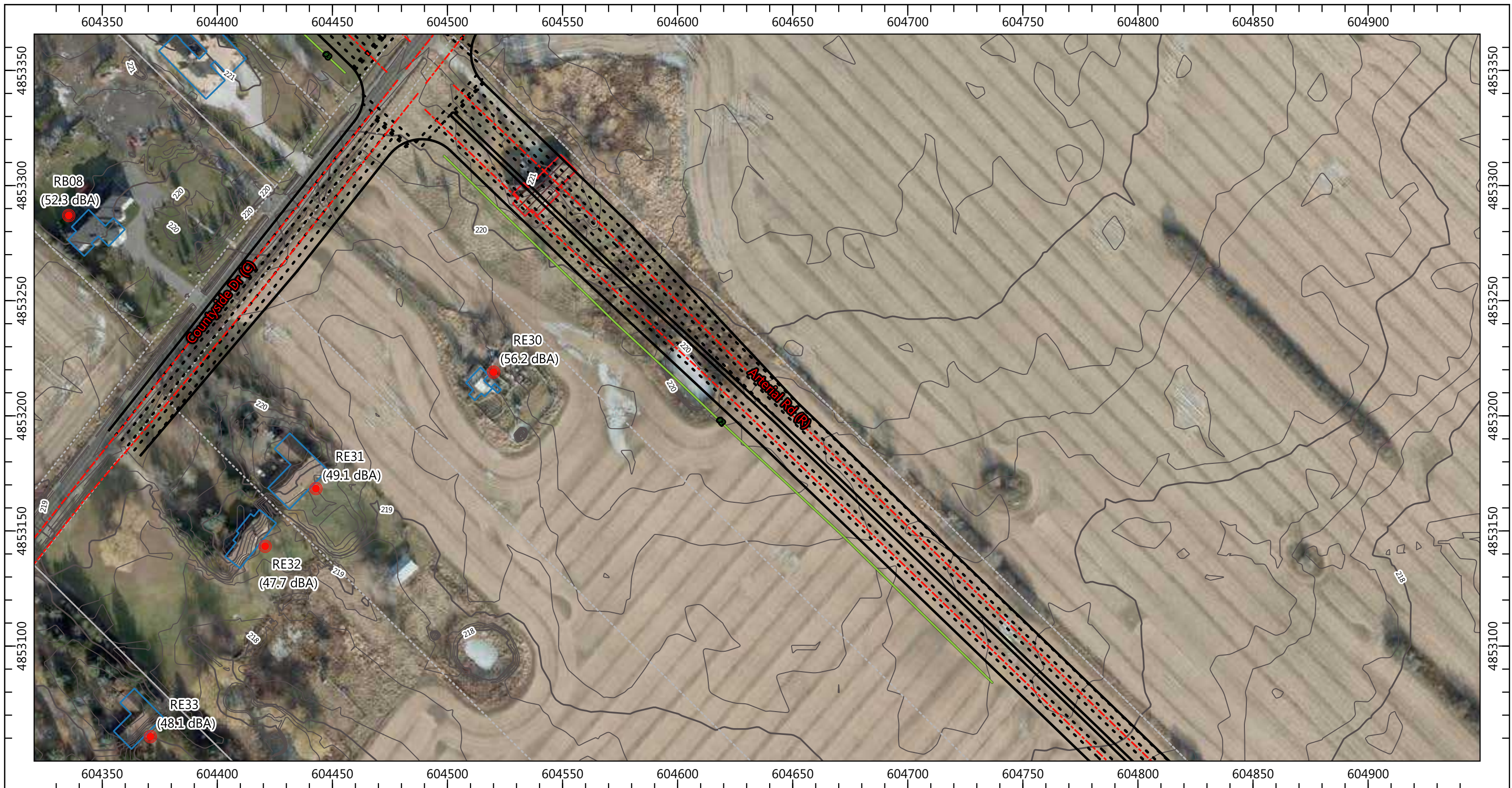
PROJECT NO: TP115086

FIGURE: H-58 of 68

SCALE: 1:1598

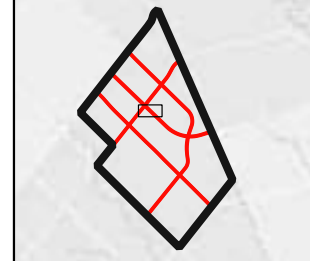
DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

