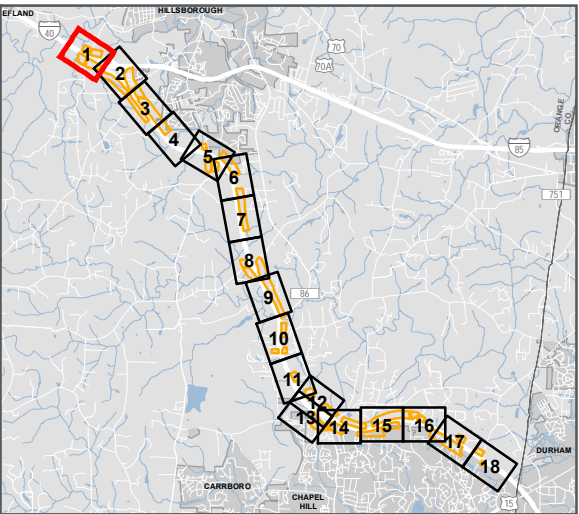


## 16 Detailed Study Area Maps





- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Barrier
- Noise Barrier Not Recommended

I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501

DETAILED STUDY AREA  
MAP

JUNE 2023

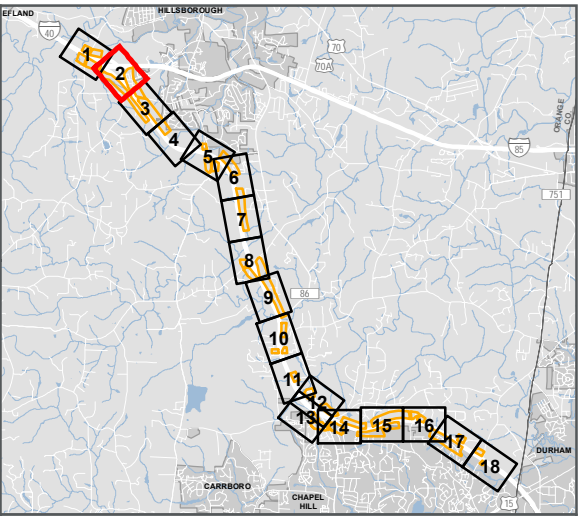


North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-1





- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Barrier
- Noise Barrier Not Recommended

**I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501**

**DETAILED STUDY AREA  
MAP**

JUNE 2023

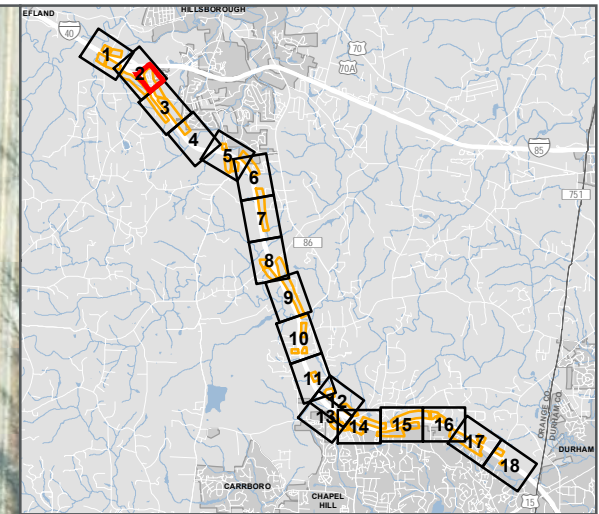


North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-2





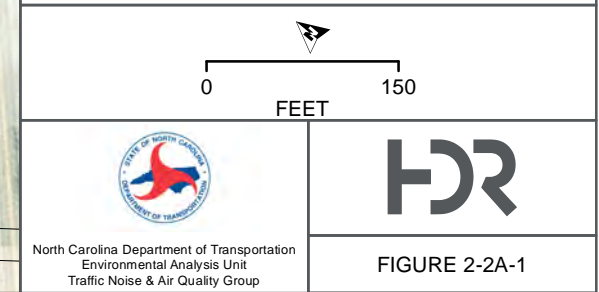
- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Barrier
- Noise Barrier Not Recommended

**I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501**

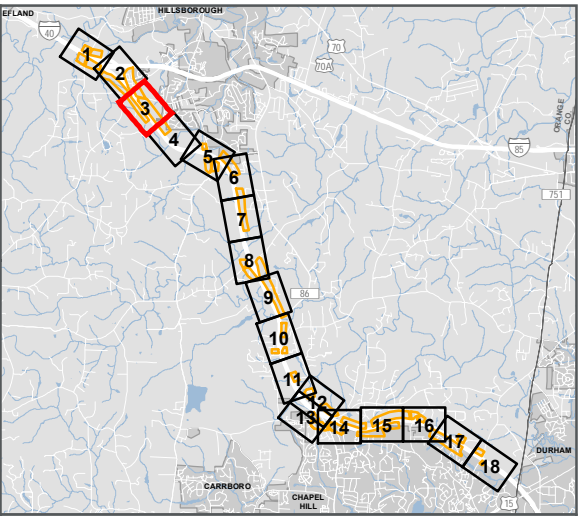
**DETAILED STUDY AREA  
MAP**

**(The Timbers Manufactured Homes)**

JUNE 2023







- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Barrier
- Noise Barrier Not Recommended

I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501

DETAILED STUDY AREA  
MAP

JUNE 2023

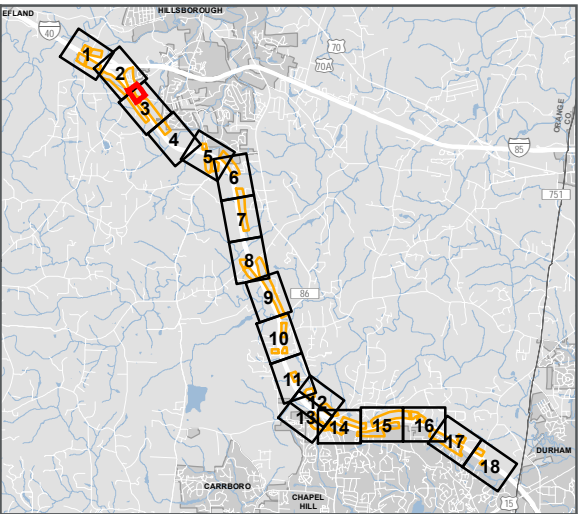
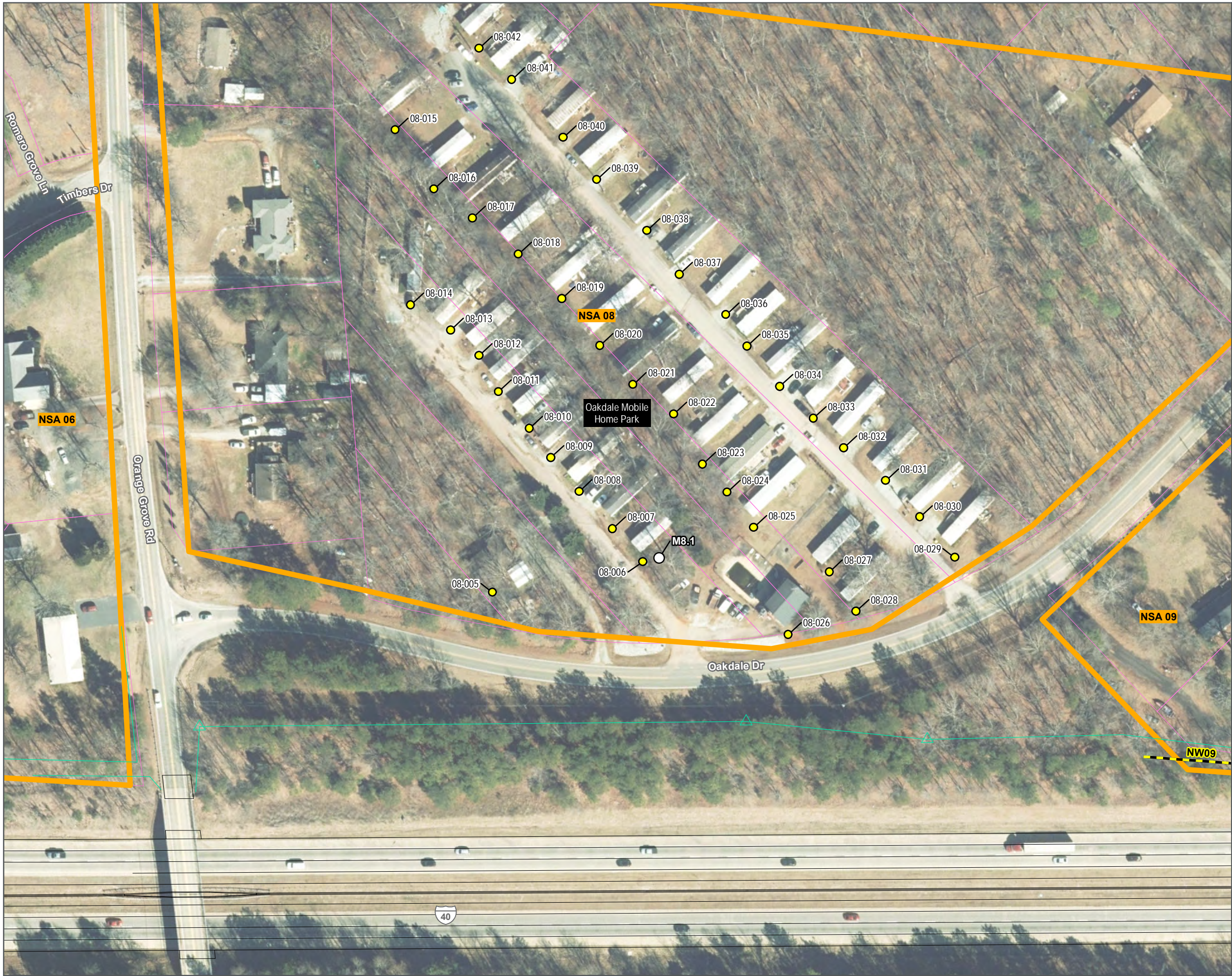


