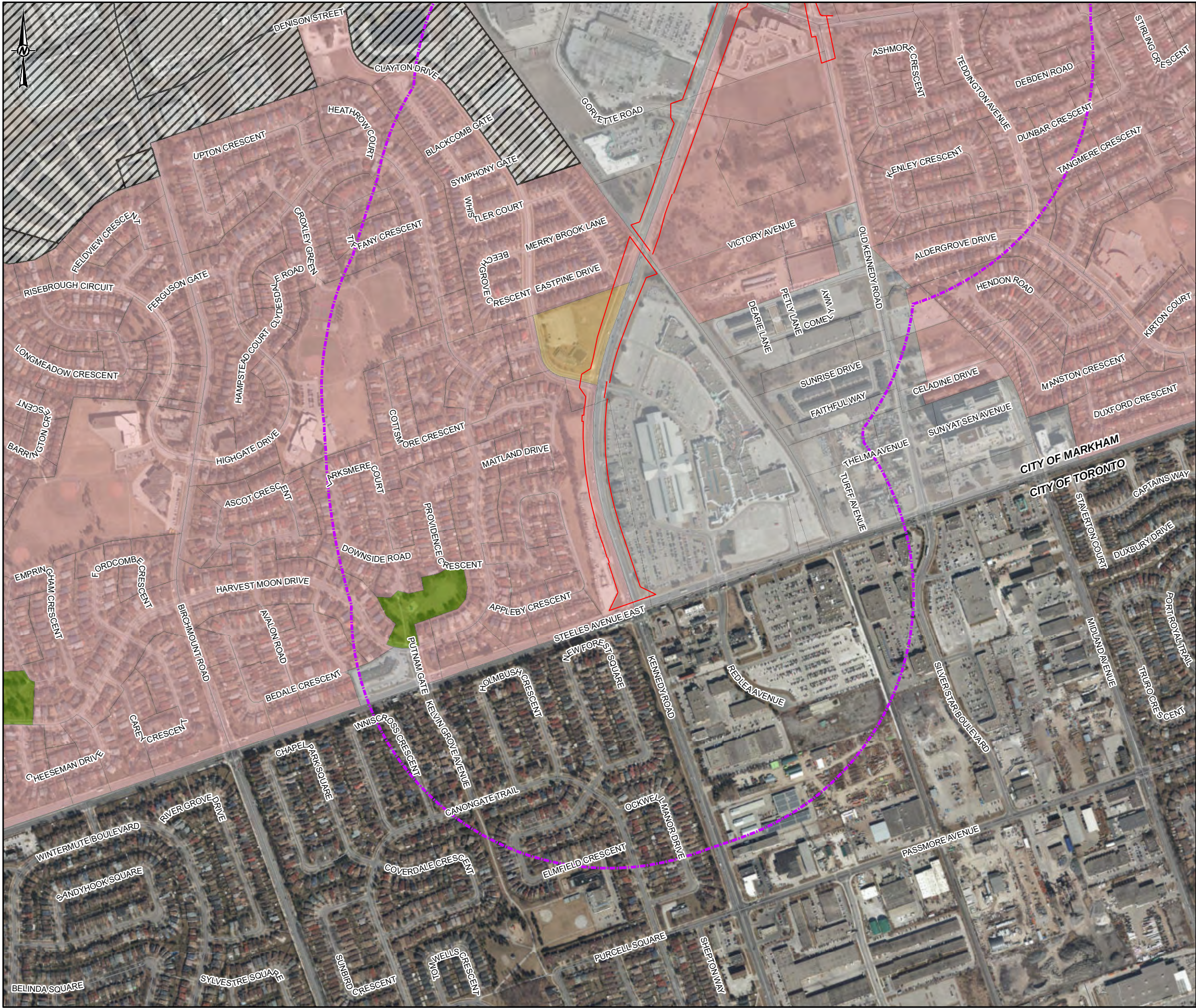




LEGEND

ASSESSED FUTURE RIGHT-OF-WAY

AREA OF INVESTIGATION

LANDUSE

COMMERCIAL

INDUSTRIAL

INSTITUTIONAL

OPEN SPACE/PARK

RESIDENTIAL

KEY MAP

0250500

1:7,500METRES

REFERENCE(S)

1. 2018 IMAGERY - SOURCE: ESRI, MAXAR, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AERGRID, IGN, AND THE GIS USER COMMUNITY SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY

2. CITY OF MARKHAM LAND USE DATA PROVIDED BY CLIENT HDR.

PROJECTION: TRANSVERSE MERCATOR

DATUM: NAD 83 COORDINATE SYSTEM: UTM ZONE 17N

CLIENT

HDR CORPORATION

PROJECT

MUNICIPAL CLASS EA KENNEDY ROAD NOISE IMPACT STUDY

TITLE

ZONING

CONSULTANT

YYYY-MM-DD

2020-02-13

GOLDER

DESIGNED

SO

PREPARED

CGE

REVIEWED

SD

APPROVED

SC

PROJECT NO.

1664178

CONTROL

0001

REV.

A

FIGURE

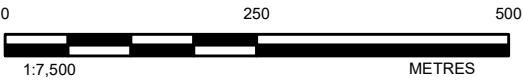
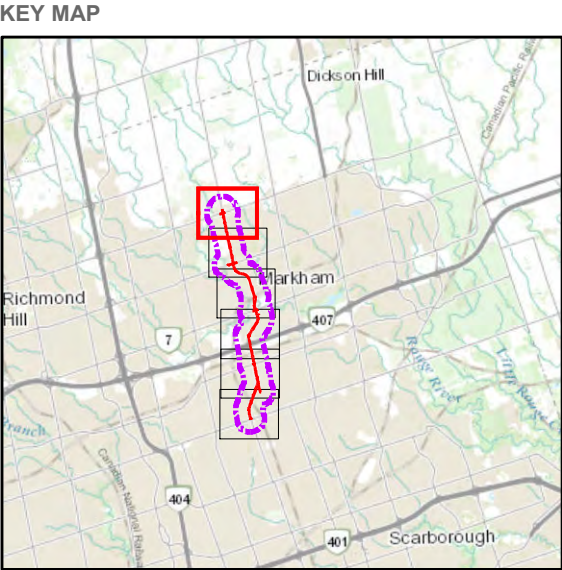
2-F

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM:
28mm



LEGEND

- OUTDOOR LIVING AREA (OLA)
- EXISTING NOISE BARRIER - FIELD PROGRAM JULY 2017
- NOISE SENSITIVE AREA (NSA)
- PROPOSED FUTURE DEVELOPMENT
- AREA OF INVESTIGATION



REFERENCE(S)

1. 2018 IMAGERY - SOURCE: ESRI, MAXAR, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEROGRIID, IGN, AND THE GIS USER COMMUNITY SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY