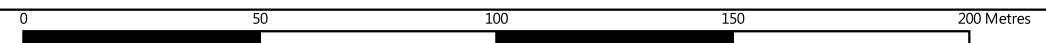
Noise Levels
Future "Build" 2041 Recommended Barriers

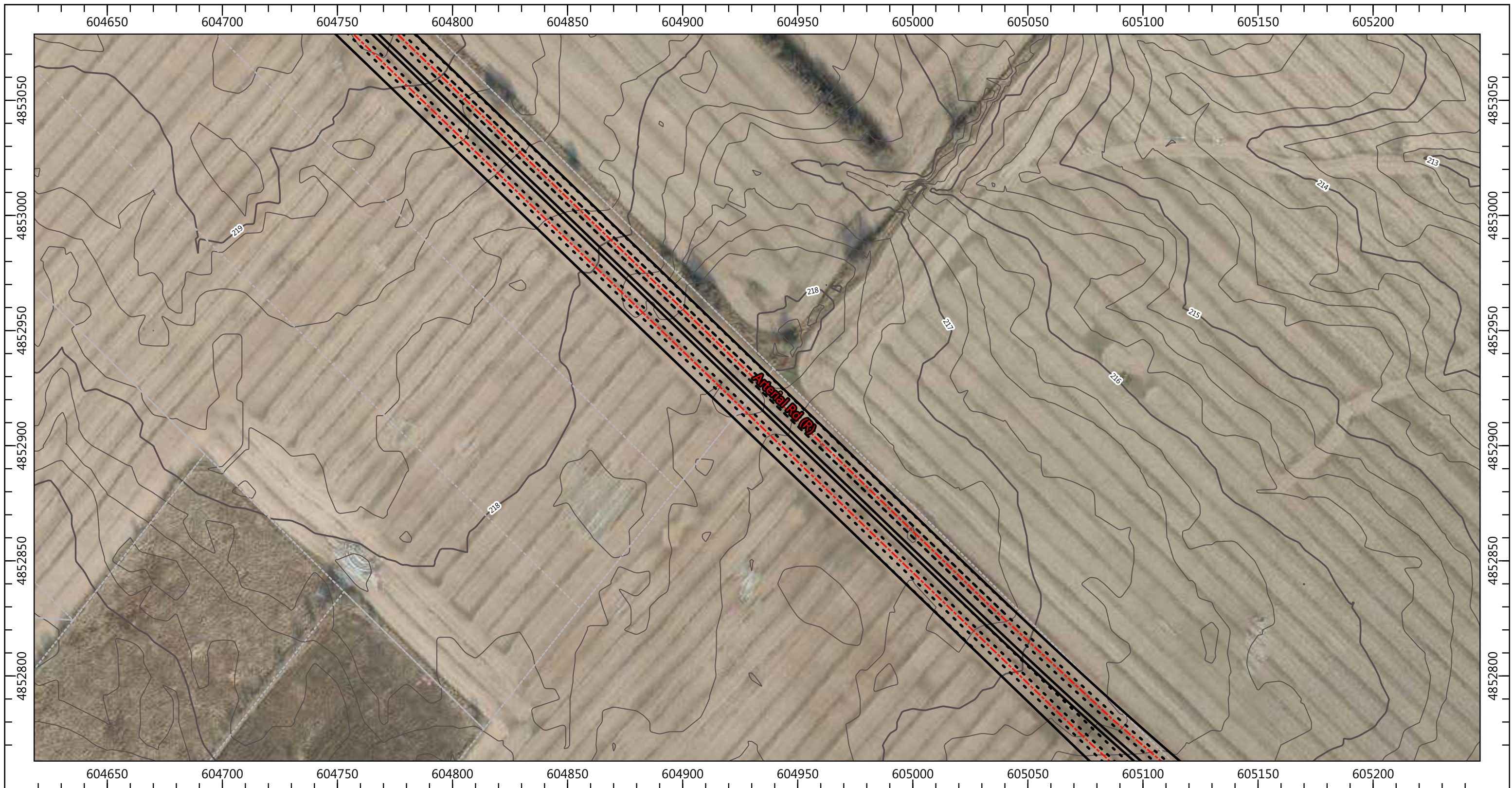
PROJECT NO: TP115086

FIGURE: H-59 of 68

SCALE: 1:1598

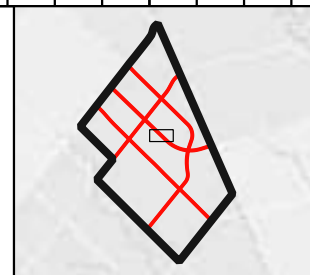
DATE: May 2021





LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

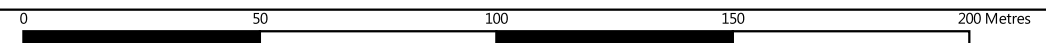
Noise Levels
Future "Build" 2041 Recommended Barriers