North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-3





- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Wall
- Noise Wall Not Recommended

**I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501  
DETAILED STUDY AREA  
MAP  
(Oakdale Mobile Home Park)**

JUNE 2023

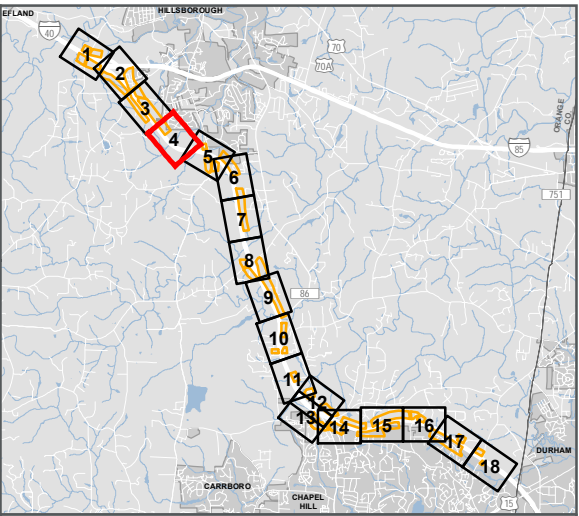


North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-3A-1





- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Barrier
- Noise Barrier Not Recommended

**I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501**

**DETAILED STUDY AREA  
MAP**

JUNE 2023

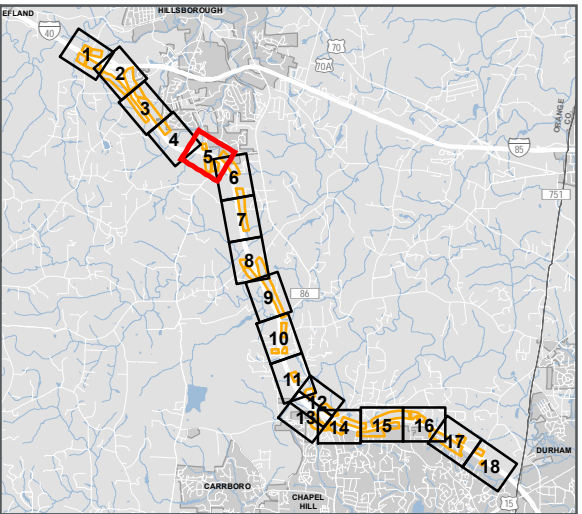
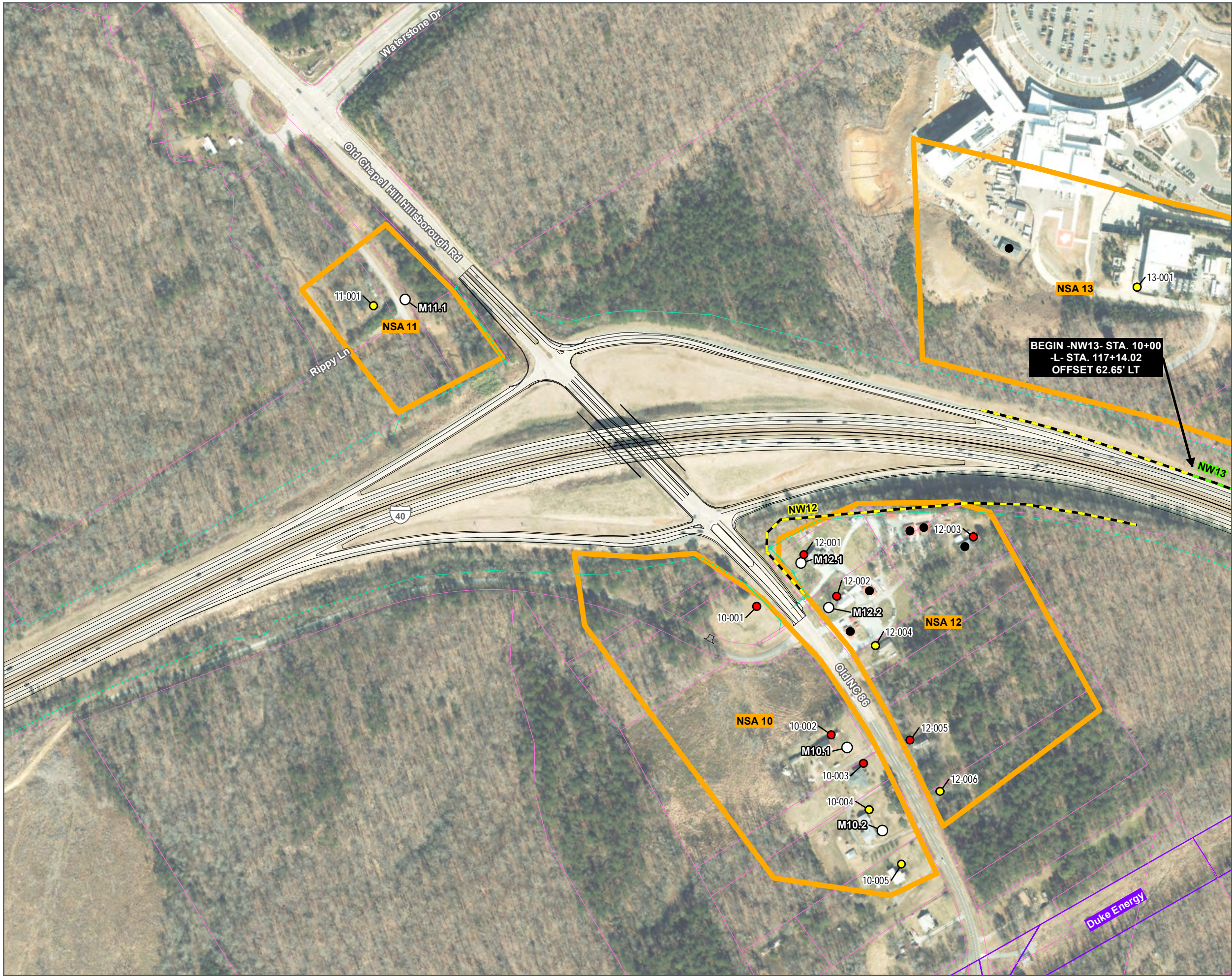


North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-4





- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Barrier
- Noise Barrier Not Recommended

I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501

DETAILED STUDY AREA  
MAP

JUNE 2023



North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group

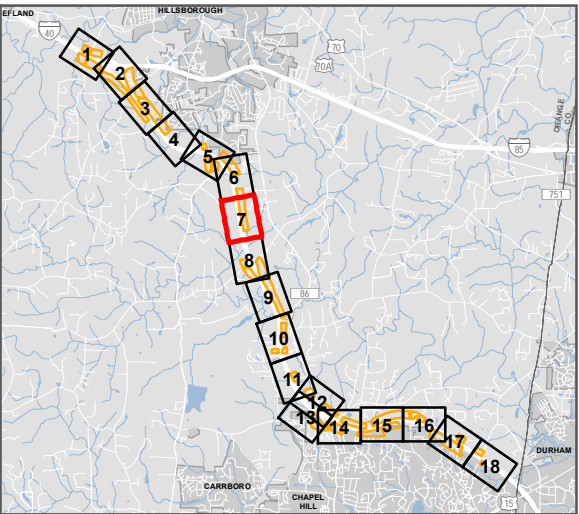
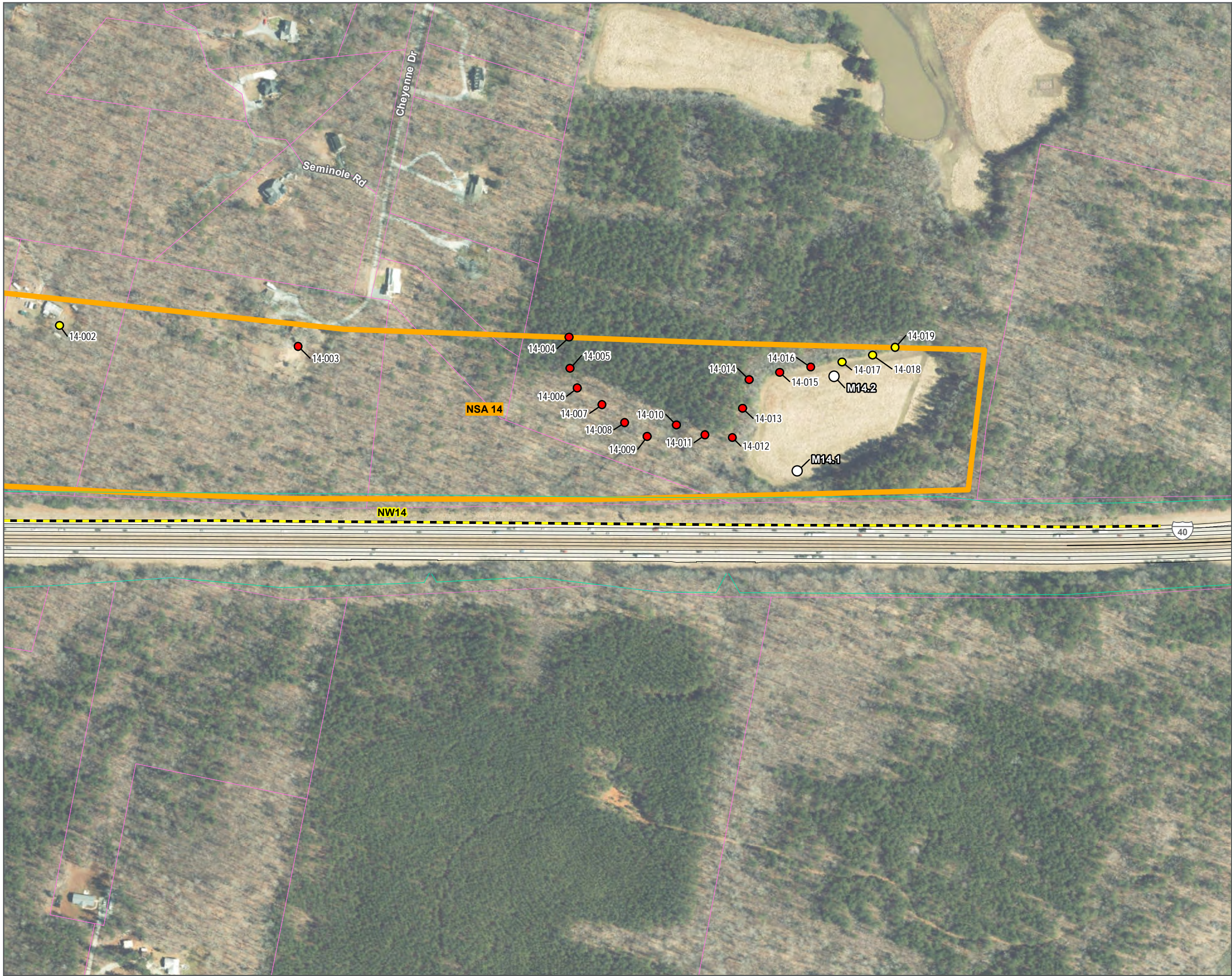