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CLIENT

HDR CORPORATION

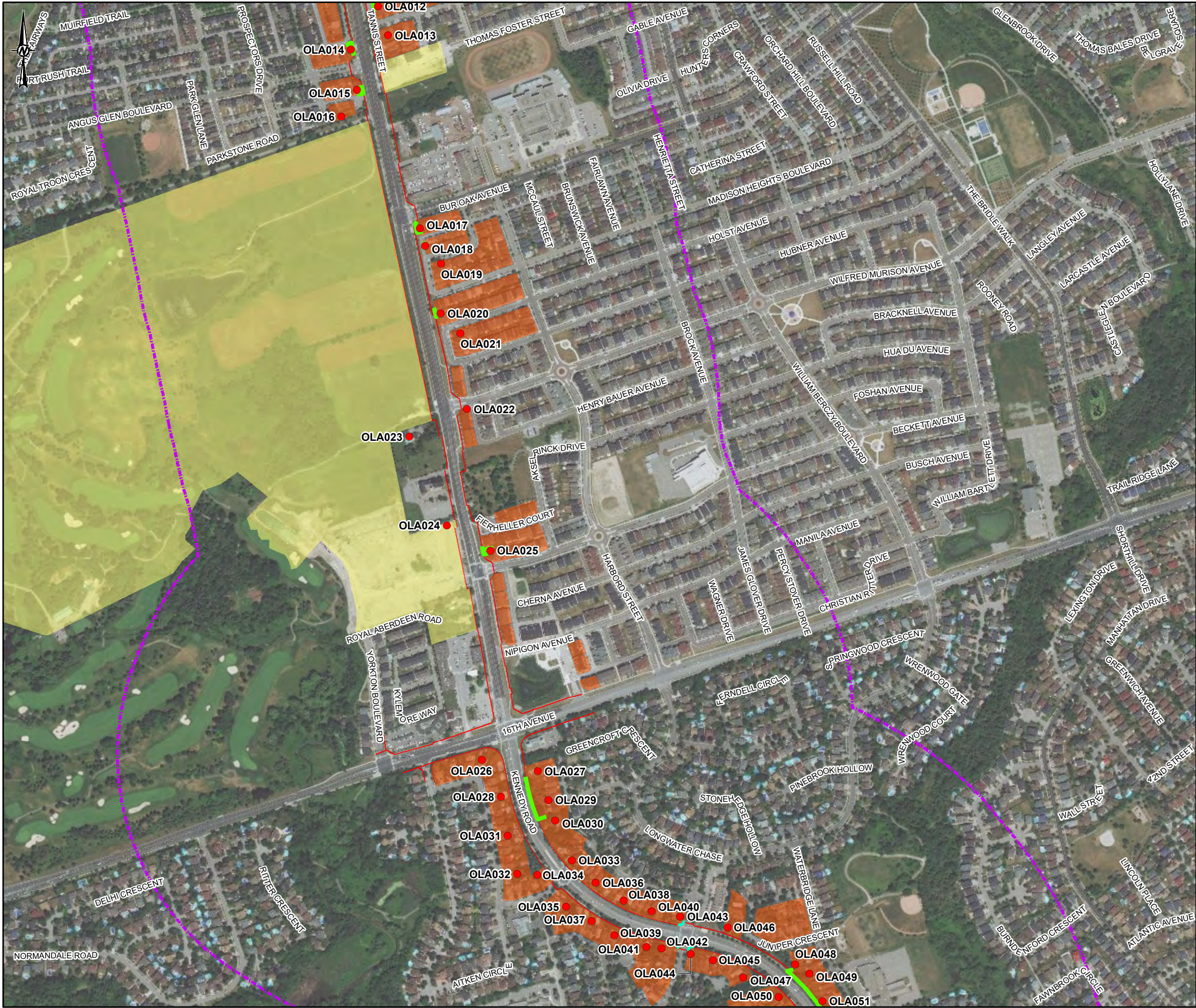
PROJECT

MUNICIPAL CLASS EA KENNEDY ROAD NOISE IMPACT STUDY

TITLE

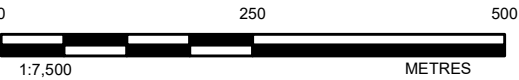
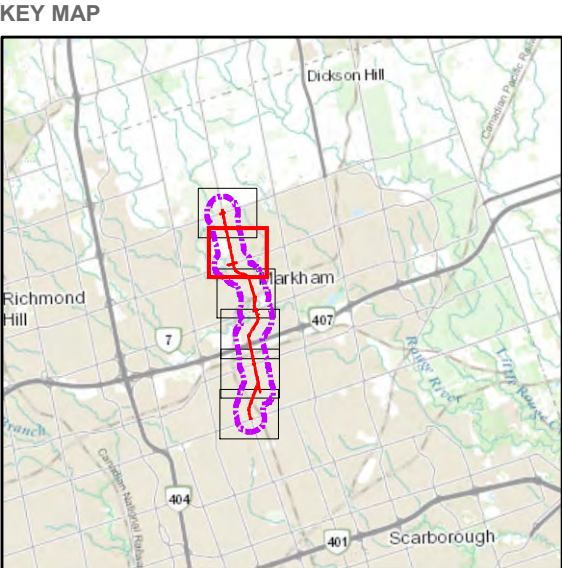
OUTDOOR LIVING AREAS ASSESSED

	CONSULTANT	YYYY-MM-DD	2020-02-13
	DESIGNED	SO	
	PREPARED	CGE/RRD	
	REVIEWED	SD	
	APPROVED	SC	



LEGEND

- OUTDOOR LIVING AREA (OLA)
- EXISTING NOISE BARRIER - FIELD PROGRAM JULY 2017
- GATEWAY FEATURE
- NOISE SENSITIVE AREA (NSA)
- PROPOSED FUTURE DEVELOPMENT
- AREA OF INVESTIGATION



REFERENCE(S)

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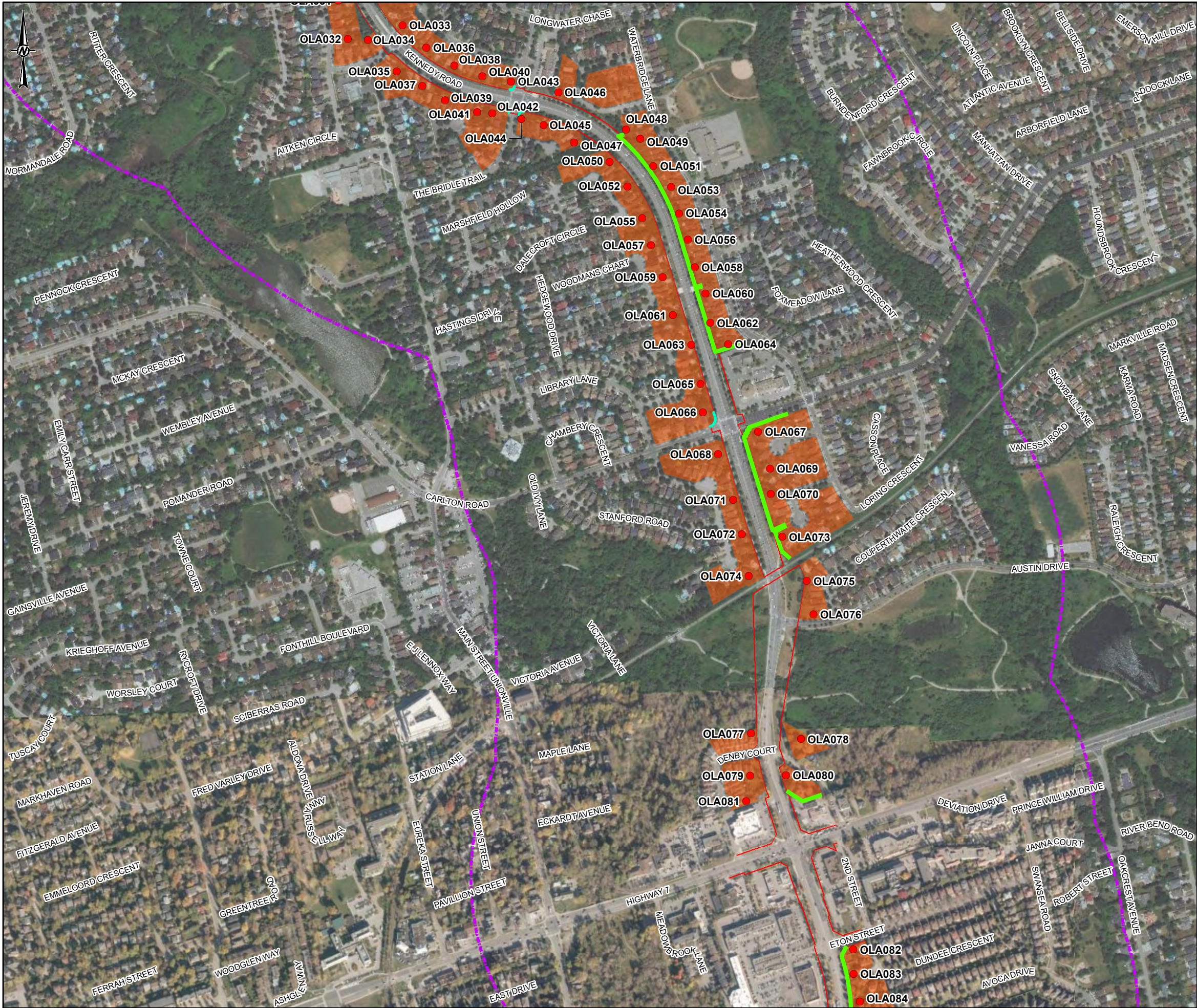
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CLIENT
HDR CORPORATION

PROJECT
MUNICIPAL CLASS EA KENNEDY ROAD NOISE IMPACT STUDY

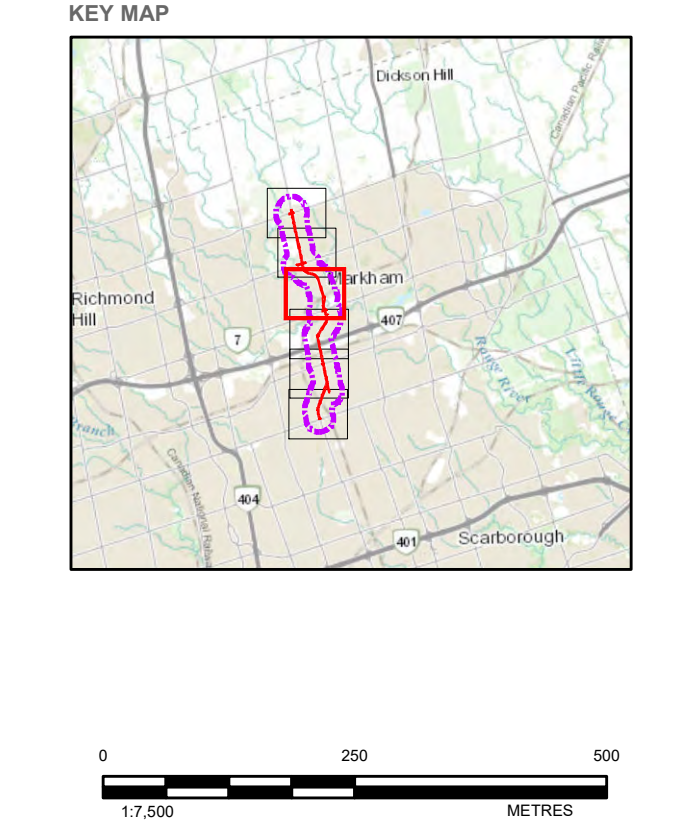
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OUTDOOR LIVING AREAS ASSESSED

