

APPENDIX

N ROAD TRAFFIC NOISE IMPACT STUDY



APPENDIX

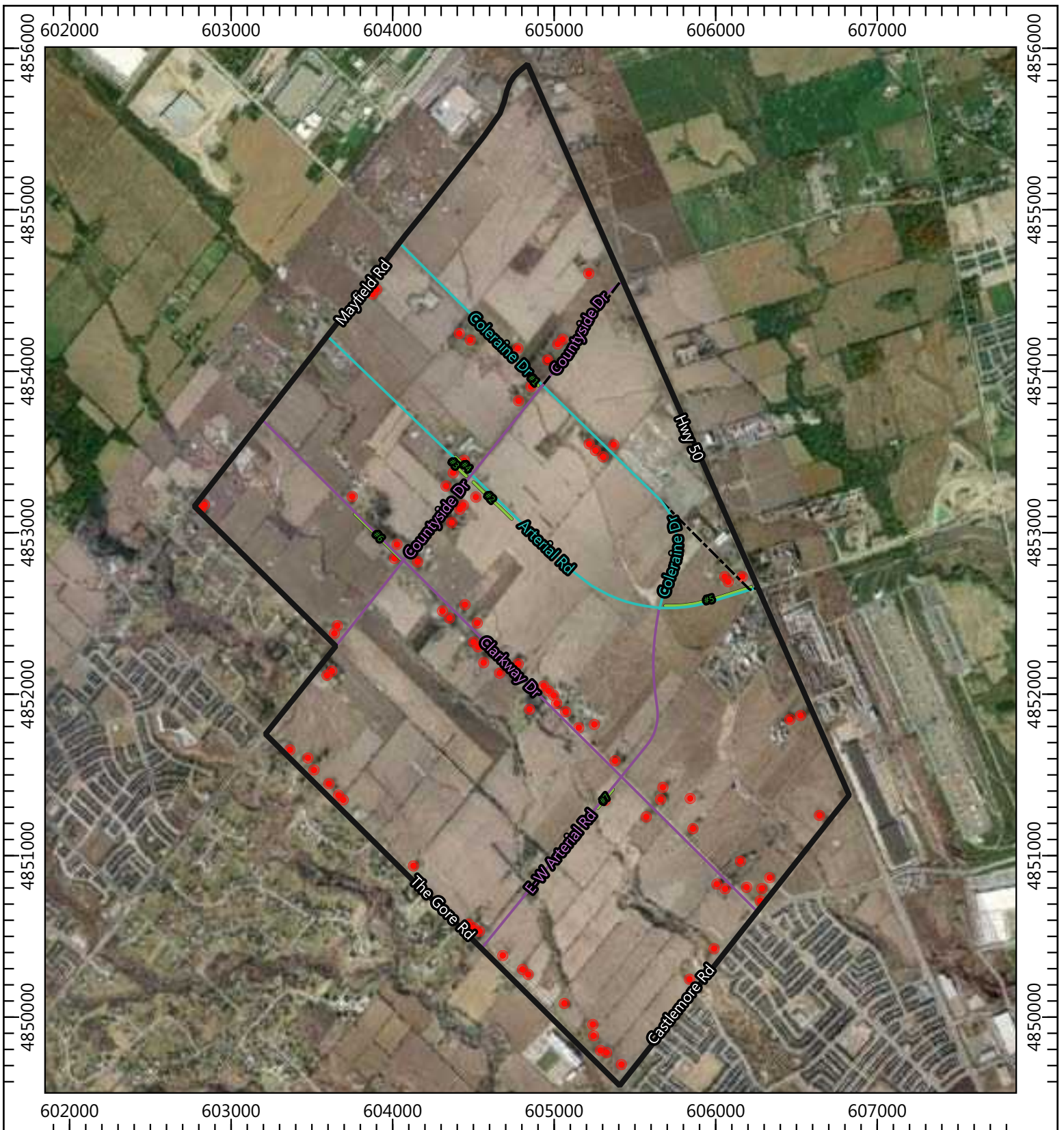
N-5 ROAD TRAFFIC NOISE IMPACT STUDY (APPENDIX F)



Appendix F

Future “build” 2041 Barrier Investigation

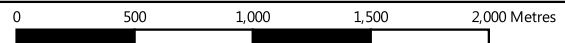




LEGEND

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

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



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

**Overview
 Future "Build" 2041 Barrier Investigation**

PROJECT NO: TP115086

FIGURE: F-1

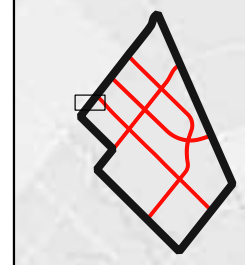
SCALE: 1:32000

DATE: May 2021



LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

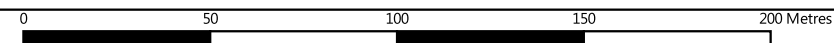
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-2 of 68

SCALE: 1:2023

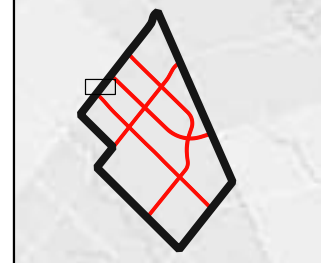
DATE: May 2021





LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

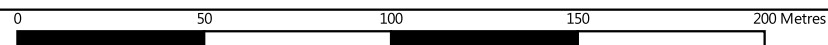
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-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)
- Investigated Barrier (4m above grade)

0 50 100 150 200 Metres

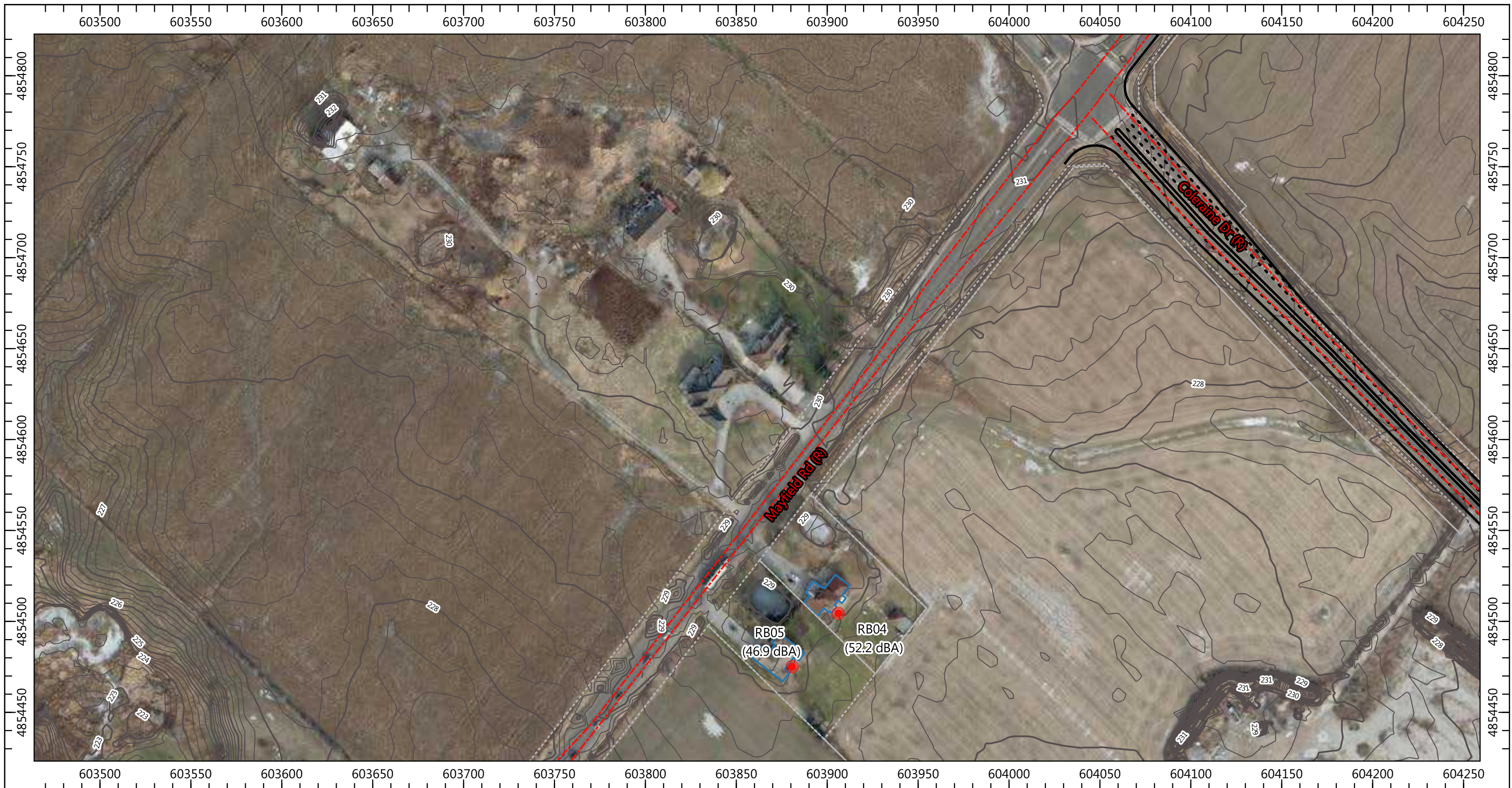
Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N

wood.

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

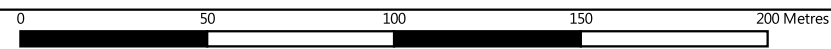
**Noise Levels
Future "Build" 2041 Barrier Investigation**

PROJECT NO: TP115086	FIGURE: F-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)
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-5 of 68

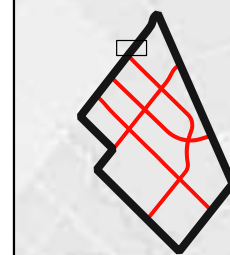
SCALE: 1:2023

DATE: May 2021



LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

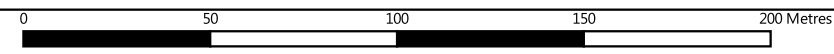
Noise Levels
Future "Build" 2041 Barrier Investigation

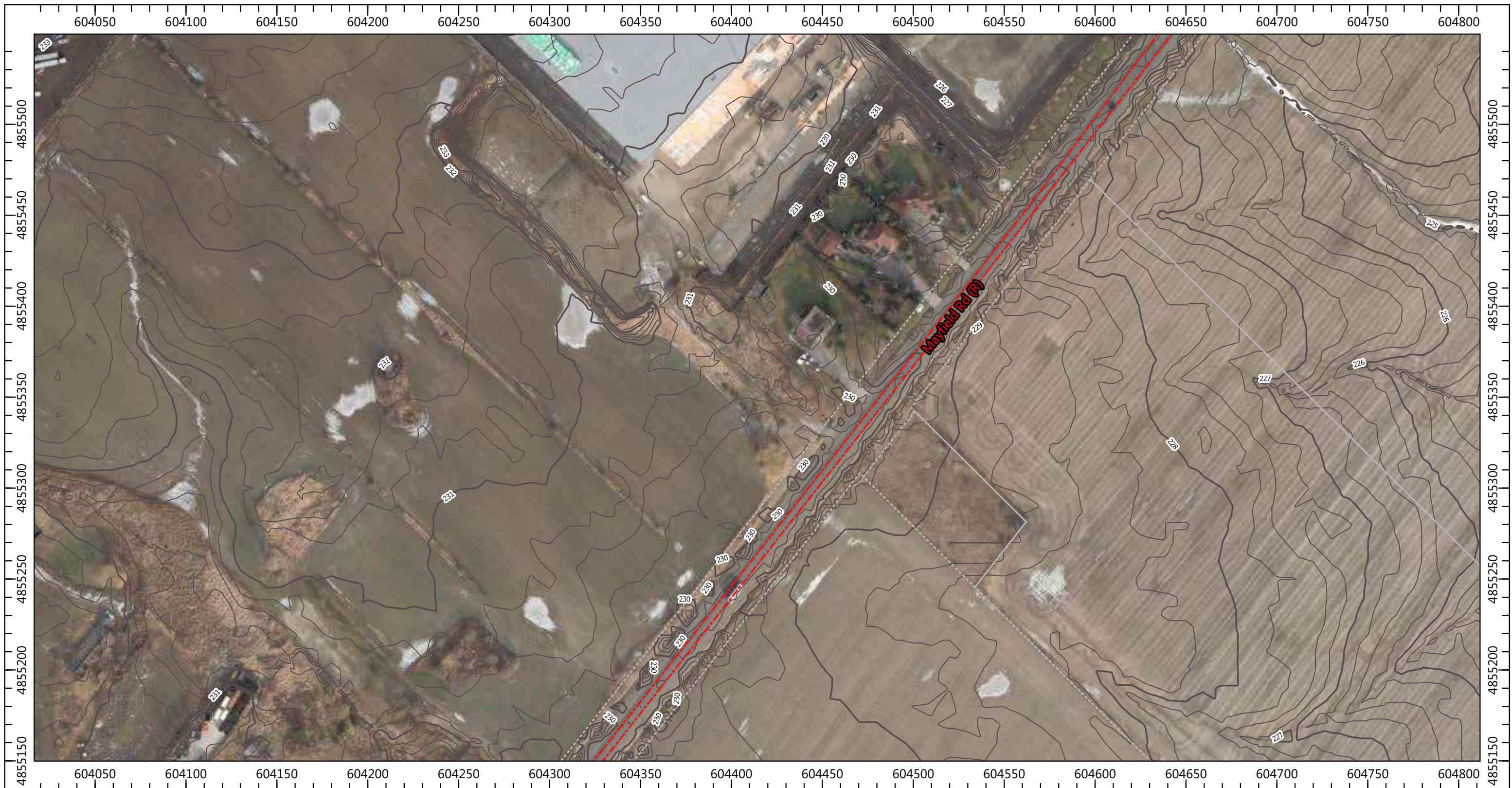
PROJECT NO: TP115086

FIGURE: F-6 of 68

SCALE: 1:2023

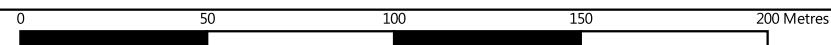
DATE: May 2021





LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-7 of 68

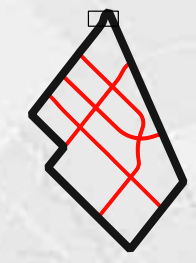
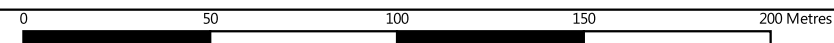
SCALE: 1:2023

DATE: May 2021



LEGEND

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



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



wood.

