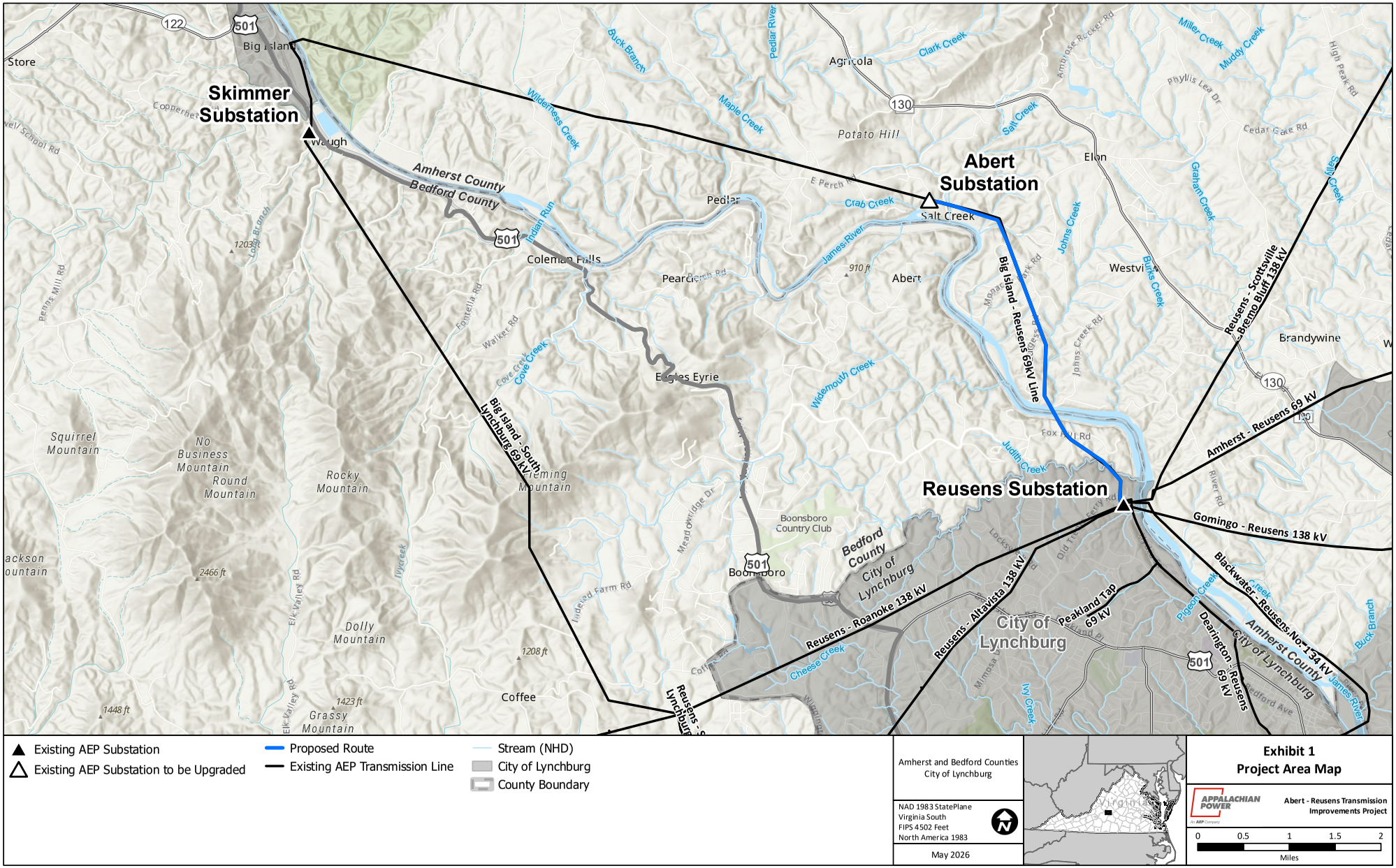
EXHIBIT 1: PROJECT AREA MAP



▲ Existing AEP Substation
△ Existing AEP Substation to be Upgraded
Proposed Route
Existing AEP Transmission Line
Stream (NHD)
City of Lynchburg
County Boundary