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	DESIGNED	SO	
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LEGEND

- OUTDOOR LIVING AREA (OLA)
- EXISTING NOISE BARRIER - FIELD PROGRAM JULY 2017
- GATEWAY FEATURE
- NOISE SENSITIVE AREA (NSA)
- - - AREA OF INVESTIGATION



REFERENCE(S)

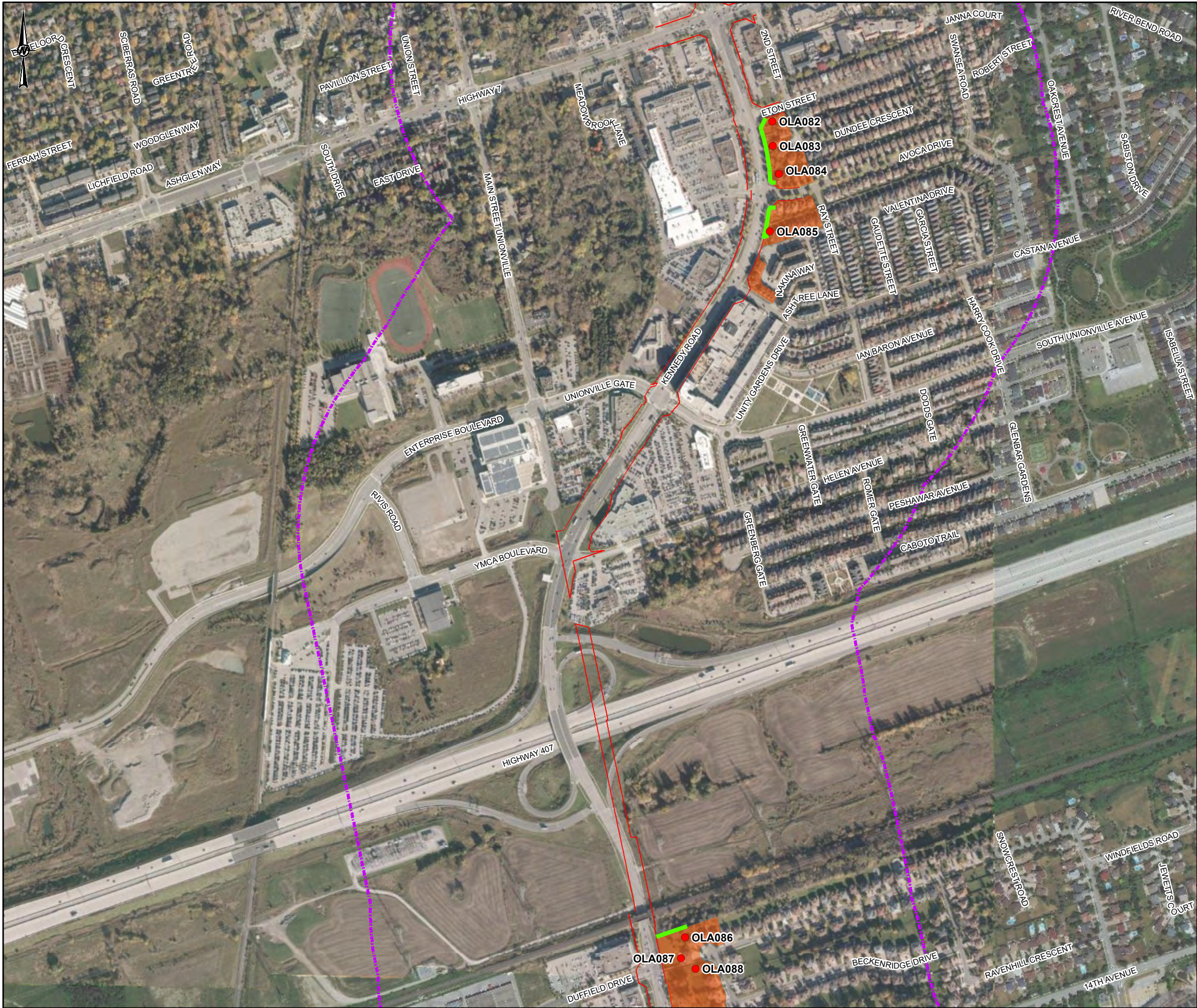
1. 2018 IMAGERY - SOURCE: ESRI, MAXAR, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEROGRIID, IGN, AND THE GIS USER COMMUNITY SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
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CLIENT
HDR CORPORATION

PROJECT
MUNICIPAL CLASS EA KENNEDY ROAD NOISE IMPACT STUDY

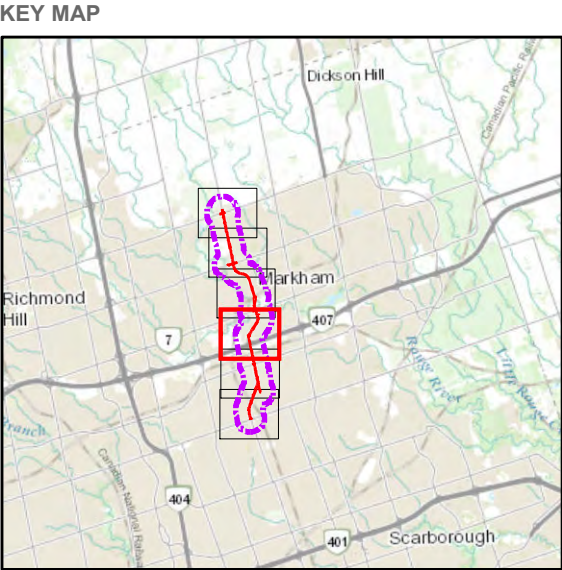
TITLE
OUTDOOR LIVING AREAS ASSESSED

	CONSULTANT	YYYY-MM-DD	2020-02-13
	DESIGNED	SO	
	PREPARED	CGE/RRD	
	REVIEWED	SD	
	APPROVED	SC	



LEGEND

- OUTDOOR LIVING AREA (OLA)
- EXISTING NOISE BARRIER - FIELD PROGRAM JULY 2017
- NOISE SENSITIVE AREA (NSA)
- AREA OF INVESTIGATION



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2. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: UTM ZONE 17N