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

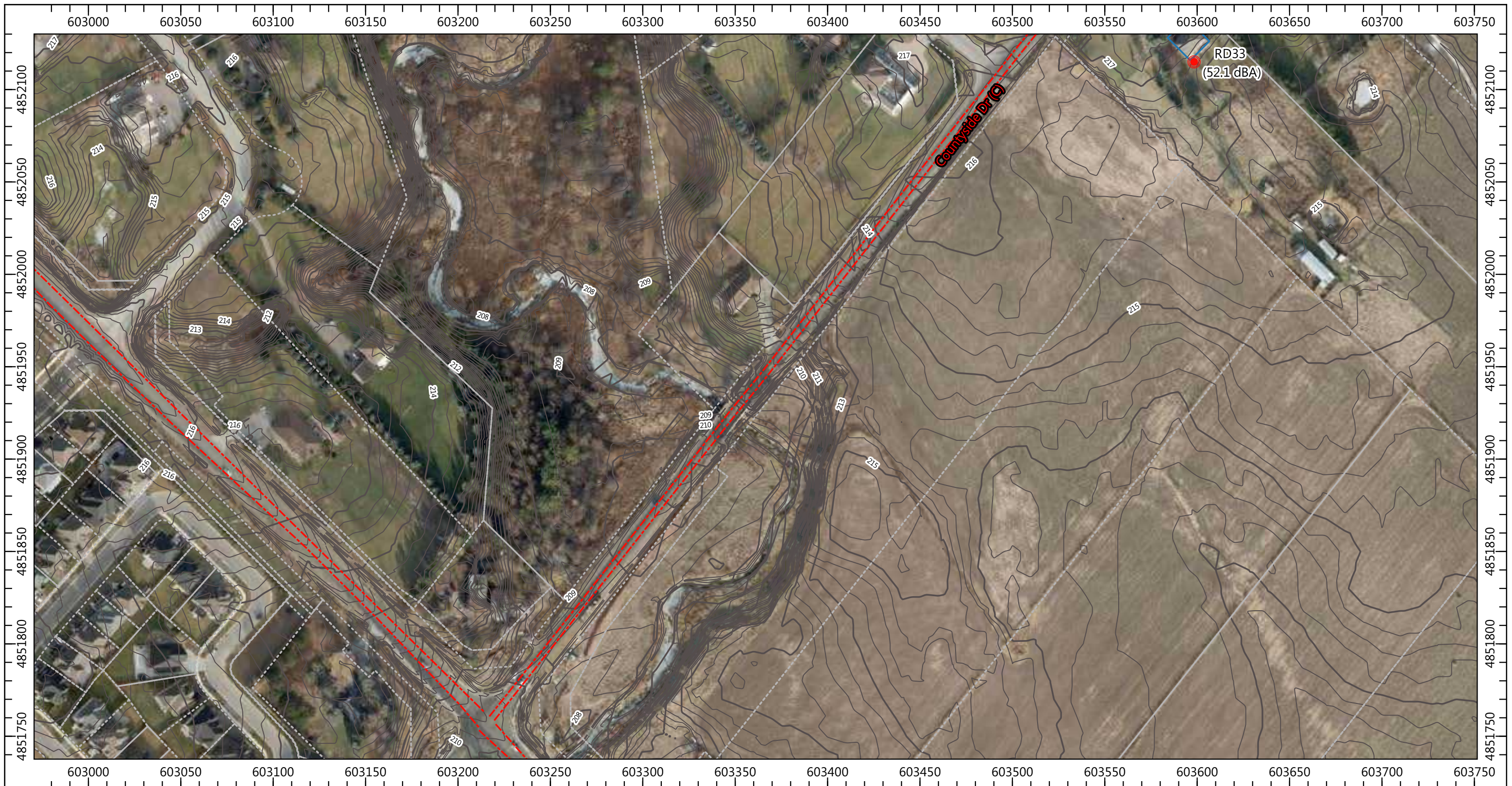
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-8 of 68

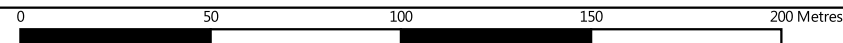
SCALE: 1:2023

DATE: May 2021



LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-9 of 68

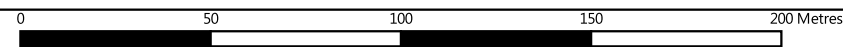
SCALE: 1:1986

DATE: May 2021



LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-10 of 68

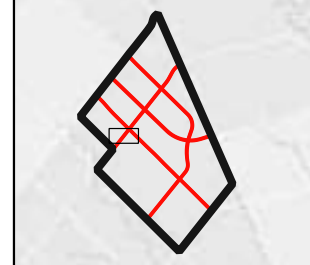
SCALE: 1:1986

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- (R): Regional Road
- (C): City Road
- Investigated 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)**

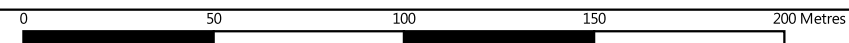
**Noise Levels
Future "Build" 2041 Barrier Investigation**

PROJECT NO: TP115086

FIGURE: F-11 of 68

SCALE: 1:1986

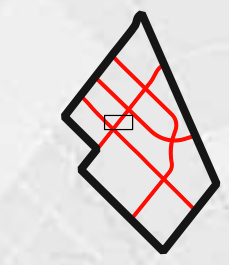
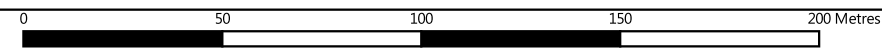
DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Investigated Barrier (4m above grade)
- (R): Regional Road
- (C): City Road
- 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)

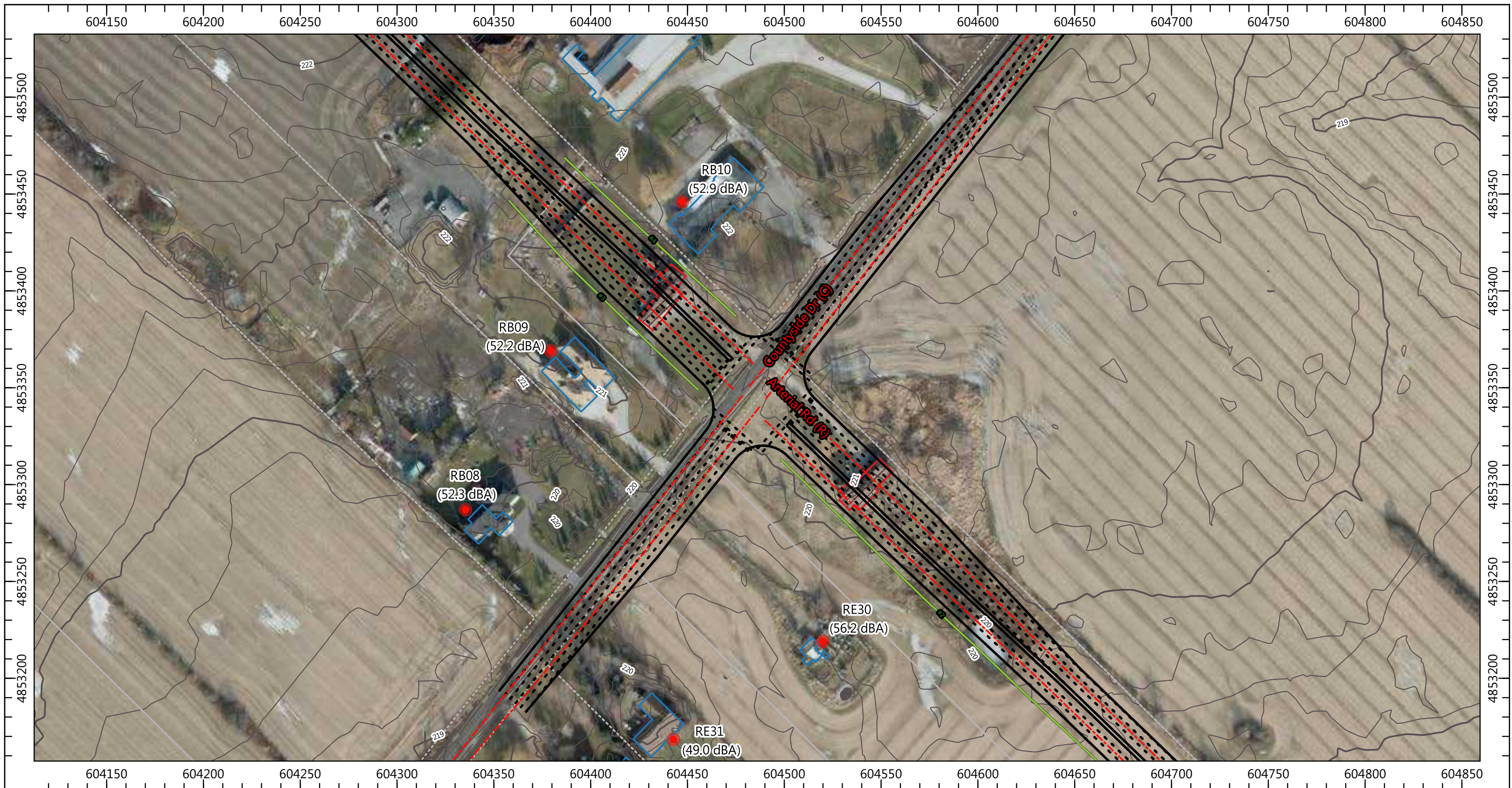
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-12 of 68

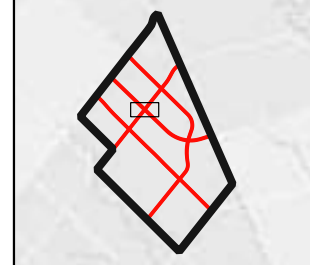
SCALE: 1:1899

DATE: May 2021



LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

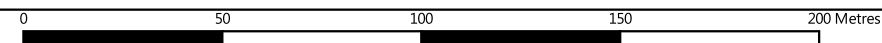
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-13 of 68

SCALE: 1:1899

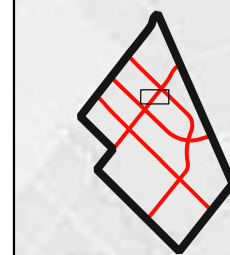
DATE: May 2021





LEGEND

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



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



wood.

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

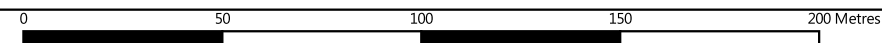
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-14 of 68

SCALE: 1:1899

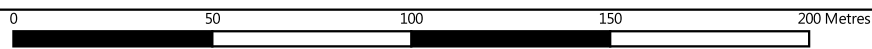
DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Investigated Barrier (4m above grade)
- (R): Regional Road
- (C): City Road
- 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)

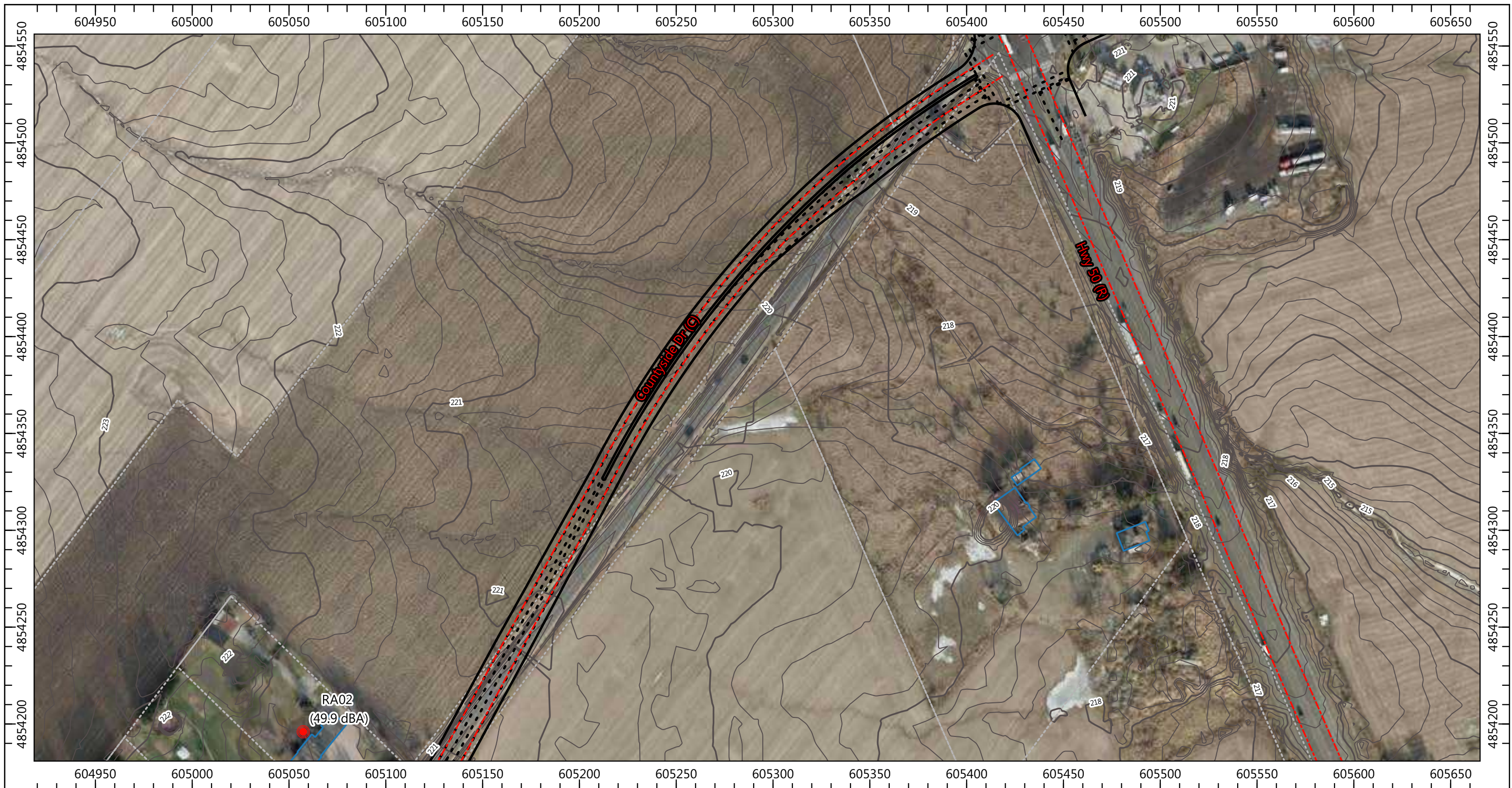
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-15 of 68