Amherst and Bedford Counties
City of Lynchburg

NAD 1983 StatePlane
Virginia South
FIPS 4502 Feet
North America 1983

May 2026

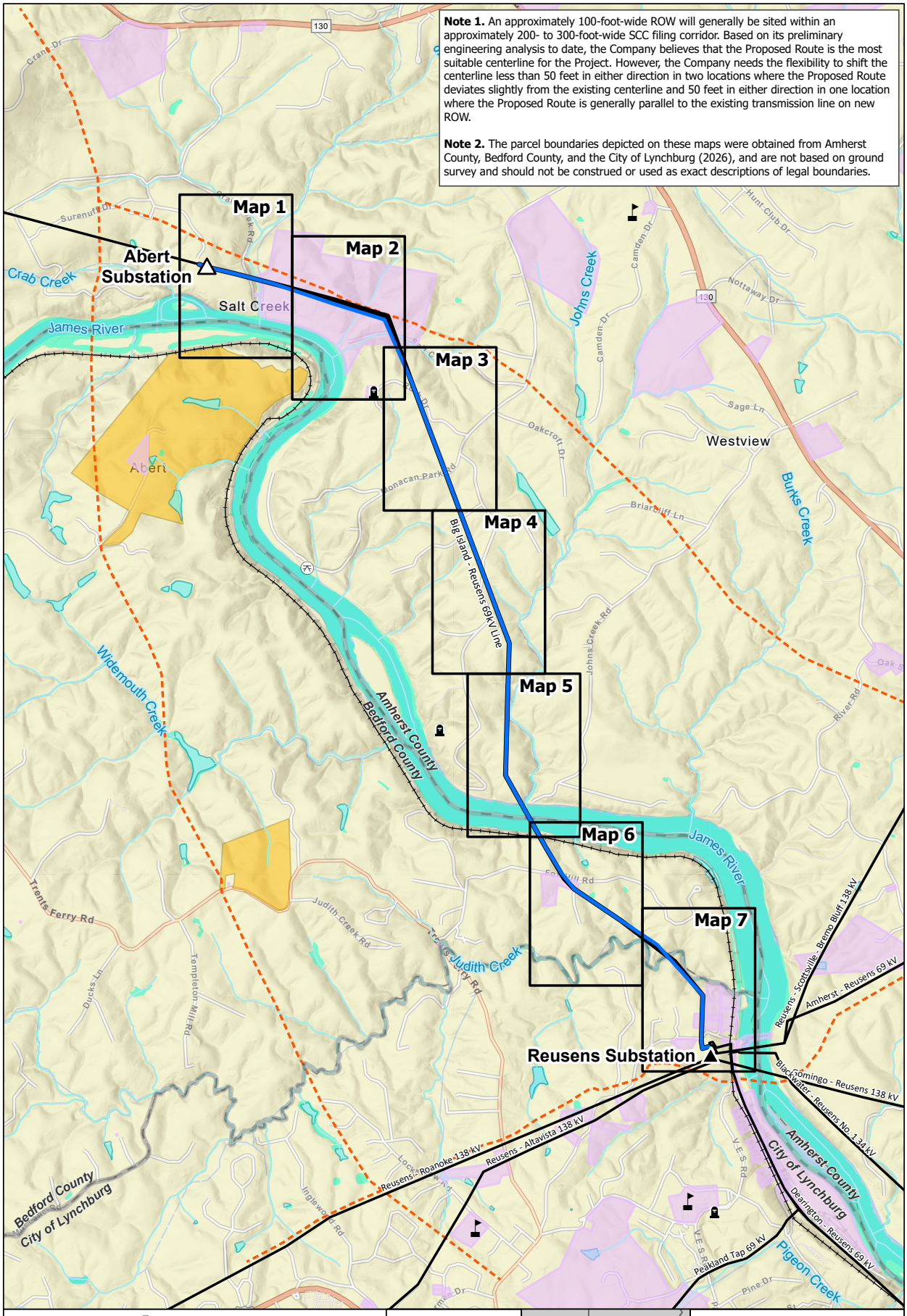
Exhibit 1
Project Area Map

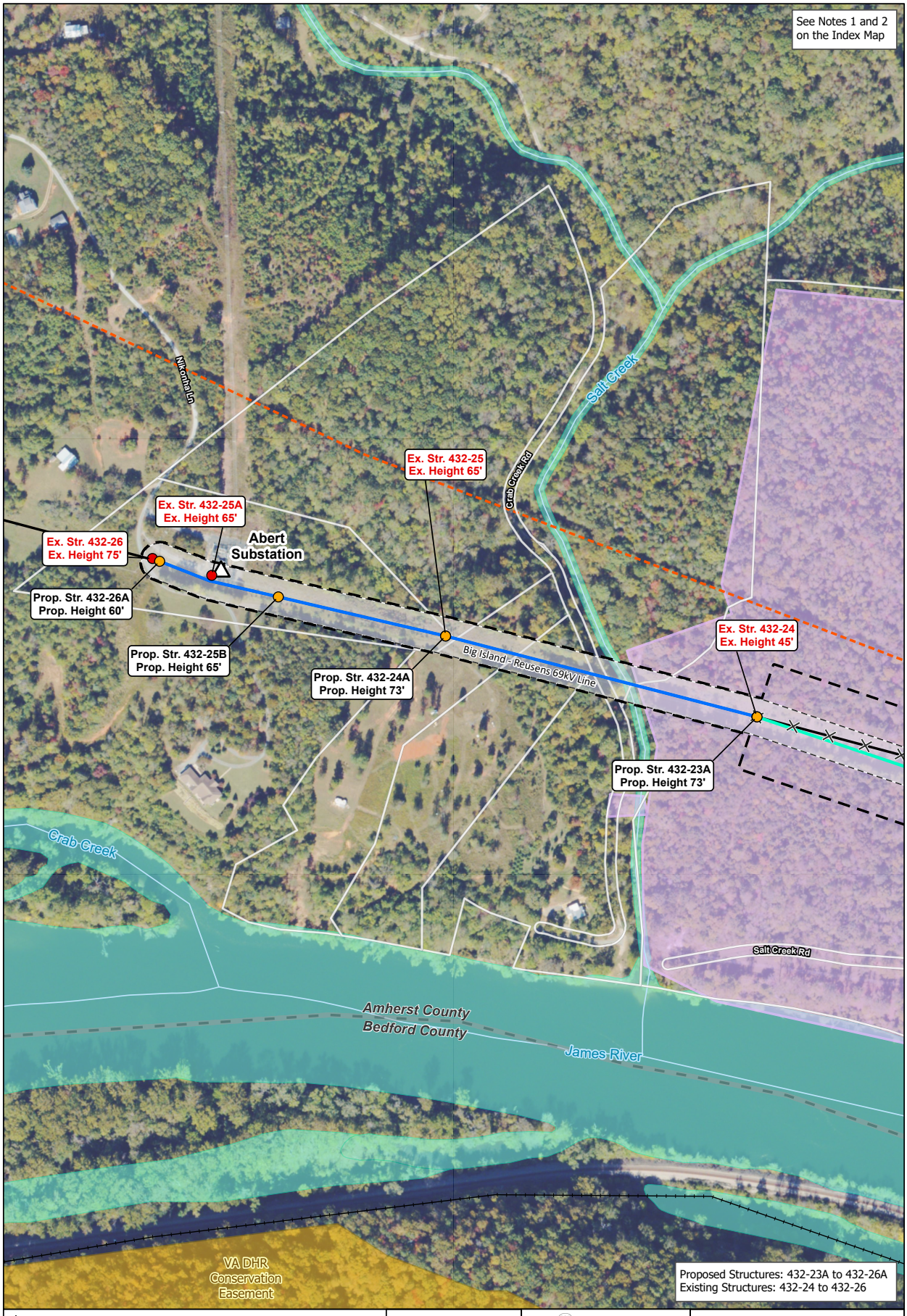
APPALACHIAN POWER
An AEP Company

Abert - Reusens Transmission Improvements Project

0 0.5 1 1.5 2
Miles

EXHIBIT 2: GIS CONSTRAINTS MAP


Note 1. An approximately 100-foot-wide ROW will generally be sited within an approximately 200- to 300-foot-wide SCC filing corridor. Based on its preliminary engineering analysis to date, the Company believes that the Proposed Route is the most suitable centerline for the Project. However, the Company needs the flexibility to shift the centerline less than 50 feet in either direction in two locations where the Proposed Route deviates slightly from the existing centerline and 50 feet in either direction in one location where the Proposed Route is generally parallel to the existing transmission line on new ROW.
