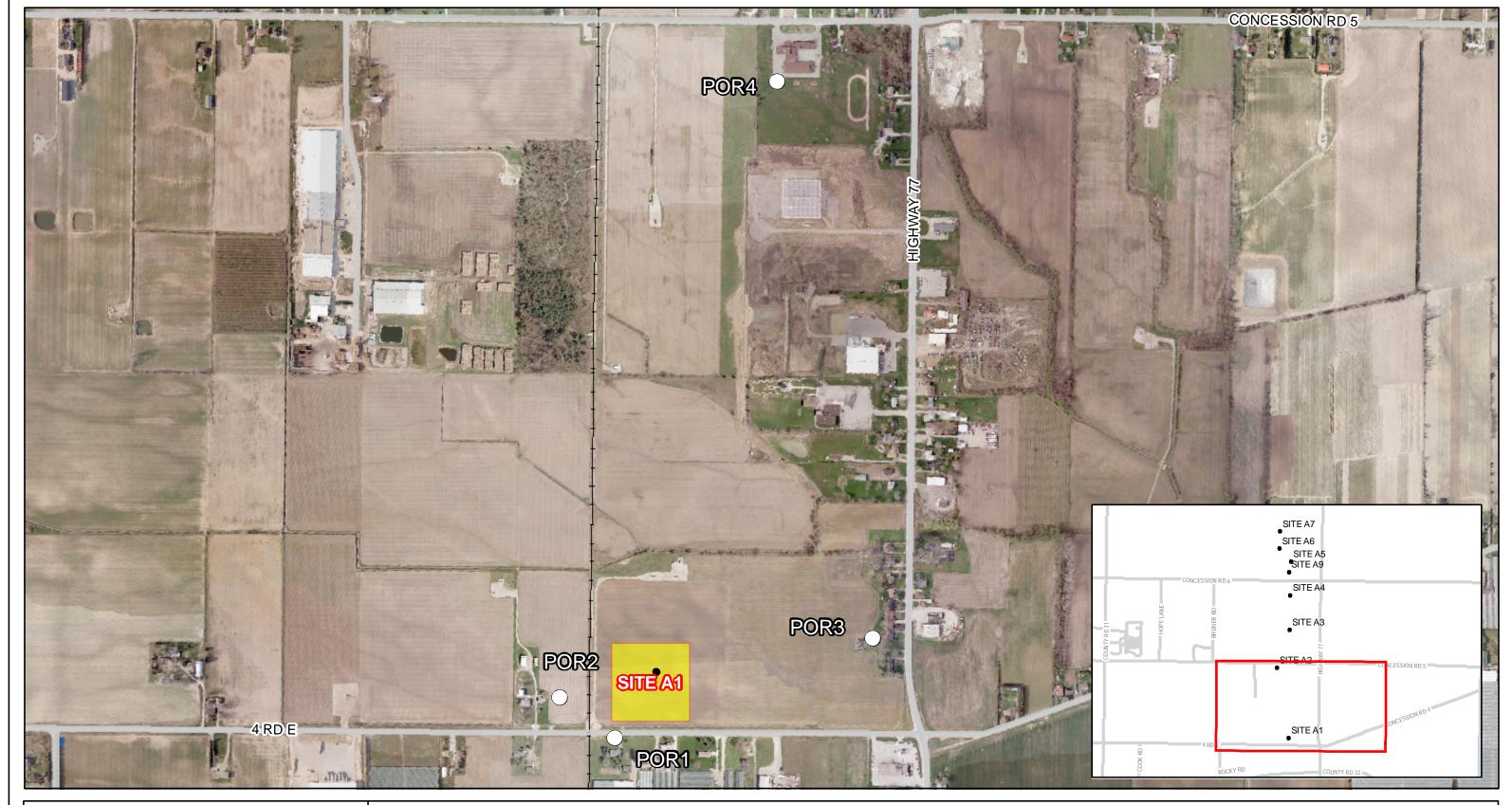
Environmental Noise Checklist

Noise Sou	irces			
How many transformers are proposed at this site? 2				
	neir electrical rating?		•	75/125MVA; 230/27.6 kV
What is the	ne specified maximum sound leve	·l?	•	75dBA
Noise Red	ceptors			
What is th	ne land use according to the local	official plan for the	e area(s) ac	djacent to the proposed site?
Resi	dential 🔀 Agricultural			lustrial
	utional Utility	☐ Park	Gre	eenbelt/Conservation
	er(s): Open Space and Recreation			
	s within approximately 500 metres	s of the proposed	site?	
	nent or seasonal residences		spitals	
	/motels		npgrounds	
	g/retirement homes		ools	\boxtimes
	residences		ces of wors	
	ttached map identifying the four r	nearest points of re	eception (Po	
Name	Description			Distance (metres)
POR1	1 Storey Residence associated south	with green house	s to the	150 m
POR2	1 Storey Residence to the west	į		195 m
POR3	1 Storey Residences to the eas	st along highway 7	7	425 m
POR4	School to the north (Mt. Carme	I Blytheswood PS)		1175 m
What is the	ne Acoustic Class of the noise env	vironment at the re	eceptors	Class 1 or 2
as per Mo	DE guidelines NPC -205 & NPC-2	232?		∑ Class 3
Noise Approval Requirements				
Is a Certificate of Approval (C of A) under s.9 of the <i>Environmental Protection Act</i> required?				
⊠ Yes				
Is a detailed technical Acoustic Assessment Report (AAR) necessary for the C of A process?				
□ Definitely (<500 m separation) □ Unlikely (>500m separation)				
Are noise control measures (i.e., acoustic barriers, specialized equipment) necessary to meet the applicable Ministry of the Environment noise guidelines?				
		······································	□ To bo o	Notorminad by AAD







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Transmission Lines

— 230 kV



--- Abandoned Rail



Approximate location of transformers



Points of Reception (POR)