FIGURE 2-5









- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Barrier
- Noise Barrier Not Recommended

**I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501**

**DETAILED STUDY AREA  
MAP**

JUNE 2023

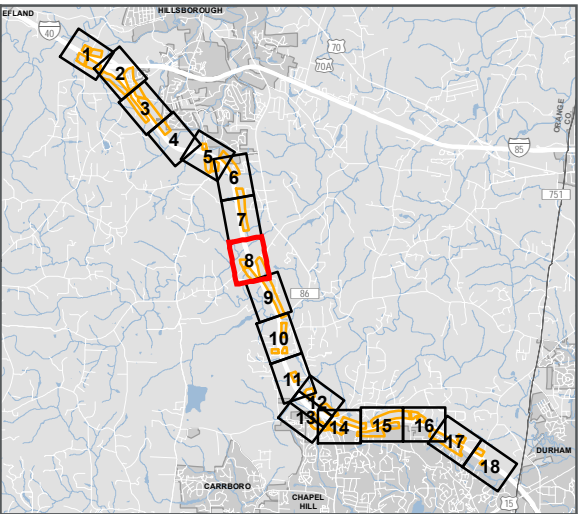


North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-7





- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Barrier
- Noise Barrier Not Recommended

I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501

DETAILED STUDY AREA  
MAP

JUNE 2023

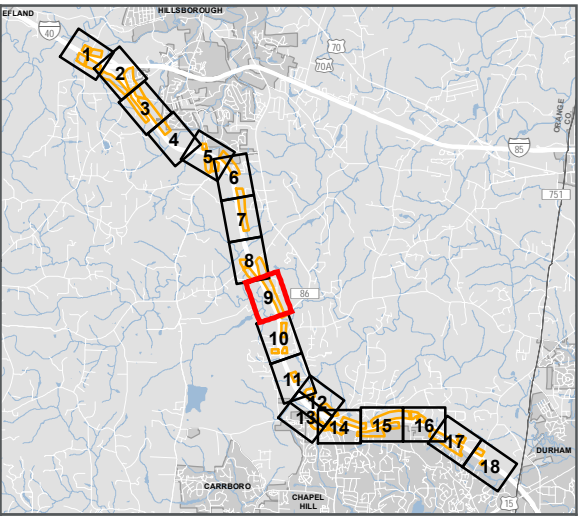


North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-8





- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Barrier
- Noise Barrier Not Recommended

**I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501**

**DETAILED STUDY AREA  
MAP**

JUNE 2023

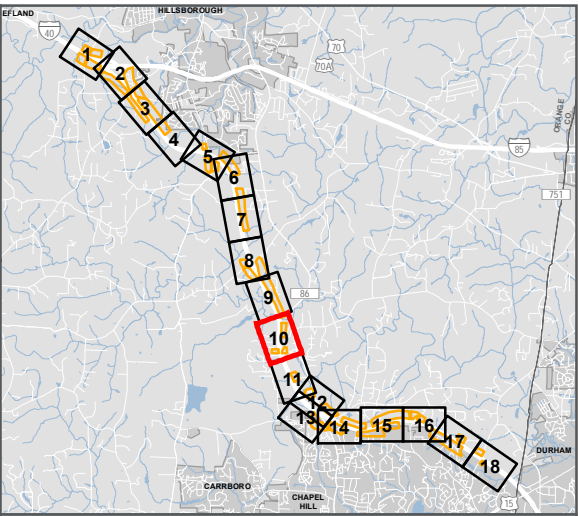


North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-9



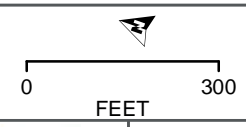


- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Barrier
- Noise Barrier Not Recommended

**I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501**

**DETAILED STUDY AREA  
MAP**

JUNE 2023



North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group

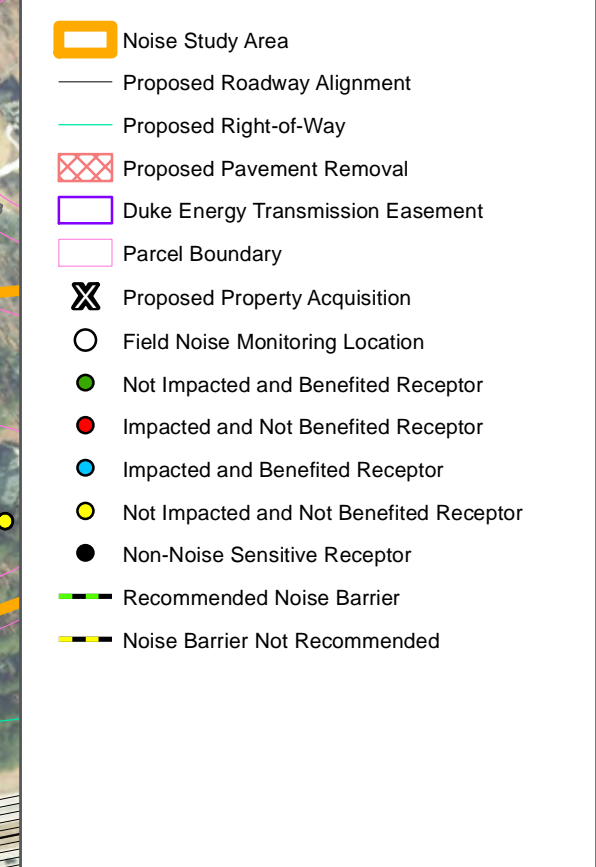
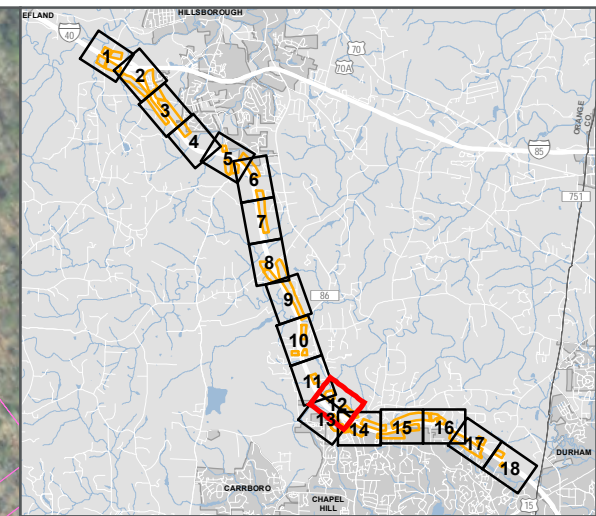
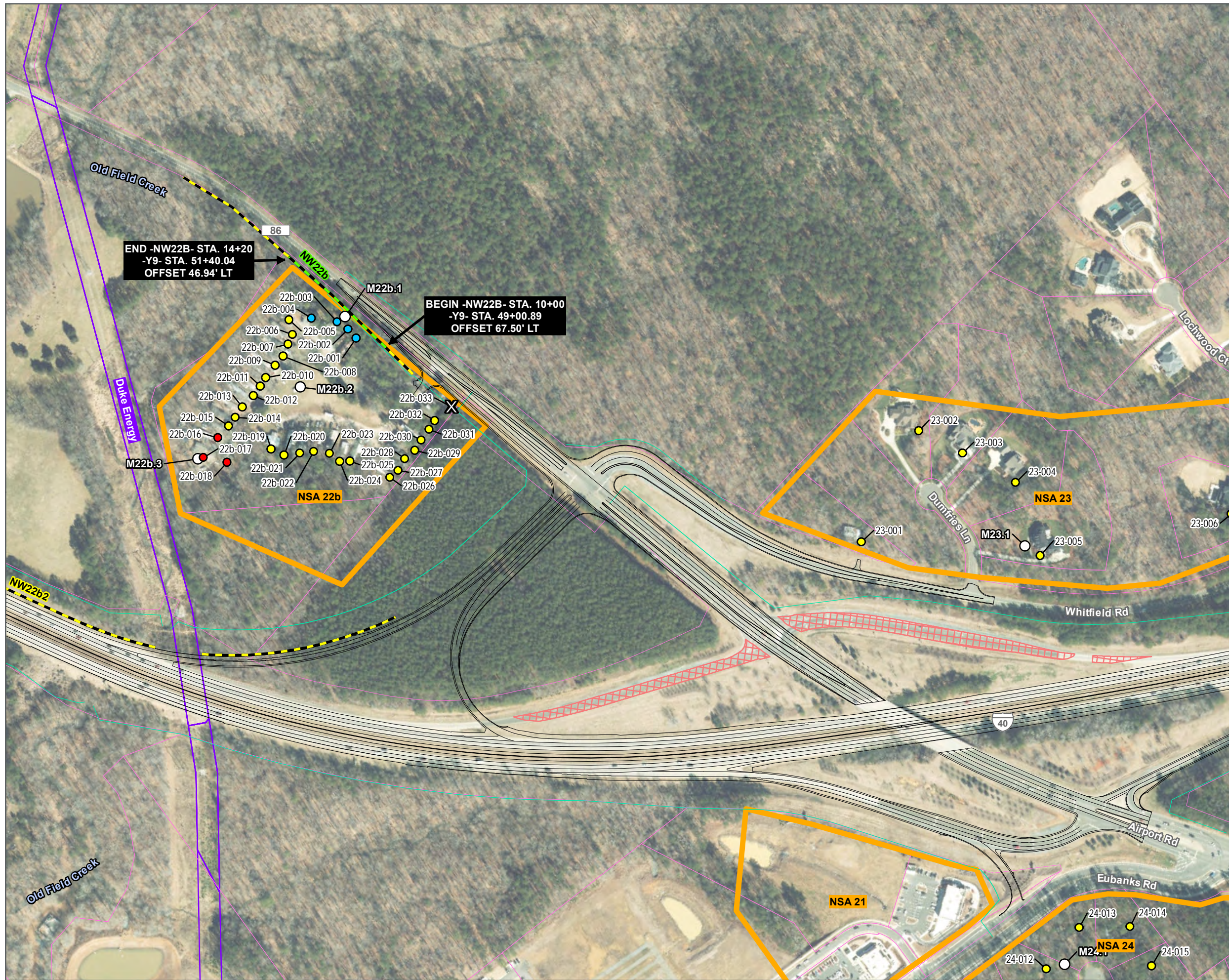