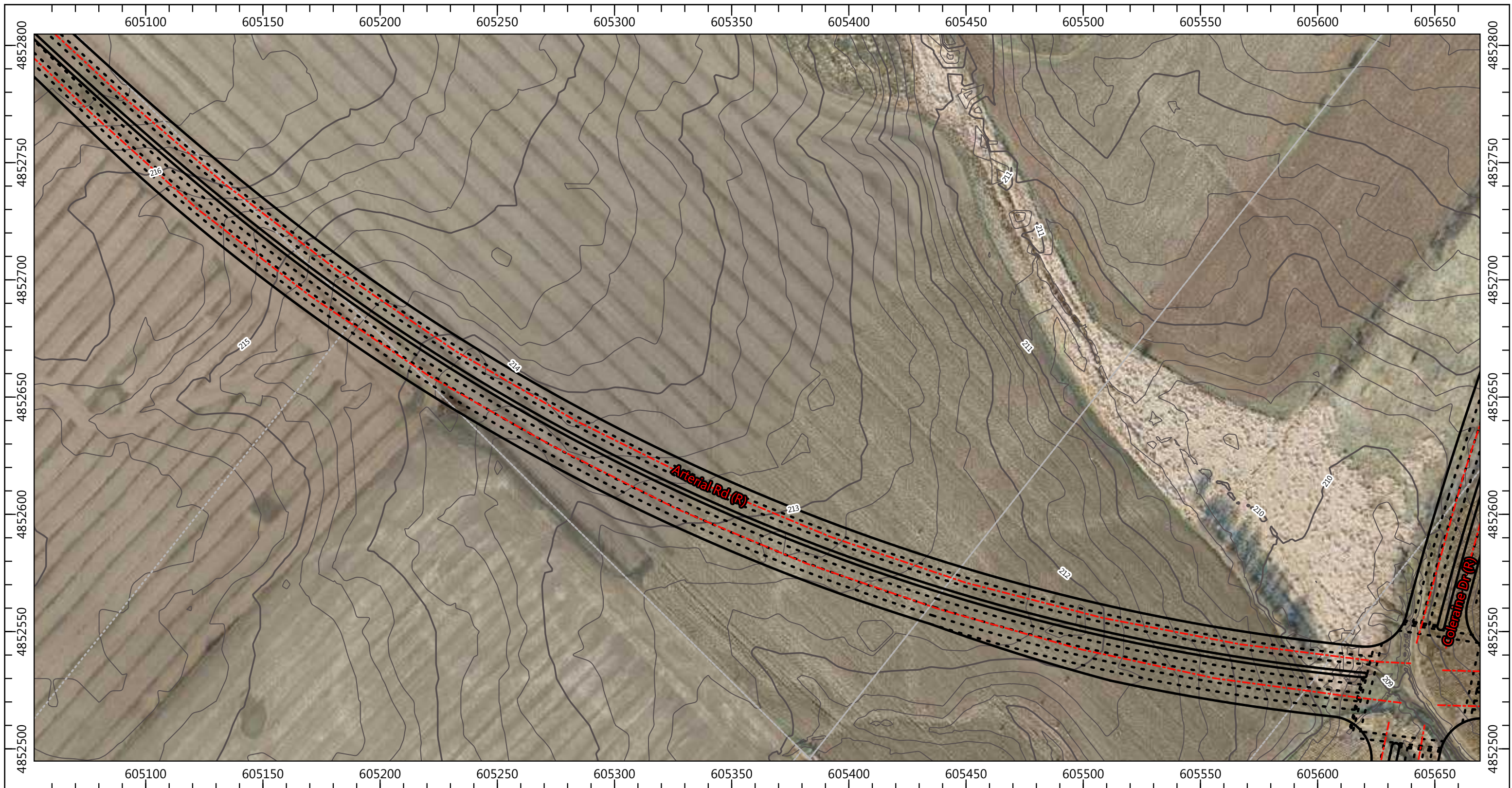
PROJECT NO: TP115086

FIGURE: H-60 of 68

SCALE: 1:1598

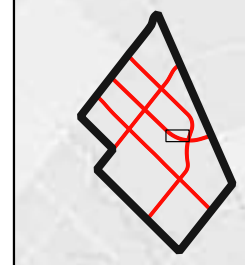
DATE: May 2021





LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

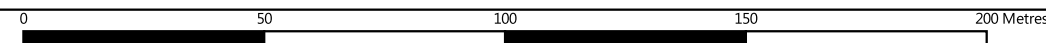
Noise Levels
Future "Build" 2041 Recommended Barriers