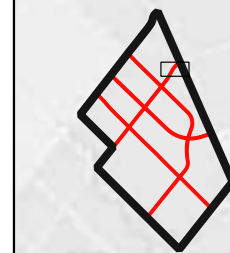
SCALE: 1:1899

DATE: May 2021



LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

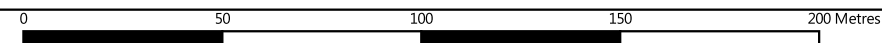
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-16 of 68

SCALE: 1:1899

DATE: May 2021






LEGEND

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


0 50 100 150 200 Metres



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

**Noise Levels
Future "Build" 2041 Barrier Investigation**

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



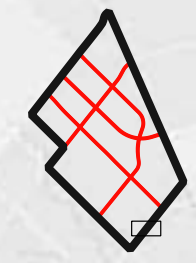
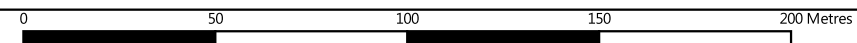
PROJECT NO: TP115086
 SCALE: 1:1969

FIGURE: F-17 of 68
 DATE: May 2021



LEGEND

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



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



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

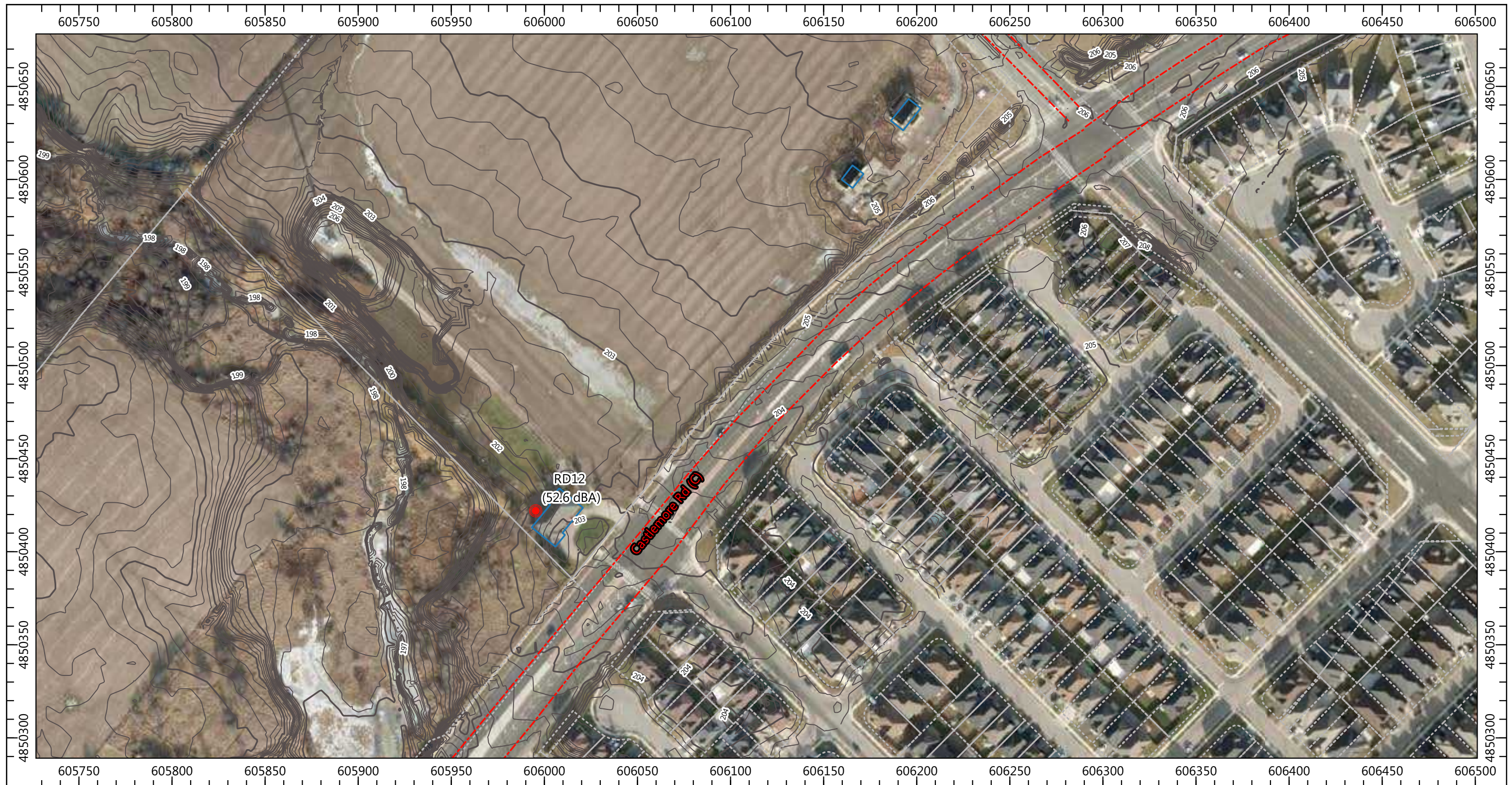
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-18 of 68

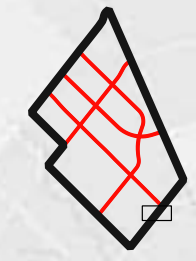
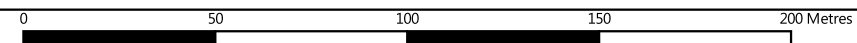
SCALE: 1:1969

DATE: May 2021



LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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 Barrier Investigation**

PROJECT NO: TP115086

FIGURE: F-19 of 68

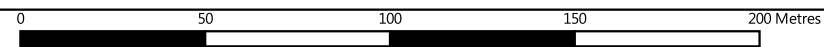
SCALE: 1:1969

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

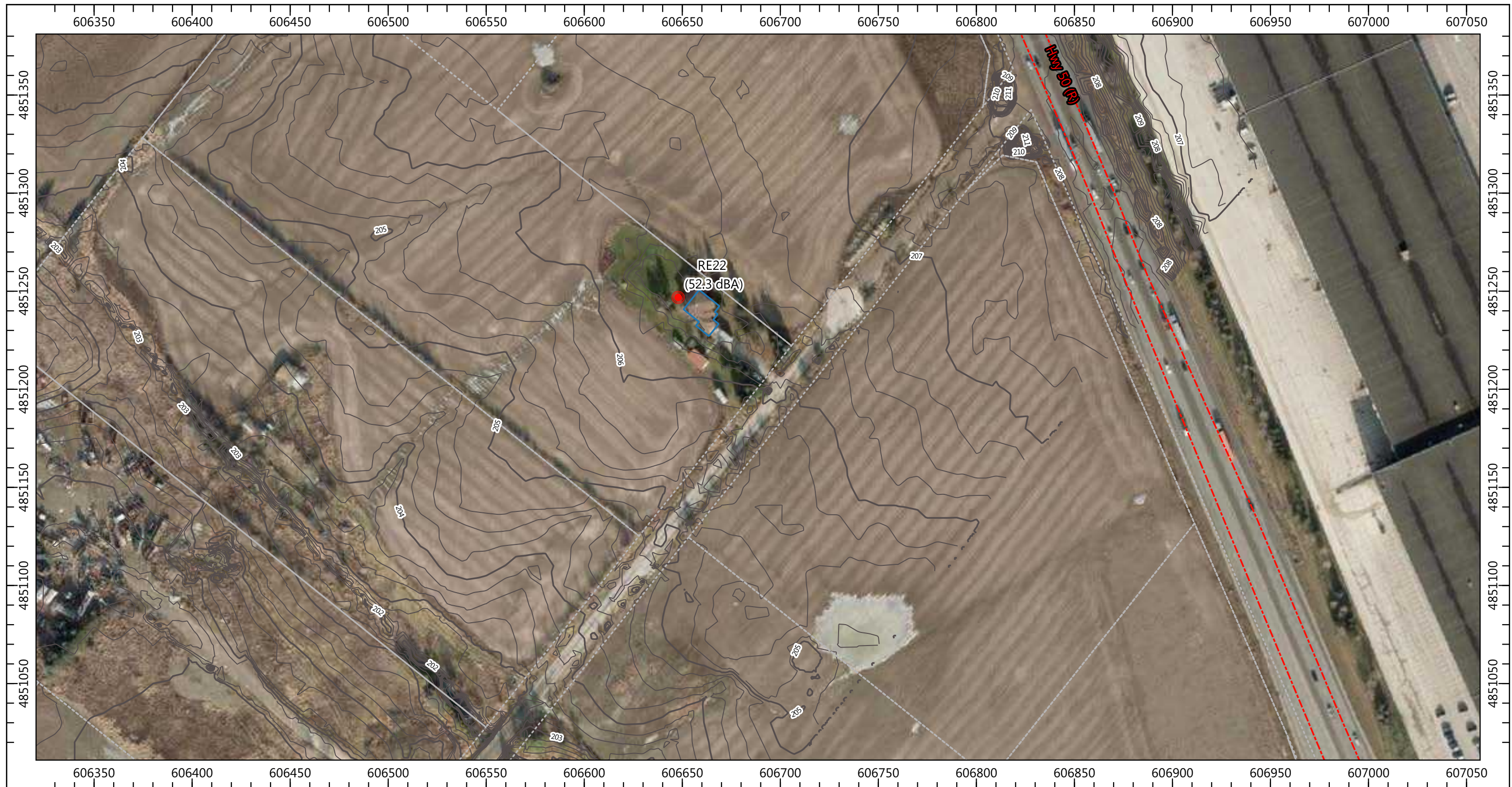
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-20 of 68

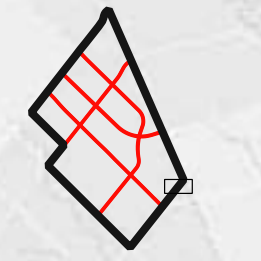
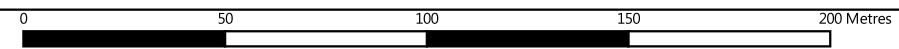
SCALE: 1:2045

DATE: May 2021



LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-21 of 68

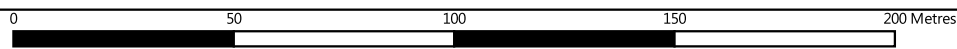
SCALE: 1:1873

DATE: May 2021



LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-22 of 68

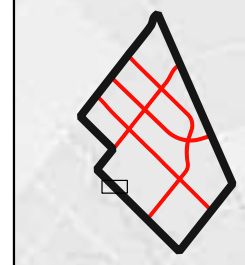
SCALE: 1:1715

DATE: May 2021



LEGEND

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



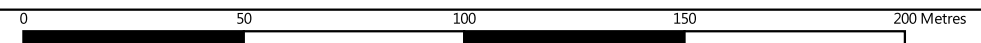
Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

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

Noise Levels
Future "Build" 2041 Barrier Investigation



PROJECT NO: TP115086

FIGURE: F-23 of 68

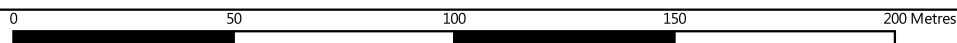
SCALE: 1:1715

DATE: May 2021



LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-24 of 68

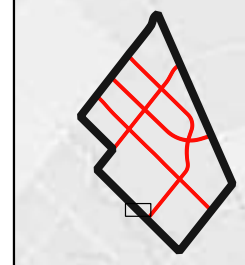
SCALE: 1:1715

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

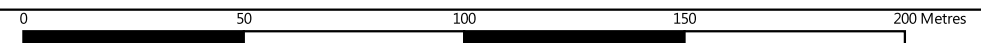
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-25 of 68

SCALE: 1:1715

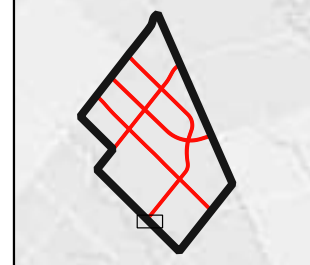
DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

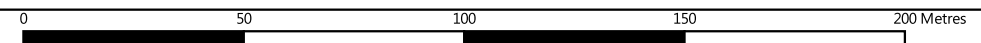
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-26 of 68

SCALE: 1:1715

DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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 Barrier Investigation

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



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

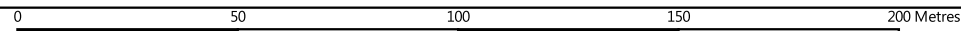
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-28 of 68

SCALE: 1:1715

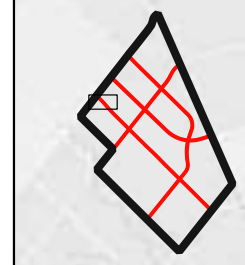
DATE: May 2021





LEGEND

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



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



wood.

