



★ Site Location

- Approximate Project Boundary
- Area of Proposed Solar Panels
- 50 dBA Sound Level
- Transformer Location
- Inverter Location

Inverter and Transformer Sound (dBA)

- 0 - 40
- 40 - 50
- 50 - 60
- >60

Sound modeling performed by David Coate Consulting using CADNA.



Data Provided by RIGIS
 Orthoimagery provided by nearmap.com

Total Sound Emitted from Inverters and Transformers

South Road Solar
 AP 18 Lot 20
 East Greenwich, Rhode Island

Date: 08/16/2021

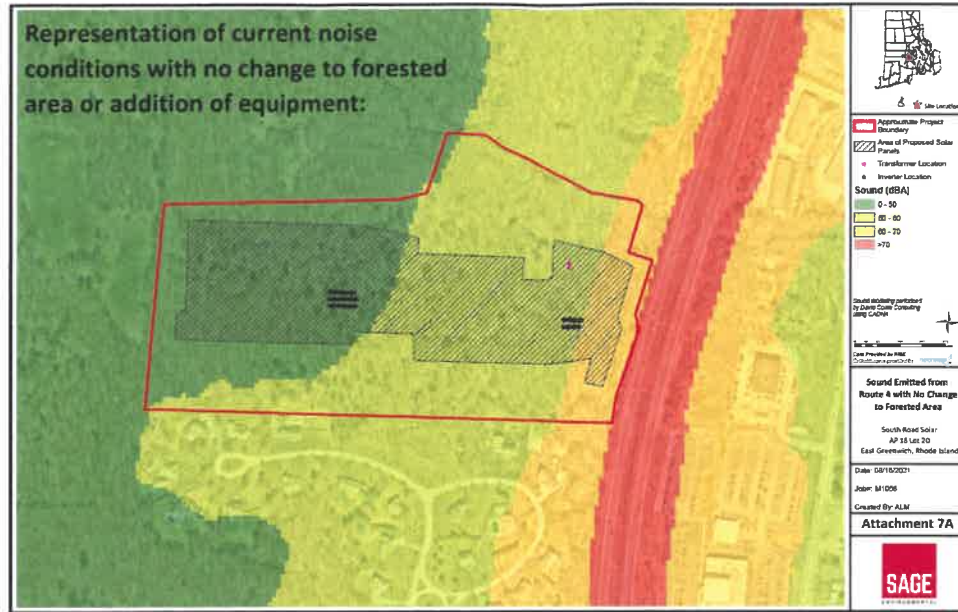
Job#: M1058

Created By: ALM

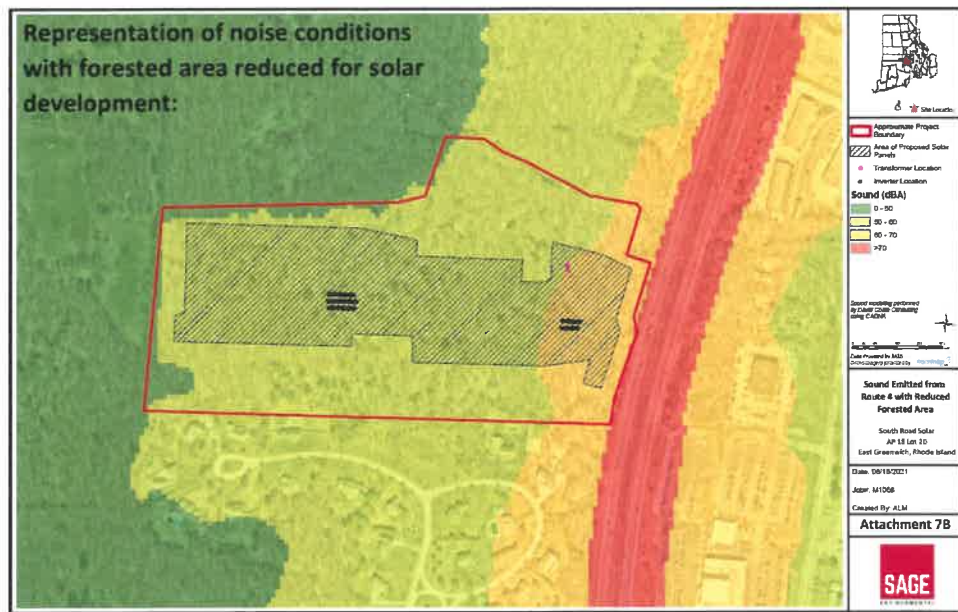
Attachment 6



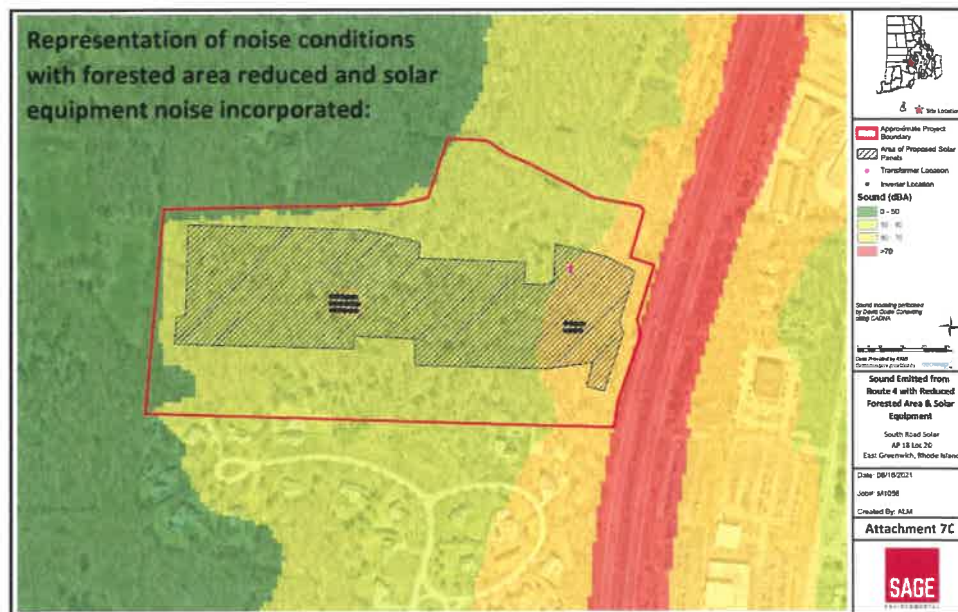
Attachment 7: Potential Sound at Site with Representative Route 4 Highway Noise



