Epsilon ASSOCIATES INC.

Mill Point Solar_Sound_Exhibit 7_Addendum_20240709.docx

July 9, 2024

Ms. Tegan Kondak
Strategic Account Director
TRC Companies
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065

Subject: Revisions to the February 12, 2024 §900-2.8 Exhibit 7 – Noise & Vibration – Mill Point Solar I Updated Project Layout

Dear Ms. Kondak:

Since the sound level analysis presented in the February 12, 2024 §900-2.8 Exhibit 7 - Noise and Vibration (DMM Record 15, 16 & 17) for the Mill Point Solar I Project (the Project), the location of two photovoltaic central inverters has changed. The quantity and equipment manufacturer for the photovoltaic central inverters remain unchanged. A total of 60 Sungrow SG4400UD-MV photovoltaic central inverters are still expected across the Project. Each inverter still has a maximum electric output of 5,060 kVA at 22.5°C, and a height of 2.896 meters. In addition, the design and equipment manufacturers for the transformer and HVAC units at the collector substation remain unchanged.

The change in location for Inverter 25 and Inverter 44 was provided to Epsilon on 2024-06-24. Inverter 25 was relocated 372 meters (1220 feet) to the west (266.5 degrees). Inverter 44 was relocated 136 meters (446 feet) to the north (359.6 degrees). Attached, Appendix 7-1 List of Modeled Sound Sources provides the updated coordinates, ground elevations, and heights above ground for all sound sources, including the updated inverter locations, referred to as the Updated Project Layout for the Project. In addition, an updated Figure 7-1 is attached providing an aerial locus of the updated inverter locations.

The Updated Project Layout for the Project has been modeled along with the proposed collector substation to predict the worst-case sound levels due to the operation of the facility. The same software package (CadnaA) that was used for the previous analysis was used to predict these sound levels. Participation status for all modeling receptors has remained the same from the previous analysis within the February 12, 2024 §900-2.8 Exhibit 7 - Noise and Vibration.

Sound level modeling was performed at the same 520 receptors presented in the February 12, 2024 §900-2.8 Exhibit 7 - Noise and Vibration. Due to the lack of one-third octave band sound power level data for the Facility inverters, the inverters continue to be assumed tonal and prominent by default. Due to this prominent tone, a 5 dBA penalty is being applied on a short-term basis to non-participating residential receptors. With the observed prominent tone and subsequent broadband penalty, short term broadband sound pressure levels exceeded 40 dBA (45 dBA w/ 5 dBA penalty) at multiple non-participating residences. As a result, mitigation continues to be required for the Updated Project Layout for the Project. The mitigation for the collector substation is unchanged from the February 12, 2024 §900-2.8 Exhibit 7 - Noise and Vibration. For the central inverters across the Project, sound barrier walls are now needed at a total of 38 of the 60 inverters. This is one additional inverter (Inverter 25), in comparison to the 37 identified in the February 12, 2024 §900-2.8 Exhibit 7 - Noise and Vibration. A 13-foot sound barrier wall is needed at Inverter 25 for the Updated Project Layout. An updated Figure 7-4.1 (Short-Term (Mitigated) Sound Level Modeling Results) has been attached as well. All necessary sound barrier walls are shown on Figure 7-4.1, including the additional sound barrier wall that is needed for Inverter 25.

Appendix 7-4 Project Modeled Sound Levels – L_{eq} (8-hour) of the February 12, 2024 §900-2.8 Exhibit 7 - Noise and Vibration has been updated to reflect the relocation of the two photovoltaic central inverters with respect to the Updated Project Layout. The updated Appendix 7-4 is attached and shows the updated sound level modeling results at discrete points.

As shown in the tables, the highest modeled unmitigated L_{eq} sound level for the total Project across the Mill Point Solar I Project at a non-participating residential receptor is 47 dBA at Receptor #465. The highest modeled unmitigated L_{eq} sound level at a participating residential receptor is 47 dBA at Receptor #453. The highest modeled mitigated L_{eq} sound level for the total Project across the Mill Point Solar I Project at a non-participating residential receptor is 40 dBA at Receptor #436. The highest modeled mitigated L_{eq} sound level at a participating residential receptor is 45 dBA at Receptor #454. Therefore, the predicted worst-case mitigated 8-hour L_{eq} sound levels from the Mill Point Solar I Project using the Updated Project Layout are at or below the 8-hour L_{eq} design goals of 40 dBA (assumed prominent tone and subsequent 5 dBA penalty) for non-participating residential receptors and 55 dBA for participating residential receptors at all modeled locations.

If you have any questions on this report, please feel free to contact me by phone at (978) 461-6235 or by e-mail at choyt@epsilonassociates.com.

Sincerely,

EPSILON ASSOCIATES, INC.

Christopher D. Hoyt, INCE
Senior Scientist

Attachments: Appendix 7-1, Appendix 7-4, Figure 7-1 & Figure 7-4.1

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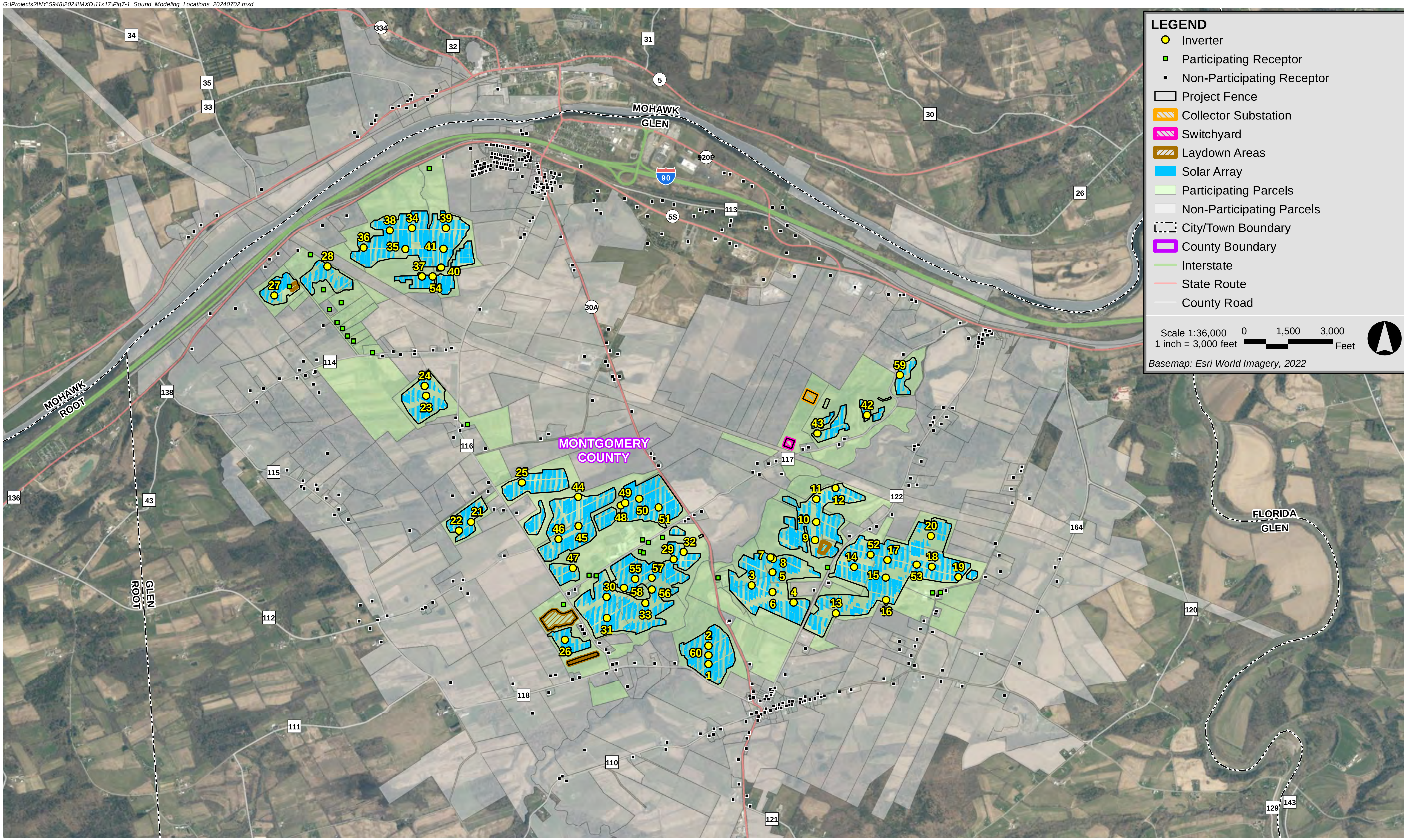

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Figure 7-1

Sound Level Modeling Locations

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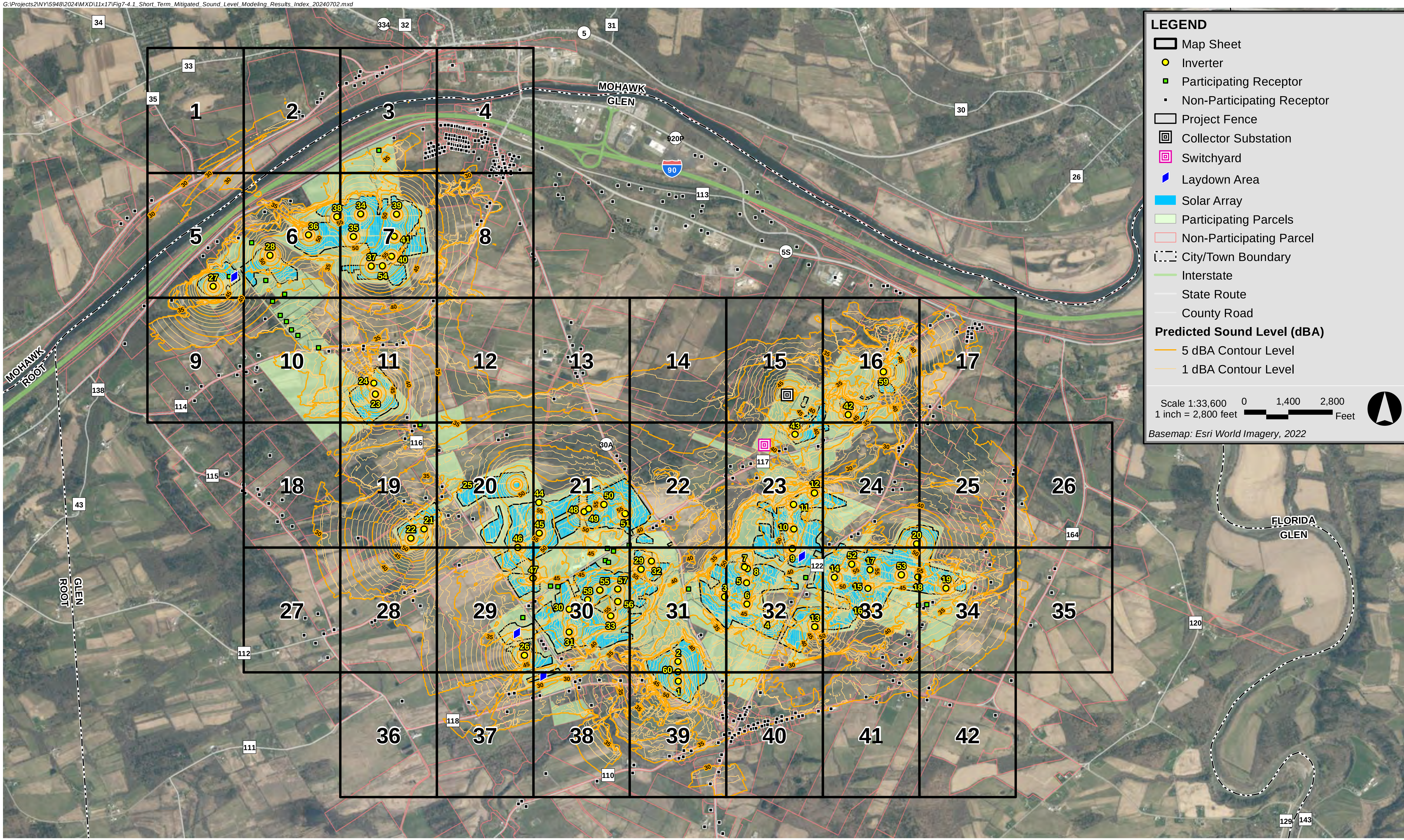