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

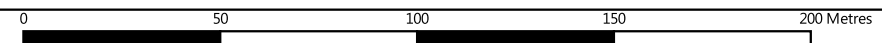
Noise Levels
Future "Build" 2041 Barrier Investigation

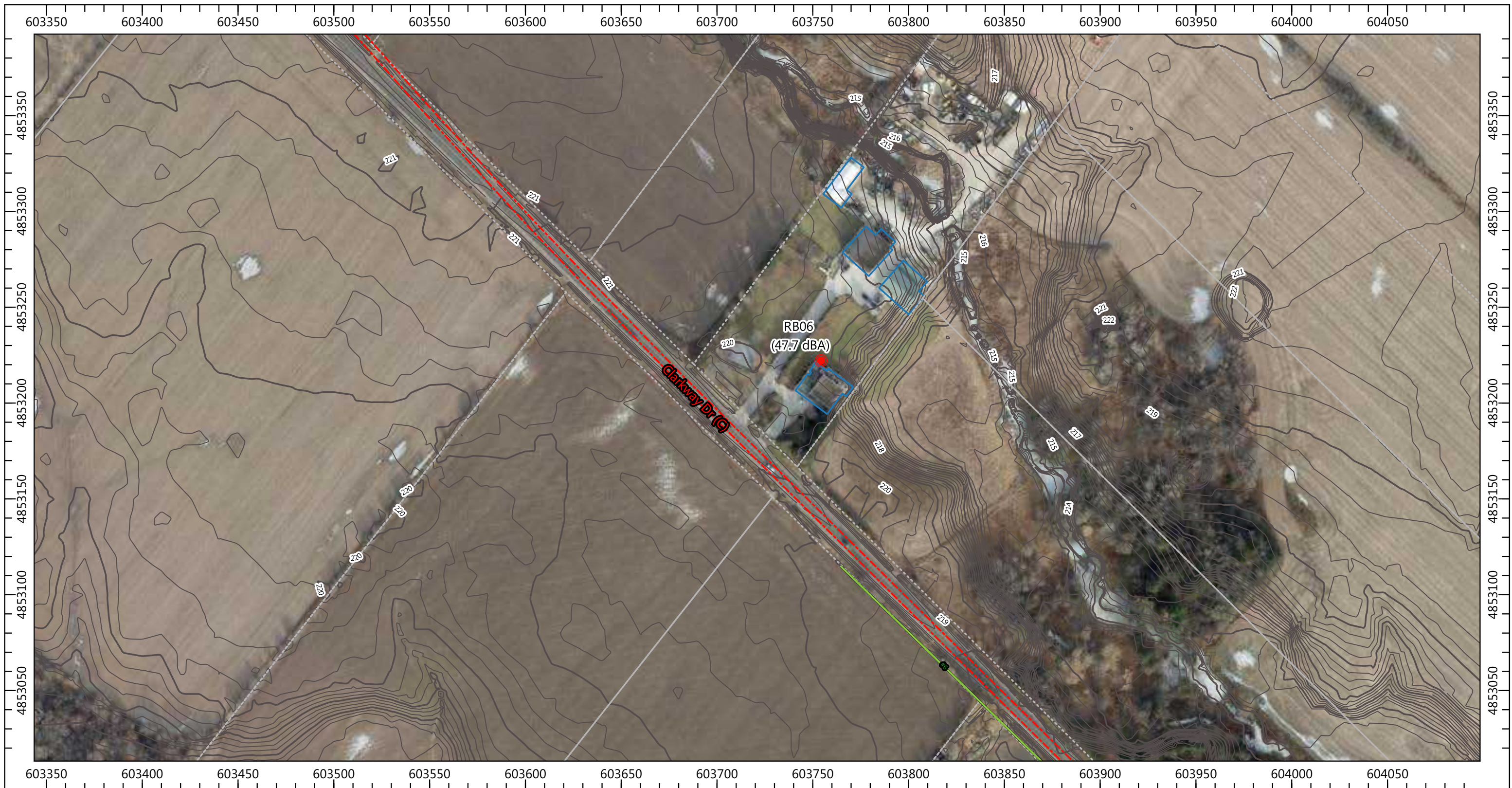
PROJECT NO: TP115086

FIGURE: F-29 of 68

SCALE: 1:1920

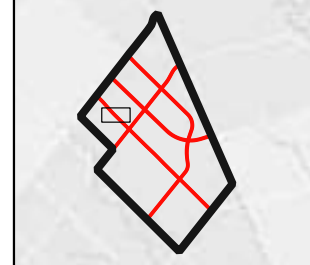
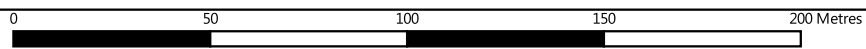
DATE: May 2021





LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-30 of 68

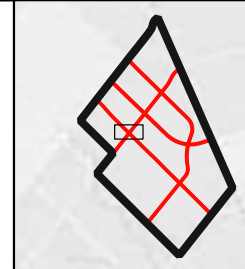
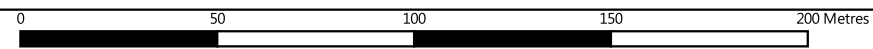
SCALE: 1:1920

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-31 of 68

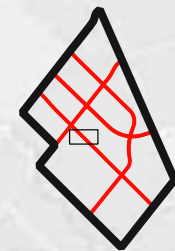
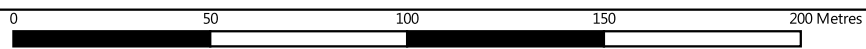
SCALE: 1:1920

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-32 of 68

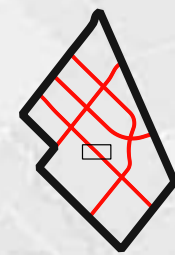
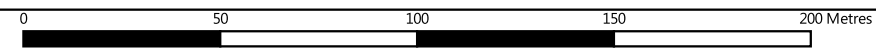
SCALE: 1:1920

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-33 of 68

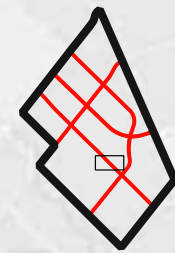
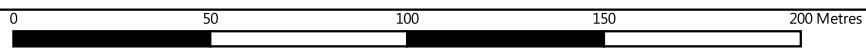
SCALE: 1:1920

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-34 of 68

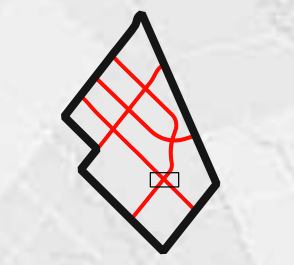
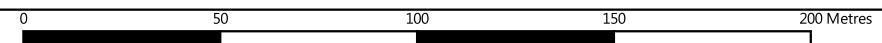
SCALE: 1:1920

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building (removal with new roadway)
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-35 of 68

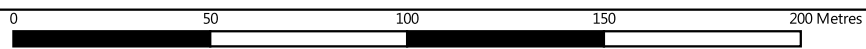
SCALE: 1:1920

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- (R): Regional Road
- (C): City Road
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-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)
- Investigated Barrier (4m above grade)


0 50 100 150 200 Metres



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

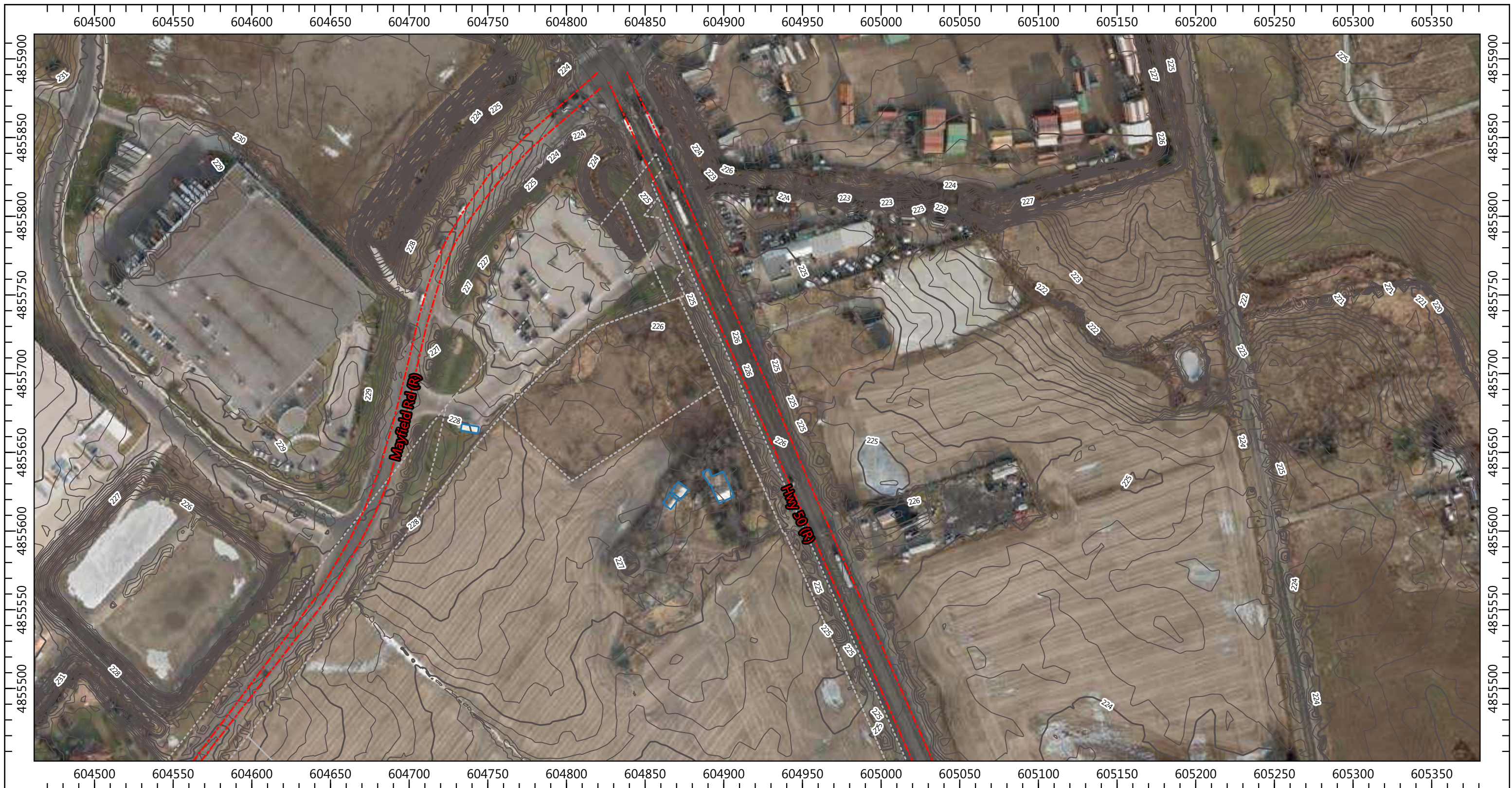
Noise Levels
Future "Build" 2041 Barrier Investigation

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



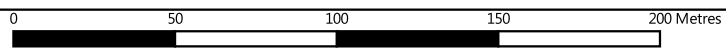
PROJECT NO: TP115086
 SCALE: 1:1920

FIGURE: F-37 of 68
 DATE: May 2021



LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-38 of 68

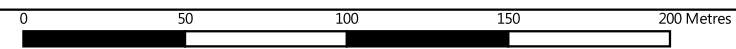
SCALE: 1:2338

DATE: May 2021



LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-39 of 68

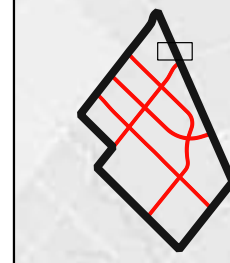
SCALE: 1:2338

DATE: May 2021



LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

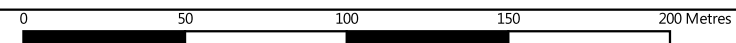
Noise Levels
Future "Build" 2041 Barrier Investigation