FIGURE 2-10





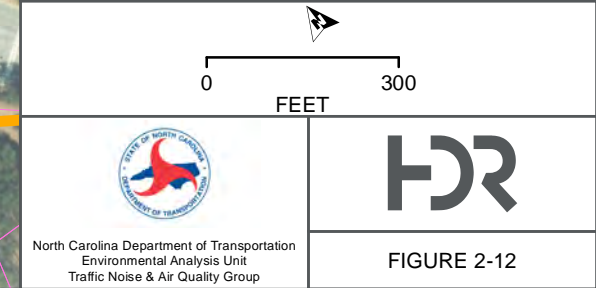




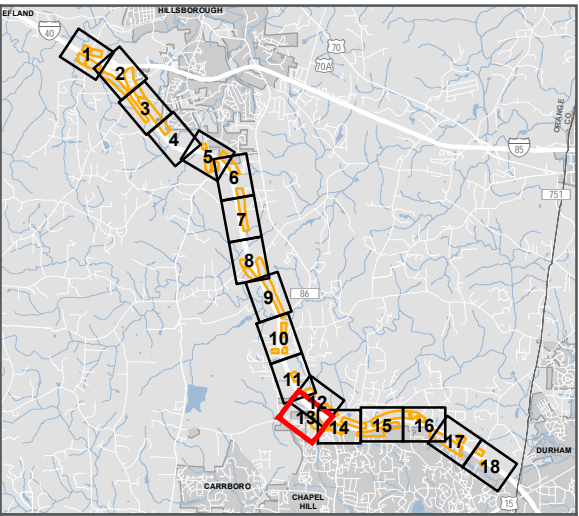
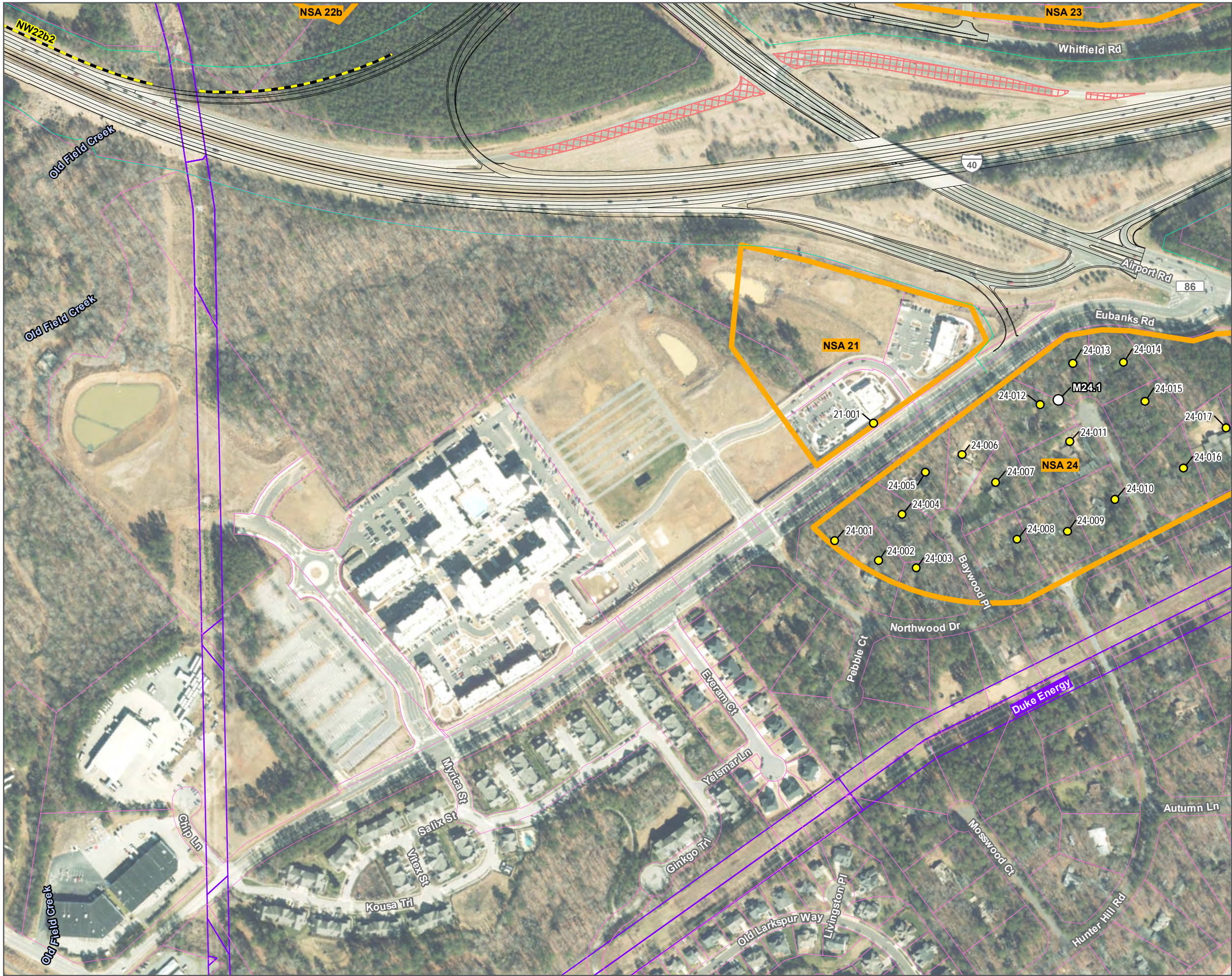
**I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501**

**DETAILED STUDY AREA  
MAP**

JUNE 2023







- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Barrier
- Noise Barrier Not Recommended

I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501

DETAILED STUDY AREA  
MAP

JUNE 2023

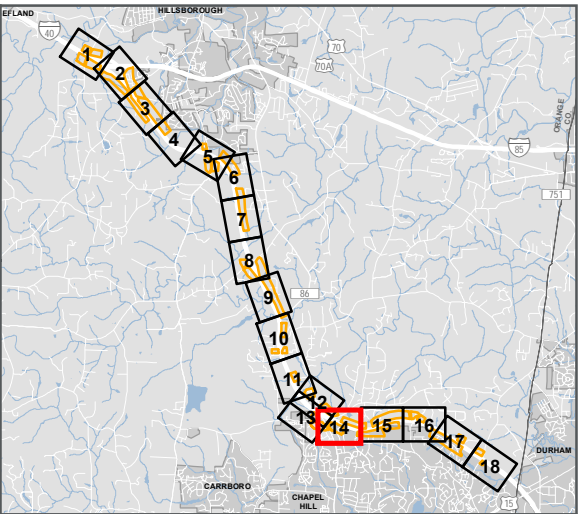


North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-13





- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Barrier
- Noise Barrier Not Recommended