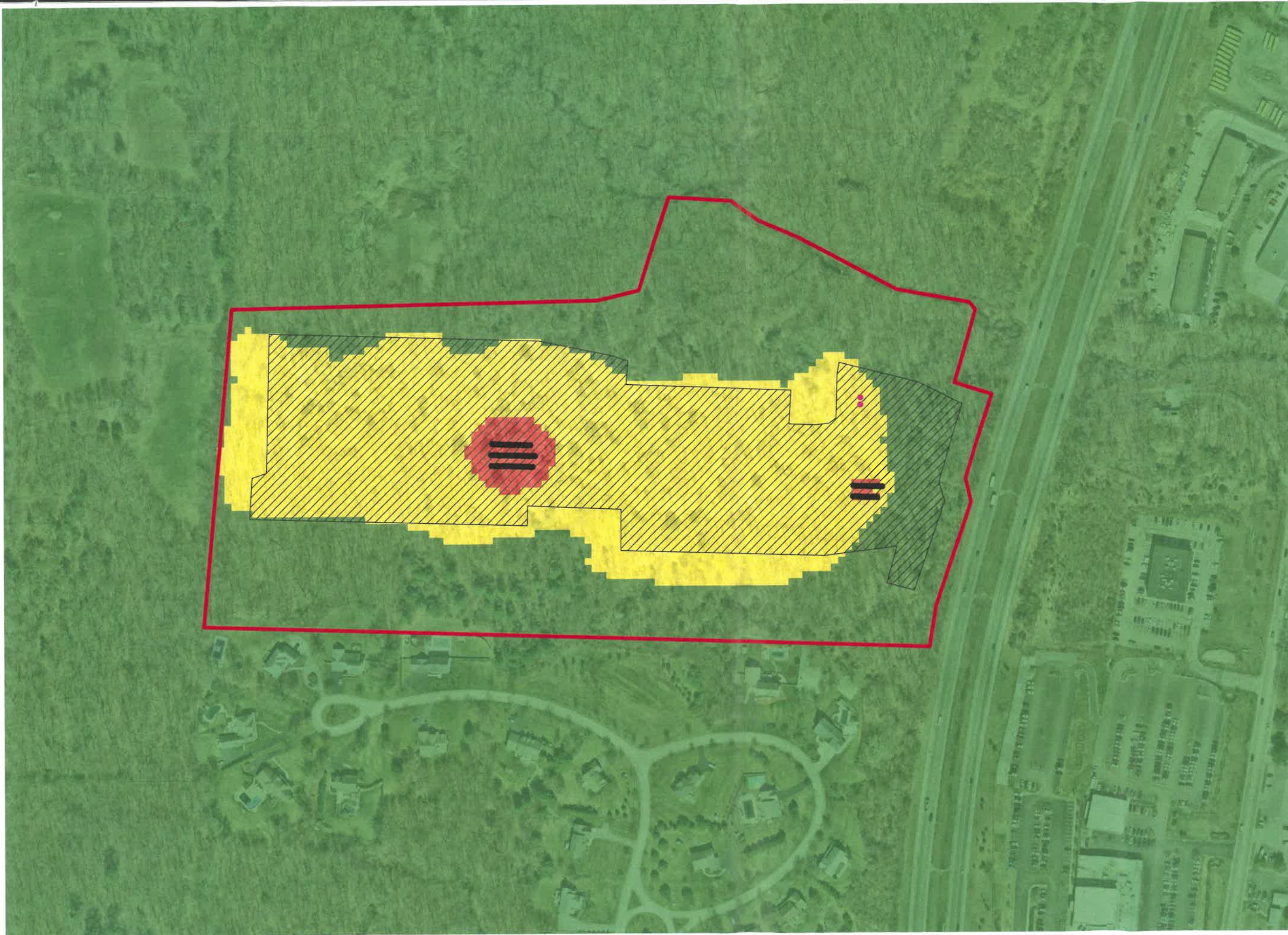
NOTE: Representative Route 4 (Rt-4) highway noise is hourly vehicular noise measured 40 feet from the edge of the highway pavement. Highway noise levels can vary over time depending on traffic volumes, and therefore these noise contours should not necessarily be viewed in terms of absolute noise level but as potential noise levels when background highway noise is incorporated.



** Vehicular noise from Rt-4 would be imperceptible or barely perceptible when the forested area is removed (i.e. difference in sound is less than 3dB). See Attachment 4.*



** Noise generated from solar equipment is less than 50 dBA along the property line for solar development. See Attachment 6.*



★ Site Location

- Approximate Project Boundary
- Area of Proposed Solar Panels
- Transformer Location
- Inverter Location

Expected Difference in Sound (dBA)

- 0 - 3
- 3 - 7
- >7

Sound modeling performed by David Coate Consulting using CADNA.



Data Provided by RIGIS
Orthoimagery provided by nearmap.com

Potential Sound Difference at Site with Representative Route 4 Highway Noise & Solar Equipment