Alternative Transformer Station Sites

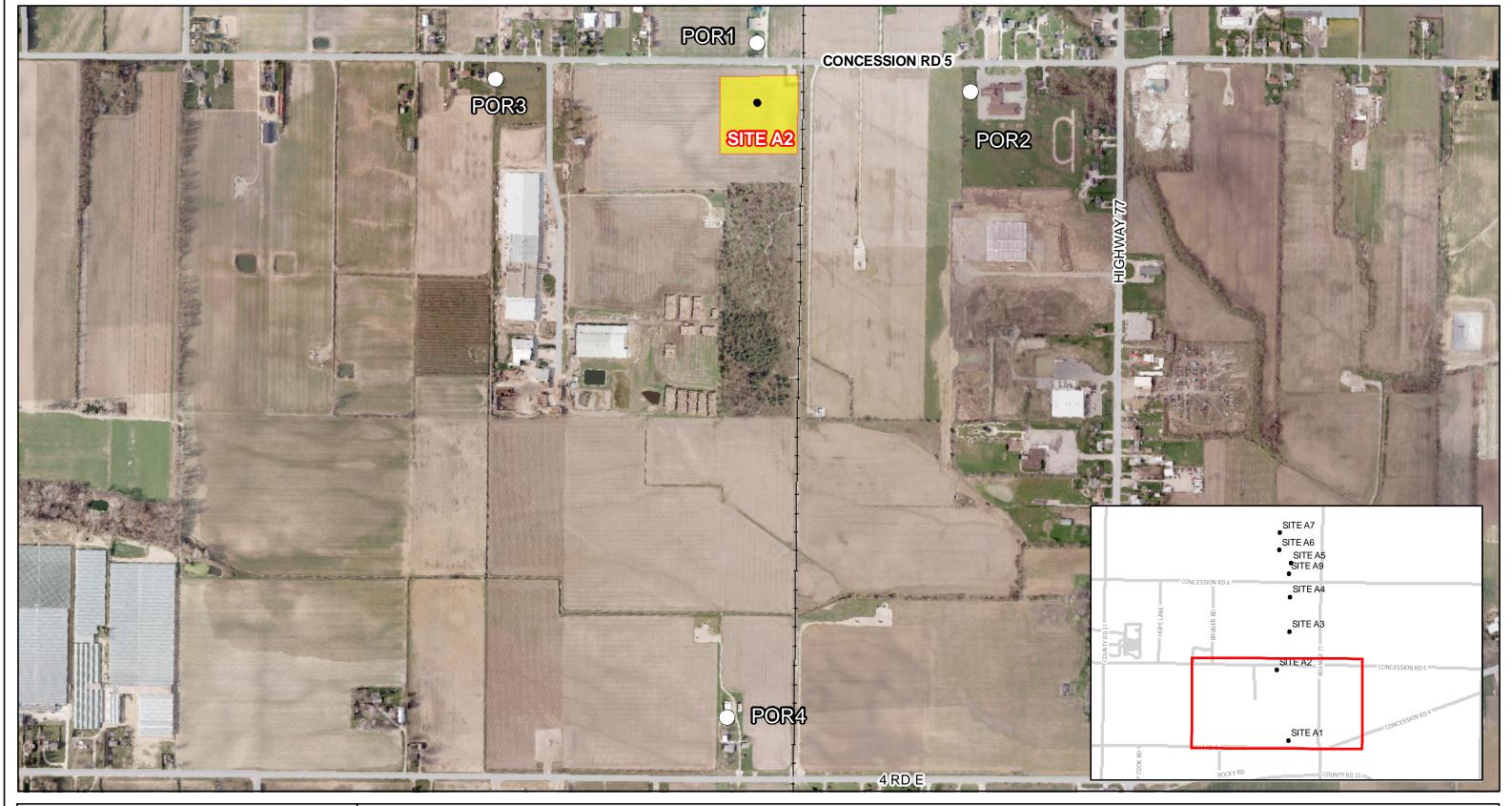
SITE	POR	APPROXIMATE DISTANCE (m)
A1	POR1	150.0
A1	POR2	195.0
A1	POR3	425.0
A1	POR4	1175.0

LEAMINGTON TS ALTERNATIVE SITES SITE A1 Points of Reception (POR)



0	100	200
		Mete

Noise Sou	urces				
How many transformers are proposed at this site? 2					
	heir electrical rating?	75/125MVA; 230/27.6 kV			
What is th	he specified maximum sound level?	75dBA			
Noise Red	ceptors				
	he land use according to the local official plan for the area(s)	adjacent to the proposed site?			
		ndustrial			
		Greenbelt/Conservation			
	er(s): Open Space and Recreation				
	s within approximately 500 metres of the proposed site?				
	anent or seasonal residences Hospitals				
	s/motels Campground				
	ng/retirement homes Schools				
	I residences Places of wo				
	attached map identifying the four nearest points of reception (
Name	Description	Distance (metres)			
POR1	2 Storey Residence to the north	115 m			
POR2	Single Storey School to the east (Mt. Carmel Blytheswood PS)	415 m			
POR3	2 Storey Residence to the west beyond mushroom processors	510 m			
POR4	Single Storey Residence on 4 Rd E	1190 m			
What is th	he Acoustic Class of the noise environment at the receptors	Class 1 or 2			
as per MO	OE guidelines NPC -205 & NPC-232?	☐ Class 3			
	Noise Approval Requirements				
Is a Certificate of Approval (C of A) under s.9 of the <i>Environmental Protection Act</i> required?					
Yes No					
Is a detailed technical Acoustic Assessment Report (AAR) necessary for the C of A process?					
☐ Definitely (<500 m separation) ☐ Unlikely (>500m separation)					
Are noise control measures (i.e., acoustic barriers, specialized equipment) necessary to meet the					
	cable Ministry of the Environment noise guidelines?				
⊠ Lik	kely Unlikely To be	e determined by AAR			