I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501

DETAILED STUDY AREA  
MAP

JUNE 2023

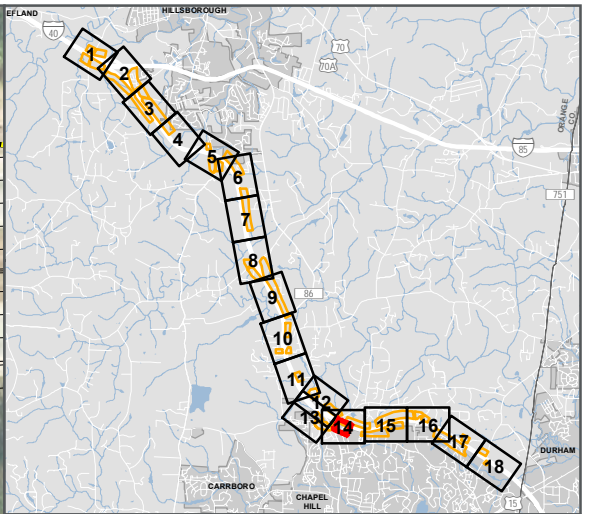
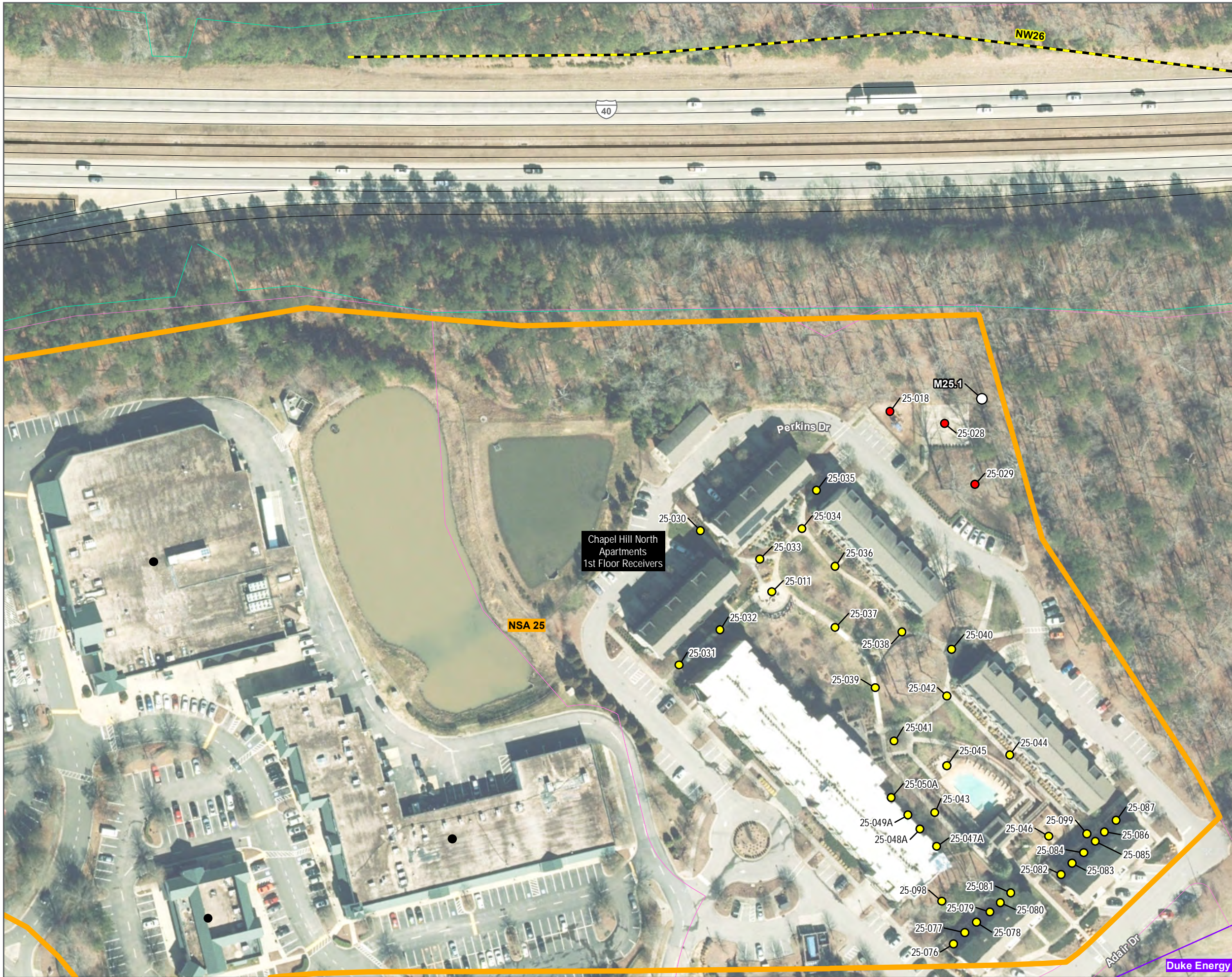


North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-14

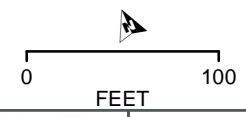




- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Wall
- Noise Wall Not Recommended

**I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501  
DETAILED STUDY AREA  
MAP  
(1st Floor Receivers)**

JUNE 2023

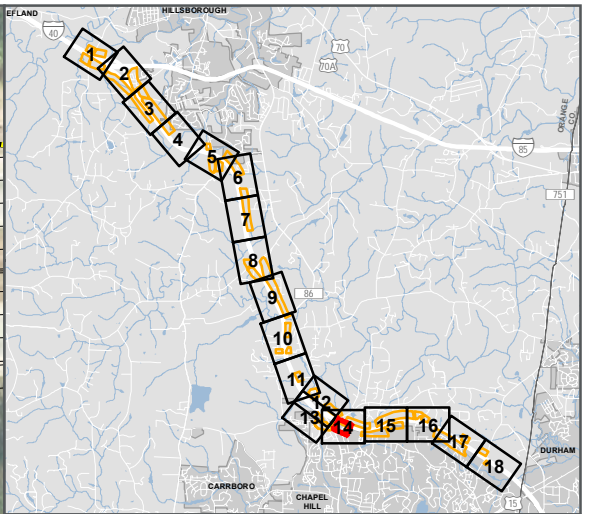
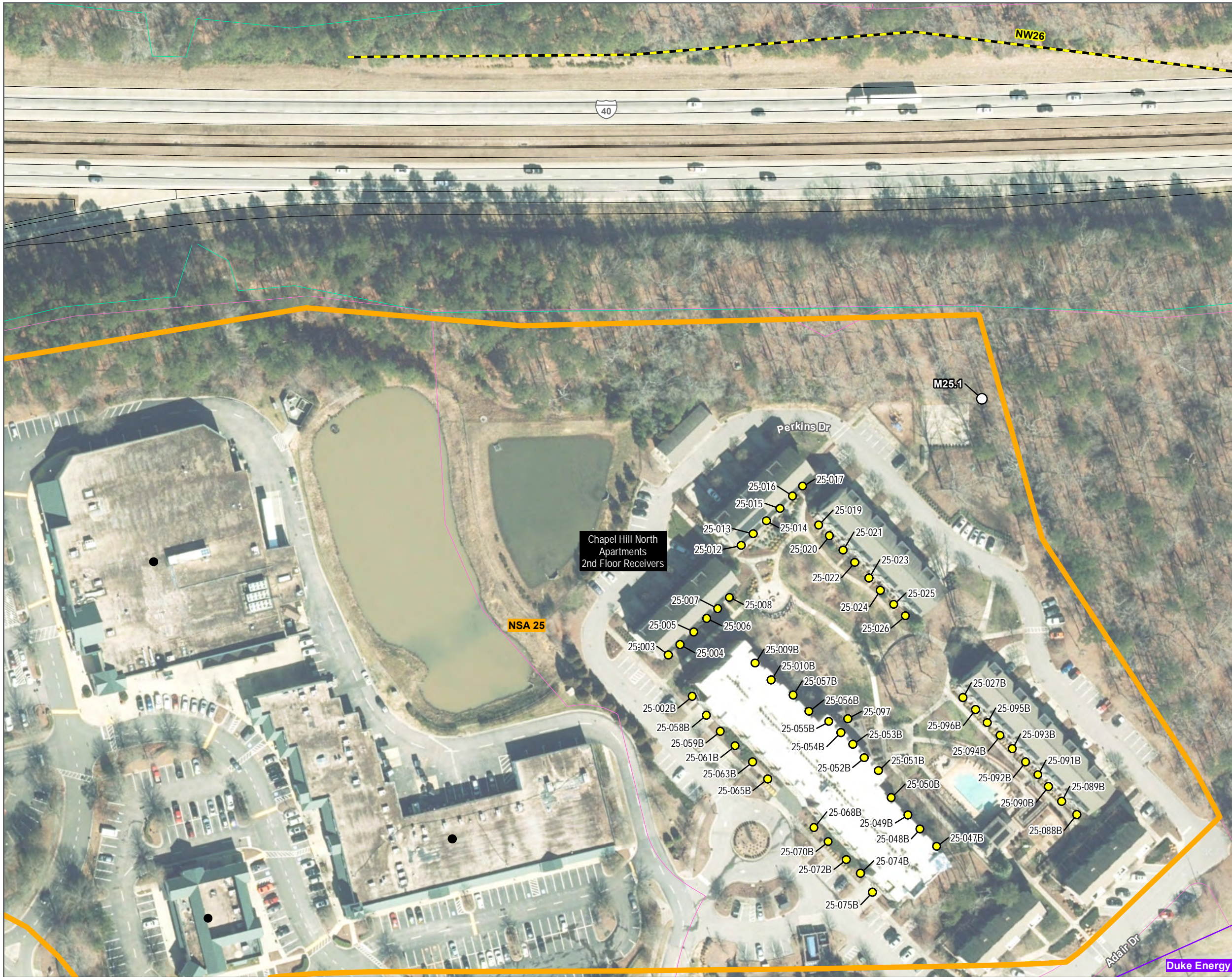