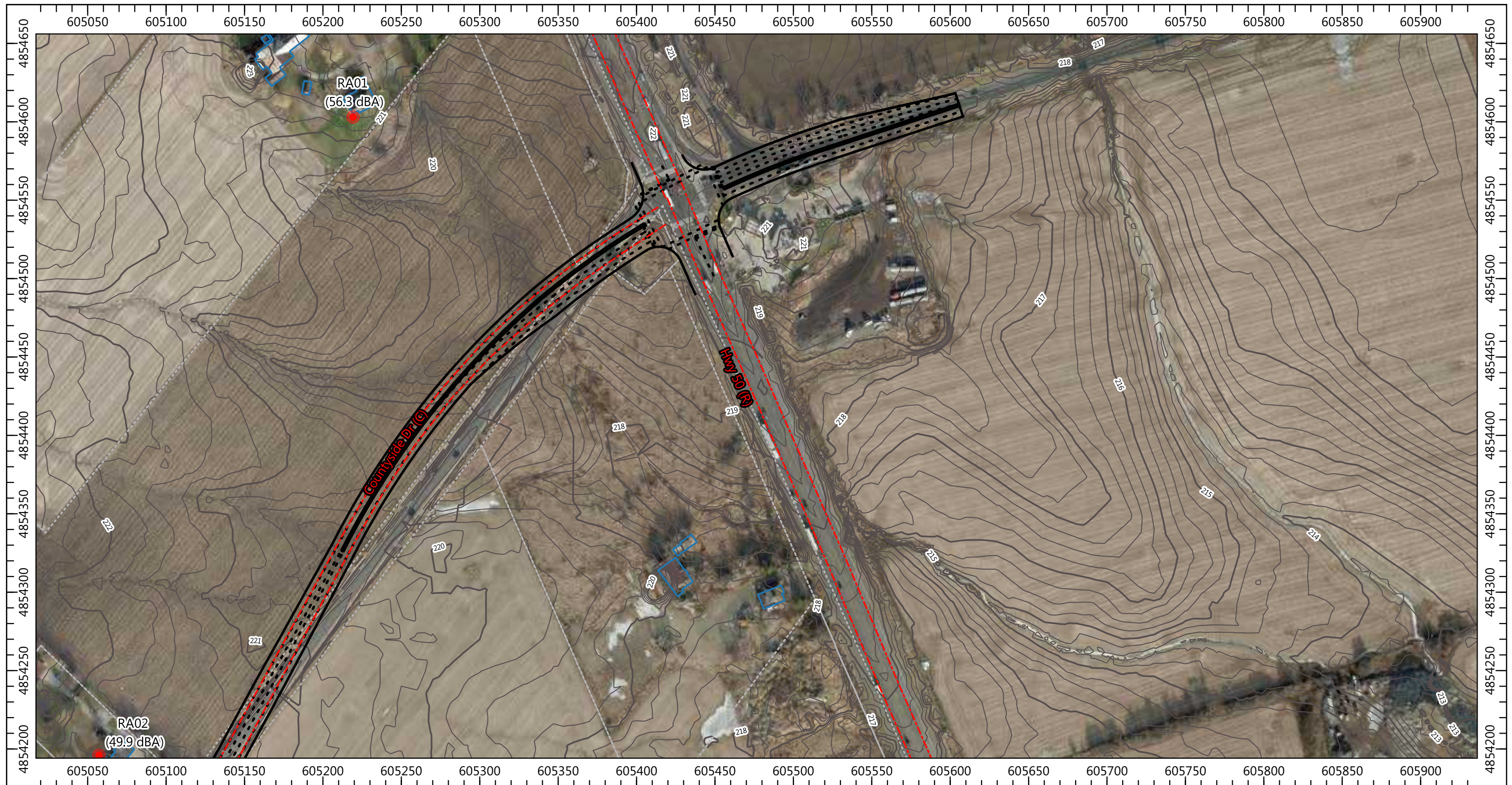
PROJECT NO: TP115086

FIGURE: F-40 of 68

SCALE: 1:2338

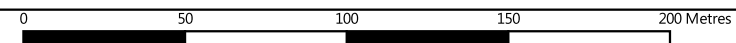
DATE: May 2021





LEGEND

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



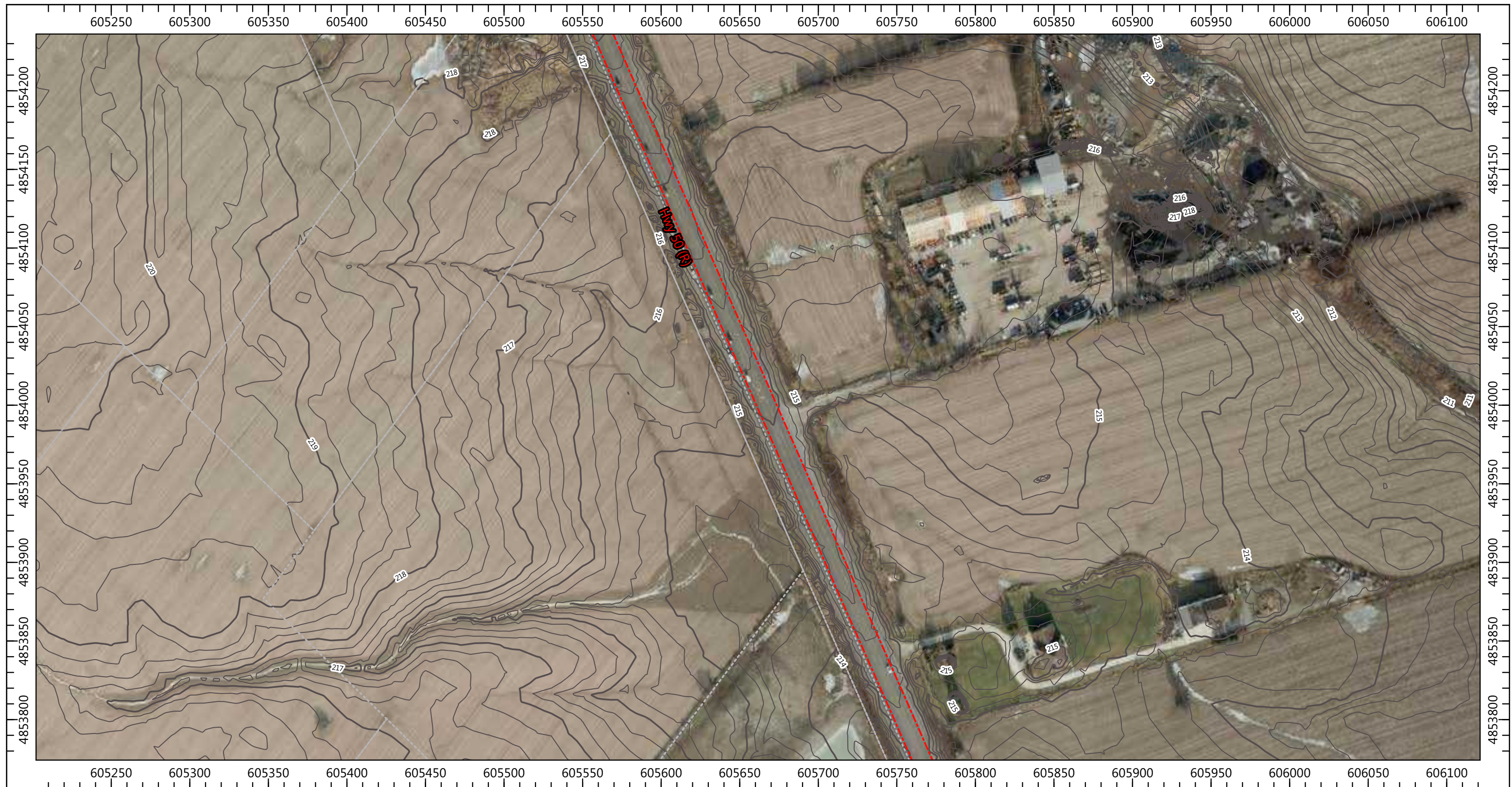
Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N

wood.

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

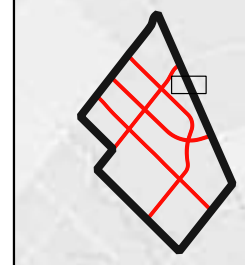
**Noise Levels
Future "Build" 2041 Barrier Investigation**

PROJECT NO: TP115086	FIGURE: F-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)
- Investigated Barrier (4m above grade)



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



wood.

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

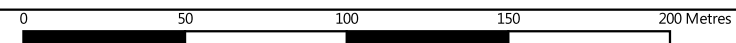
Noise Levels
Future "Build" 2041 Barrier Investigation

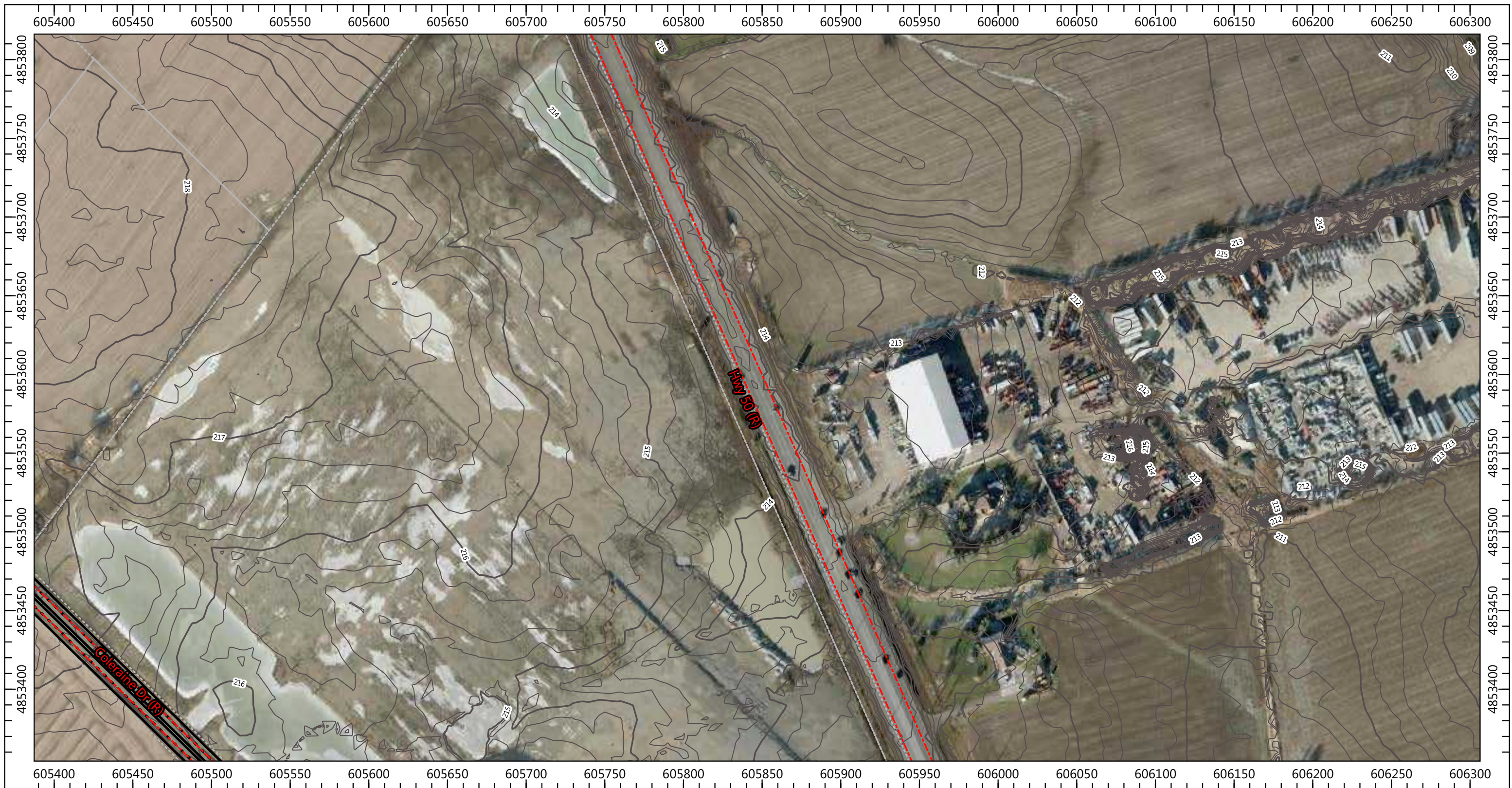
PROJECT NO: TP115086

FIGURE: F-42 of 68

SCALE: 1:2338

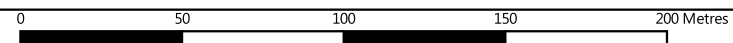
DATE: May 2021





LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-43 of 68

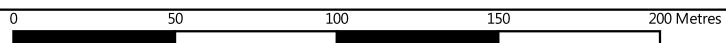
SCALE: 1:2338

DATE: May 2021



LEGEND

- Receptor
- Road
- (R): Regional Road
- (C): City Road
- Contour Line
- Building
- Building (removal with new roadway)
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-44 of 68

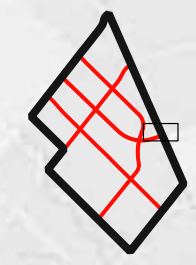
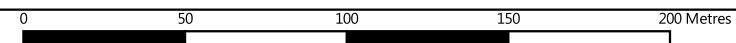
SCALE: 1:2338

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-45 of 68

SCALE: 1:2338

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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 Barrier Investigation**

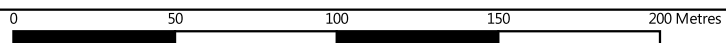
PROJECT NO: TP115086 FIGURE: F-46 of 68

SCALE: 1:2338 DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-47 of 68

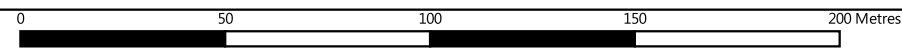
SCALE: 1:2338

DATE: May 2021



LEGEND

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



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



wood.

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

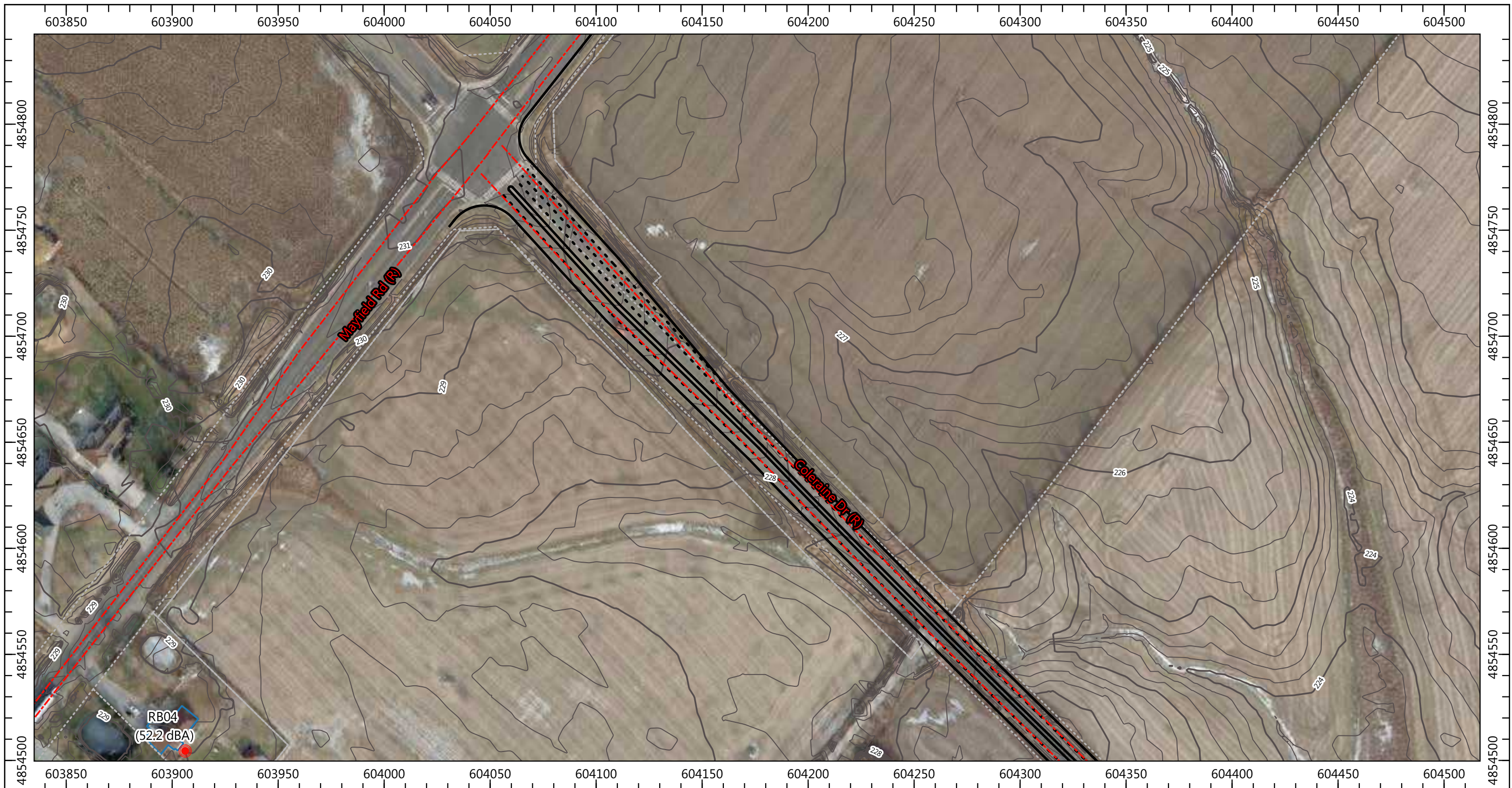
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-48 of 68

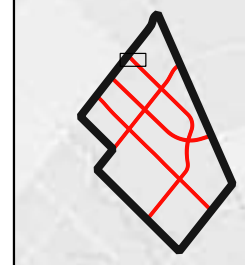
SCALE: 1:1845

DATE: May 2021



LEGEND

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



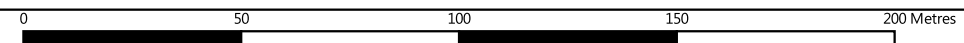
Source: ESRI
Datum & Projection:
NAD83 / UTM zone 17N



wood.