Note 2. The parcel boundaries depicted on these maps were obtained from Amherst County, Bedford County, and the City of Lynchburg (2026), and are not based on ground survey and should not be construed or used as exact descriptions of legal boundaries.
Map 1
Map 2
Map 3
Map 4
Map 5
Map 6
Map 7
Abert Substation
Reusens Substation
Crab Creek
Salt Creek
James River
Johns Creek
Burks Creek
Widemouth Creek
Judith Creek
Pigeon Creek
Amherst County
Bedford County
City of Lynchburg
Big Island - Reusens 69 kV Line
Reusens - Roanoke 138 kV
Reusens - Altavista 138 kV
Reusens - Scottsville - Brenno Bluff 138 kV
Amherst - Reusens 69 kV
Domingo - Reusens 138 kV
Blackwater - Reusens No. 134 kV
Dearington - Reusens 69 kV
Peakland Tap 69 kV
Westview
Abert
Trents Ferry Rd
Templeton Mill Rd
Judith Creek Rd
Johns Creek Rd
Existing AEP Substation
Existing AEP Substation to be Upgraded
Proposed Route
Existing AEP Transmission Line
Local Park
Cemetery/Burial Ground
School
Existing Natural Gas Line
Railroad
Stream (NHD)
Architectural Resource (VDHR)
Wetland (NWI)
Waterbody (NHD)
Conservation Easement (VDHR)
County Boundary
Amherst and Bedford Counties, City of Lynchburg, Virginia
NAD 1983 StatePlane Virginia South FIPS 4502 Feet North America 1983
May 2026
Exhibit 2: GIS Constraint Map
Index
APPALACHIAN POWER
Abert - Reusens Transmission Improvements Project
0 0.2 0.4 0.6 0.8
Miles



- Existing AEP Substation to be Upgraded
- Proposed AEP Structure
- Existing AEP Structure to be Removed
- Proposed Route (On New Centerline)
- Proposed Route (On Existing Centerline)
- Existing AEP Transmission Line to be Removed
- Existing AEP Transmission Line
- Proposed Right of Way
- Filing Corridor
- Existing Natural Gas Line
- Railroad
- Stream (NHD)
- Wetland (NWI)
- Architectural Resource (VDHR)
- Conservation Easement (VDHR)
- Parcel Boundary (within Filing Corridor)