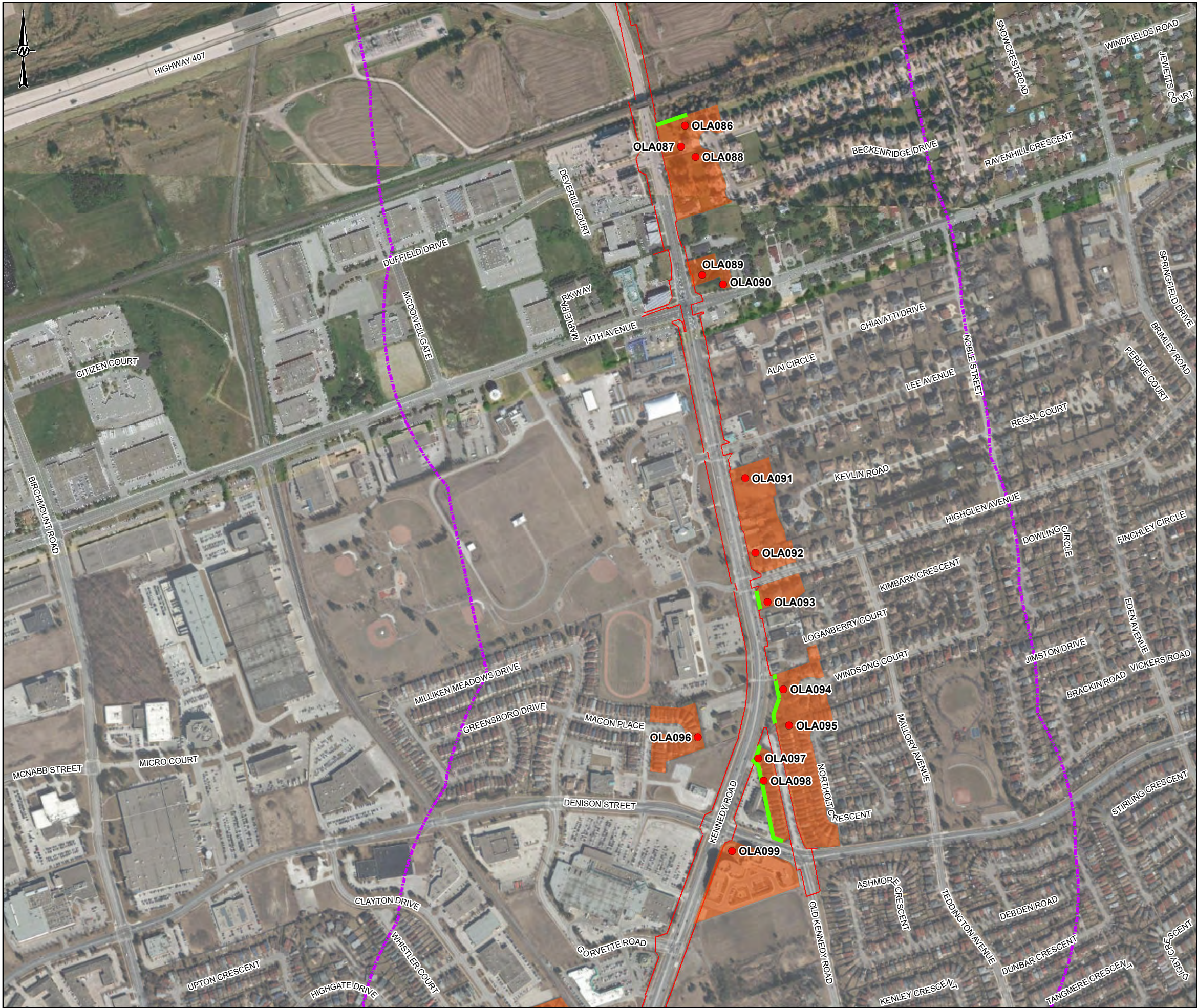
CLIENT
HDR CORPORATION

PROJECT
MUNICIPAL CLASS EA KENNEDY ROAD NOISE IMPACT STUDY

TITLE
OUTDOOR LIVING AREAS ASSESSED

CONSULTANT	YYYY-MM-DD	2020-02-13
DESIGNED	SO	
PREPARED	CGE/RRD	
REVIEWED	SD	
APPROVED	SC	





LEGEND

- OUTDOOR LIVING AREA (OLA)
- EXISTING NOISE BARRIER - FIELD PROGRAM JULY 2017
- NOISE SENSITIVE AREA (NSA)
- AREA OF INVESTIGATION

KEY MAP

REFERENCE(S)

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CLIENT

HDR CORPORATION

PROJECT

MUNICIPAL CLASS EA KENNEDY ROAD NOISE IMPACT STUDY

TITLE

OUTDOOR LIVING AREAS ASSESSED

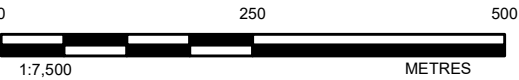
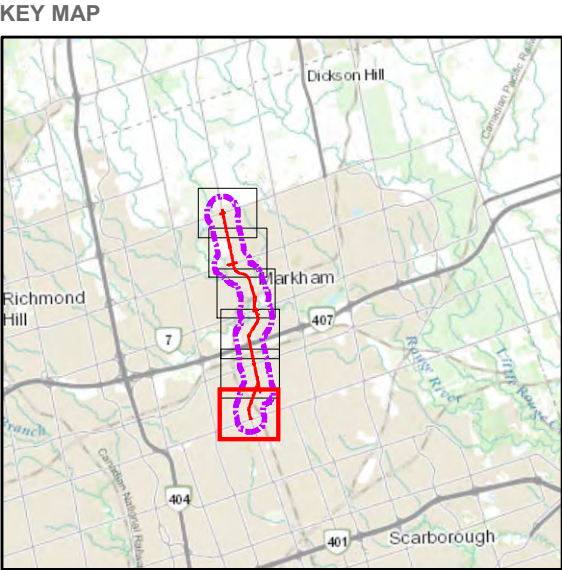
CONSULTANT	YYYY-MM-DD	2020-02-13
DESIGNED	SO	
PREPARED	CGE/RRD	
REVIEWED	SD	
APPROVED	SC	

PROJECT NO. 1664178	CONTROL 0001	REV. A	FIGURE 3-E
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LEGEND

- OUTDOOR LIVING AREA (OLA)
- EXISTING NOISE BARRIER - FIELD PROGRAM JULY 2017
- NOISE SENSITIVE AREA (NSA)
- - - AREA OF INVESTIGATION



REFERENCE(S)

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2. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: UTM ZONE 17N

CLIENT

HDR CORPORATION

PROJECT

MUNICIPAL CLASS EA KENNEDY ROAD NOISE IMPACT STUDY

TITLE

OUTDOOR LIVING AREAS ASSESSED

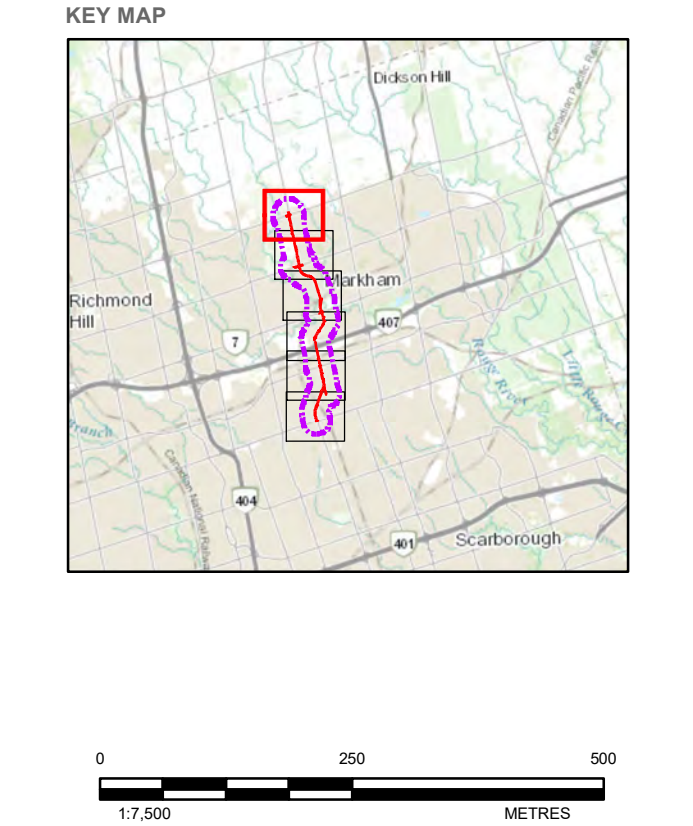
CONSULTANT	YYYY-MM-DD	2020-02-13
DESIGNED	SO	
PREPARED	CGE/RRD	
REVIEWED	SD	
APPROVED	SC	





LEGEND

- OUTDOOR LIVING AREA (OLA)
- EXISTING NOISE BARRIER - FIELD PROGRAM JULY 2017
- NOISE SENSITIVE AREA (NSA)
- PROPOSED FUTURE DEVELOPMENT
- AREA OF INVESTIGATION



REFERENCE(S)

1. 2018 IMAGERY - SOURCE: ESRI, MAXAR, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEROGRIID, IGN, AND THE GIS USER COMMUNITY SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY

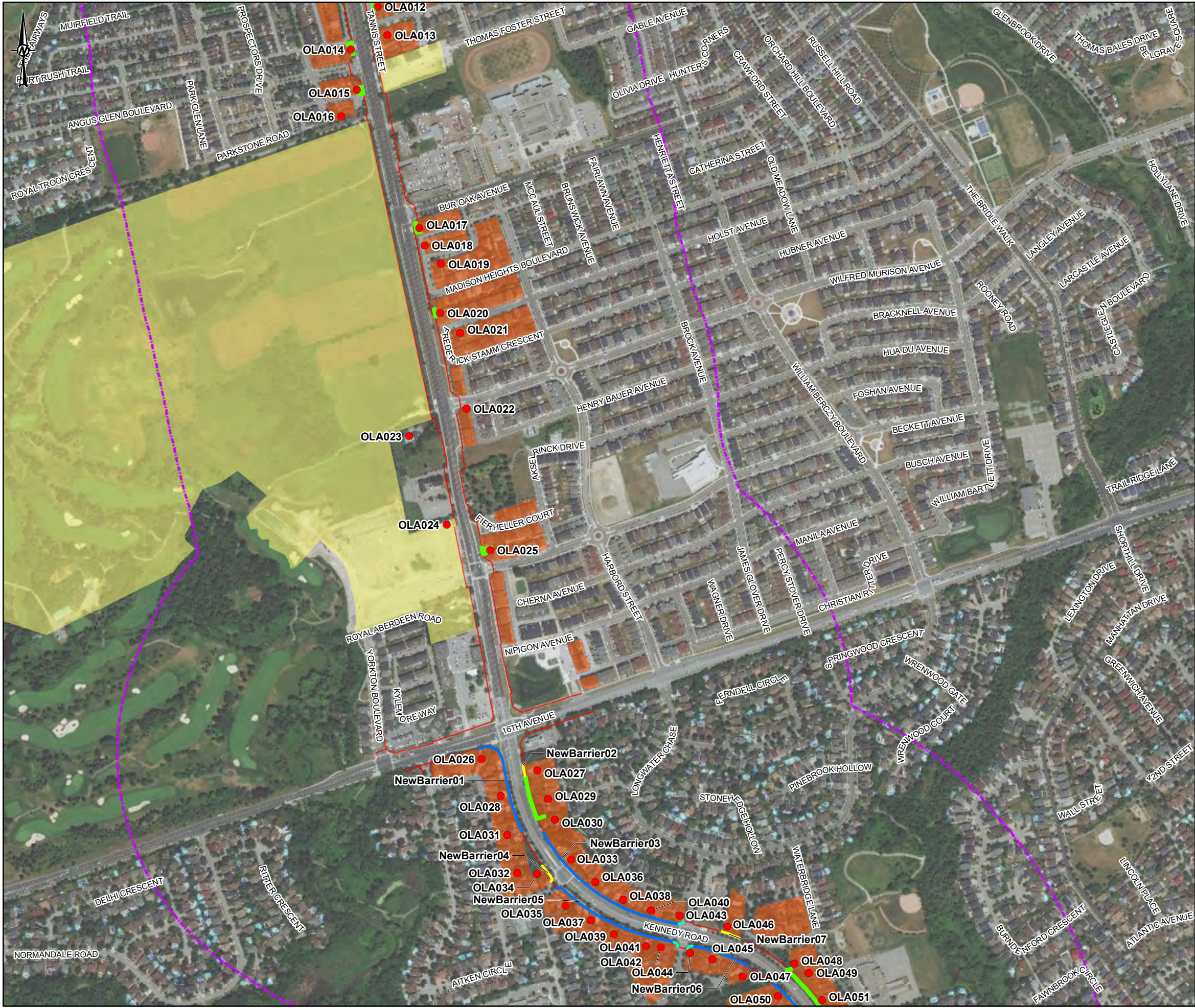
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CLIENT
HDR CORPORATION