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Figure 7-4.1, Index

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
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- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet
0 150 300 Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

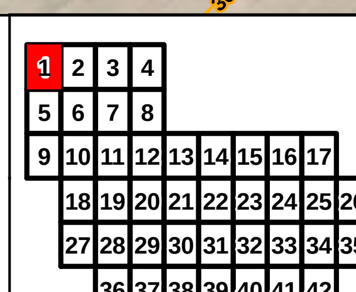

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Figure 7-4.1, Map 1 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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Figure 7-4.1, Map 2 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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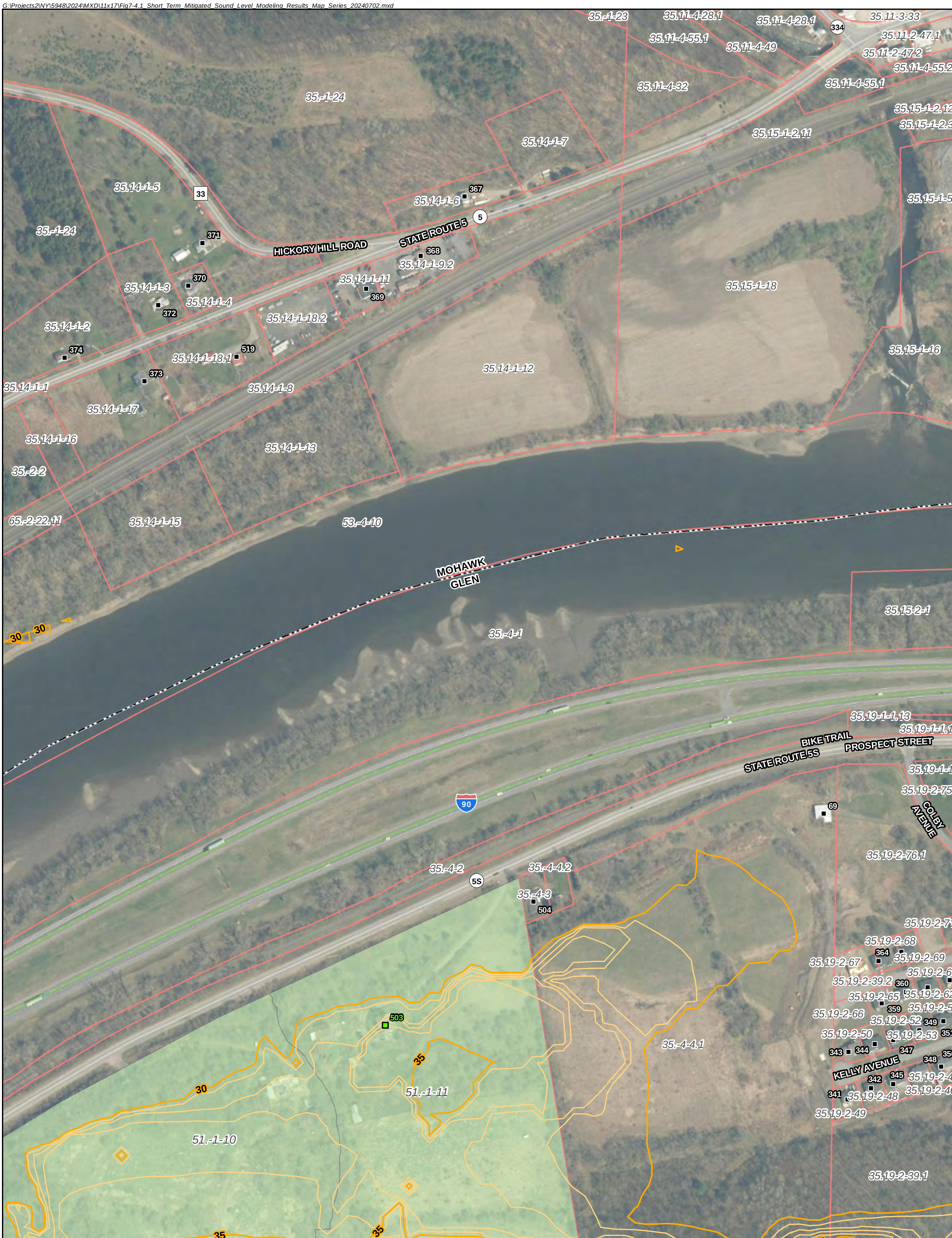

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Figure 7-4.1, Map 3 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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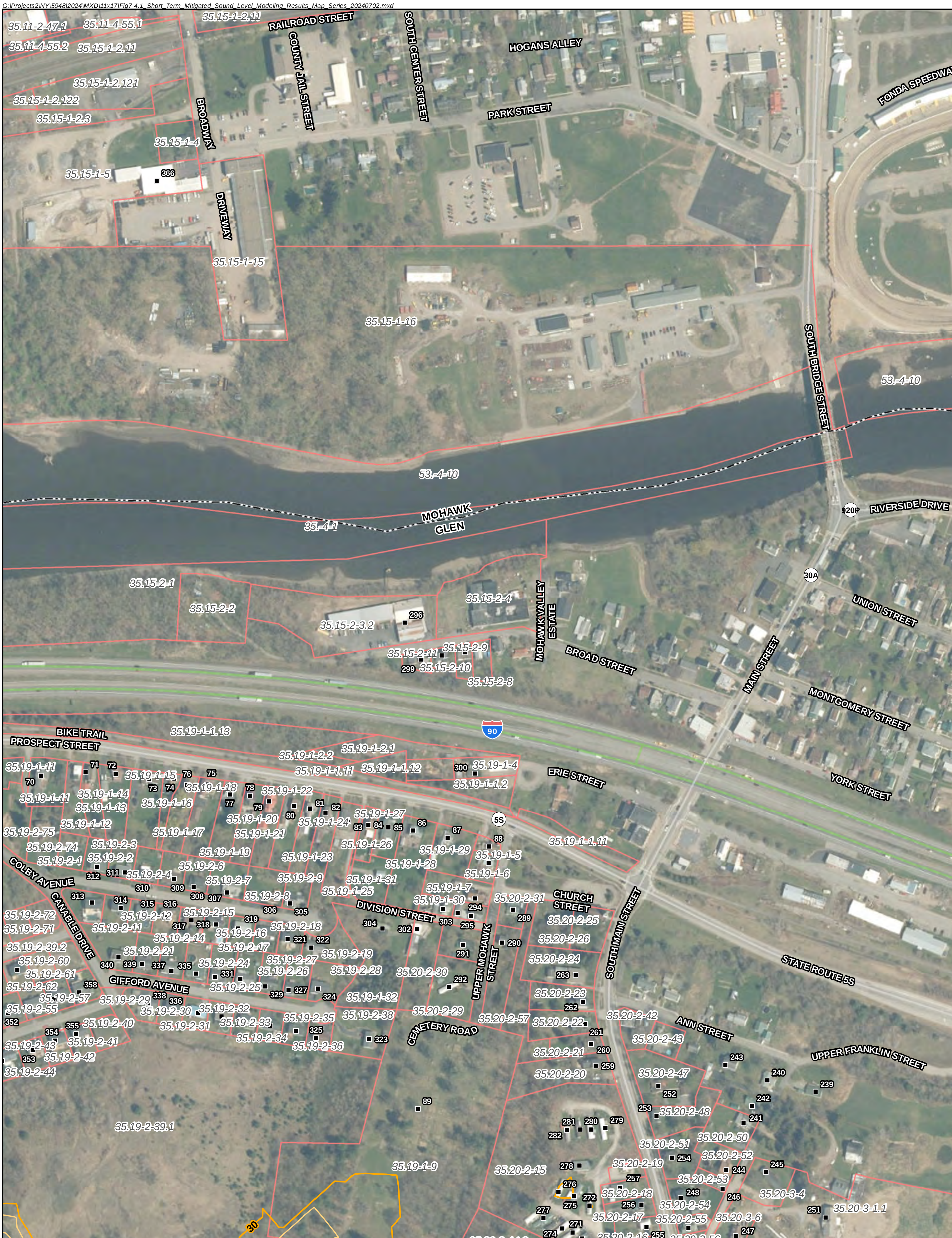

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Figure 7-4.1, Map 4 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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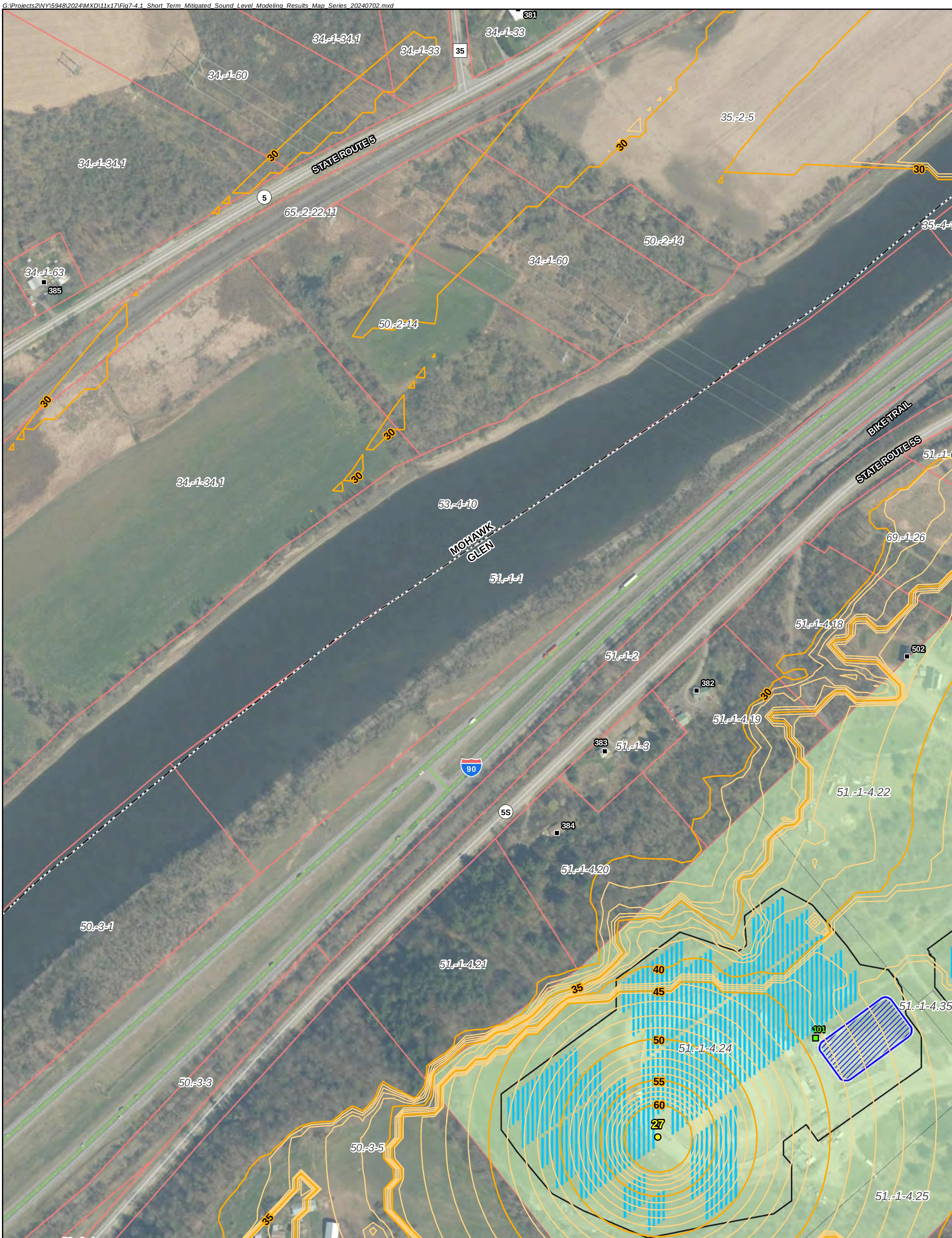

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Figure 7-4.1, Map 5 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