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Transmission Lines





----- Abandoned Rail

Approximate location of transformers



Alternative Transformer Station Sites

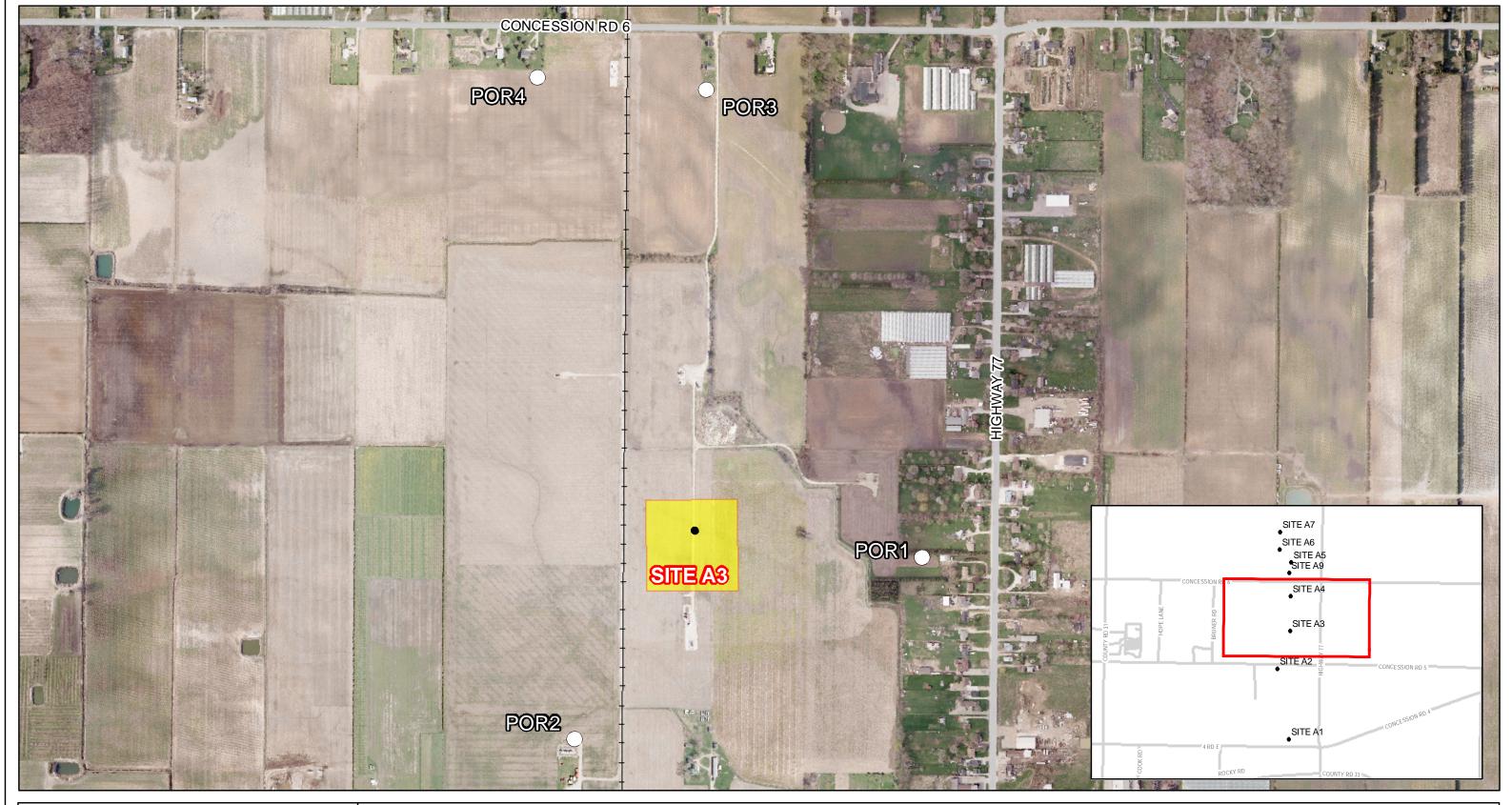
SITE	POR	APPROXIMATE DISTANCE (m)
A2	POR1	115.0
A2	POR2	415.0
A2	POR3	510.0
A2	POR4	1190.0

LEAMINGTON TS ALTERNATIVE SITES SITE A2 Points of Reception (POR)



0	100	200
		Met

Noise Sou	ırces			
How many transformers are proposed at this site? 2				
What is th	neir electrical rating?	75/125MVA; 230/27.6 kV		
What is th	ne specified maximum sound level?	75dBA		
Noise Rec	entors			
		the area(s) adjacent to the proposed site?		
	ne land use according to the local official plan for t dential Agricultural Commercia			
_	utional Utility Park	Greenbelt/Conservation		
	r(s): Open Space and Recreation			
	s within approximately 500 metres of the proposed	d sito?		
-		ospitals		
		ampgrounds		
		chools		
		laces of worship		
	ttached map identifying the four nearest points of			
Name	Description	Distance (metres)		
IVAIIIC	Single Storey residences to the east – strip dev			
POR1	along highway 77	380 m		
POR2	2 Storey Residence to the south	400 m		
POR3	1½ storey residence to the north	735 m		
POR4	1½ storey residence to the north west	735 m		
	ne Acoustic Class of the noise environment at the			
	DE guidelines NPC -205 & NPC-232?	Class 3		
as per ivid	DE guidelines IVI C -200 & IVI C-202 :	Class 3		
	proval Requirements			
Is a Certif	icate of Approval (C of A) under s.9 of the <i>Enviror</i>	nmental Protection Act required?		
∑ Yes				
Is a detailed technical Acoustic Assessment Report (AAR) necessary for the C of A process?				
□ Definitely (<500 m separation) □ Unlikely (>500m separation)				
Are noise control measures (i.e., acoustic barriers, specialized equipment) necessary to meet the				
applicable Ministry of the Environment noise guidelines?				
⊠ Lik	☐ Likely ☐ To be determined by AAR			







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Transmission Lines

230 kV





+ Abandoned Rail



Approximate location of transformers



Points of Reception (POR)