North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-14A-1





- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Wall
- Noise Wall Not Recommended

**I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501  
DETAILED STUDY AREA  
MAP  
(2nd Floor Receivers)**

JUNE 2023

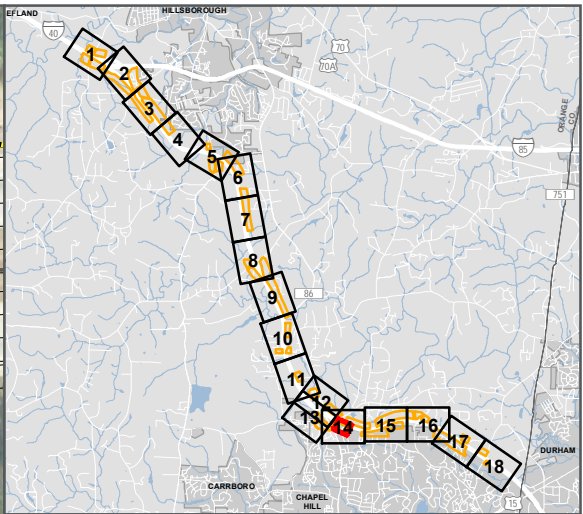
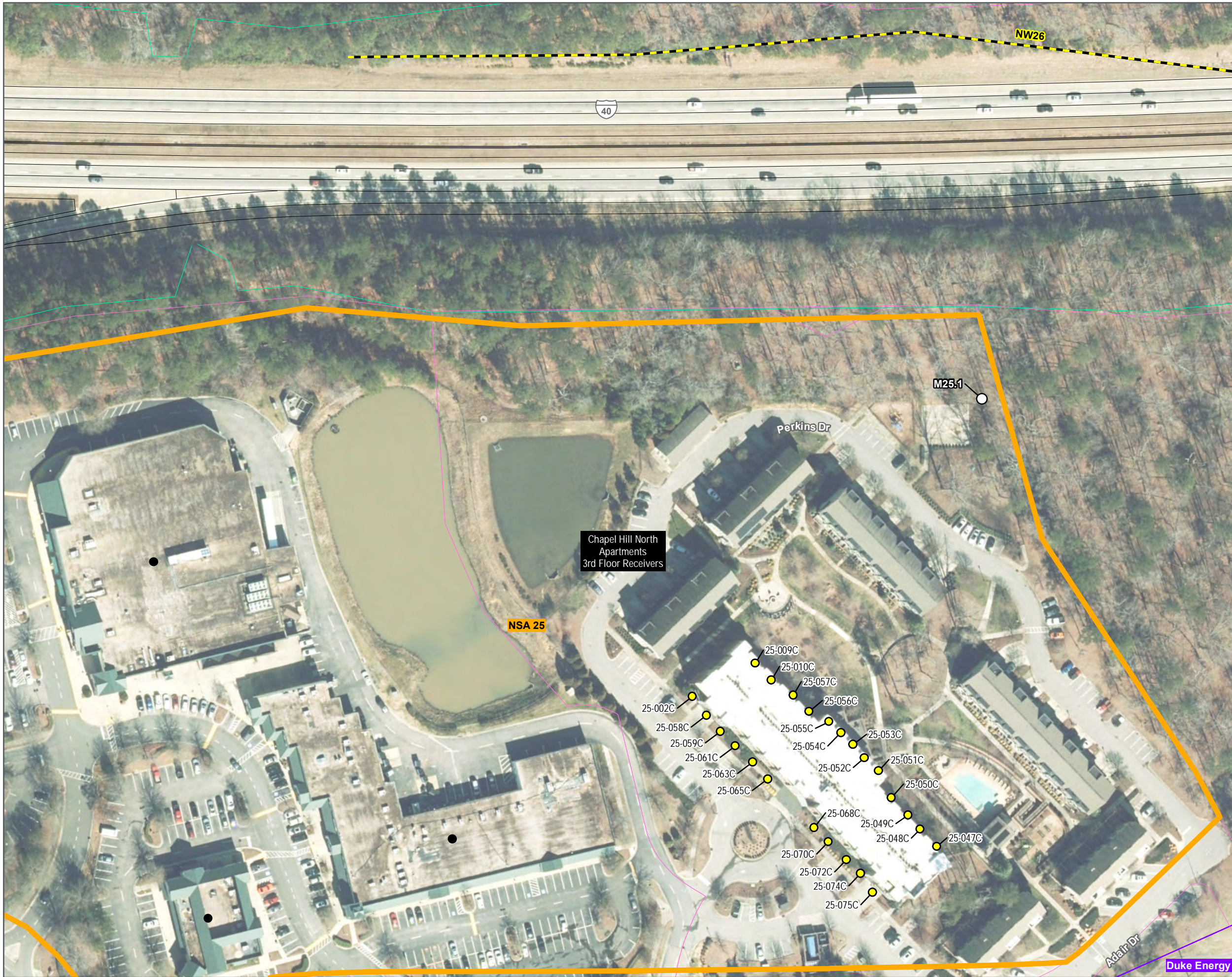


North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-14A-2





- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Wall
- Noise Wall Not Recommended

**I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501**

**DETAILED STUDY AREA  
MAP**

**(3rd Floor Receivers)**

JUNE 2023

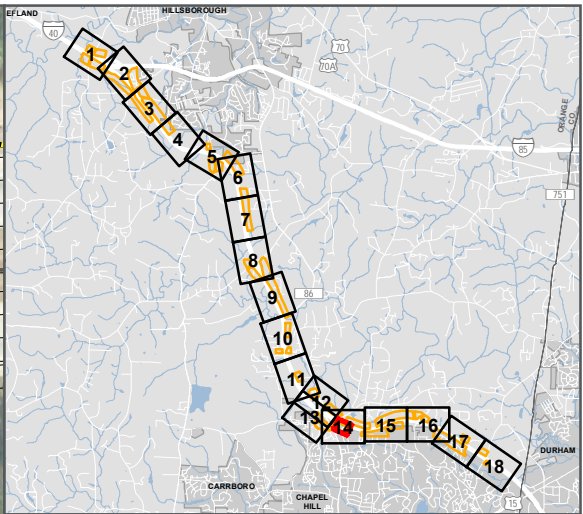
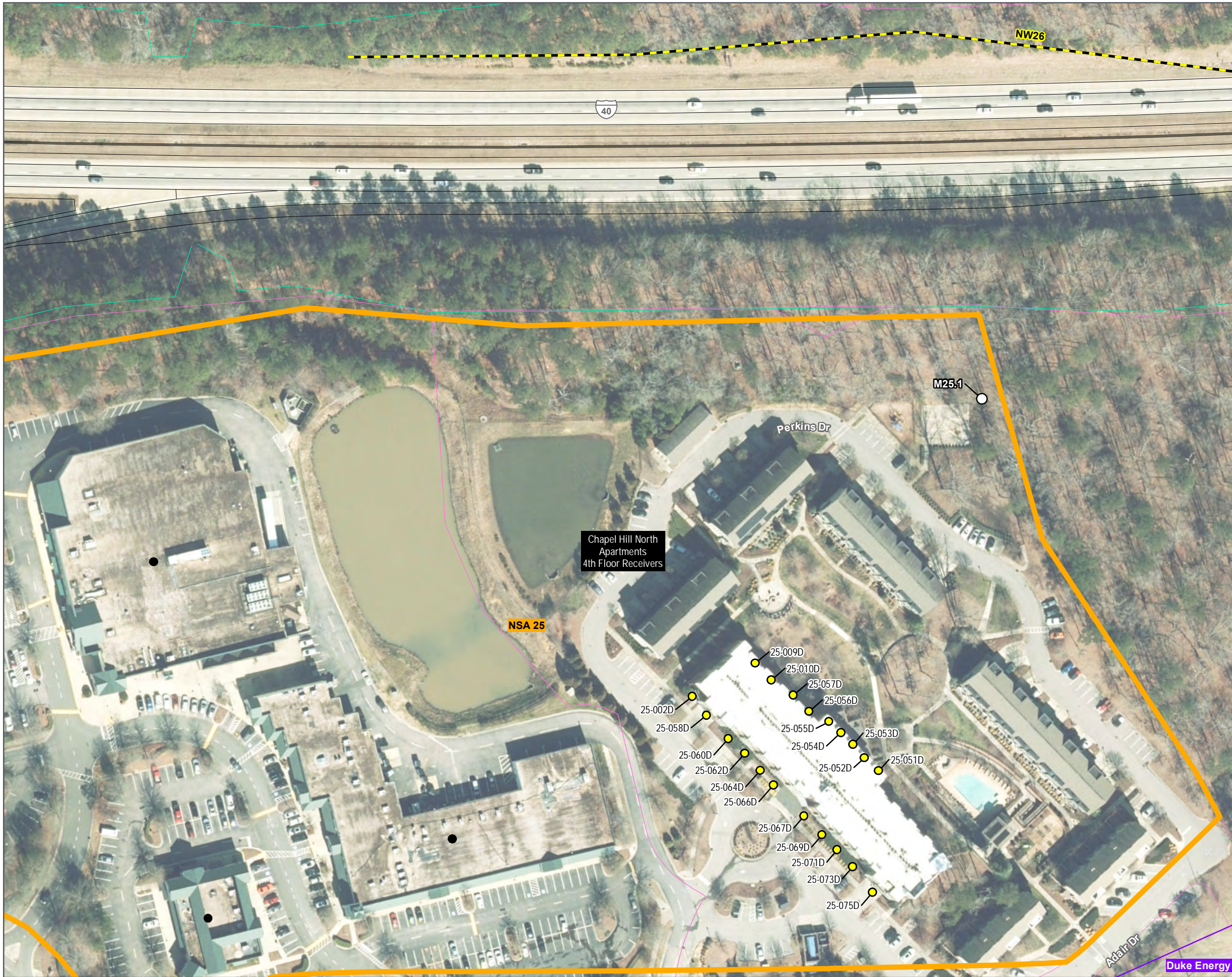