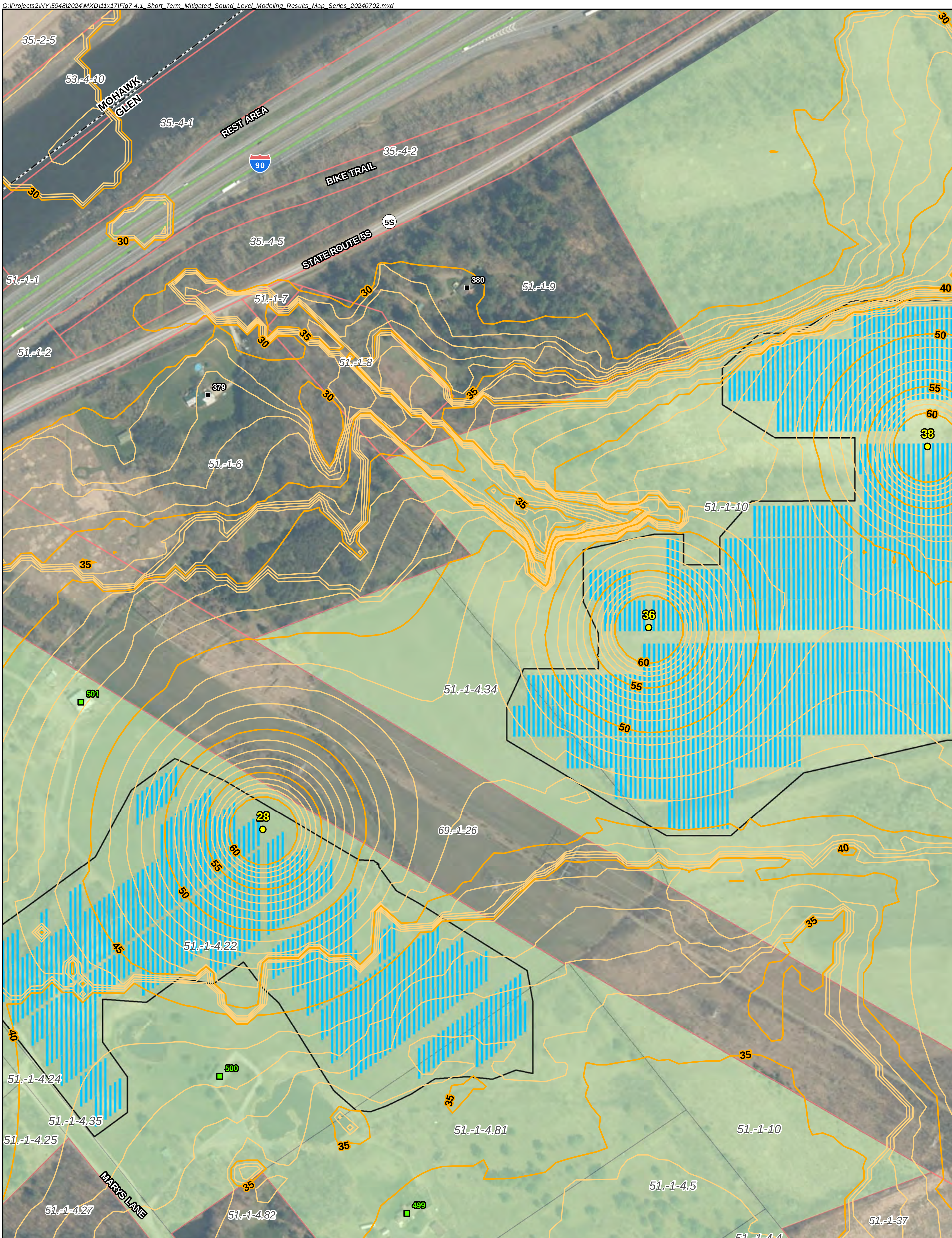

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Figure 7-4.1, Map 6 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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Figure 7-4.1, Map 7 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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Figure 7-4.1, Map 8 of 42

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Figure 7-4.1, Map 9 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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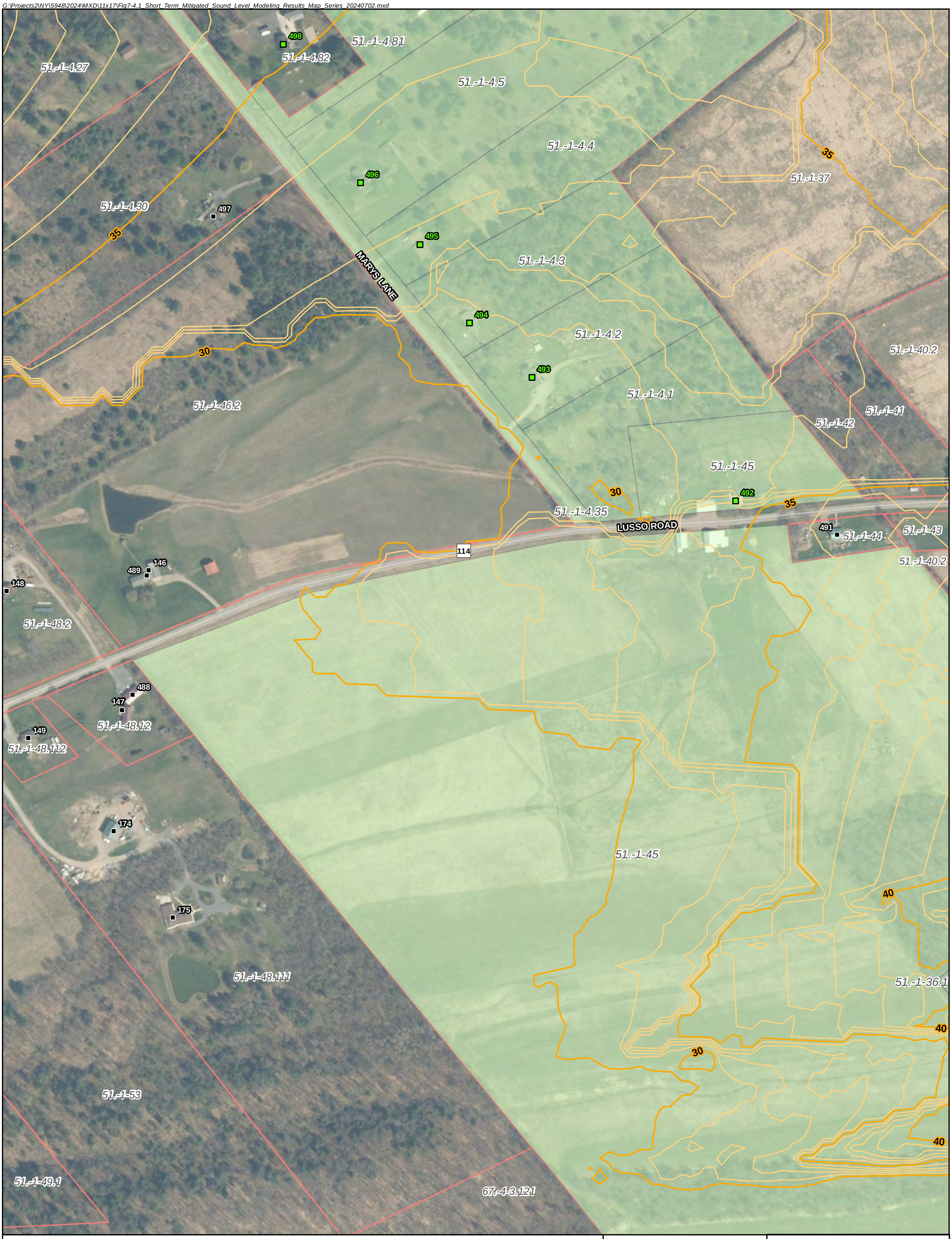

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Figure 7-4.1, Map 10 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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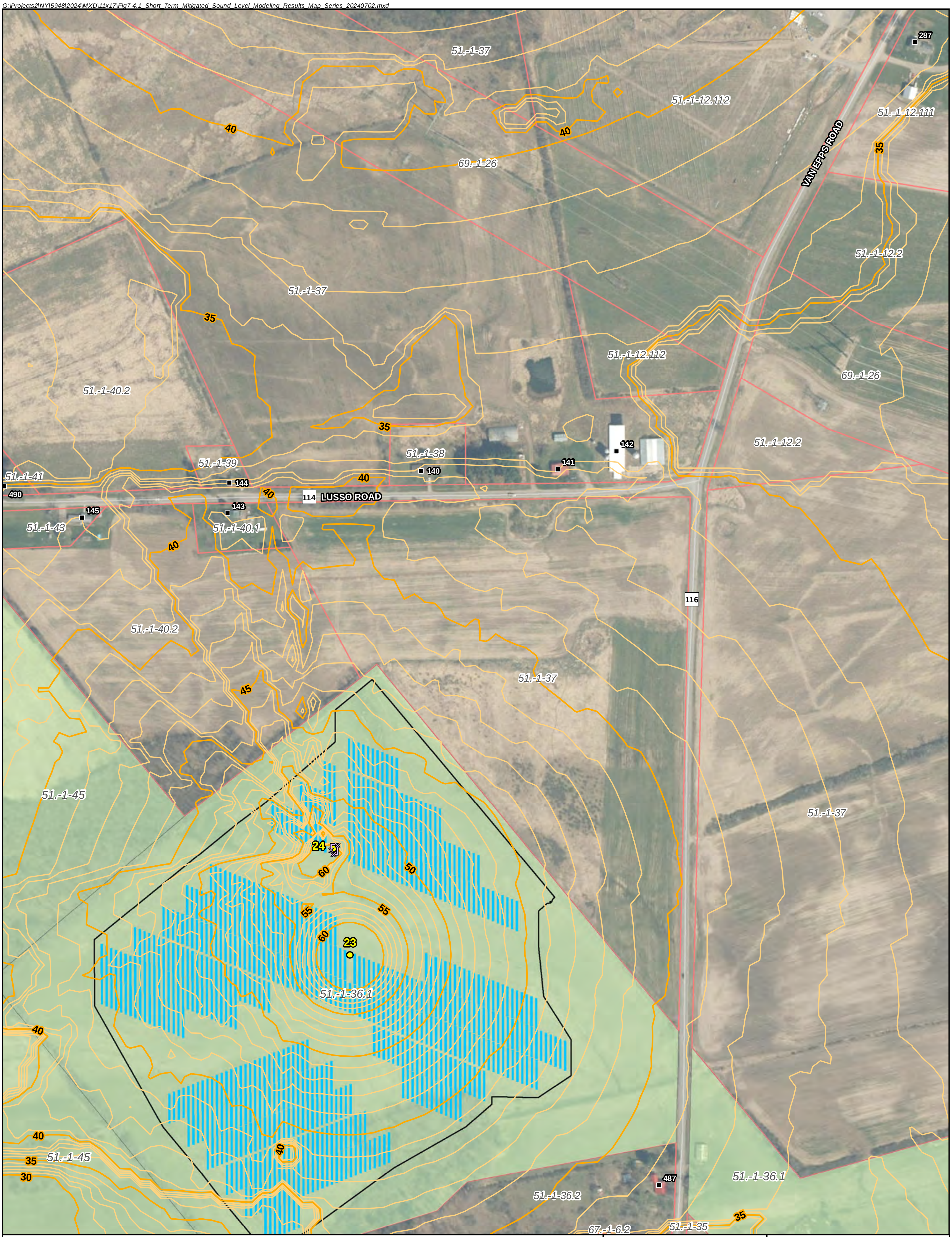