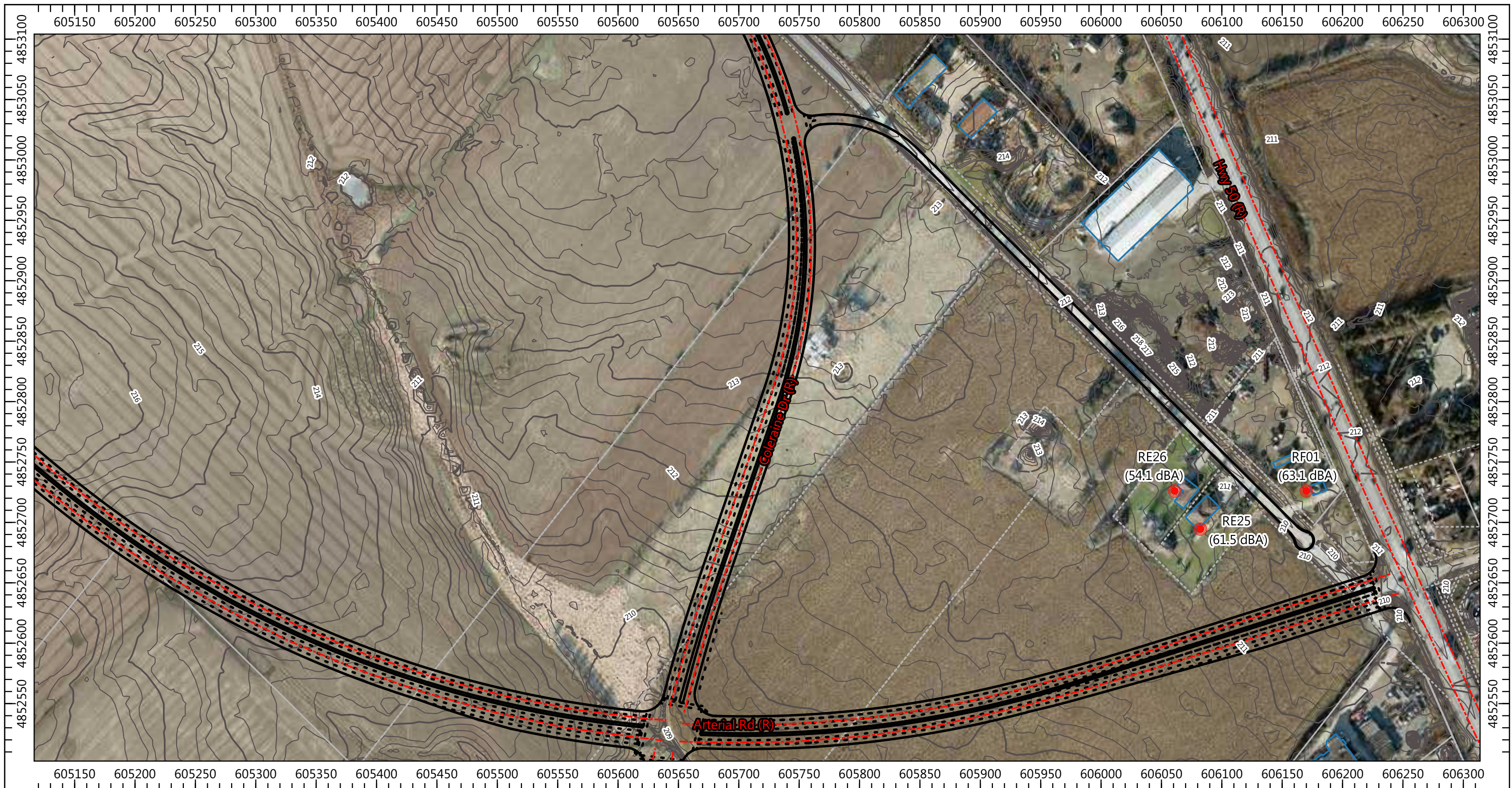
PROJECT NO: TP115086

FIGURE: H-61 of 68

SCALE: 1:1569

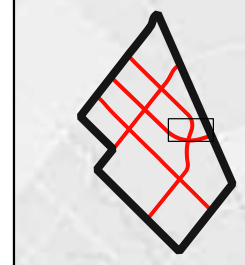
DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

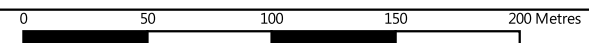
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-62 of 68

SCALE: 1:3045

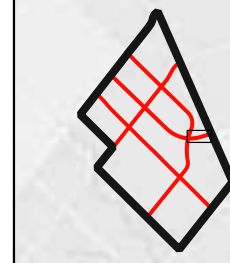
DATE: May 2021





LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

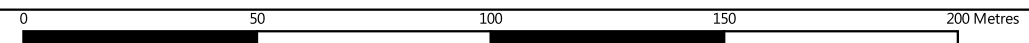
Noise Levels
Future "Build" 2041 Recommended Barriers