South Road Solar
AP 18 Lot 20
East Greenwich, Rhode Island

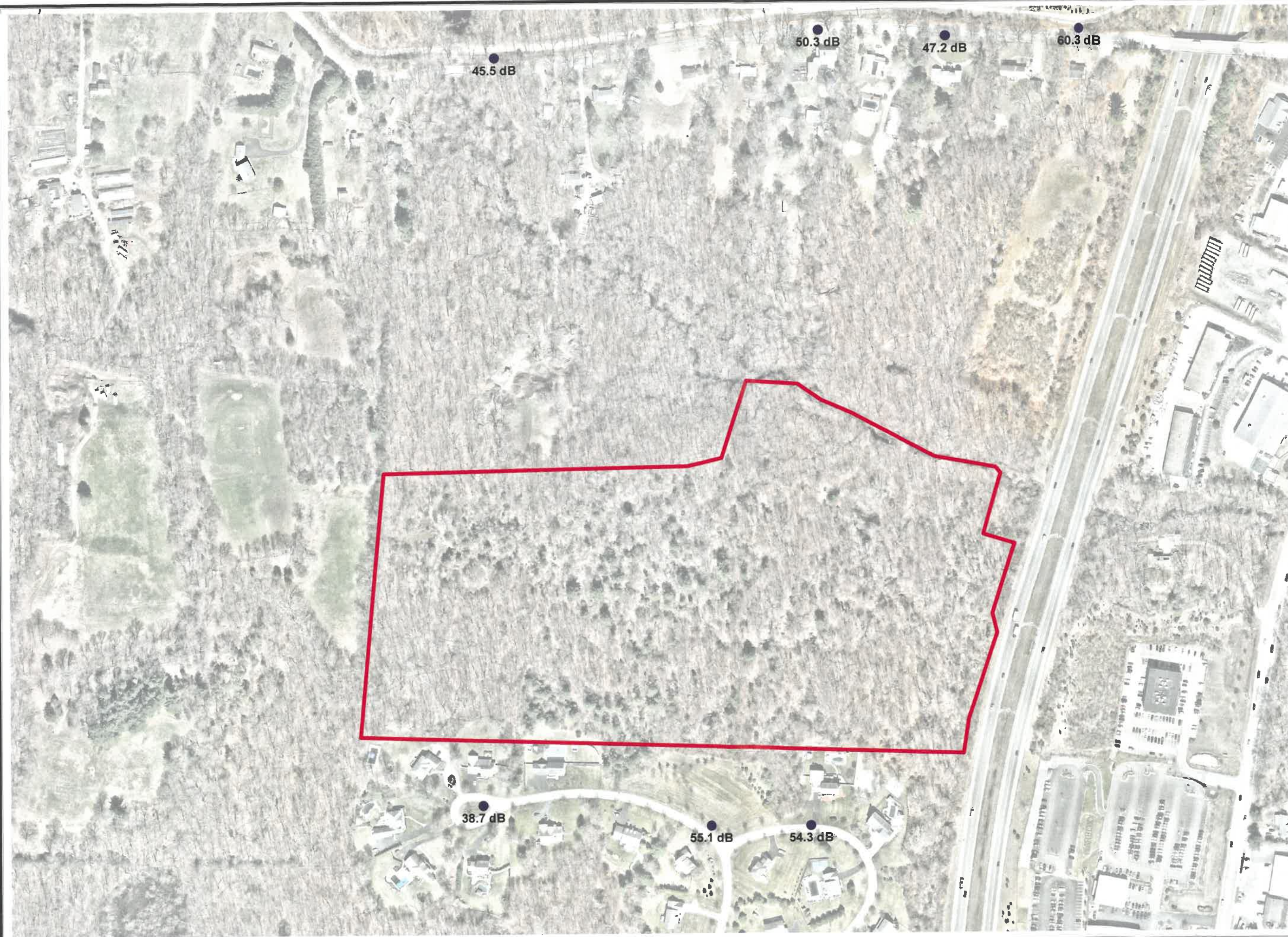
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Attachment 8





★ Site Location

- Approximate Project Boundary
- Observed Instantaneous Sound Locations

Note: Observations made on 6/29/2021 at approximately 1 pm.



0 50 100 200 300 400 Feet

Data Provided by RIGIS
Orthoimagery provided by nearmap.com

Observed Instantaneous Sound Locations

South Road Solar
AP 18 Lot 20
East Greenwich, Rhode Island

Date: 08/16/2021

Job#: M1058

Created By: ALM

Attachment 9