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Figure 7-4.1, Map 11 of 42

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Figure 7-4.1, Map 12 of 42

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Figure 7-4.1, Map 13 of 42

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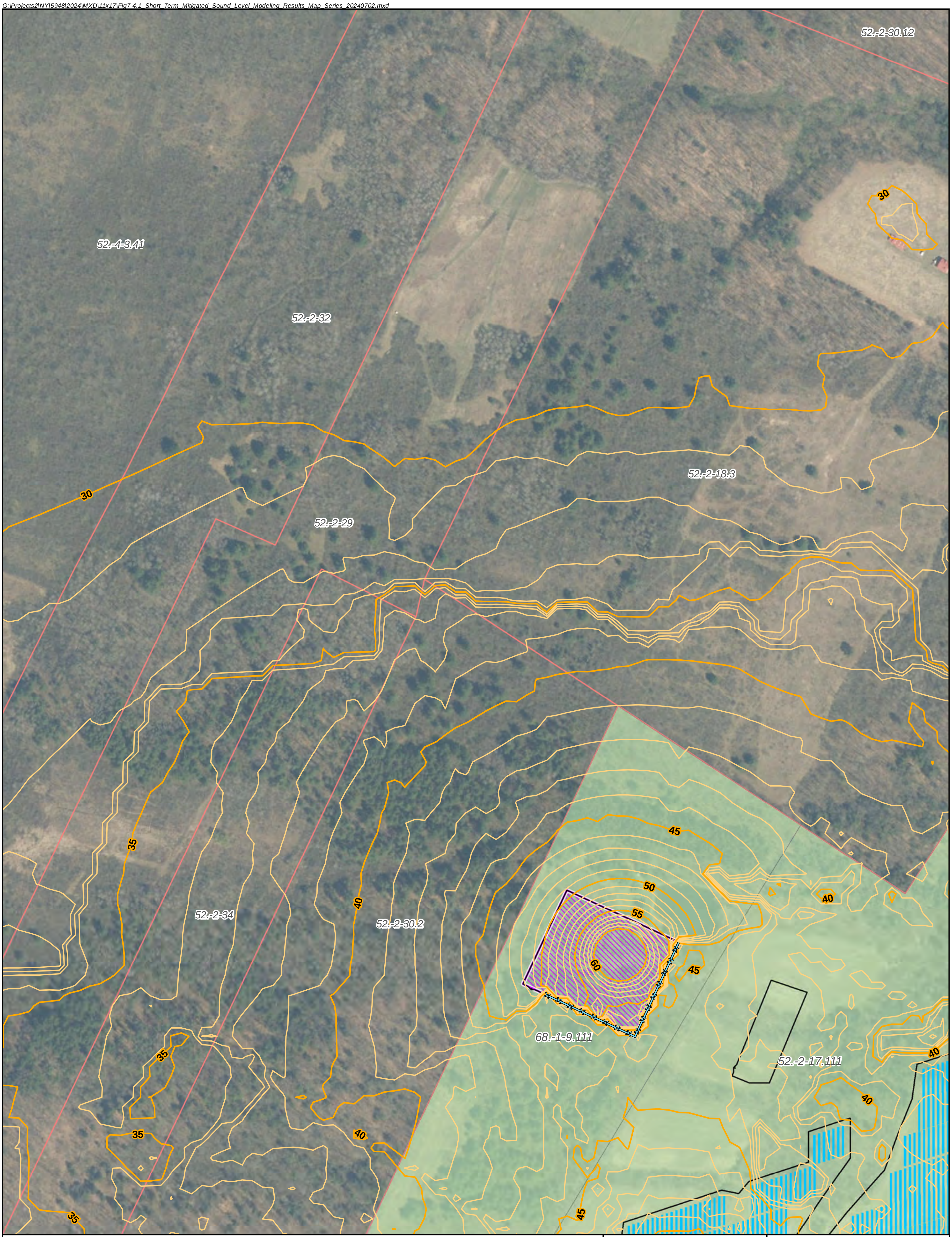
Figure 7-4.1, Map 14 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results



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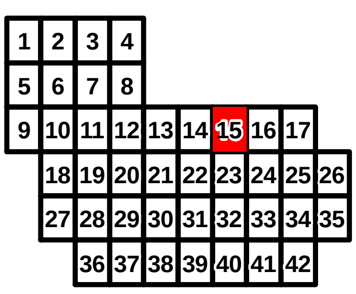
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)
- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet

0 150 300
Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Mill Point Solar I **Montgomery County, New York**

Figure 7-4.1, Map 15 of 42
Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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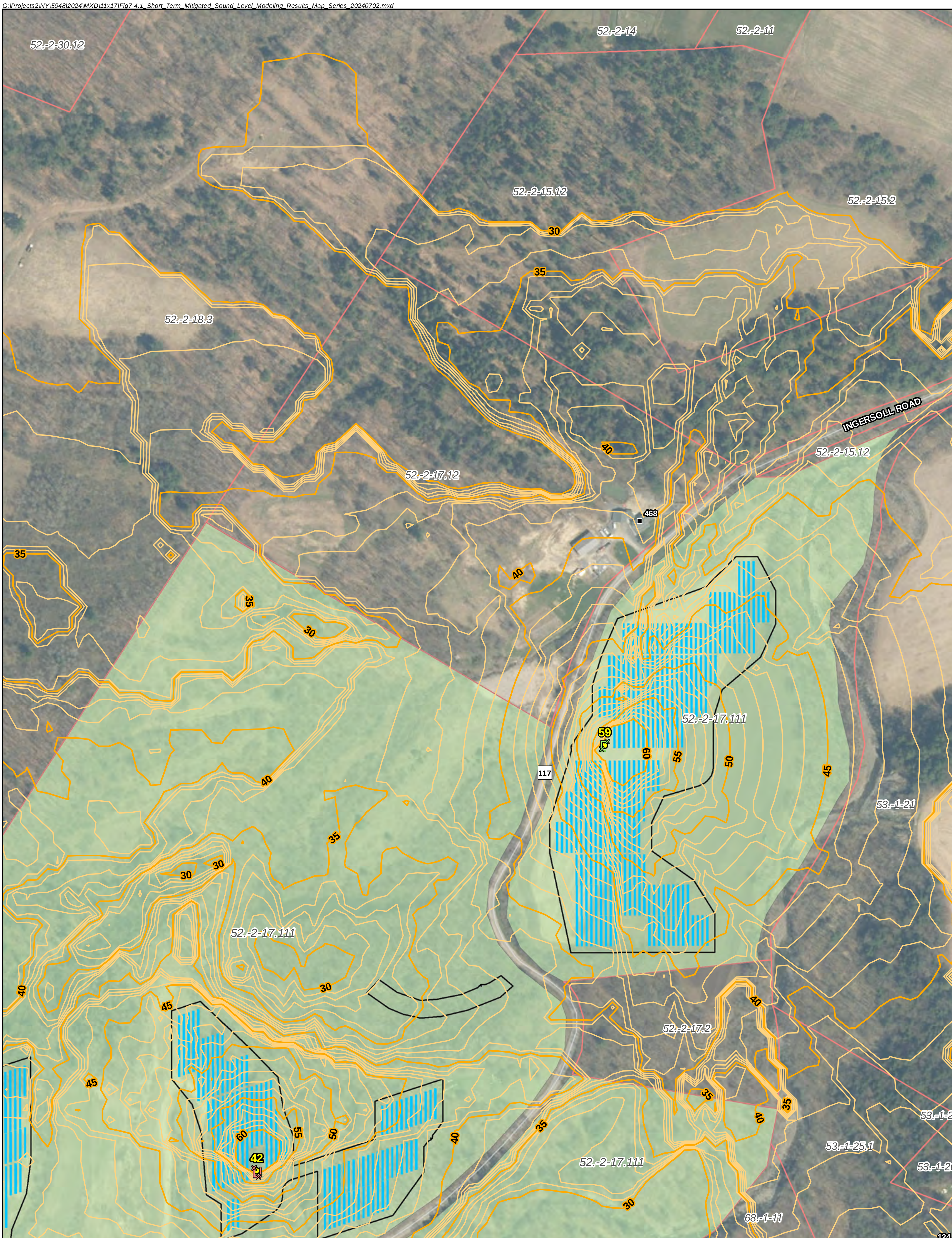

LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet

0 150 300
Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1	2	3	4					
5	6	7	8					
9	10	11	12	13	14	15	16	17
	18	19	20	21	22	23	24	25	26
	27	28	29	30	31	32	33	34	35
		36	37	38	39	40	41	42

Mill Point Solar I **Montgomery County, New York**

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Figure 7-4.1, Map 16 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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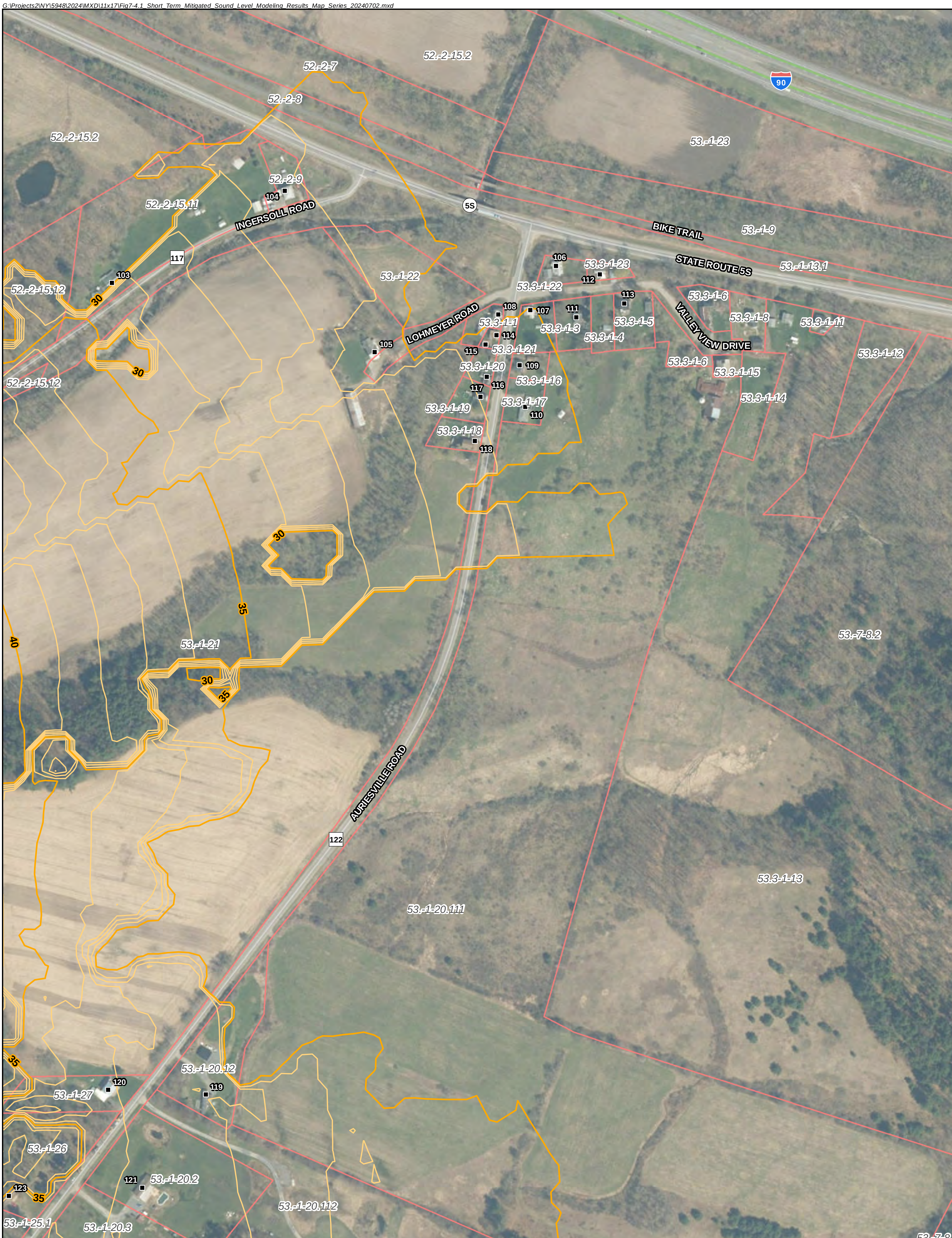

LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet
0 150 300
Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1	2	3	4						
5	6	7	8						
9	10	11	12	13	14	15	16	17	
	18	19	20	21	22	23	24	25	26
	27	28	29	30	31	32	33	34	35
		36	37	38	39	40	41	42	

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Figure 7-4.1, Map 17 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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Figure 7-4.1, Map 18 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet
0 150 300 Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1	2	3	4						
5	6	7	8						
9	10	11	12	13	14	15	16	17	
	18	19	20	21	22	23	24	25	26
	27	28	29	30	31	32	33	34	35
		36	37	38	39	40	41	42	