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

Noise Levels
Future "Build" 2041 Barrier Investigation



PROJECT NO: TP115086

FIGURE: F-49 of 68

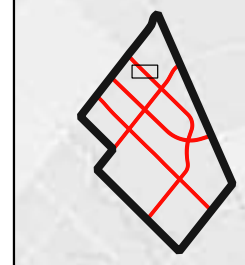
SCALE: 1:1735

DATE: May 2021



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

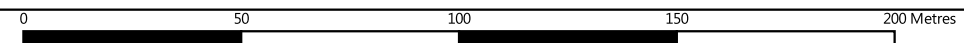
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-50 of 68

SCALE: 1:1735

DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

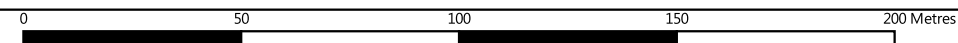
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-51 of 68

SCALE: 1:1735

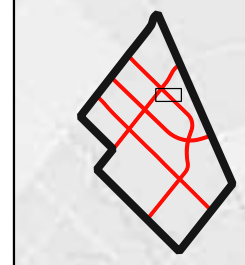
DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- (R): Regional Road
- (C): City Road
- Investigated 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)

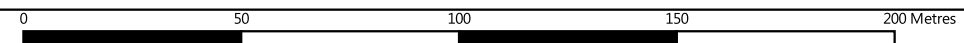
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-52 of 68

SCALE: 1:1735

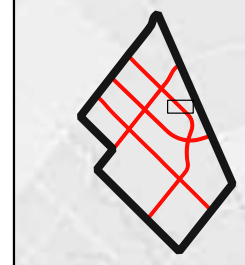
DATE: May 2021





LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

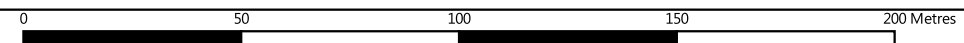
Noise Levels
Future "Build" 2041 Barrier Investigation

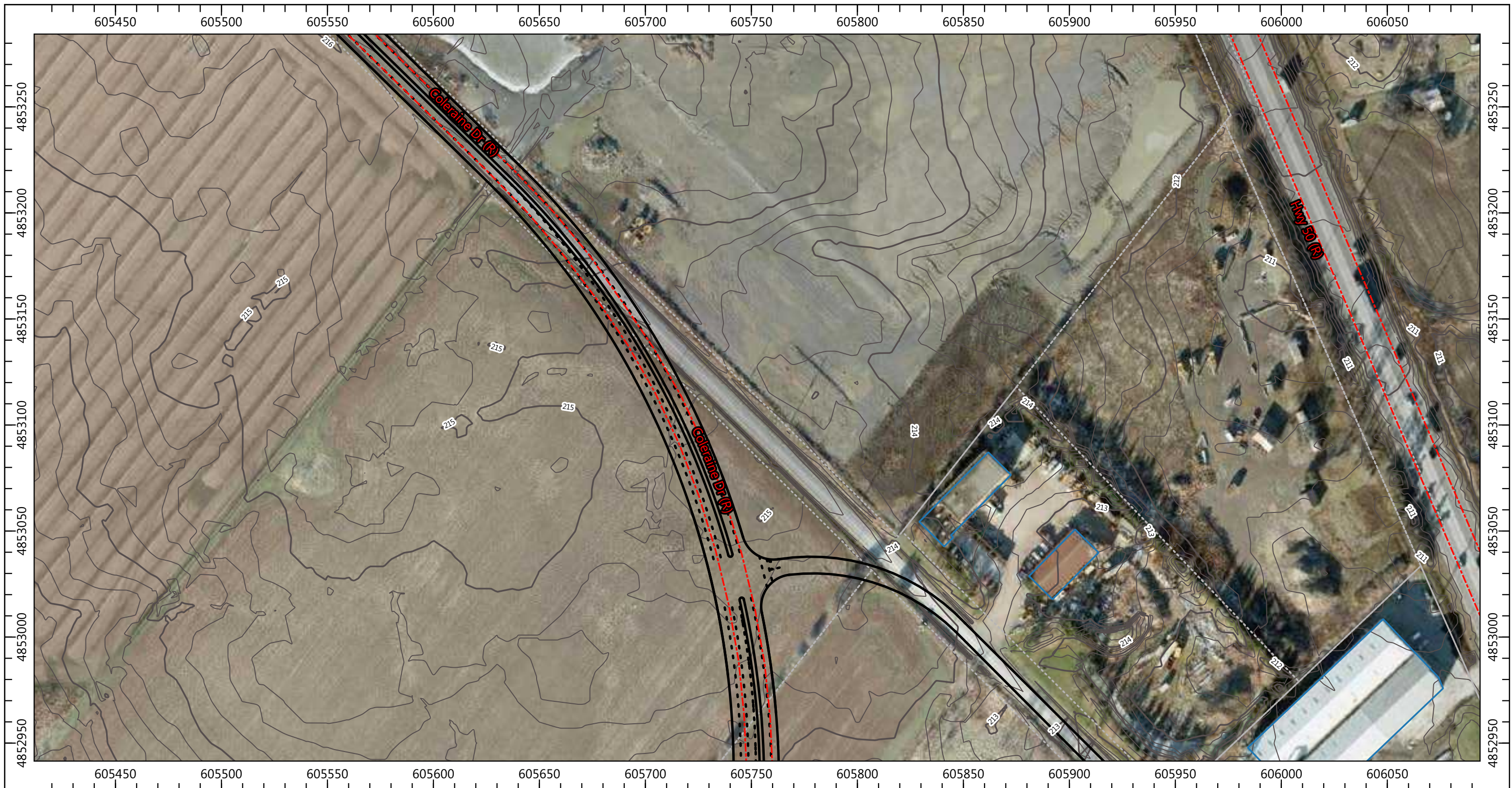
PROJECT NO: TP115086

FIGURE: F-53 of 68

SCALE: 1:1735

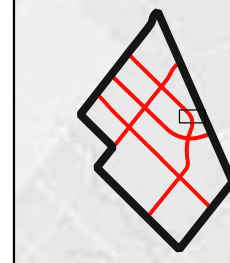
DATE: May 2021





LEGEND

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



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



wood.

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

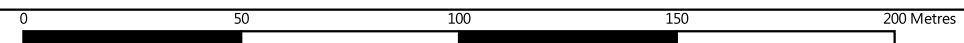
Noise Levels
Future "Build" 2041 Barrier Investigation

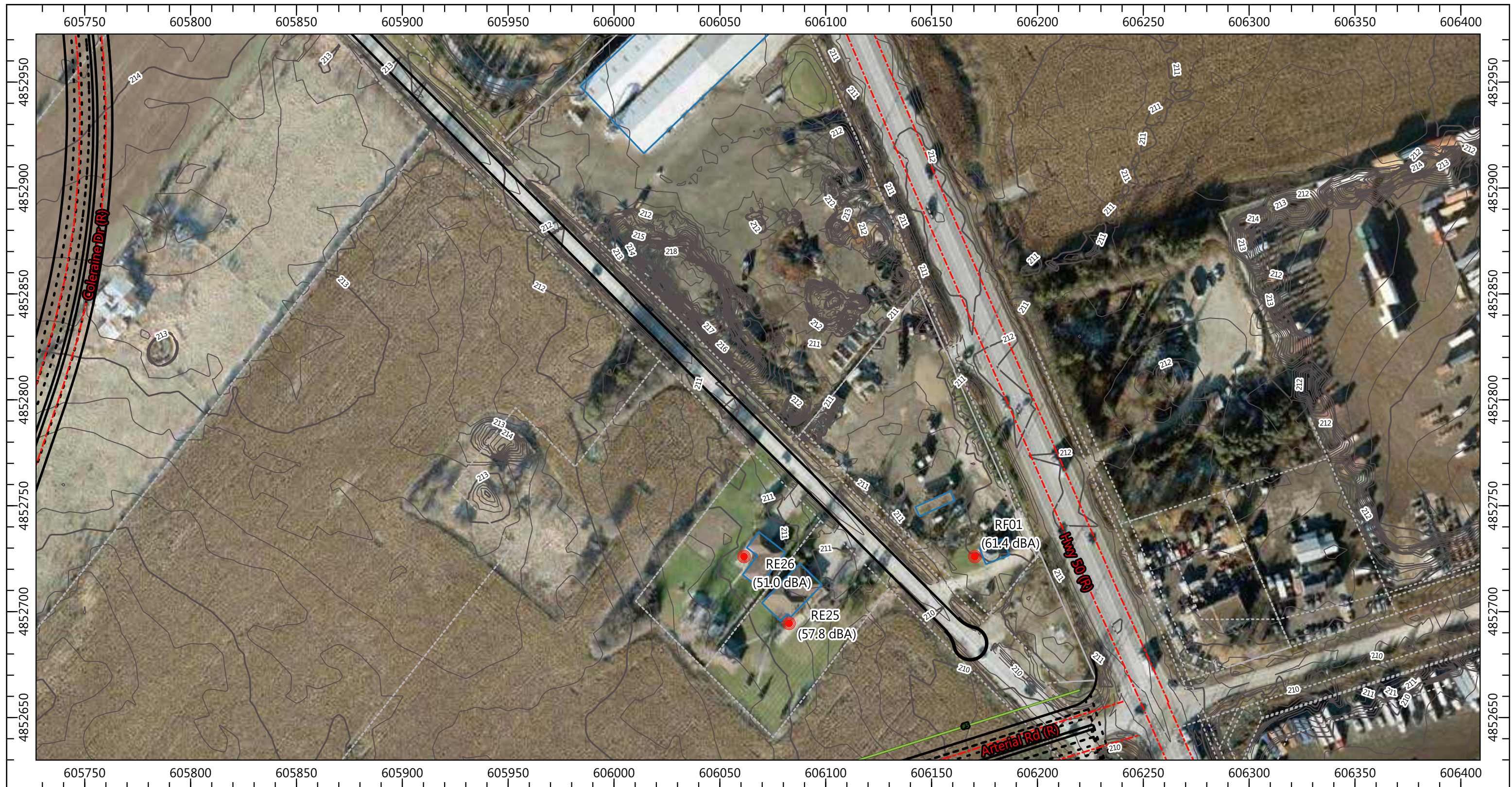
PROJECT NO: TP115086

FIGURE: F-54 of 68

SCALE: 1:1735

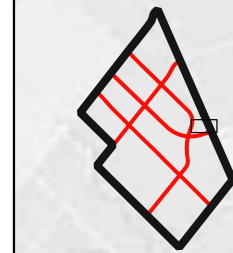
DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

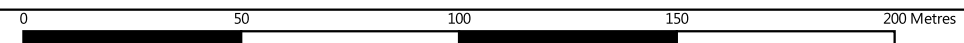
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-55 of 68

SCALE: 1:1735

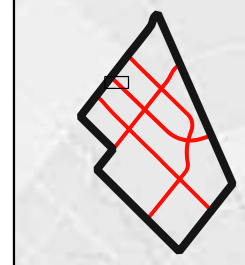
DATE: May 2021





LEGEND

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



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



wood.

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

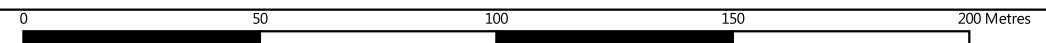
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-56 of 68

SCALE: 1:1598

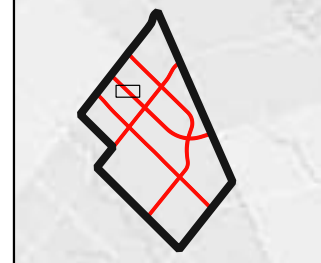
DATE: May 2021





LEGEND

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



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



wood.

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

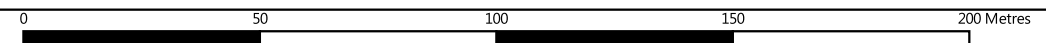
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-57 of 68

SCALE: 1:1598

DATE: May 2021





LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

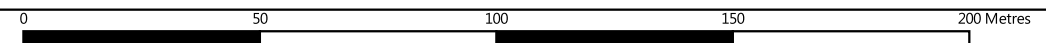
Noise Levels
Future "Build" 2041 Barrier Investigation

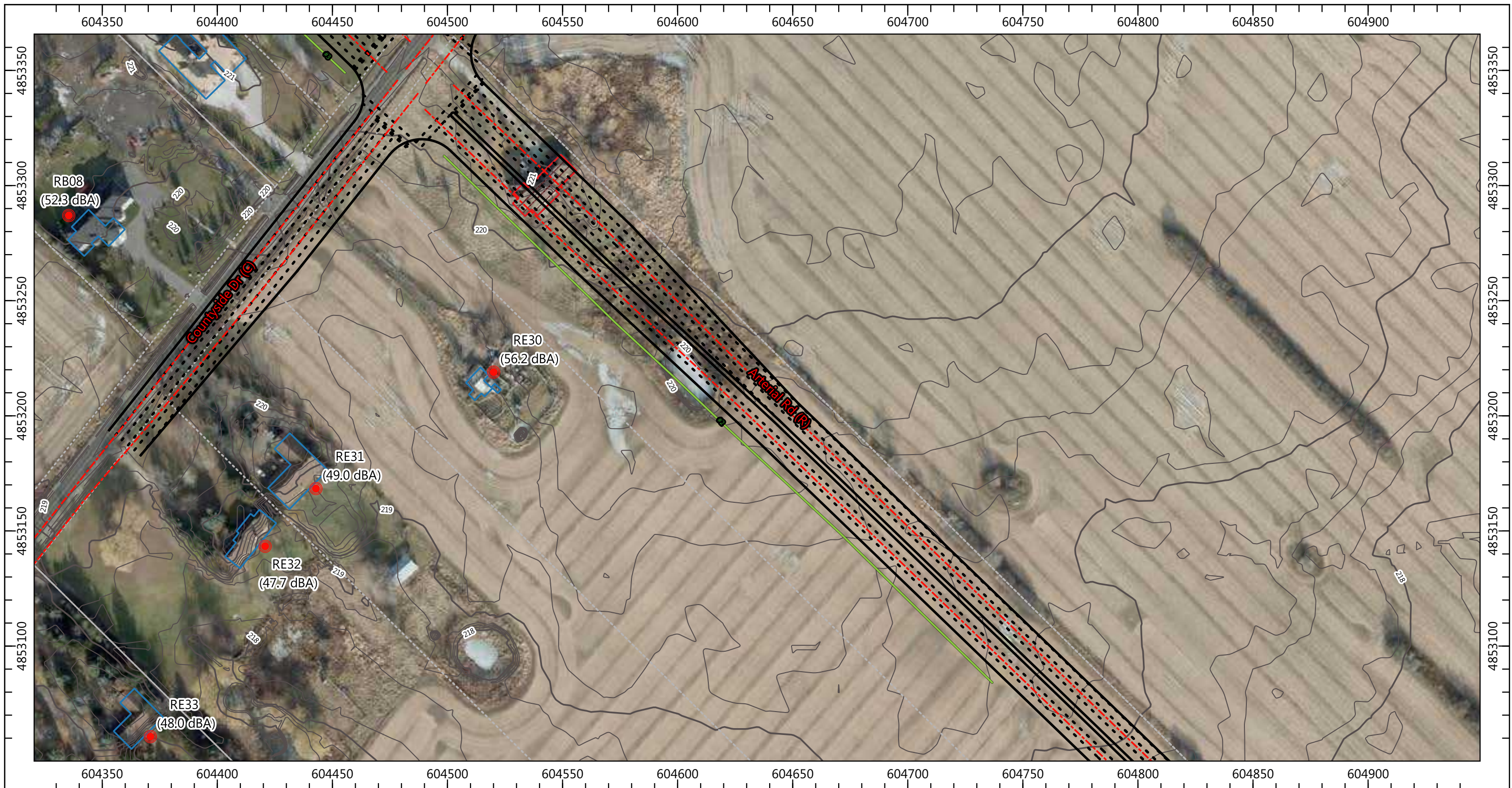
PROJECT NO: TP115086

FIGURE: F-58 of 68

SCALE: 1:1598

DATE: May 2021





LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

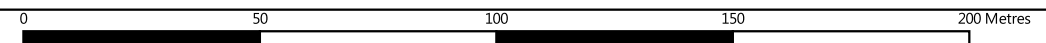
Noise Levels
Future "Build" 2041 Barrier Investigation