PROJECT
MUNICIPAL CLASS EA KENNEDY ROAD NOISE IMPACT STUDY

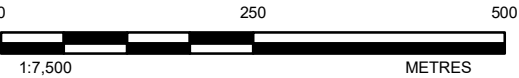
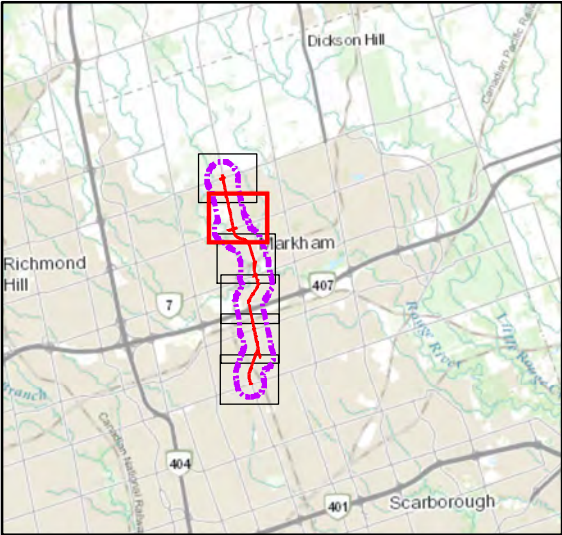
TITLE
ADDITIONAL NOISE BARRIERS INVESTIGATED

	CONSULTANT	YYYY-MM-DD	2020-02-13
	DESIGNED	SO	
	PREPARED	CGE/RRD	
	REVIEWED	SD	
	APPROVED	SC	



- LEGEND
- OUTDOOR LIVING AREA (OLA)
 - EXISTING NOISE BARRIER - FIELD PROGRAM JULY 2017
 - ADDITIONAL BARRIERS INVESTIGATED – ACHIEVE 6 DB REDUCTION
 - ADDITIONAL BARRIERS INVESTIGATED – DOES NOT ACHIEVE 6 DB REDUCTION
 - GATEWAY FEATURE
 - NOISE SENSITIVE AREA (NSA)
 - PROPOSED FUTURE DEVELOPMENT
 - AREA OF INVESTIGATION

KEY MAP



REFERENCE(S)

1. 2018 IMAGERY - SOURCE: ESRI, MAXAR, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEROGRIID, IGN, AND THE GIS USER COMMUNITY SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY

2. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: UTM ZONE 17N

CLIENT

HDR CORPORATION

PROJECT

MUNICIPAL CLASS EA KENNEDY ROAD NOISE IMPACT STUDY

TITLE

ADDITIONAL NOISE BARRIERS INVESTIGATED

CONSULTANT	YYYY-MM-DD	2020-02-13
DESIGNED	SO	
PREPARED	CGE/RRD	
REVIEWED	SD	
APPROVED	SC	

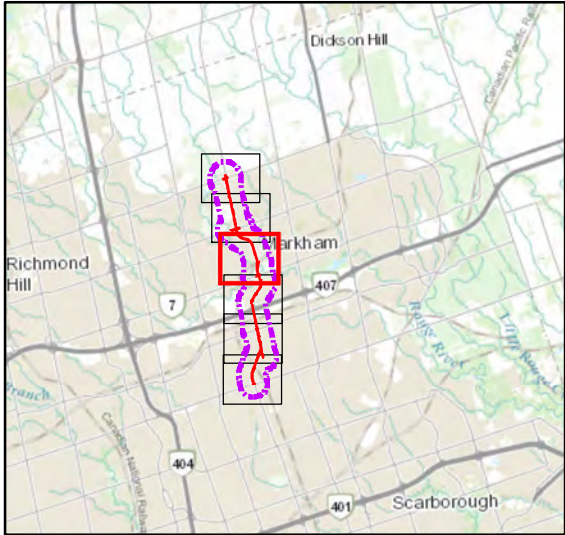


PROJECT NO. 1664178	CONTROL 0001	REV. A	FIGURE 4-B
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- LEGEND
- OUTDOOR LIVING AREA (OLA)
 - EXISTING NOISE BARRIER - FIELD PROGRAM JULY 2017
 - ADDITIONAL BARRIERS INVESTIGATED – ACHIEVE 6 DB REDUCTION
 - ADDITIONAL BARRIERS INVESTIGATED – DOES NOT ACHIEVE 6 DB REDUCTION
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KEY MAP



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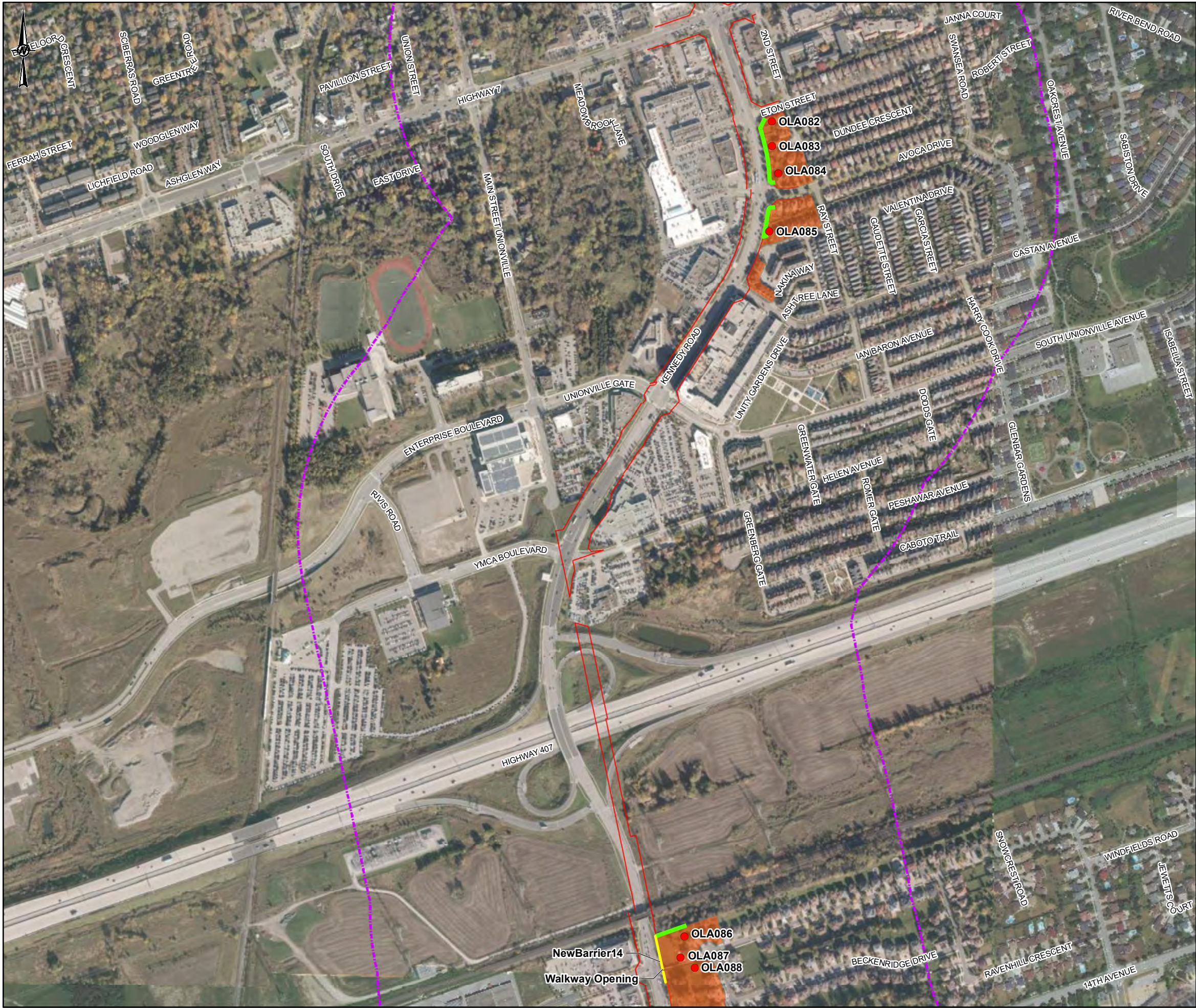
CLIENT
HDR CORPORATION