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Figure 7-4.1, Map 19 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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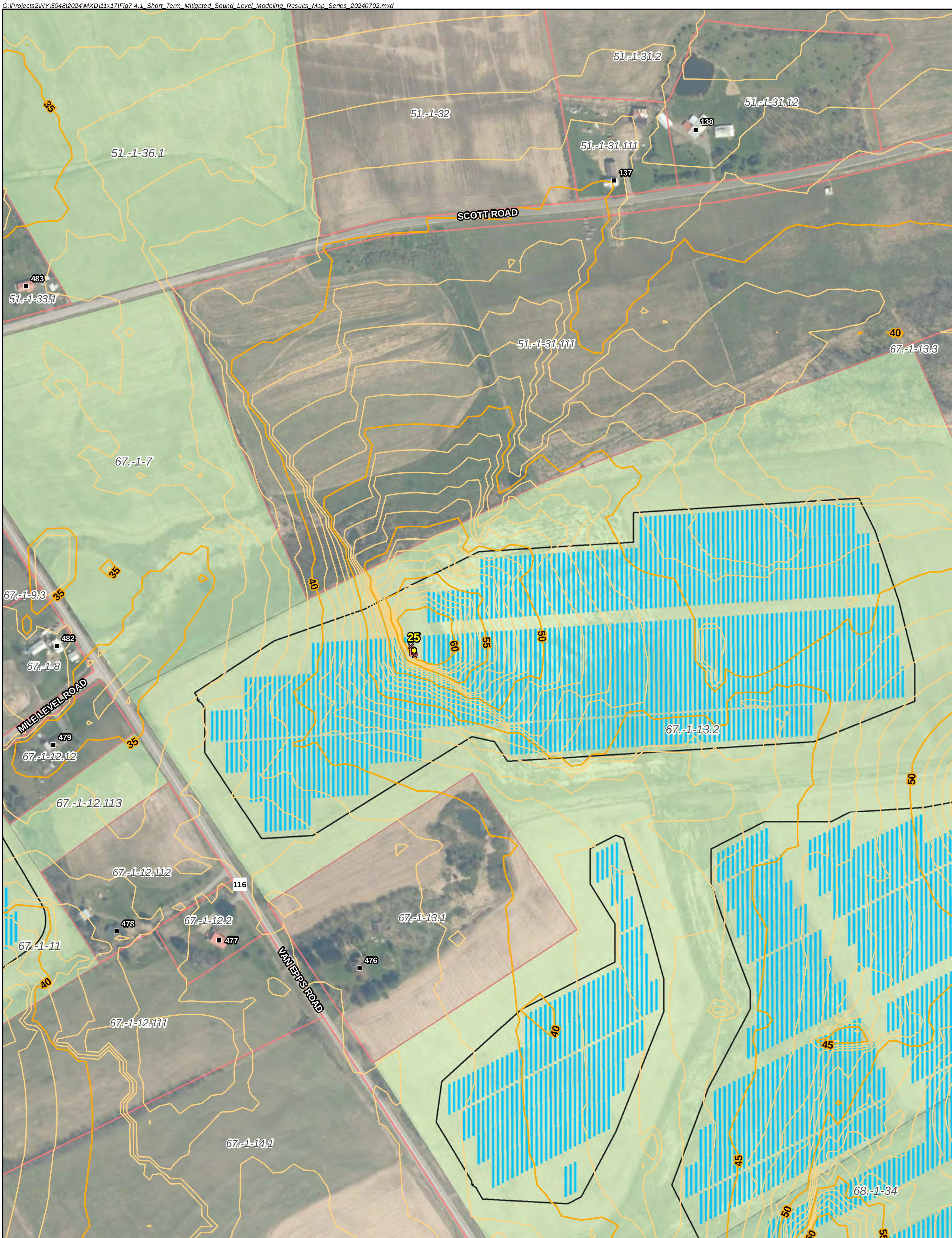

LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet
0 150 300 Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1	2	3	4					
5	6	7	8					
9	10	11	12	13	14	15	16	17
	18	19	20	21	22	23	24	25	26
	27	28	29	30	31	32	33	34	35
		36	37	38	39	40	41	42

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Figure 7-4.1, Map 20 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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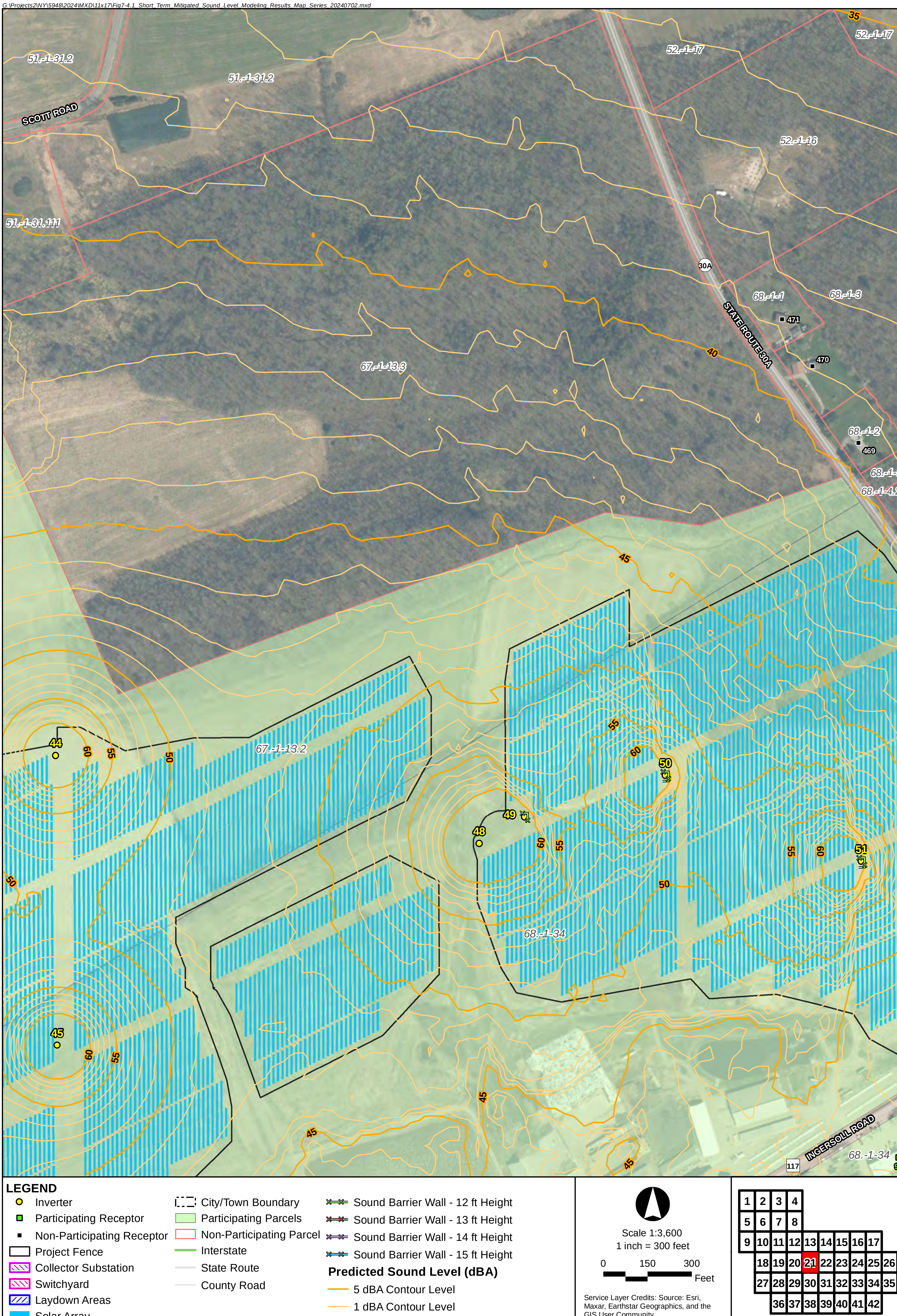

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Figure 7-4.1, Map 21 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet

0 150 300
Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1	2	3	4					
5	6	7	8					
9	10	11	12	13	14	15	16	17
18	19	20	21	22	23	24	25	26
27	28	29	30	31	32	33	34	35
36	37	38	39	40	41	42		

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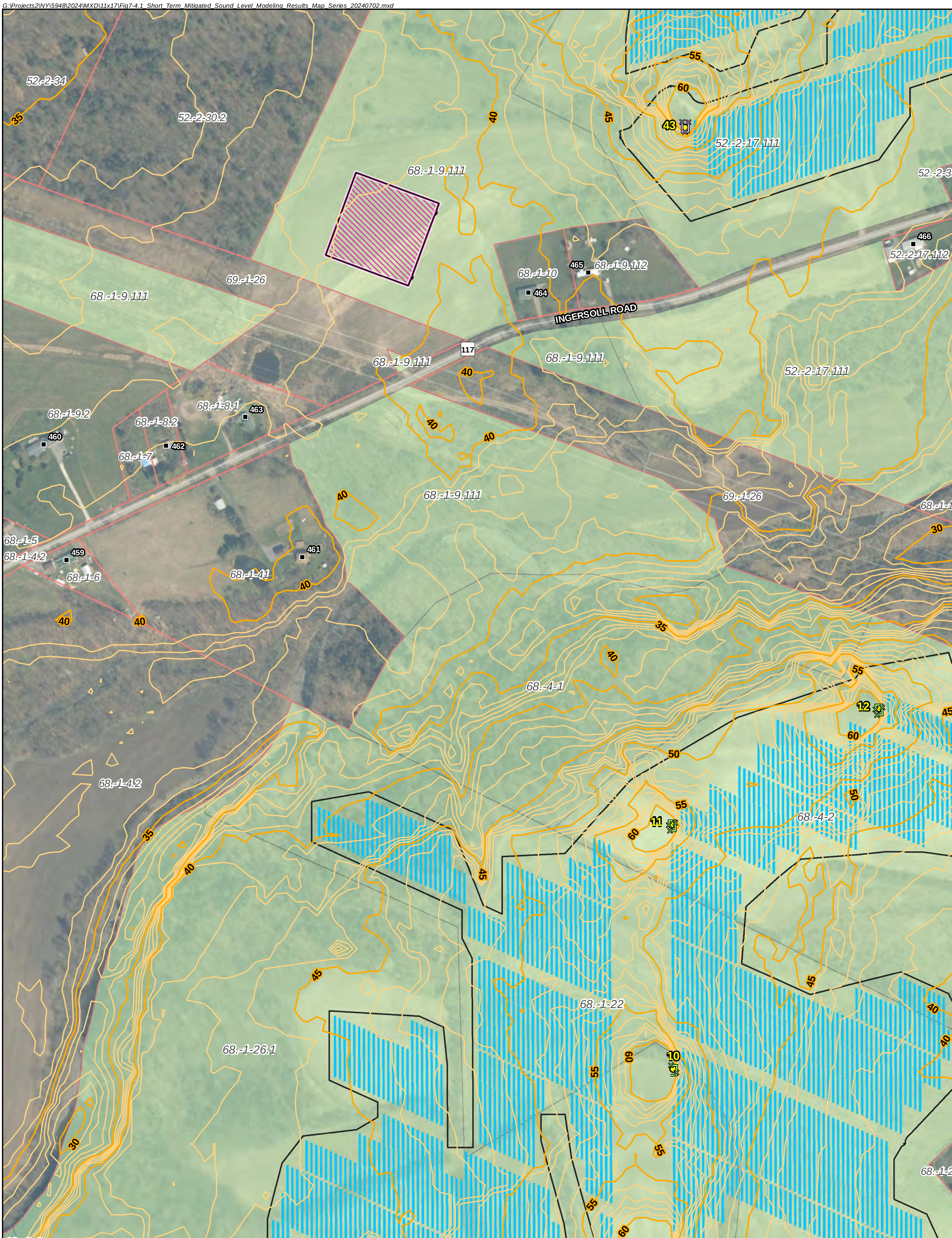
Figure 7-4.1, Map 22 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results



LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet

0 150 300 Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1	2	3	4						
5	6	7	8						
9	10	11	12	13	14	15	16	17	
	18	19	20	21	22	23	24	25	26
	27	28	29	30	31	32	33	34	35
		36	37	38	39	40	41	42	

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Figure 7-4.1, Map 23 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet
0 150 300 Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1	2	3	4						
5	6	7	8						
9	10	11	12	13	14	15	16	17	
	18	19	20	21	22	23	24	25	26
	27	28	29	30	31	32	33	34	35
		36	37	38	39	40	41	42	

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Figure 7-4.1, Map 24 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet

0 150 300
Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

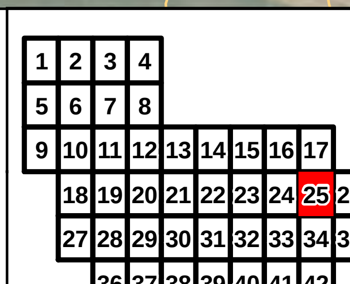

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Figure 7-4.1, Map 25 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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Figure 7-4.1, Map 26 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet

0 150 300
Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1	2	3	4						
5	6	7	8						
9	10	11	12	13	14	15	16	17	
	18	19	20	21	22	23	24	25	26
	27	28	29	30	31	32	33	34	35
		36	37	38	39	40	41	42	