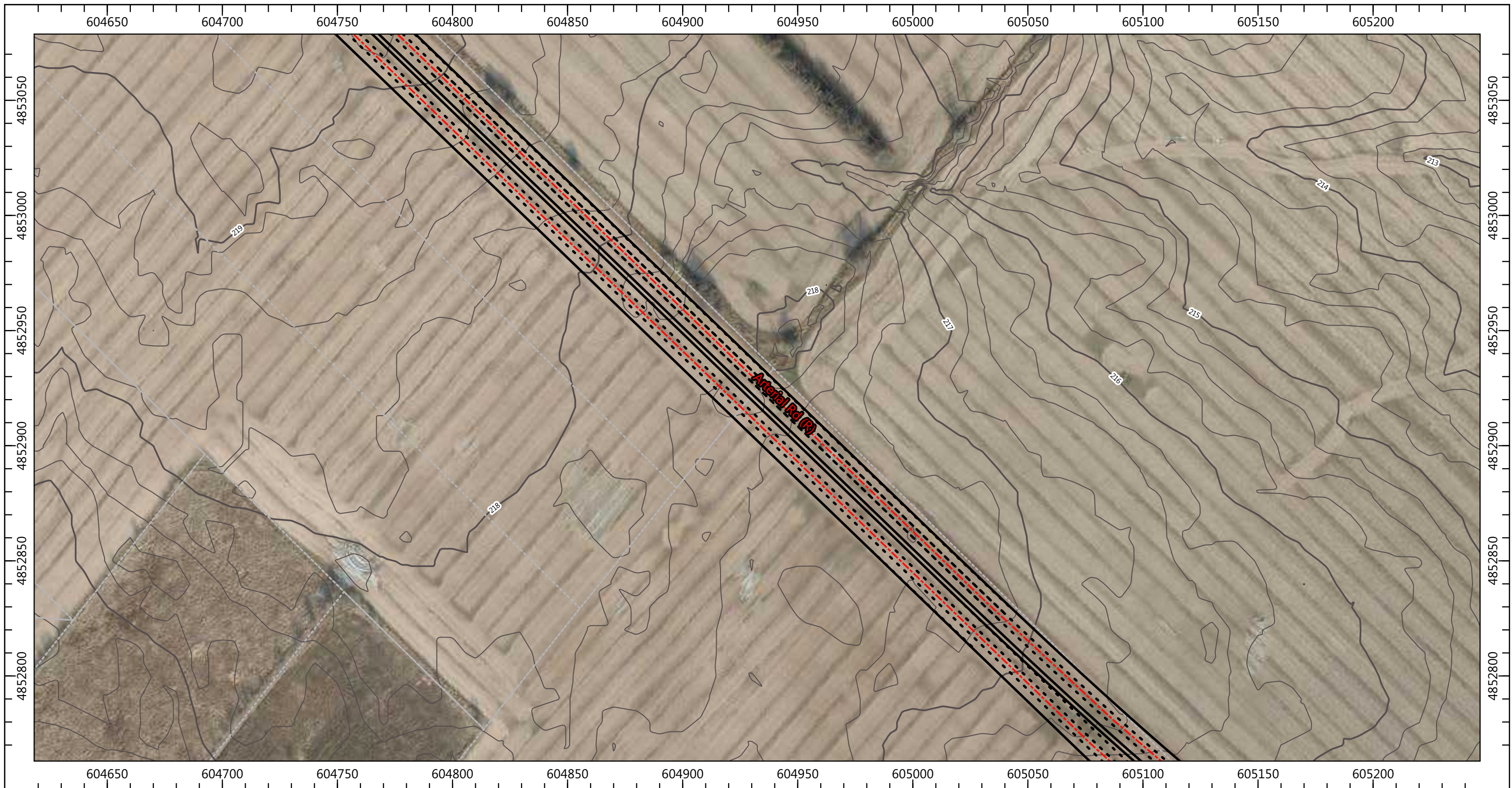
PROJECT NO: TP115086

FIGURE: F-59 of 68

SCALE: 1:1598

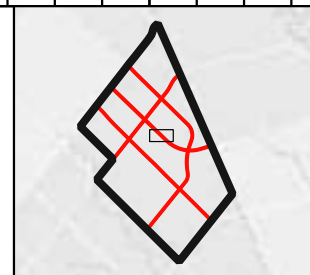
DATE: May 2021





LEGEND

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



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



wood.

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

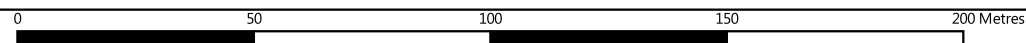
Noise Levels
Future "Build" 2041 Barrier Investigation

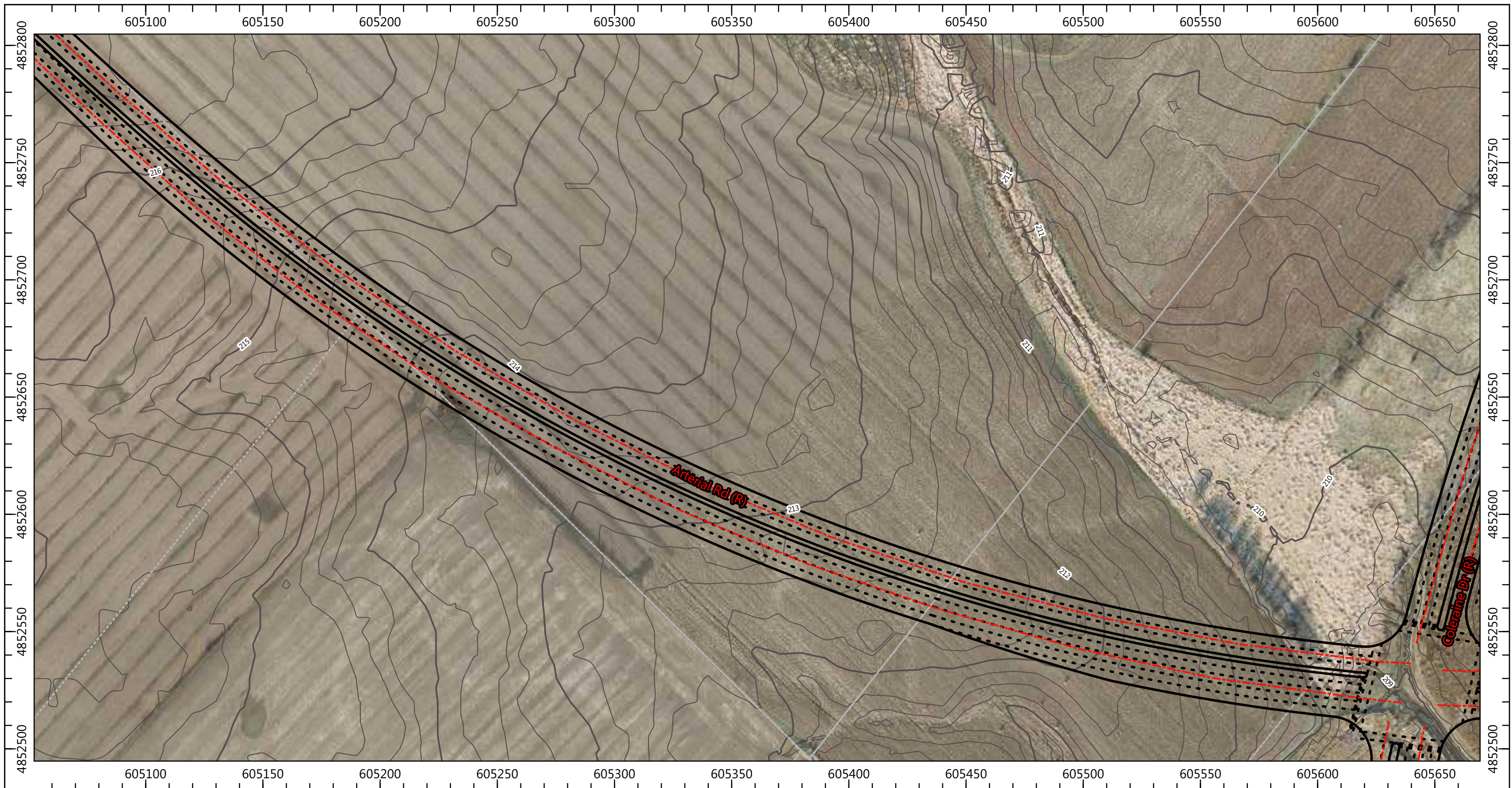
PROJECT NO: TP115086

FIGURE: F-60 of 68

SCALE: 1:1598

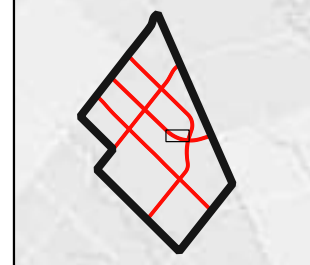
DATE: May 2021





LEGEND

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



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



wood.

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

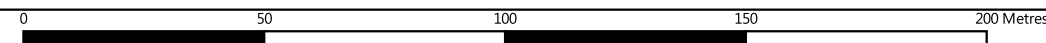
Noise Levels
Future "Build" 2041 Barrier Investigation

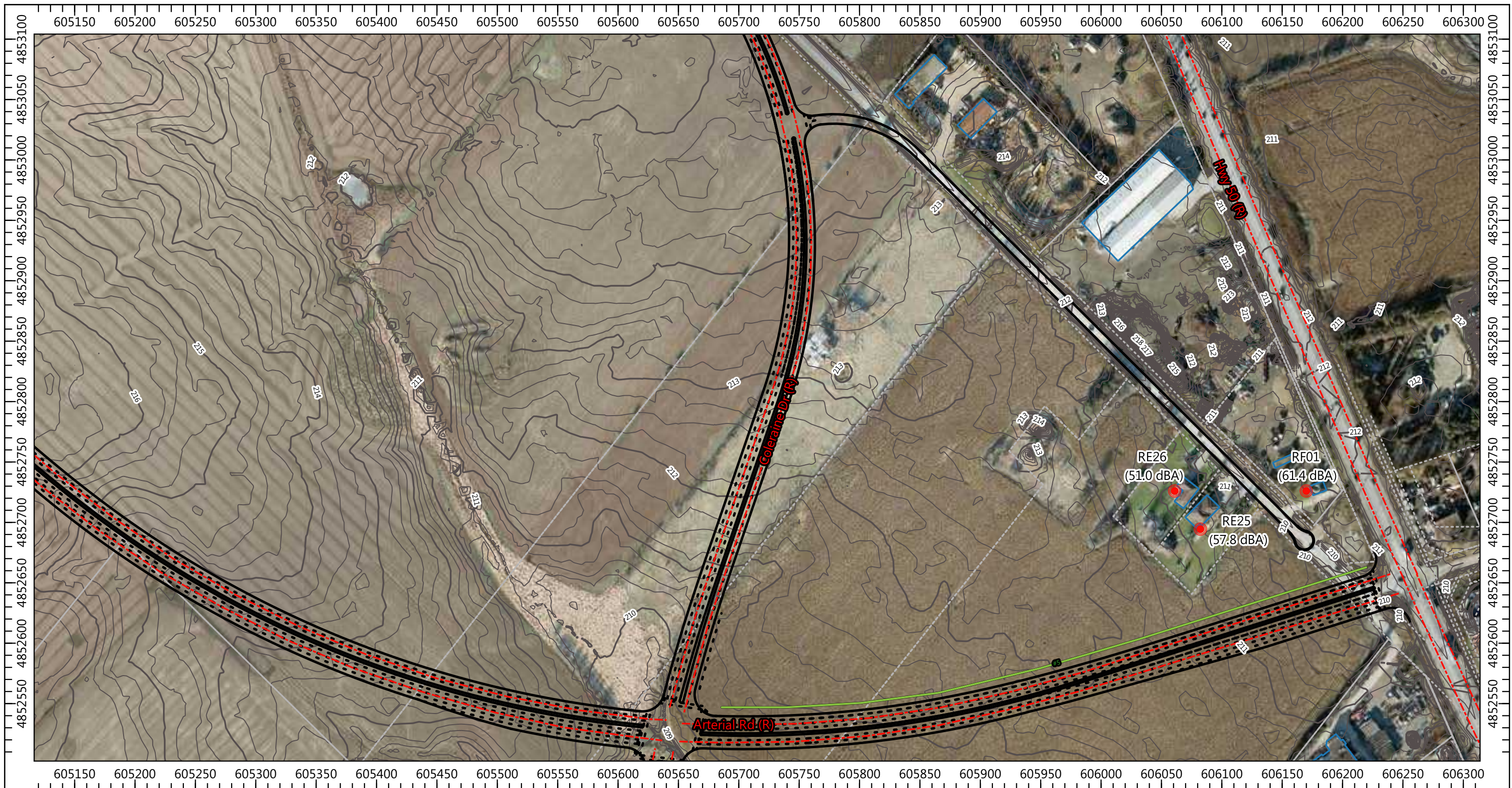
PROJECT NO: TP115086

FIGURE: F-61 of 68

SCALE: 1:1569

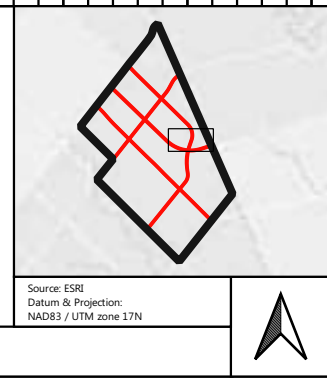
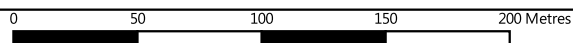
DATE: May 2021





LEGEND

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



wood.