PROJECT
MUNICIPAL CLASS EA KENNEDY ROAD NOISE IMPACT STUDY

TITLE
ADDITIONAL NOISE BARRIERS INVESTIGATED

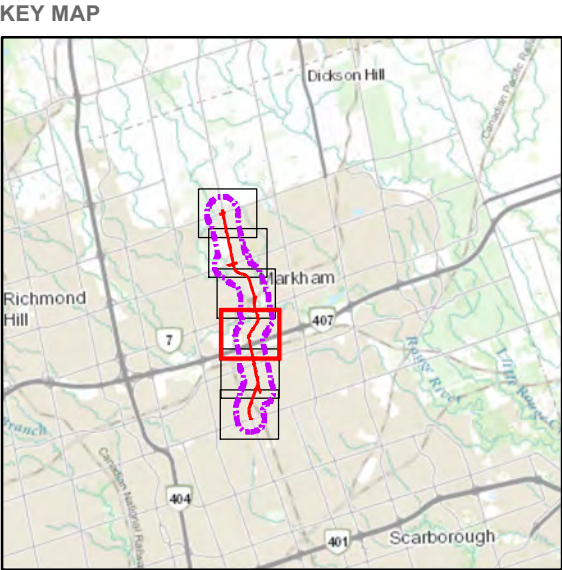
CONSULTANT	YYYY-MM-DD	2020-02-13
DESIGNED	SO	
PREPARED	CGE/RRD	
REVIEWED	SD	
APPROVED	SC	





LEGEND

- OUTDOOR LIVING AREA (OLA)
- EXISTING NOISE BARRIER - FIELD PROGRAM JULY 2017
- ADDITIONAL BARRIERS INVESTIGATED – DOES NOT ACHIEVE 6 DB REDUCTION
- NOISE SENSITIVE AREA (NSA)
- AREA OF INVESTIGATION



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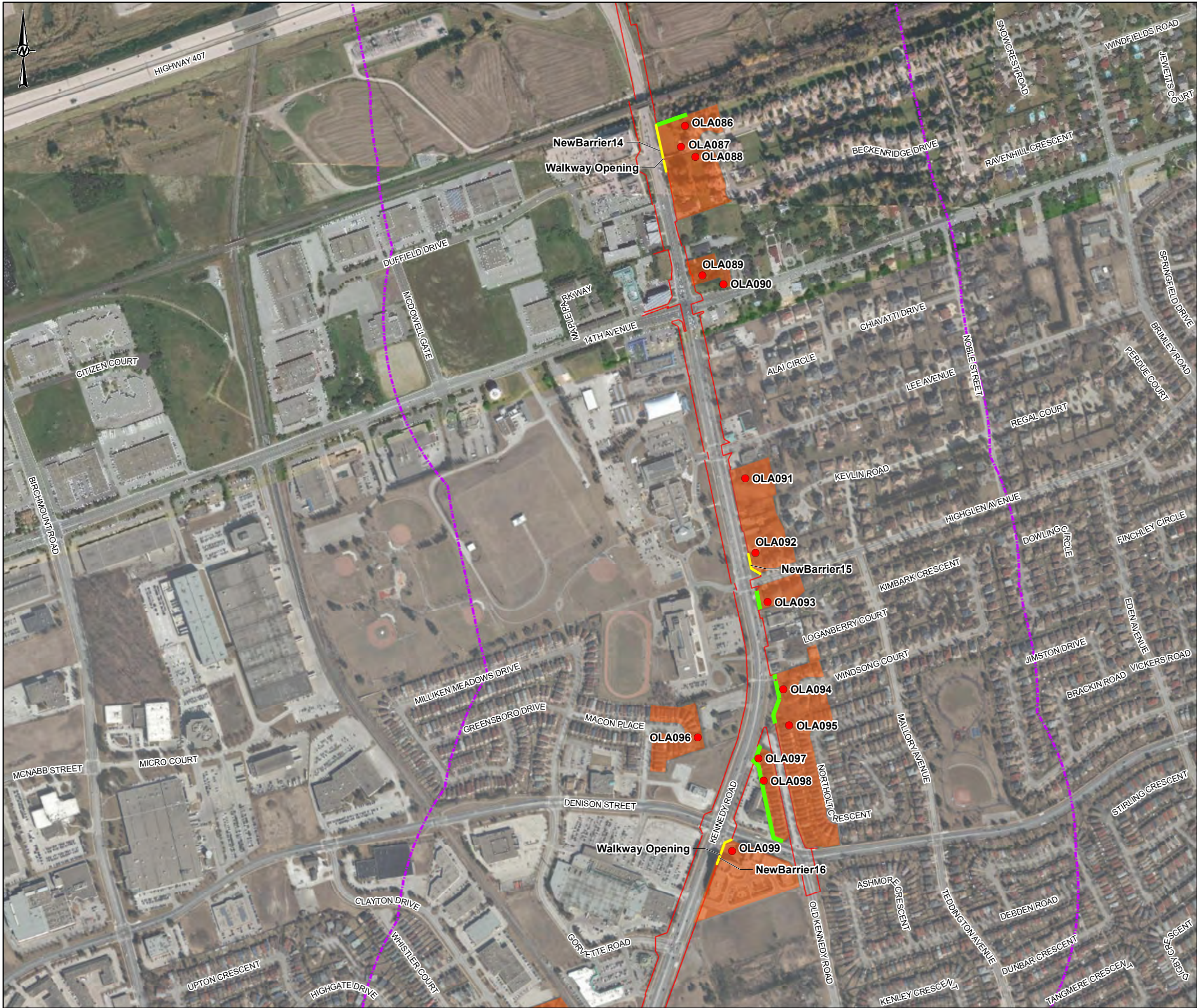
CLIENT
HDR CORPORATION

PROJECT
MUNICIPAL CLASS EA KENNEDY ROAD NOISE IMPACT STUDY

TITLE
ADDITIONAL NOISE BARRIERS INVESTIGATED

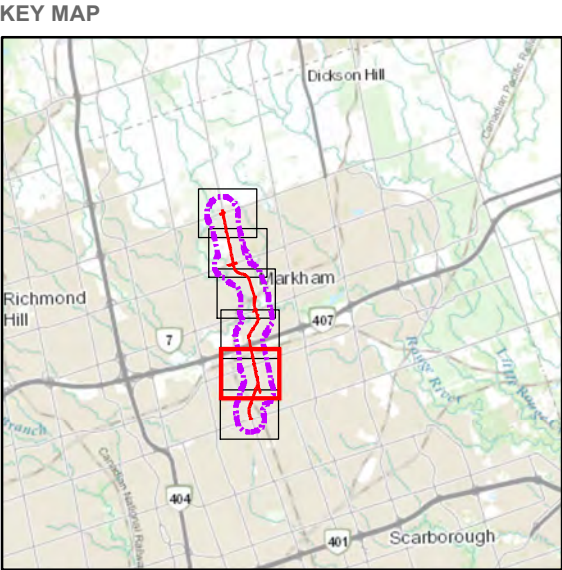
CONSULTANT	YYYY-MM-DD	2020-02-13
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LEGEND

- OUTDOOR LIVING AREA (OLA)
- EXISTING NOISE BARRIER - FIELD PROGRAM JULY 2017
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CLIENT
HDR CORPORATION

PROJECT
MUNICIPAL CLASS EA KENNEDY ROAD NOISE IMPACT STUDY

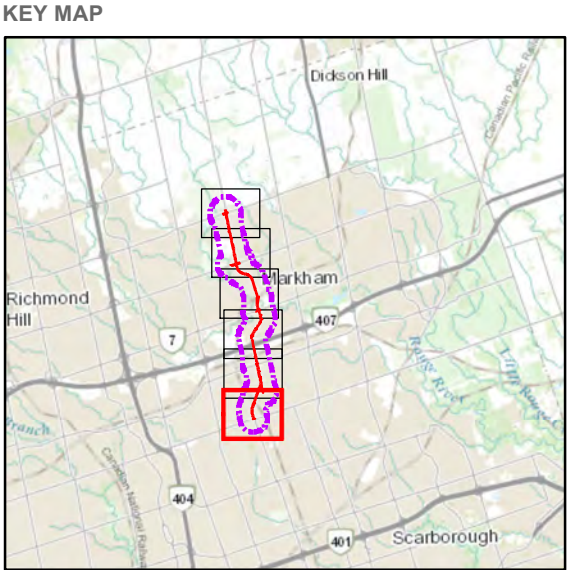
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ADDITIONAL NOISE BARRIERS INVESTIGATED

	CONSULTANT	YYYY-MM-DD	2020-02-13
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	PREPARED	CGE/RRD	
	REVIEWED	SD	
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LEGEND