North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-14A-3

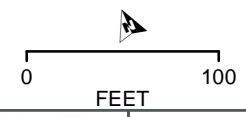




- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Wall
- Noise Wall Not Recommended

**I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501  
DETAILED STUDY AREA  
MAP  
(4th Floor Receivers)**

JUNE 2023



North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



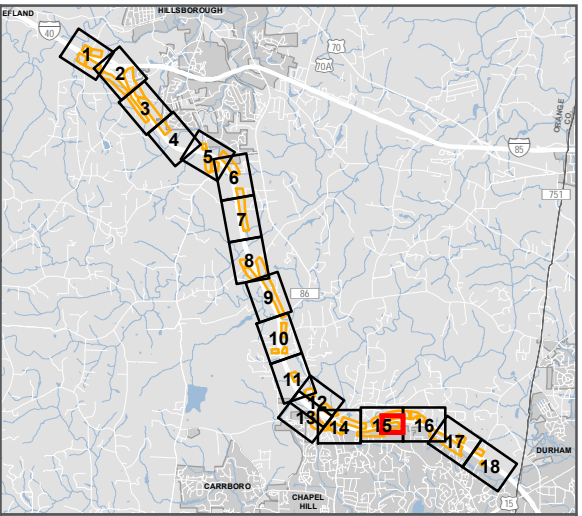
FIGURE 2-14A-4





Background Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community





- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Barrier
- Noise Barrier Not Recommended

**I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501  
DETAILED STUDY AREA  
MAP  
(Carol Woods)**

JUNE 2023

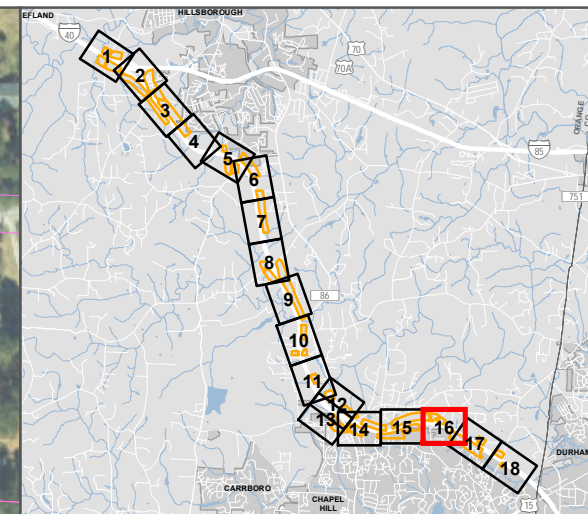
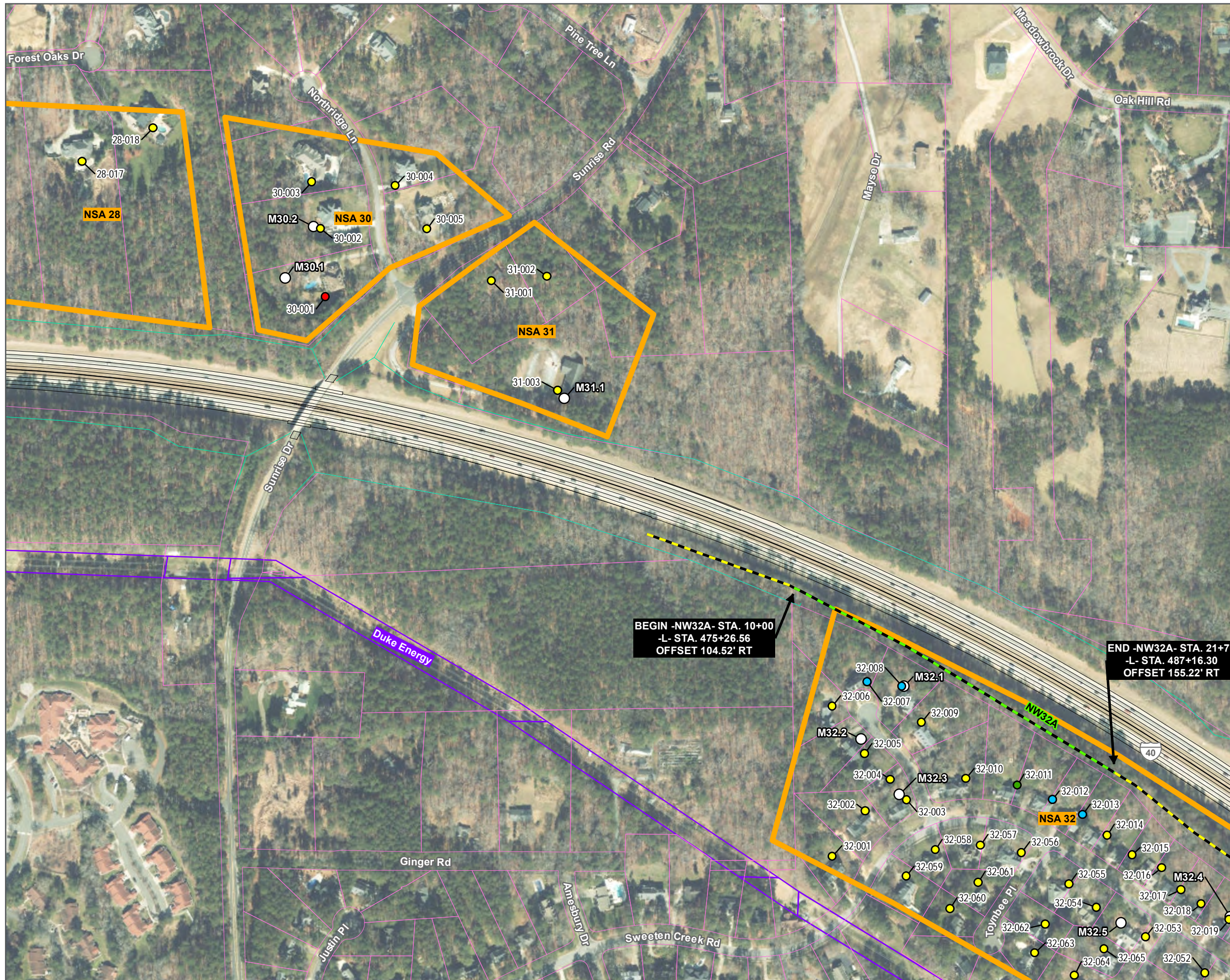


North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-15A-1





- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Barrier
- Noise Barrier Not Recommended