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

Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-62 of 68

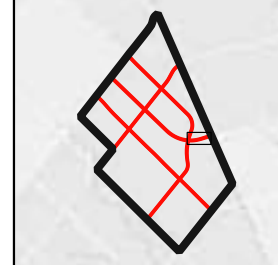
SCALE: 1:3045

DATE: May 2021



LEGEND

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



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



wood.

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

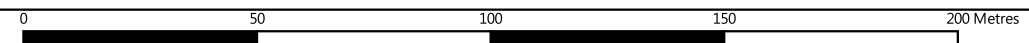
Noise Levels
Future "Build" 2041 Barrier Investigation

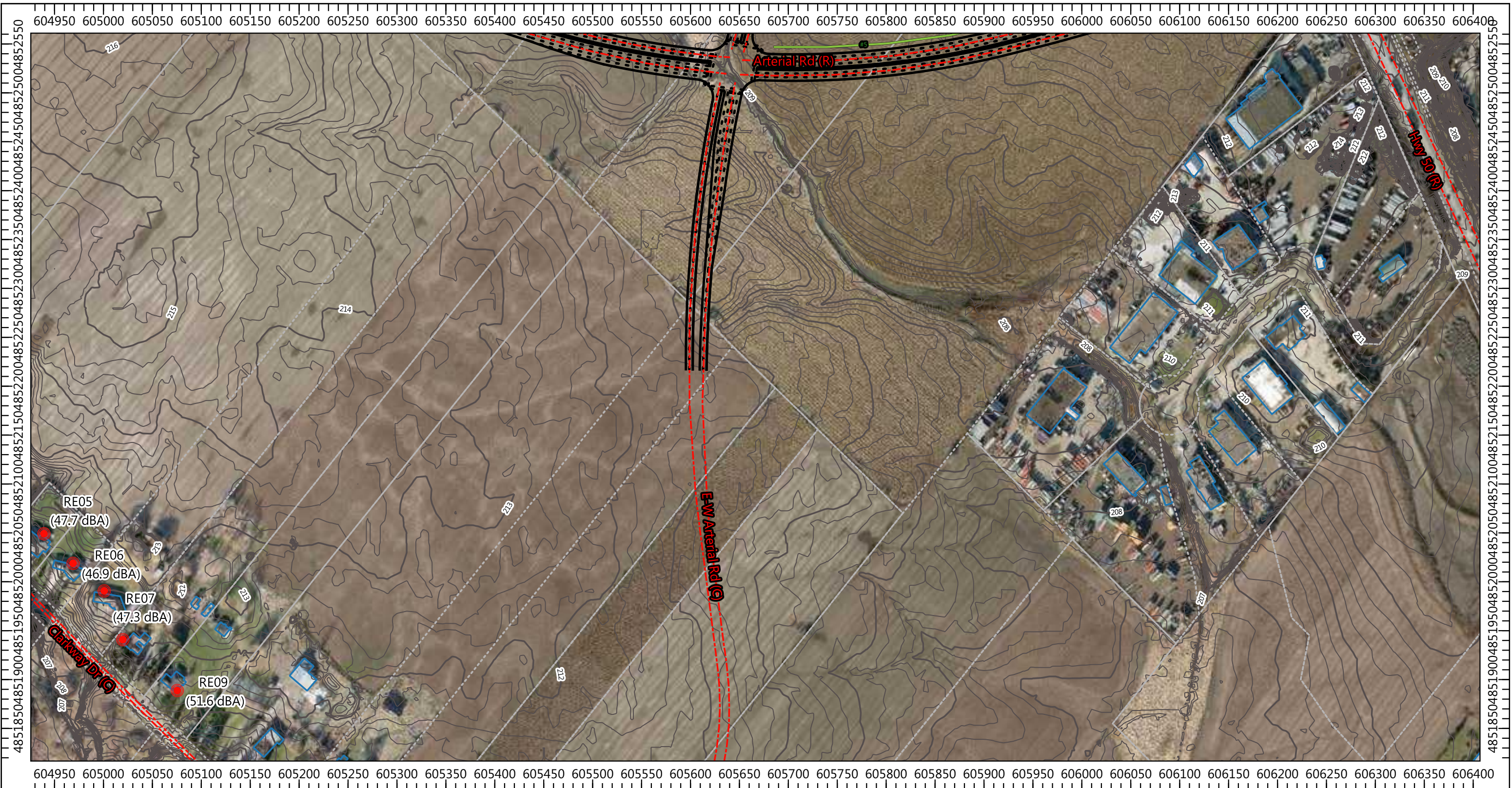
PROJECT NO: TP115086

FIGURE: F-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)
- Investigated Barrier (4m above grade)



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

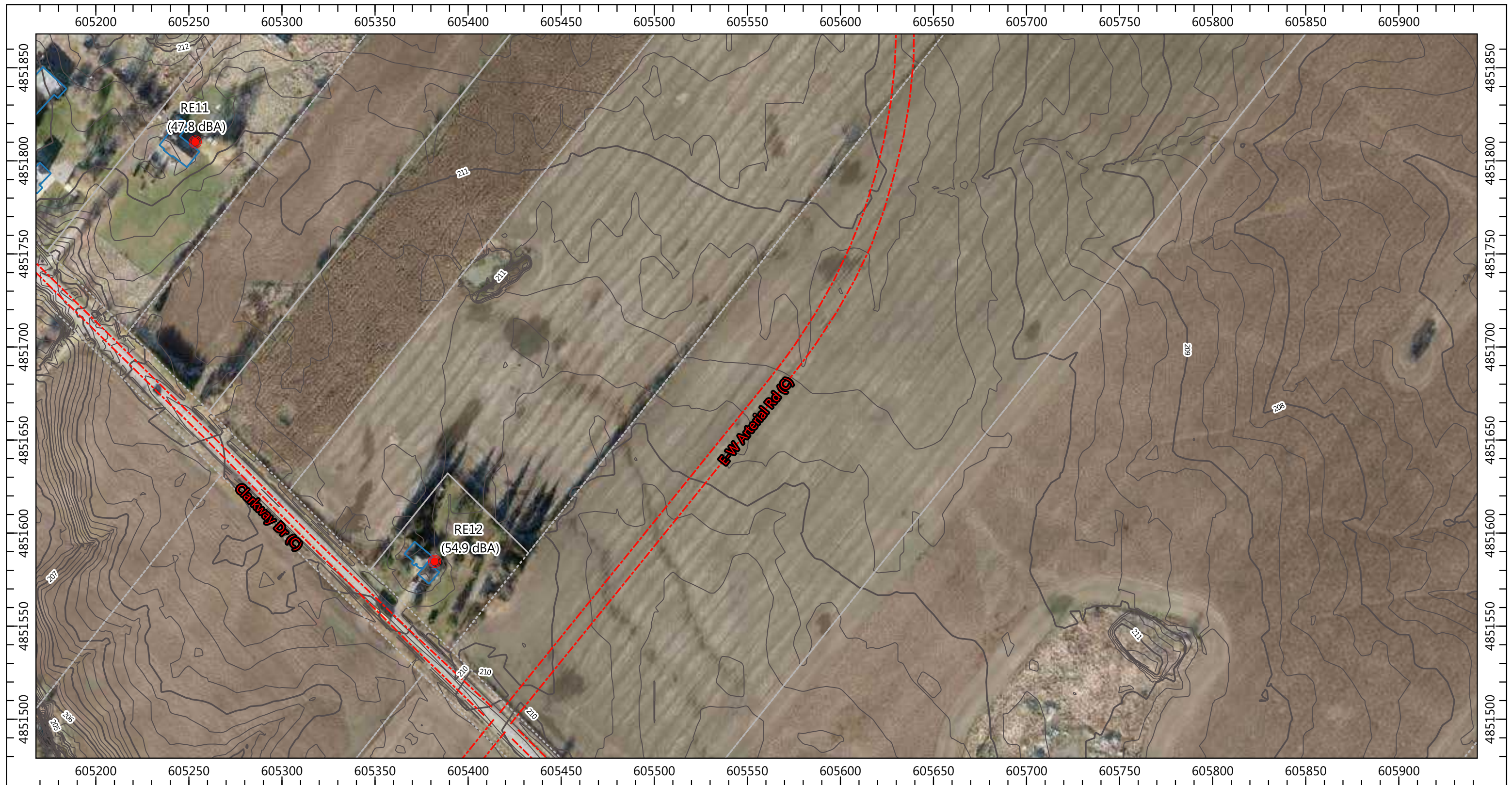
Noise Levels
Future "Build" 2041 Barrier Investigation

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



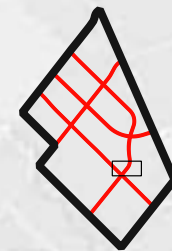
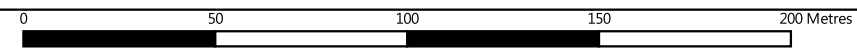
PROJECT NO: TP115086
 SCALE: 1:3767

FIGURE: F-64 of 68
 DATE: May 2021



LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

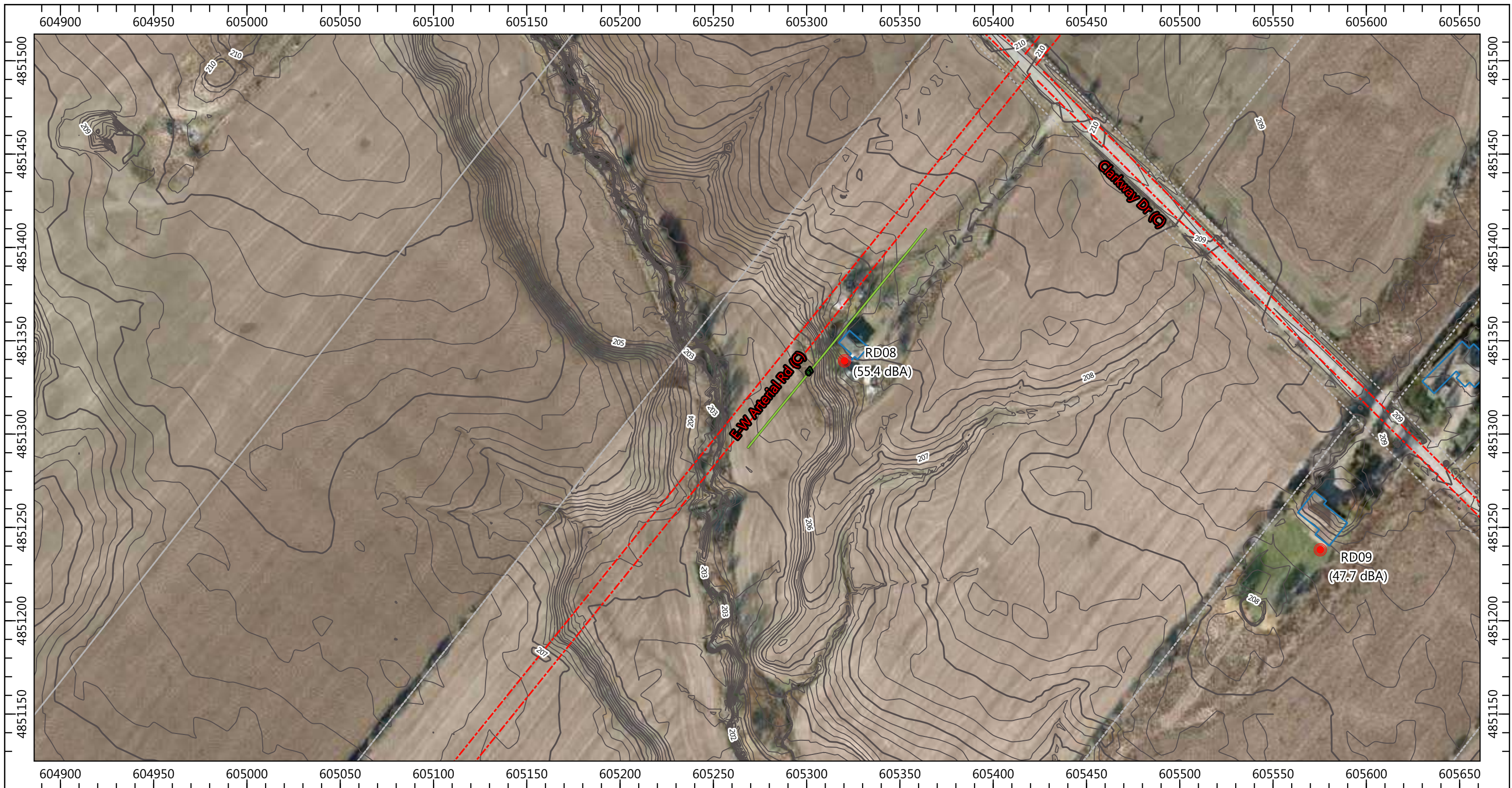
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-65 of 68

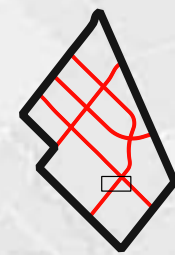
SCALE: 1:1969

DATE: May 2021



LEGEND

- Receptor
- Building
- - - Road
- ▨ Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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)

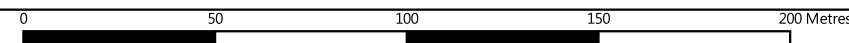
Noise Levels
Future "Build" 2041 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-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)
- Investigated 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)**

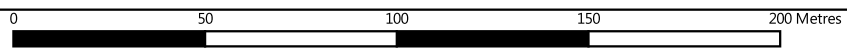
**Noise Levels
Future "Build" 2041 Barrier Investigation**

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



LEGEND

- Receptor
- Building
- Road
- Building (removal with new roadway)
- (R): Regional Road
- (C): City Road
- Investigated 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 Barrier Investigation

PROJECT NO: TP115086

FIGURE: F-68 of 68

SCALE: 1:1971

DATE: May 2021