Alternative Transformer Station Sites

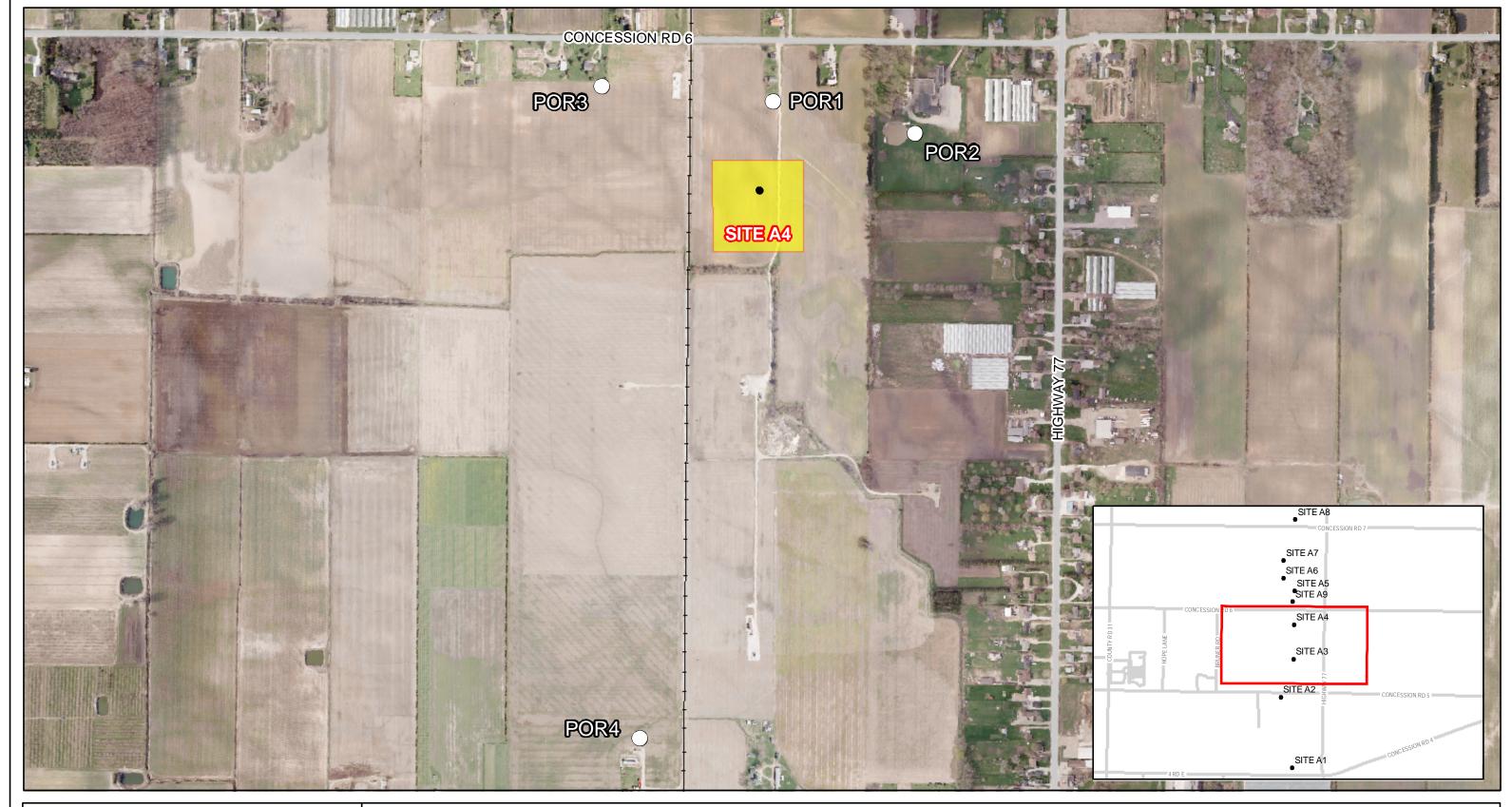
SITE	POR	APPROXIMATE DISTANCE (m)
A3	POR1	380.0
A3	POR2	400.0
A3	POR3	735.0
A3	POR4	795.0

LEAMINGTON TS ALTERNATIVE SITES SITE A3 Points of Reception (POR)



0	100	200
		Meter

Noise Sources			
How many transformers are proposed at this site	e? 2		
What is their electrical rating?	75/125MVA; 230/27.6 kV		
What is the specified maximum sound level?	75dBA		
Noise Receptors			
	al plan for the area(s) adjacent to the proposed site?		
	Commercial Industrial		
	Park Greenbelt/Conservation		
Other(s): Open Space and Recreation	-		
Receptors within approximately 500 metres of th	ne proposed site?		
Permanent or seasonal residences	Hospitals		
Hotels/motels	Campgrounds		
Nursing/retirement homes	Schools		
Rental residences	Places of worship		
See the attached map identifying the four neares	st points of reception (POR) described below.		
Name Description	Distance (metres)		
POR1 1½ storey residence to the north	150 m		
POR2 School	275 m		
POR3 1½ storey residence to the north-wes	st 315 m		
POR4 2 storey residence to the south	920 m		
What is the Acoustic Class of the noise environr	nent at the receptors		
as per MOE guidelines NPC -205 & NPC-232?	☐ Class 3		
Noise Approval Requirements			
Is a Certificate of Approval (C of A) under s.9 of the <i>Environmental Protection Act</i> required?			
Yes No			
Is a detailed technical Acoustic Assessment Report (AAR) necessary for the C of A process?			
□ Definitely (<500 m separation) □ Unlikely (>500m separation)			
Are noise control measures (i.e., acoustic barriers, specialized equipment) necessary to meet the			
applicable Ministry of the Environment noise guidelines?			
	☐ To be determined by AAR		







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Transmission Lines

- 230 kV



- Abandoned Rail



Approximate location of transformers



Points of Reception (POR)