- OUTDOOR LIVING AREA (OLA)
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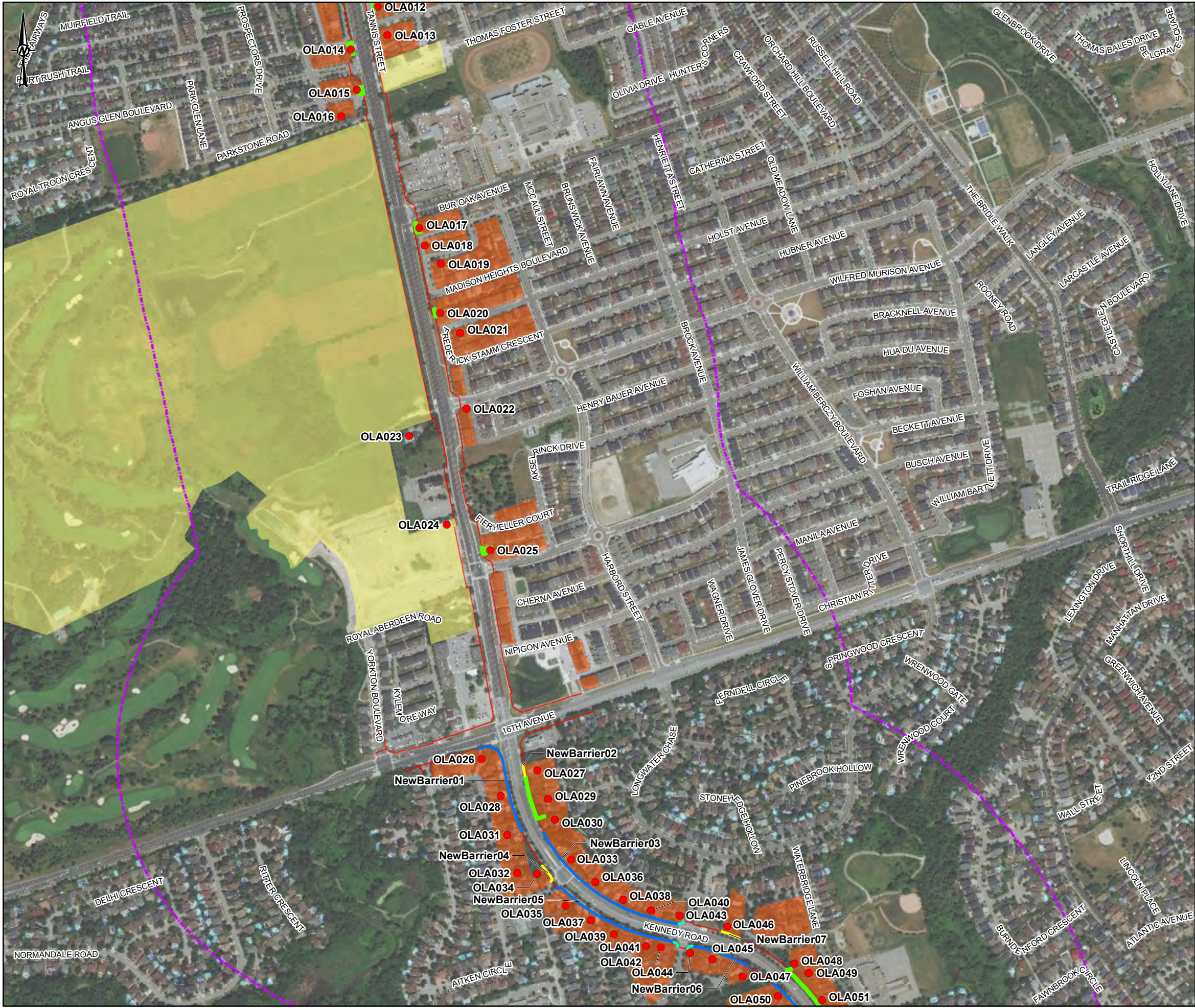
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HDR CORPORATION

PROJECT
MUNICIPAL CLASS EA KENNEDY ROAD NOISE IMPACT STUDY

TITLE
ADDITIONAL NOISE BARRIERS INVESTIGATED

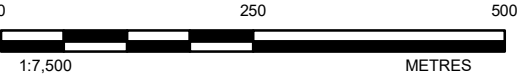
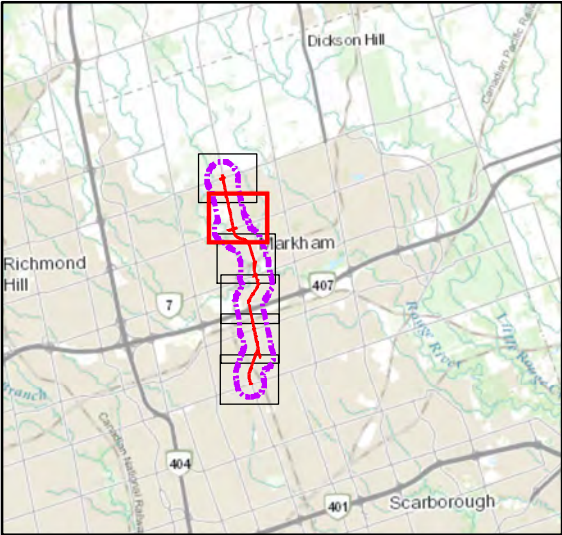
CONSULTANT	YYYY-MM-DD	2020-02-13
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- LEGEND
- OUTDOOR LIVING AREA (OLA)
 - EXISTING NOISE BARRIER - FIELD PROGRAM JULY 2017
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2. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: UTM ZONE 17N

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MUNICIPAL CLASS EA KENNEDY ROAD NOISE IMPACT STUDY

TITLE

ADDITIONAL NOISE BARRIERS INVESTIGATED

CONSULTANT	YYYY-MM-DD	2020-02-13
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PREPARED	CGE/RRD	
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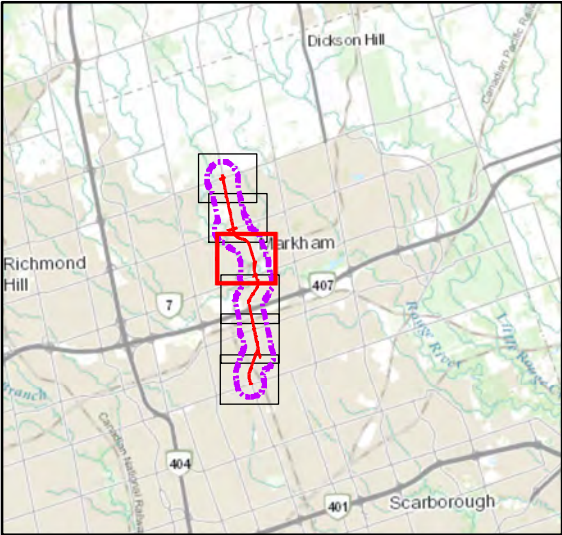
PROJECT NO. 1664178	CONTROL 0001	REV. A	FIGURE 4-B
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LEGEND

- OUTDOOR LIVING AREA (OLA)
- EXISTING NOISE BARRIER - FIELD PROGRAM JULY 2017
- ADDITIONAL BARRIERS INVESTIGATED – ACHIEVE 6 DB REDUCTION
- ADDITIONAL BARRIERS INVESTIGATED – DOES NOT ACHIEVE 6 DB REDUCTION
- GATEWAY FEATURE
- NOISE SENSITIVE AREA (NSA)
- AREA OF INVESTIGATION

KEY MAP



REFERENCE(S)

1. 2018 IMAGERY - SOURCE: ESRI, MAXAR, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEROGRIID, IGN, AND THE GIS USER COMMUNITY SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY

2. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: UTM ZONE 17N

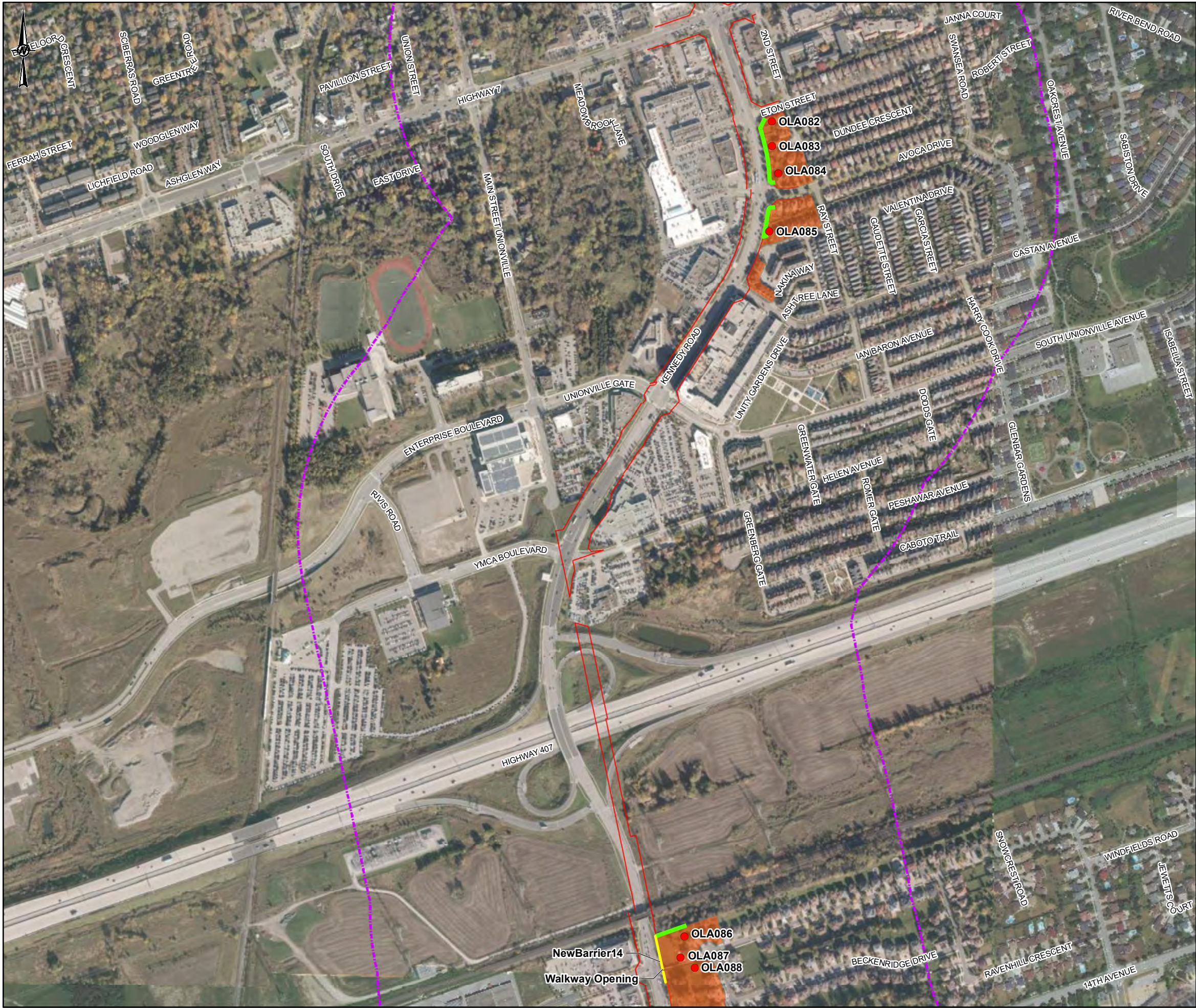
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MUNICIPAL CLASS EA KENNEDY ROAD NOISE IMPACT STUDY