I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501

### DETAILED STUDY AREA MAP

JUNE 2023

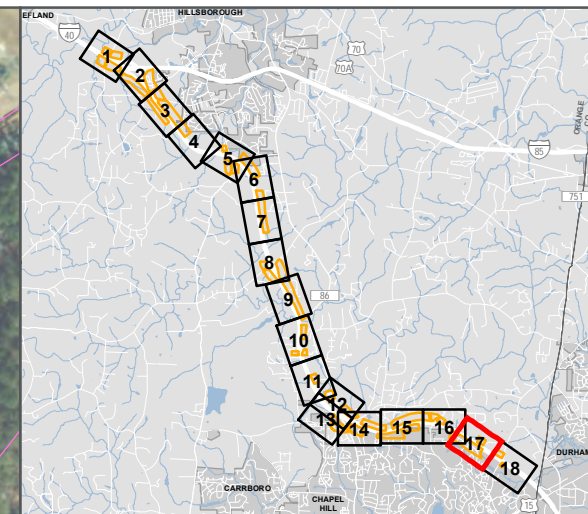
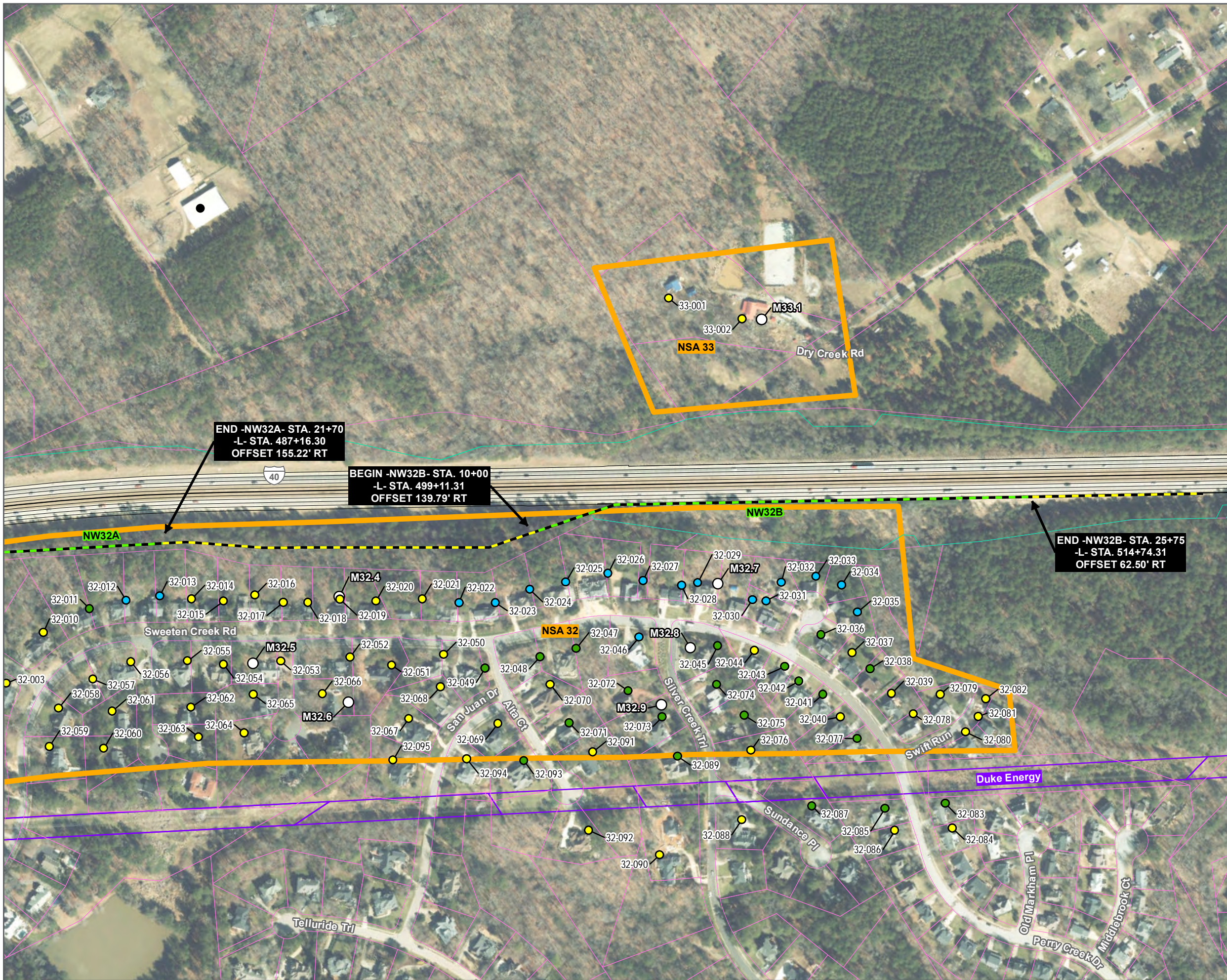


North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-16





- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Barrier
- Noise Barrier Not Recommended

**I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501**

**DETAILED STUDY AREA  
MAP**

JUNE 2023

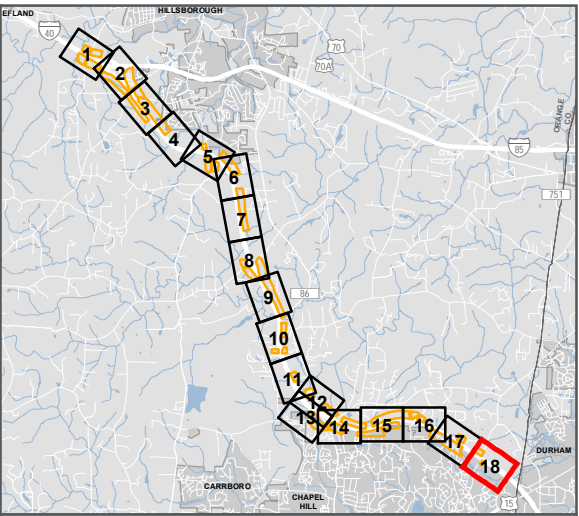
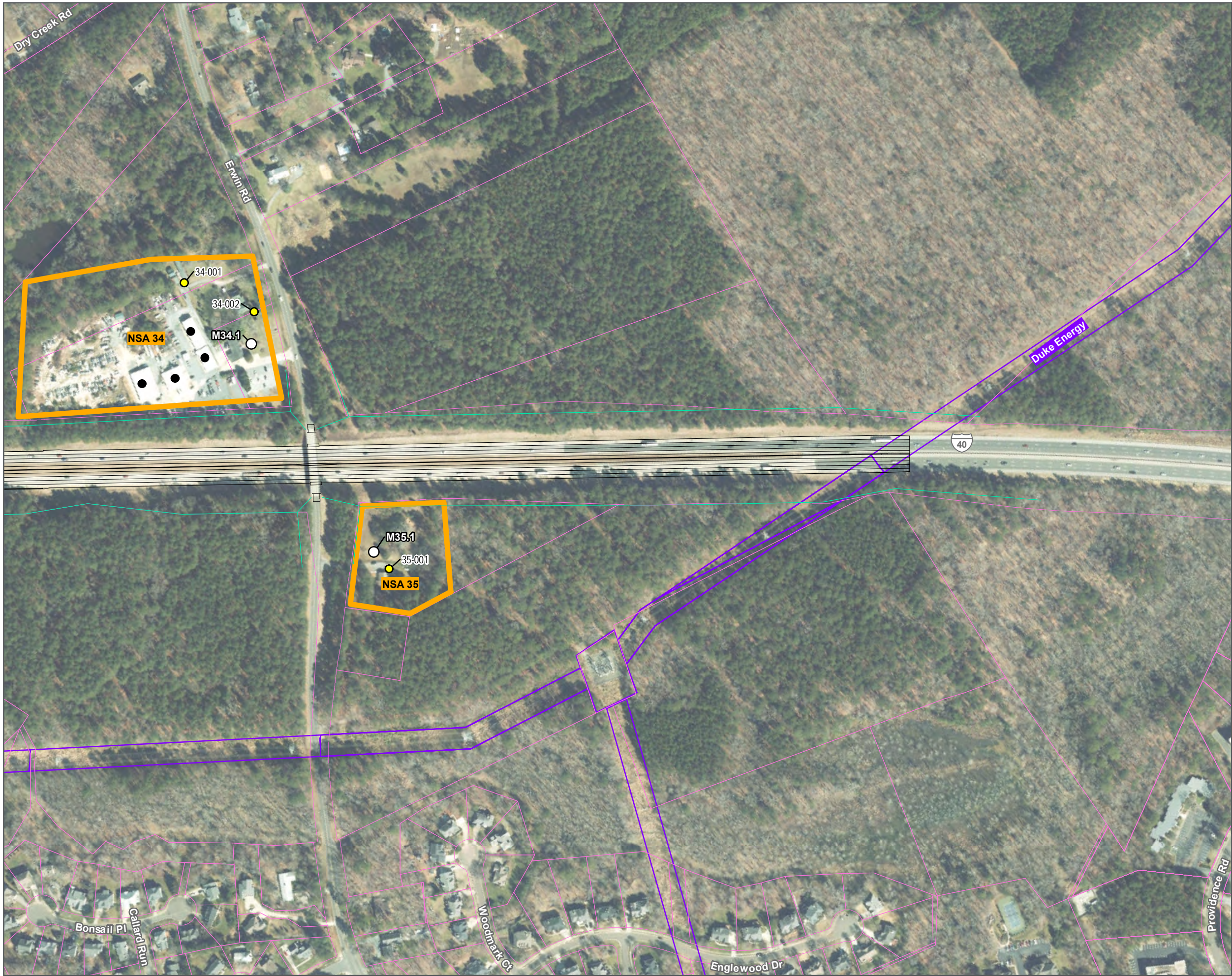


North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-17





- Noise Study Area
- Proposed Roadway Alignment
- Proposed Right-of-Way
- Proposed Pavement Removal
- Duke Energy Transmission Easement
- Parcel Boundary
- Proposed Property Acquisition
- Field Noise Monitoring Location
- Not Impacted and Benefited Receptor
- Impacted and Not Benefited Receptor
- Impacted and Benefited Receptor
- Not Impacted and Not Benefited Receptor
- Non-Noise Sensitive Receptor
- Recommended Noise Barrier
- Noise Barrier Not Recommended

**I-3306A – I-40  
FROM I-40/I-85 JUNCTION TO  
US 15/US 501**

**DETAILED STUDY AREA  
MAP**

JUNE 2023



North Carolina Department of Transportation  
Environmental Analysis Unit  
Traffic Noise & Air Quality Group



FIGURE 2-18