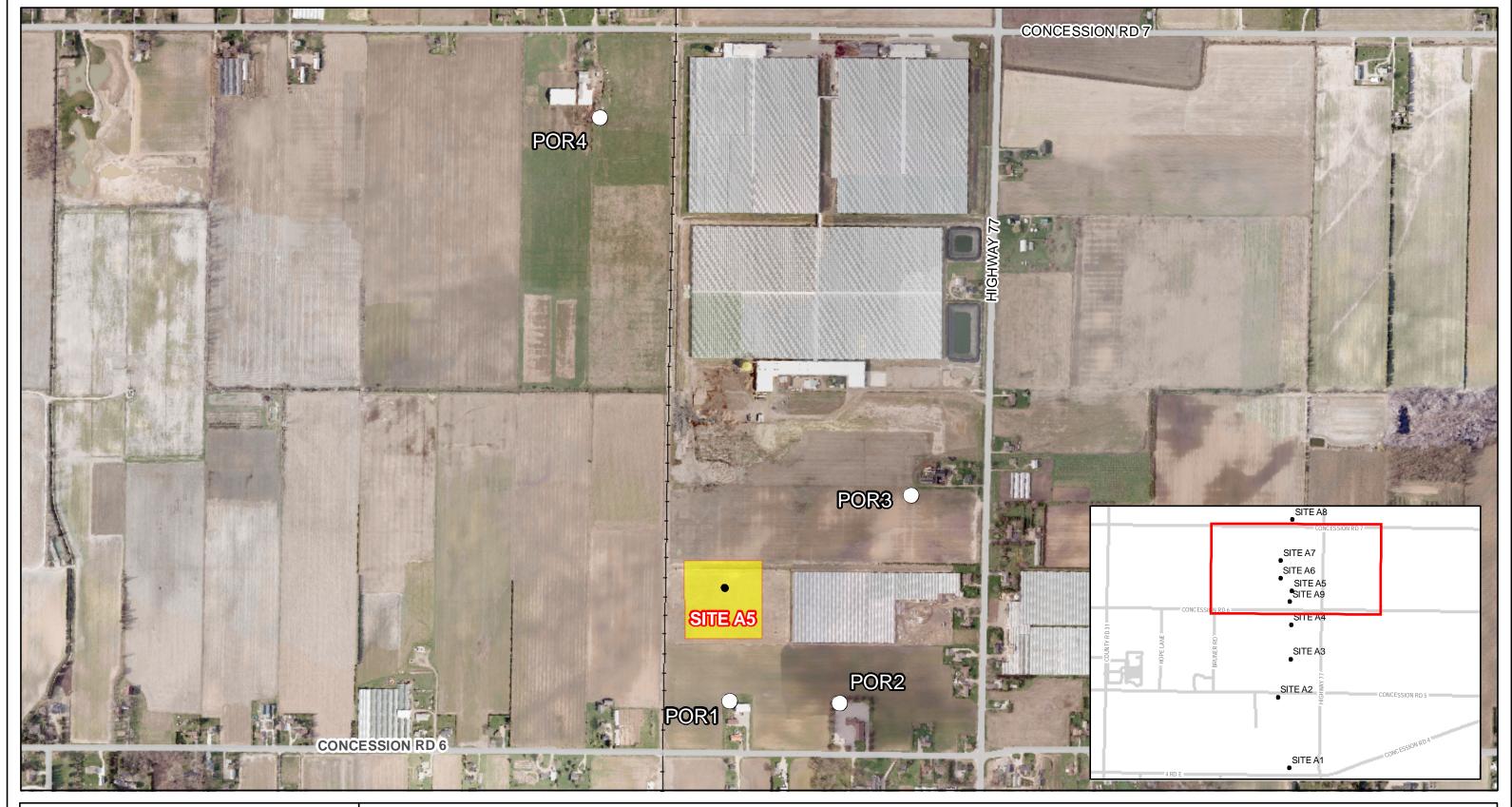
Alternative Transformer Station Sites

SITE	POR	APPROXIMATE DISTANCE (m)
A4	POR1	150.0
A4	POR2	275.0
A4	POR3	315.0
A4	POR4	920.0

LEAMINGTON TS ALTERNATIVE SITES SITE A4 Points of Reception (POR)



Noise Sources			
How many transformers are proposed at this site?	2		
What is their electrical rating?	75/125MVA; 230/27.6 kV		
What is the specified maximum sound level?	75dBA		
Noise Receptors			
What is the land use according to the local official plan for the area(s) a	adiacent to the proposed site?		
	ndustrial		
	reenbelt/Conservation		
Other(s): Open Space and Recreation			
Receptors within approximately 500 metres of the proposed site?			
Permanent or seasonal residences Hospitals			
Hotels/motels Campground	s \square		
Nursing/retirement homes Schools			
Rental residences Places of wor			
See the attached map identifying the four nearest points of reception (I	POR) described below.		
Name Description	Distance (metres)		
POR1 1 storey residence to the south	220 m		
POR2 Church	320 m		
POR3 1 storey residence on highway 77	405 m		
POR4 1.5 storey residences to the north west	950 m		
What is the Acoustic Class of the noise environment at the receptors	Class 1 or 2		
as per MOE guidelines NPC -205 & NPC-232?	⊠ Class 3		
Noise Approval Requirements			
Is a Certificate of Approval (C of A) under s.9 of the <i>Environmental Pro</i>	ntection Act required?		
Yes No			
Is a detailed technical Acoustic Assessment Report (AAR) necessary for the C of A process?			
□ Definitely (<500 m separation) □ Unlikely (>500m separation)			
Are noise control measures (i.e., acoustic barriers, specialized equipment) necessary to meet the			
applicable Ministry of the Environment noise guidelines?			
☐ Likely ☐ Unlikely ☐ To be	determined by AAR		







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Transmission Lines

230 kV





Abandoned Rail Approximate location of transformers



Points of Reception (POR)