TITLE
ADDITIONAL NOISE BARRIERS INVESTIGATED

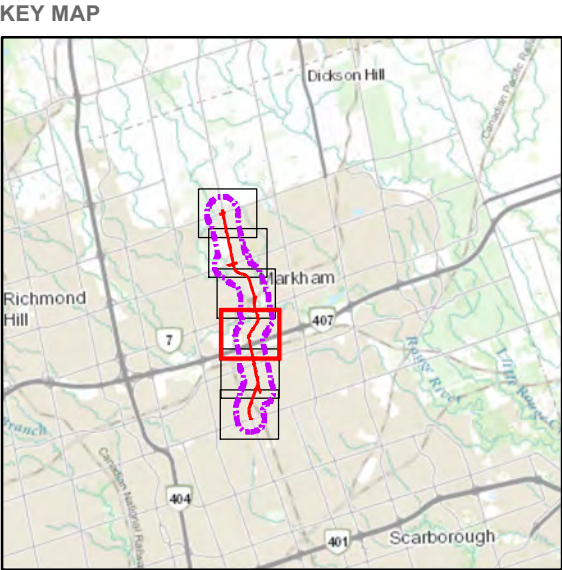
CONSULTANT	YYYY-MM-DD	2020-02-13
	DESIGNED	SO
	PREPARED	CGE/RRD
	REVIEWED	SD
	APPROVED	SC





LEGEND

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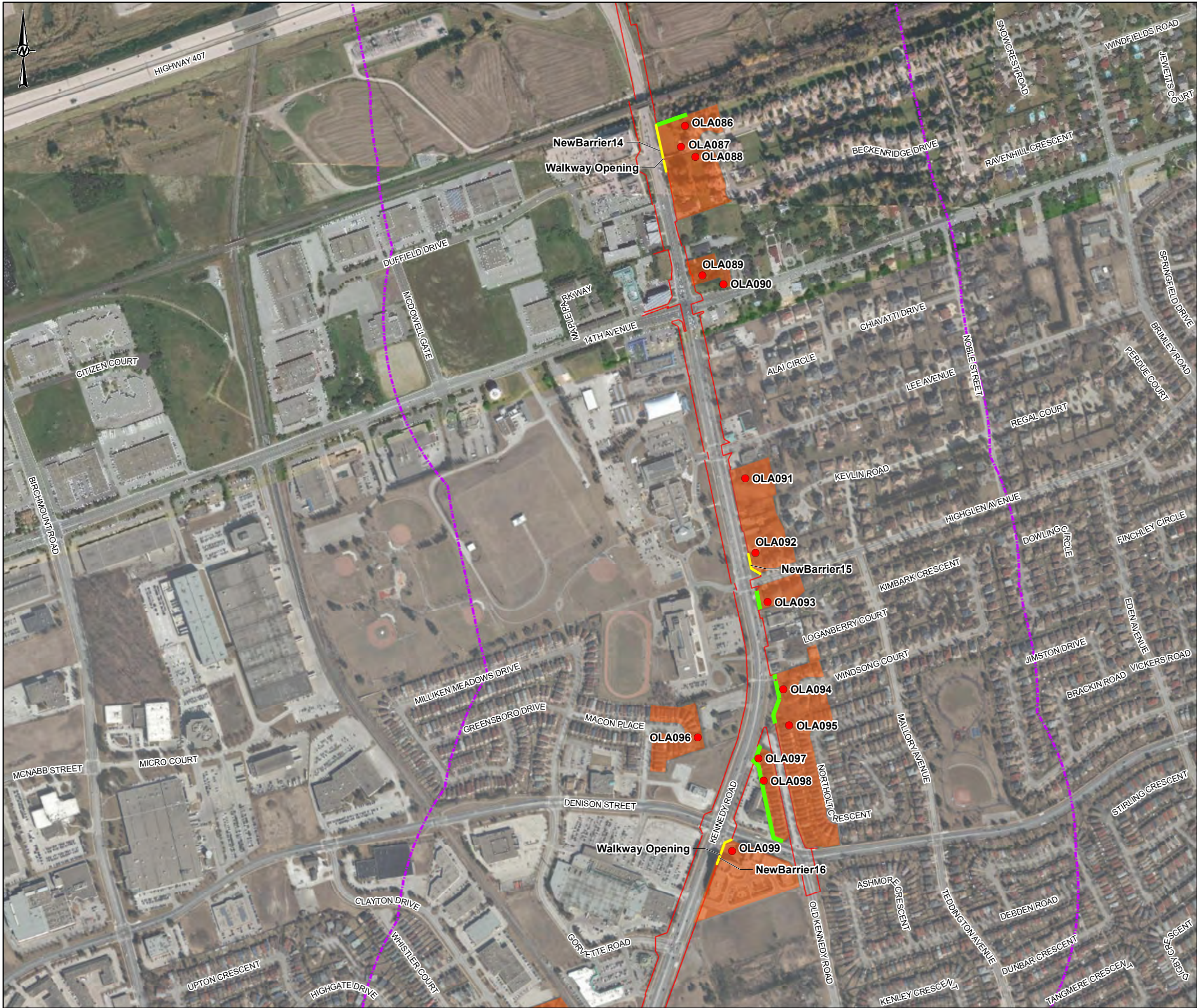
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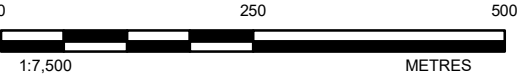
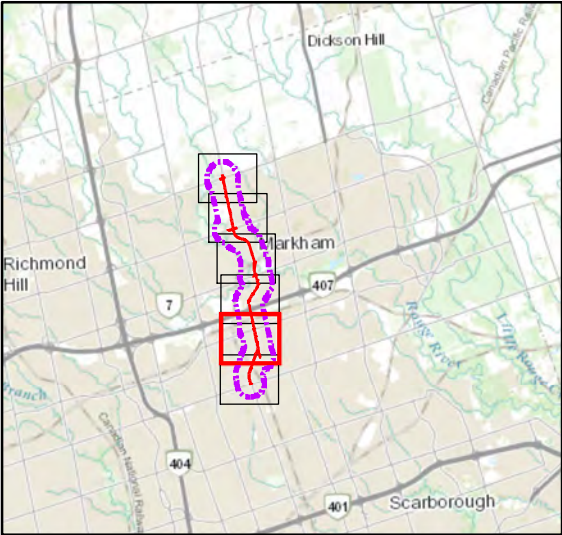




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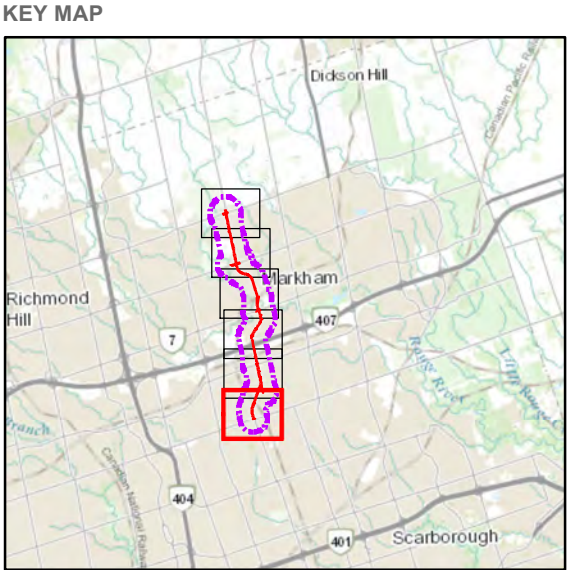
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