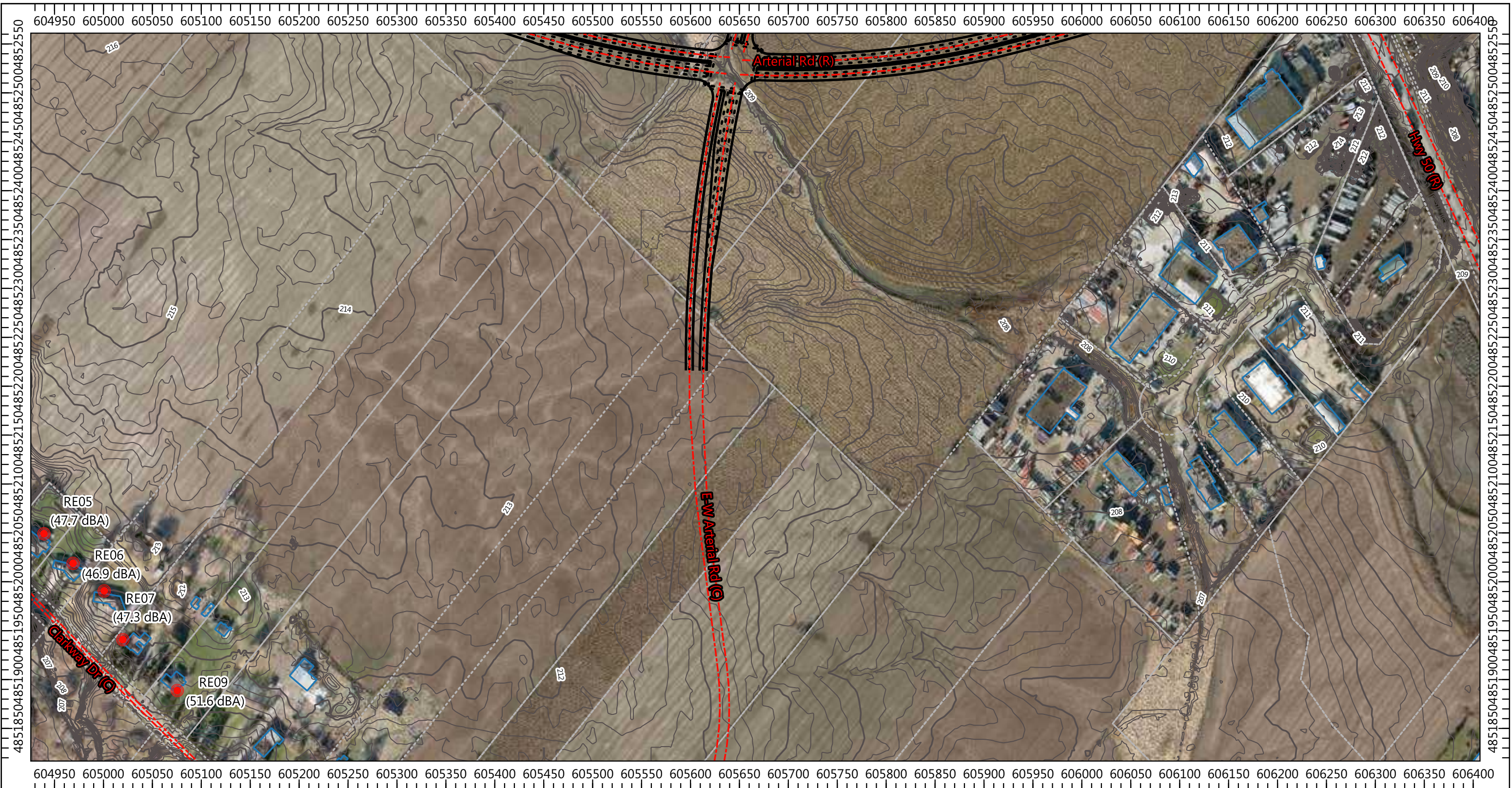
PROJECT NO: TP115086

FIGURE: H-63 of 68

SCALE: 1:1617

DATE: May 2021






LEGEND

- Receptor
- Building
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)


0 50 100 150 200 Metres



**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

**Noise Levels
Future "Build" 2041 Recommended Barriers**

Source: ESRI
 Datum & Projection:
 NAD83 / UTM zone 17N



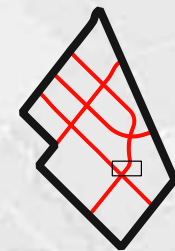
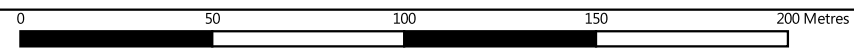
PROJECT NO: TP115086
 SCALE: 1:3767