Alternative Transformer Station Sites

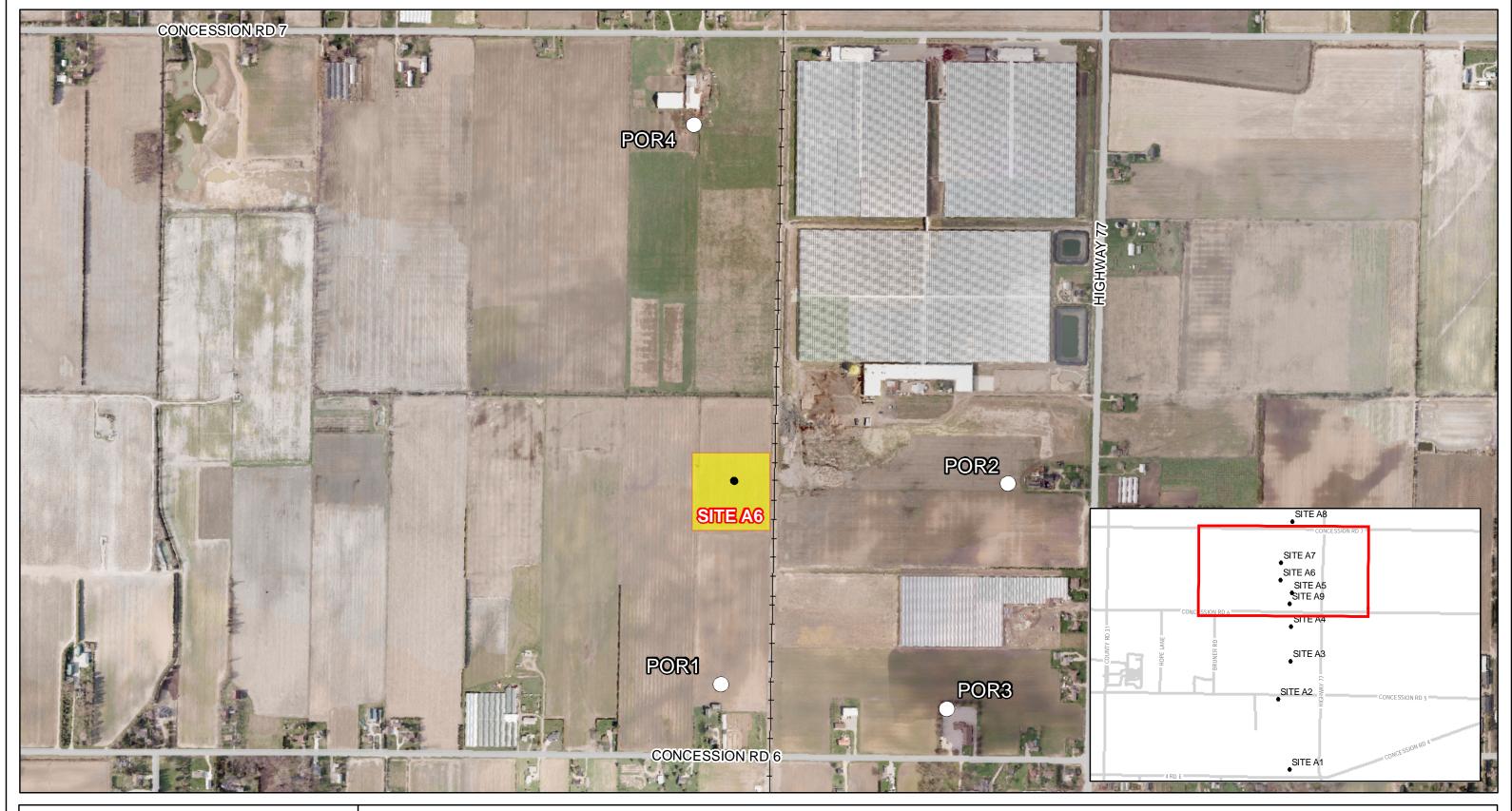
SITE	POR	APPROXIMATE DISTANCE (m)
A5	POR1	220.0
A5	POR2	320.0
A5	POR3	405.0
A5	POR4	950.0

LEAMINGTON TS ALTERNATIVE SITES **SITE A5 Points of Reception (POR)**



Ω	100	200
	100	Mete

Noise Sources					
How man	How many transformers are proposed at this site? 2				
What is th	neir electrical rating?			75/125MVA; 230/27.6 kV	
	ne specified maximum sound leve	e ?		75dBA	
Noice Dec	contare				
Noise Rec		official plan for the	2722(2) 21	Cetta became and at the college	
	ne land use according to the local				
	dential Agricultural	Commercial		dustrial	
	utional Utility	☐ Park		eenbelt/Conservation	
	r(s): Open Space and Recreation				
······	s within approximately 500 metre				
	nent or seasonal residences		oitals		
	/motels		pgrounds		
Nursin	g/retirement homes	Scho	ols		
	residences		es of wors		
See the a	ttached map identifying the four i	nearest points of re	ception (P	OR) described below.	
Name	Description			Distance (metres)	
POR1	2 storey residence to the soutl	า		400 m	
POR2	1 storey residence on highway 77 535 m			535 m	
POR3	Mennonite Church			610 m	
POR4	1½ storey residence to the nor	th		695 m	
What is th	ne Acoustic Class of the noise en		ceptors	Class 1 or 2	
	DE guidelines NPC -205 & NPC-2		'	Class 3	
· · · · · · · · · · · · · · · · · · ·					
Noise Approval Requirements					
Is a Certificate of Approval (C of A) under s.9 of the <i>Environmental Protection Act</i> required?					
∑ Yes					
Is a detailed technical Acoustic Assessment Report (AAR) necessary for the C of A process?					
□ Definitely (<500 m separation) □ Unlikely (>500m separation)					
Are noise control measures (i.e., acoustic barriers, specialized equipment) necessary to meet the					
applicable Ministry of the Environment noise guidelines?					
Likely Unlikely To be determined by AAR					







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Transmission Lines

230 kV



Roads



+ Abandoned Rail



Approximate location of transformers



Points of Reception (POR)