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Figure 7-4.1, Map 27 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet
0 150 300 Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1	2	3	4						
5	6	7	8						
9	10	11	12	13	14	15	16	17	
	18	19	20	21	22	23	24	25	26
	27	28	29	30	31	32	33	34	35
		36	37	38	39	40	41	42	

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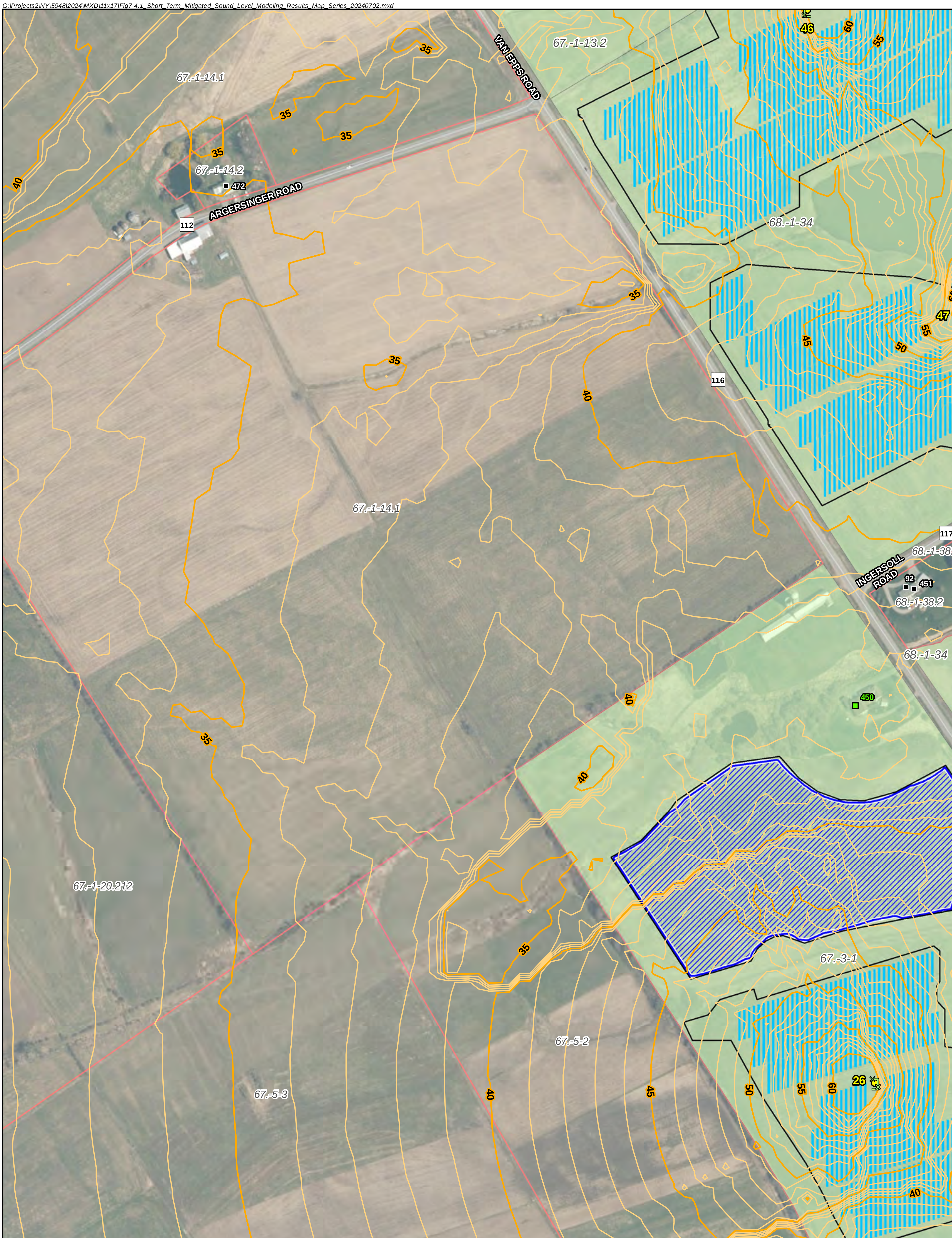
Figure 7-4.1, Map 28 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results



LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet
0 150 300 Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1	2	3	4					
5	6	7	8					
9	10	11	12	13	14	15	16	17
18	19	20	21	22	23	24	25	26
27	28	29	30	31	32	33	34	35
36	37	38	39	40	41	42		

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Figure 7-4.1, Map 29 of 42
Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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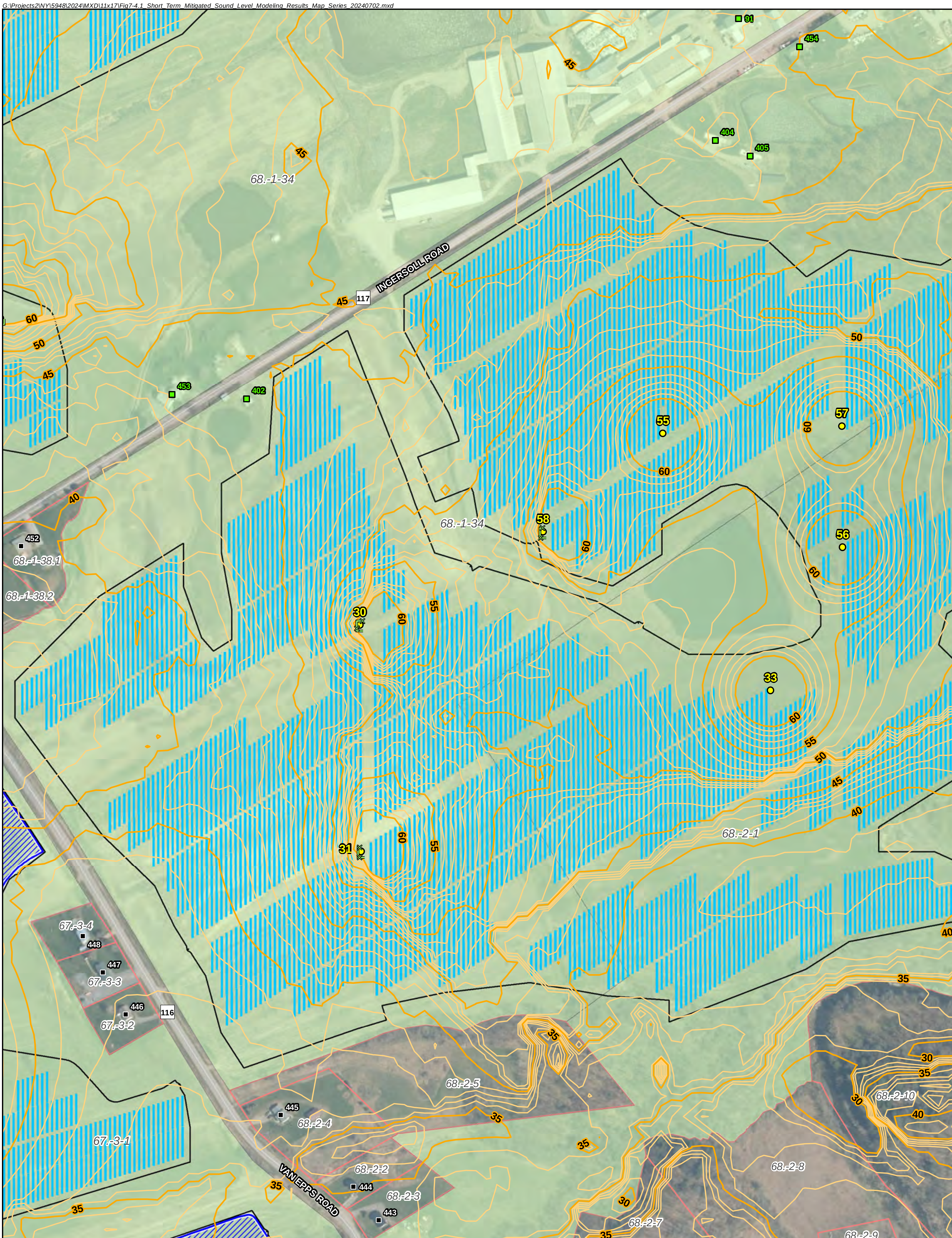

LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet
0 150 300 Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1	2	3	4						
5	6	7	8						
9	10	11	12	13	14	15	16	17	
	18	19	20	21	22	23	24	25	26
	27	28	29	30	31	32	33	34	35
		36	37	38	39	40	41	42	

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Figure 7-4.1, Map 30 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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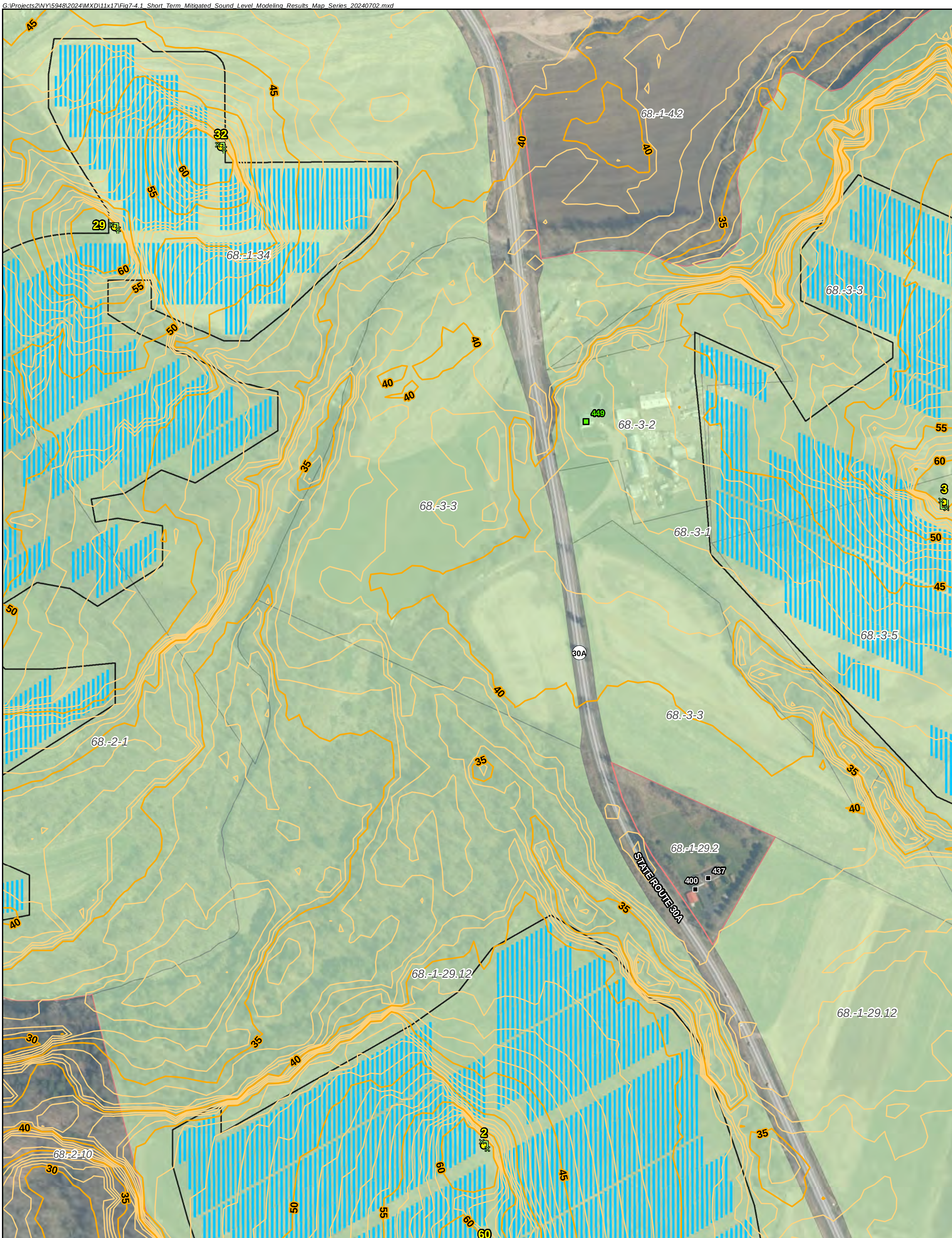

LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet

0 150 300 Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1	2	3	4						
5	6	7	8						
9	10	11	12	13	14	15	16	17	
	18	19	20	21	22	23	24	25	26
	27	28	29	30	31	32	33	34	35
		36	37	38	39	40	41	42	