FIGURE: H-64 of 68
 DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

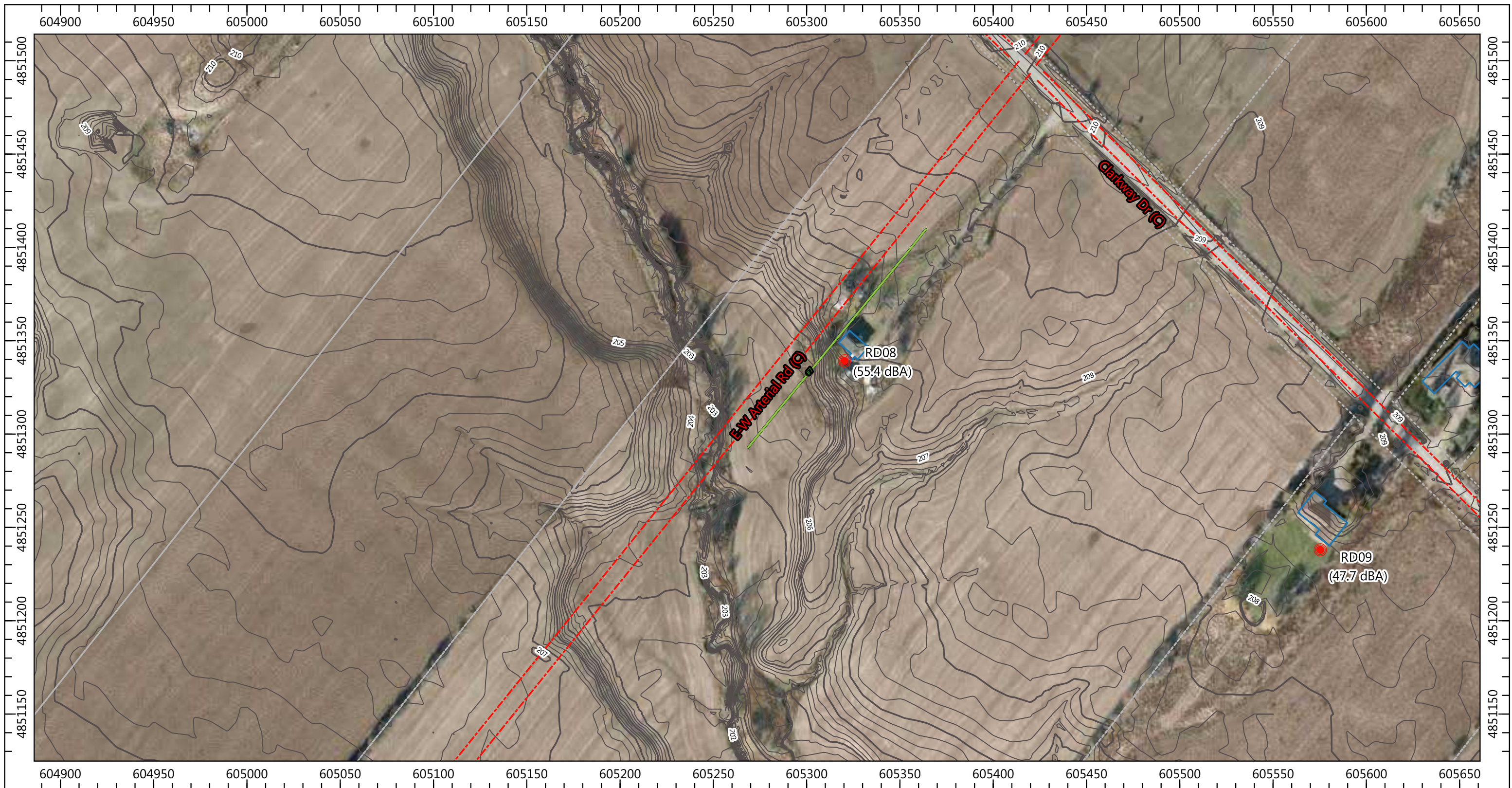
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-65 of 68

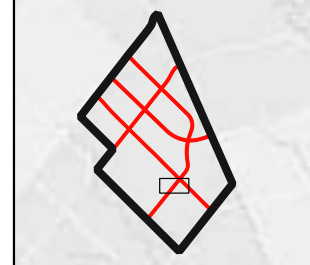
SCALE: 1:1969

DATE: May 2021



LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

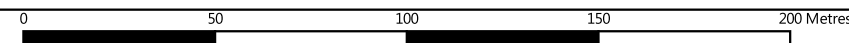
Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-66 of 68

SCALE: 1:1971

DATE: May 2021





LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Recommended Barrier (4m above grade)

Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N

**Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)**

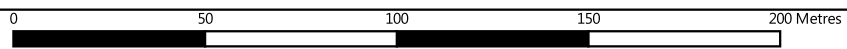
**Noise Levels
Future "Build" 2041 Recommended Barriers**

PROJECT NO: TP115086	FIGURE: H-67 of 68
SCALE: 1:1971	DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Recommended Barrier (4m above grade)
- Contour Line



Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

Road Traffic Noise Impact Assessment
Industrial Secondary Plan Area (Area 47)

Noise Levels
Future "Build" 2041 Recommended Barriers

PROJECT NO: TP115086

FIGURE: H-68 of 68

SCALE: 1:1971

DATE: May 2021