		ı
		ı
		ı
		ı
_		ı

Alternative Transformer Station Sites

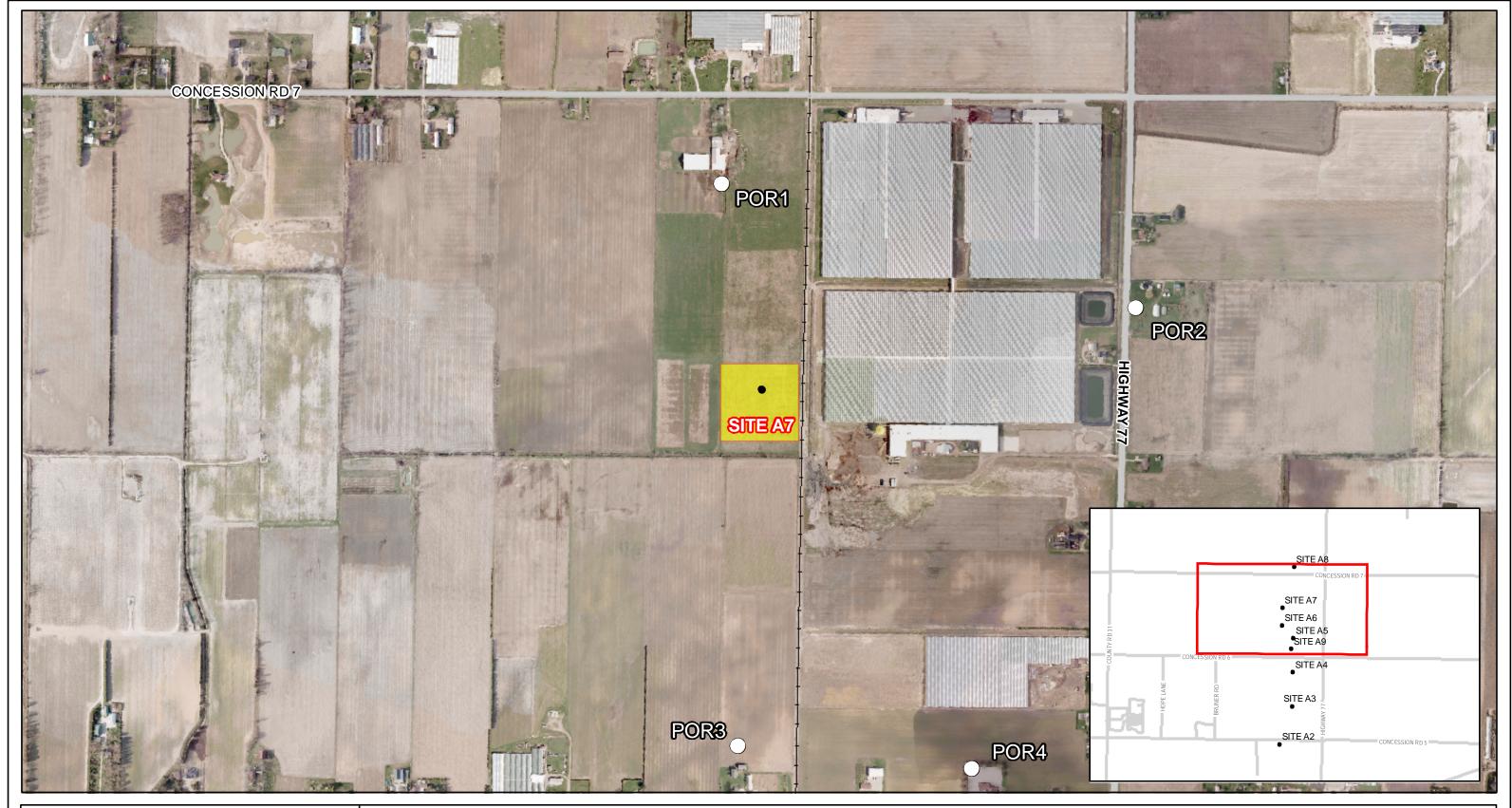
SITE	POR	APPROXIMATE DISTANCE (m)
A6	POR1	400.0
A6	POR2	535.0
A6	POR3	610.0
A6	POR4	695.0

LEAMINGTON TS ALTERNATIVE SITES SITE A6 Points of Reception (POR)



2	00	400
		☐ Meter

Noise Sources				
How many transformers are proposed at this site? 2				
What is their electrical rating?	75/125MVA; 230/27.6 kV			
What is the specified maximum sound level?	75dBA			
Noise Receptors				
What is the land use according to the local official plan for the area(s) a	adiacent to the proposed site?			
	idustrial			
	reenbelt/Conservation			
Other(s): Open Space and Recreation				
Receptors within approximately 500 metres of the proposed site?				
Permanent or seasonal residences Hospitals				
Hotels/motels Campgrounds	\Box			
Nursing/retirement homes Schools				
Rental residences Places of wor	ship 🖂			
See the attached map identifying the four nearest points of reception (POR) described below.				
Name Description Distance (metres)				
POR1 1½ storey residence to the north	415 m			
POR2 1 storey residence on highway 77 750 m				
POR3 2 storey residence to the south	690 m			
POR4 Church	845 m			
What is the Acoustic Class of the noise environment at the receptors Class 1 or 2				
as per MOE guidelines NPC -205 & NPC-232?				
Noise Approval Requirements				
Is a Certificate of Approval (C of A) under s.9 of the <i>Environmental Protection Act</i> required?				
∑ Yes				
Is a detailed technical Acoustic Assessment Report (AAR) necessary for the C of A process?				
□ Definitely (<500 m separation) □ Unlikely (>500m separation)				
Are noise control measures (i.e., acoustic barriers, specialized equipment) necessary to meet the				
applicable Ministry of the Environment noise guidelines?				
	determined by AAR			







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Transmission Lines

230 kV





+ Abandoned Rail



Approximate location of transformers



Points of Reception (POR)



Alternative Transformer Station Sites

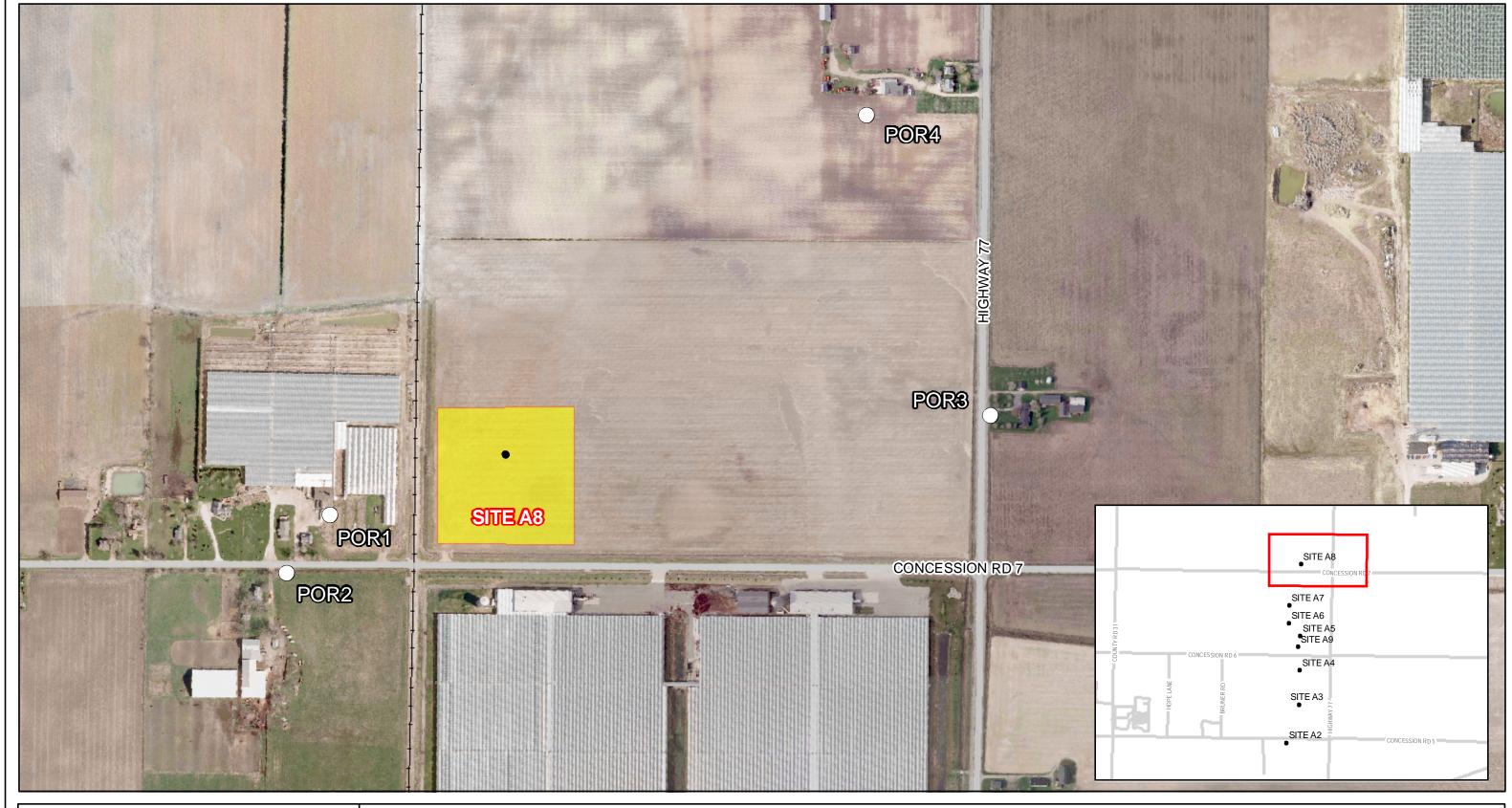
SITE	POR	APPROXIMATE DISTANCE (m)
A7	POR1	415.0
A7	POR2	750.0
A7	POR3	695.0
A7	POR4	845.0