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Figure 7-4.1, Map 31 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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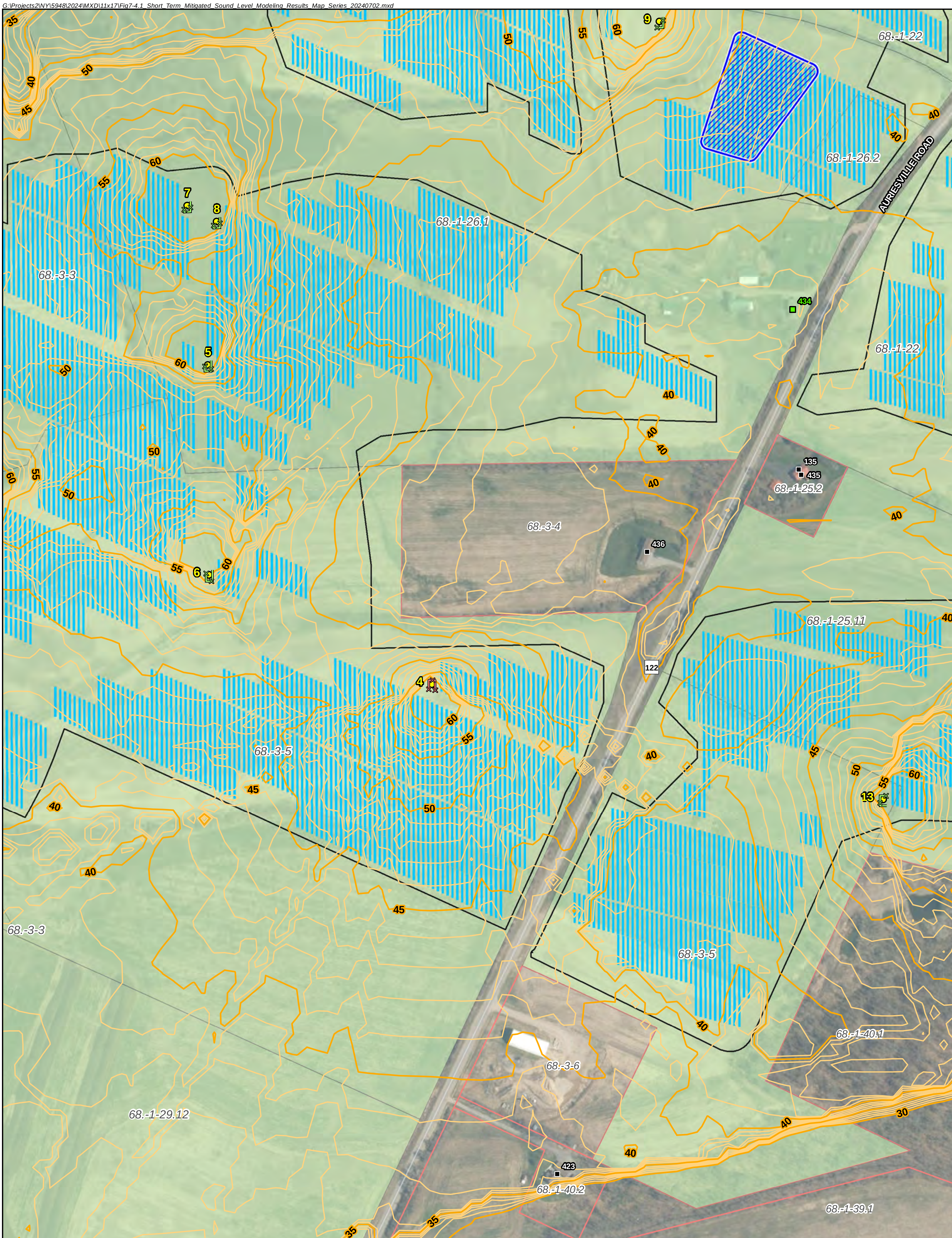

LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet
0 150 300 Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1	2	3	4						
5	6	7	8						
9	10	11	12	13	14	15	16	17	
	18	19	20	21	22	23	24	25	26
	27	28	29	30	31	32	33	34	35
		36	37	38	39	40	41	42	

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Figure 7-4.1, Map 32 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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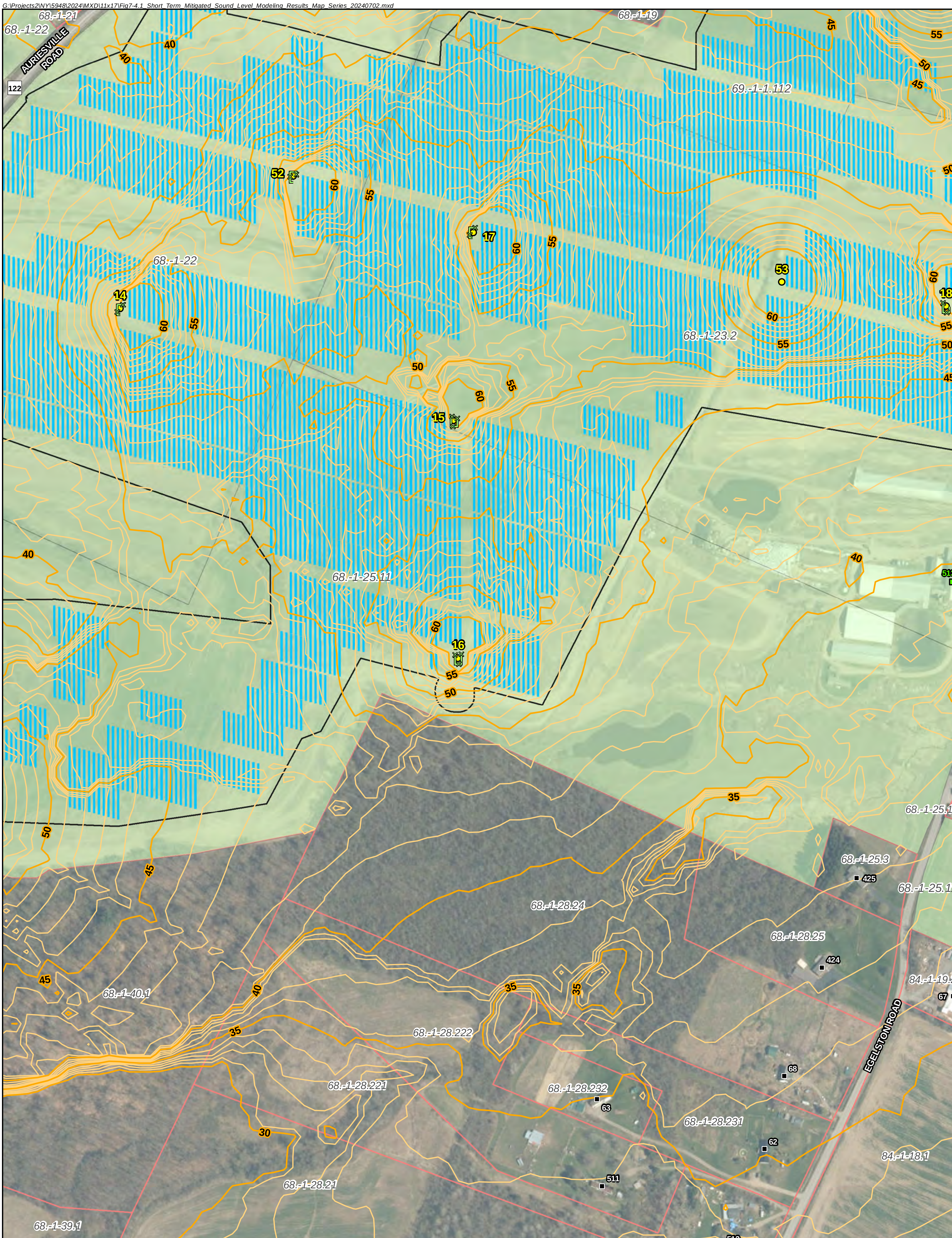

LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet
0 150 300 Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1 2 3 4
5 6 7 8
9 10 11 12 13 14 15 16 17
18 19 20 21 22 23 24 25 26
27 28 29 30 31 32 33 34 35
36 37 38 39 40 41 42

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Figure 7-4.1, Map 33 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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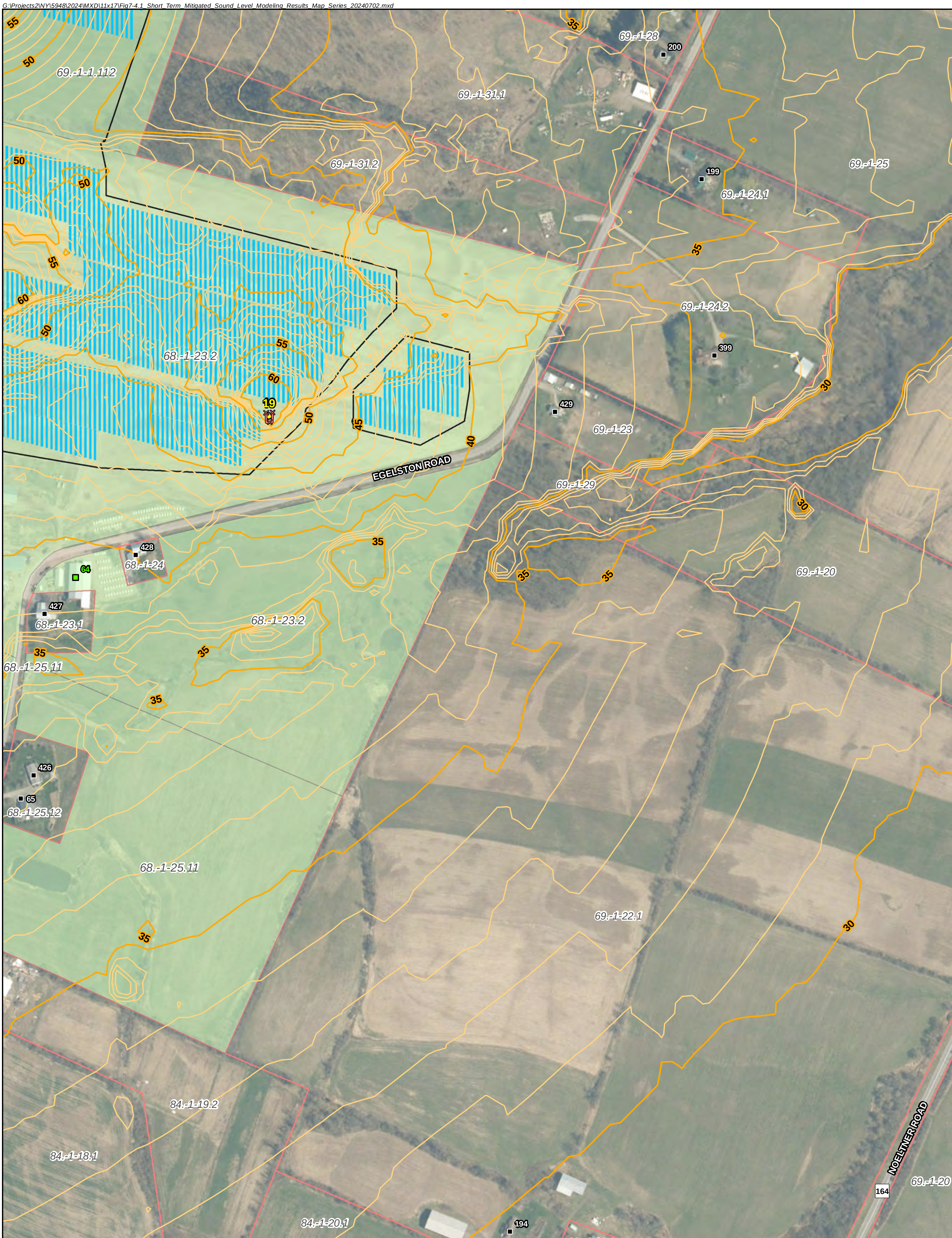

LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
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- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet
0 150 300 Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42

Mill Point Solar I **Montgomery County, New York**

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Figure 7-4.1, Map 34 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

LEGEND

- Inverter
- Participating Receptor
- Non-Participating Receptor
- Project Fence
- Collector Substation
- Switchyard
- Laydown Areas
- Solar Array
- City/Town Boundary
- Participating Parcels
- Non-Participating Parcel
- Interstate
- State Route
- County Road
- Sound Barrier Wall - 12 ft Height
- Sound Barrier Wall - 13 ft Height
- Sound Barrier Wall - 14 ft Height
- Sound Barrier Wall - 15 ft Height

Predicted Sound Level (dBA)

- 5 dBA Contour Level
- 1 dBA Contour Level

Scale 1:3,600
1 inch = 300 feet

0 150 300 Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1	2	3	4						
5	6	7	8						
9	10	11	12	13	14	15	16	17	
	18	19	20	21	22	23	24	25	26
	27	28	29	30	31	32	33	34	35
		36	37	38	39	40	41	42	

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Figure 7-4.1, Map 35 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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Mill Point Solar I **Montgomery County, New York**

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Figure 7-4.1, Map 36 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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Figure 7-4.1, Map 37 of 42
Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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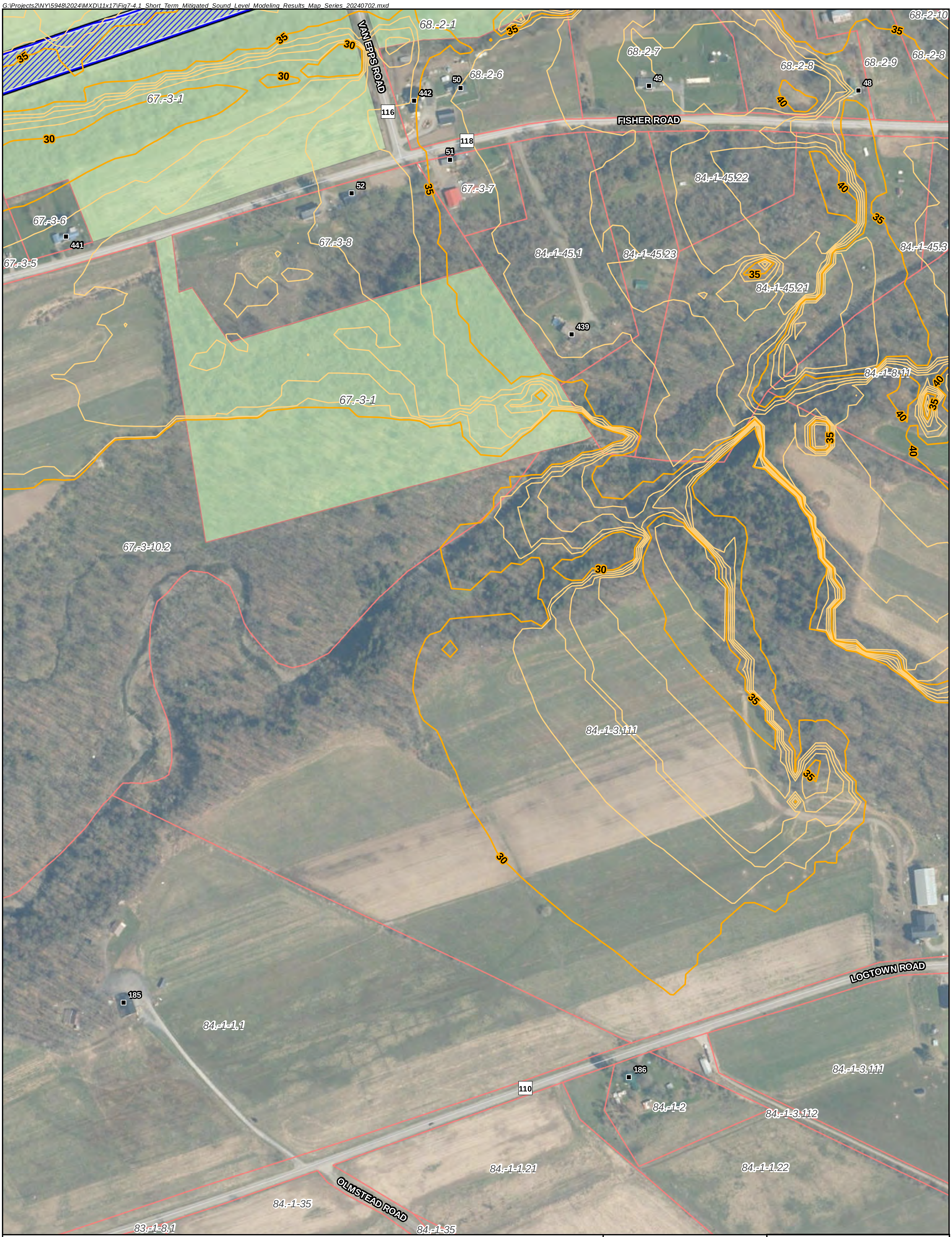

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Figure 7-4.1, Map 38 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results

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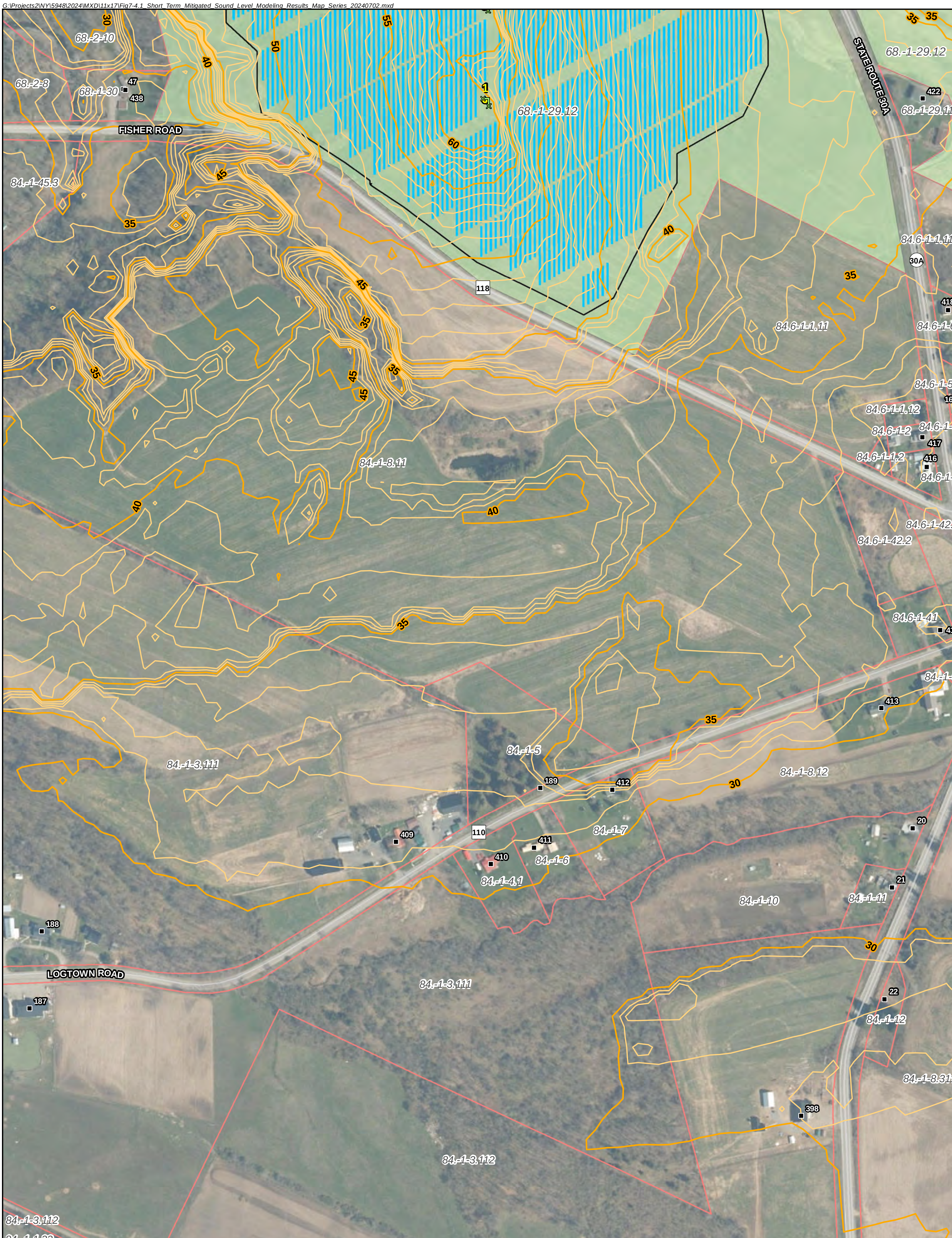

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Figure 7-4.1, Map 39 of 42

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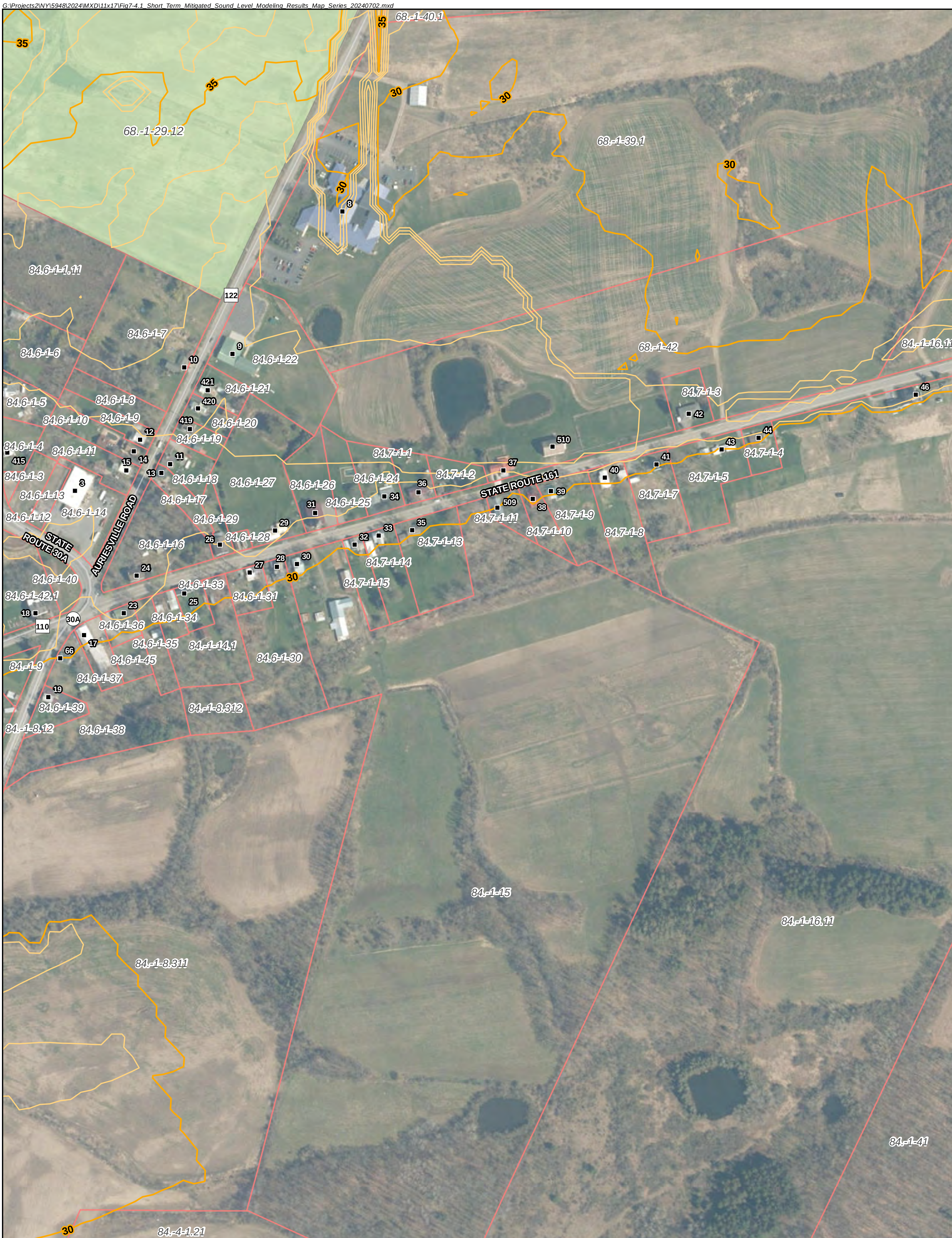

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	27	28	29	30	31	32	33	34	35
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Figure 7-4.1, Map 40 of 42

Short-Term (Mitigated) L_{eq} (8-Hr) Sound Level Modeling Results