LEAMINGTON TS ALTERNATIVE SITES SITE A7 Points of Reception (POR)



)	200	400
		Mete:

Noise Sources				
How many transformers are proposed at this site?	2			
What is their electrical rating?	75/125MVA; 230/27.6 kV			
What is the specified maximum sound level?	75dBA			
Noise Receptors				
What is the land use according to the local official plan for the a	rea(s) adjacent to the proposed site?			
Residential Agricultural Commercial	Industrial			
☐ Institutional ☐ Utility ☐ Park	Greenbelt/Conservation			
Other(s): Open Space and Recreation	_			
Receptors within approximately 500 metres of the proposed site	9?			
Permanent or seasonal residences Hospit	tals			
Hotels/motels	grounds			
Nursing/retirement homes School	ols \square			
Rental residences Places	s of worship			
See the attached map identifying the four nearest points of rece	eption (POR) described below.			
Name Description	Distance (metres)			
POR1 1½ storey residence to the west	205 m			
POR2 1½ storey residence to the south west	275 m			
POR3 1½ storey residence to the east	540 m			
POR4 1½ storey residence to the north east	550 m			
What is the Acoustic Class of the noise environment at the rece	eptors Class 1 or 2			
as per MOE guidelines NPC -205 & NPC-232?	☐ Class 3			
Noise Approval Requirements				
Is a Certificate of Approval (C of A) under s.9 of the <i>Environmental Protection Act</i> required?				
Yes No				
Is a detailed technical Acoustic Assessment Report (AAR) necessary for the C of A process?				
□ Definitely (<500 m separation) □ Unlikely (>500m separation)				
Are noise control measures (i.e., acoustic barriers, specialized equipment) necessary to meet the				
applicable Ministry of the Environment noise guidelines?				
Likely Unlikely	To be determined by AAR			







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Tran

Transmission Lines

- 230 kV



→ Abandoned Rail



Approximate location of transformers



Points of Reception (POR)



Alternative Transformer Station Sites

	SITE	POR	APPROXIMATE DISTANCE (m)
	A8	POR1	205.0
I	A8	POR2	275.0
Ī	A8	POR3	540.0
ſ	A8	POR4	550.0

LEAMINGTON TS ALTERNATIVE SITES SITE A8 Points of Reception (POR)



0	100	200
		Met

Noise Sources	
How many transformers are proposed at this site?	2
What is their electrical rating?	75/125MVA; 230/27.6 kV
What is the specified maximum sound level?	75dBA
Noice Decembers	
Noise Receptors	
What is the land use according to the local official plan for the area(s) adjacent to the proposed site?	
	Industrial
	Greenbelt/Conservation
Other(s): Open Space and Recreation	
Receptors within approximately 500 metres of the proposed site?	
Permanent or seasonal residences Hospitals	
Hotels/motels Campgroun	ds 📙
Nursing/retirement homes Schools	
Rental residences Places of w	
See the attached map identifying the four nearest points of reception (POR) described below.	
Name Description	Distance (metres)
POR1 2 storey residence to the west	160 m
POR2 2 storey residence to the south	190 m
POR3 Church to the east	260 m
POR4 1.5 storey residence to the north	1120 m
What is the Acoustic Class of the noise environment at the receptors	Class 1 or 2
as per MOE guidelines NPC -205 & NPC-232?	Class 3
· · · · · · · · · · · · · · · · · · ·	
Noise Approval Requirements	
Is a Certificate of Approval (C of A) under s.9 of the <i>Environmental Protection Act</i> required?	
∑ Yes	
Is a detailed technical Acoustic Assessment Report (AAR) necessary for the C of A process?	
□ Definitely (<500 m separation) □ Unlikely (>500m separation)	
Are noise control measures (i.e., acoustic barriers, specialized equipment) necessary to meet the	
applicable Ministry of the Environment noise guidelines?	
∑ Likely ☐ Unlikely ☐ To b	e determined by AAR



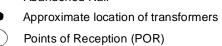
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+--+ Abandoned Rail



Alternative Transformer Station Sites

 SITE
 POR
 APPROXIMATE DISTANCE (m)

 A9
 POR1
 160.0

 A9
 POR2
 190.0

 A9
 POR3
 260.0

 A9
 POR4
 1120.0



0 100 200 Meter