Amherst and Bedford Counties, City of Lynchburg, Virginia

NAD 1983 StatePlane Virginia South FIPS 4502 Feet North America 1983

May 2026

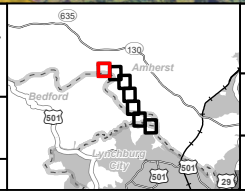


Exhibit 2: GIS Constraint Map

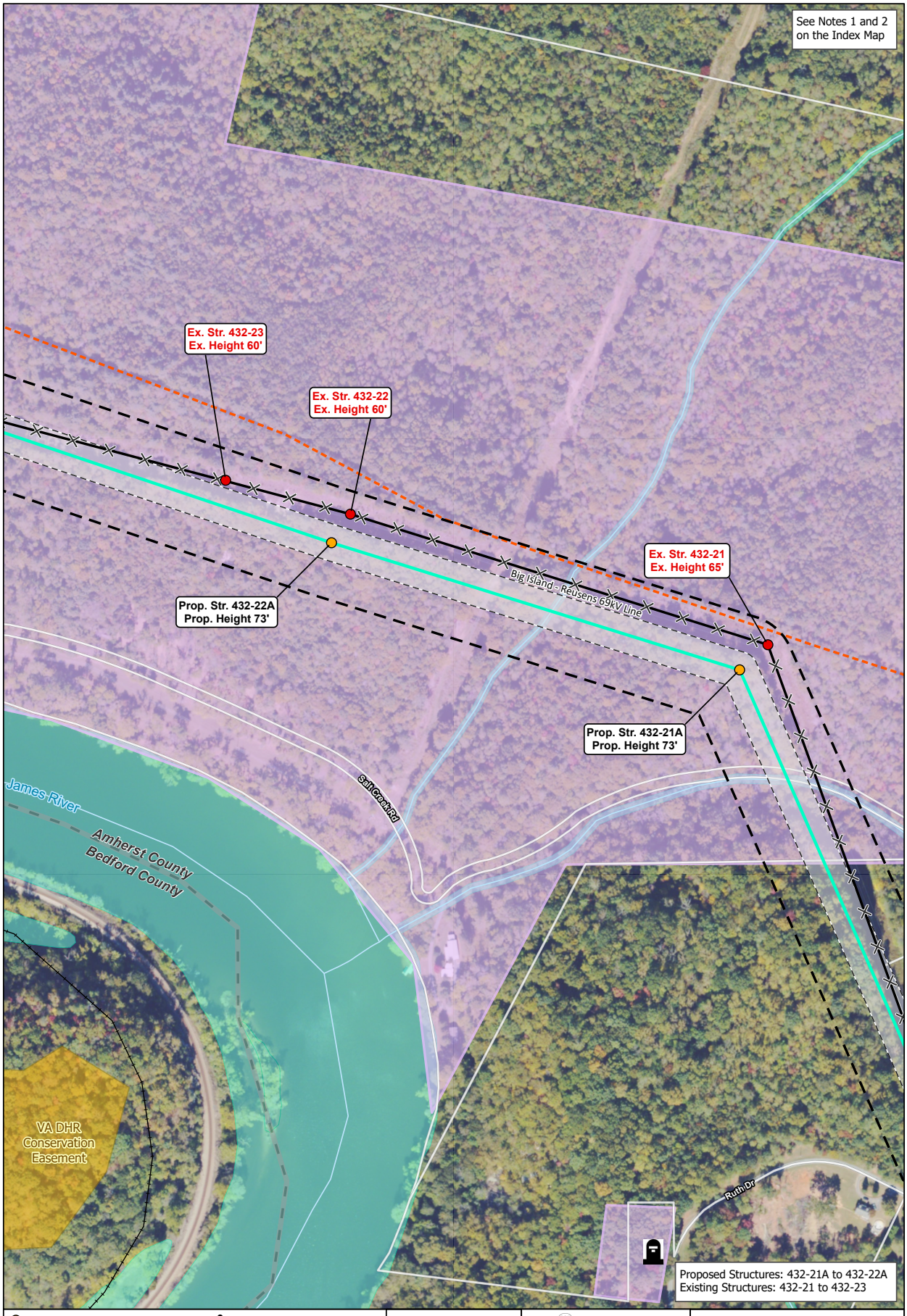
Map 1 of 7

APPALACHIAN POWER
An AEP Company

Abert - Reusens Transmission Improvements Project

0 100 200 300 400

Feet



- Proposed AEP Structure
- Existing AEP Structure to be Removed
- Proposed Route (On New Centerline)
- Existing AEP Transmission Line to be Removed
- Existing AEP Transmission Line
- Proposed Right of Way
- Filing Corridor
- Cemetery/Burial Ground
- Existing Natural Gas Line
- Railroad
- Stream (NHD)
- Wetland (NWI)
- Architectural Resource (VDHR)
- Conservation Easement (VDHR)
- Parcel Boundary (within Filing Corridor)

Amherst and Bedford Counties, City of Lynchburg, Virginia

NAD 1983 StatePlane Virginia South FIPS 4502 Feet North America 1983

May 2026

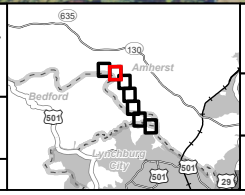


Exhibit 2: GIS Constraint Map

Map 2 of 7

APPALACHIAN POWER
An AEP Company

Abert - Reusens Transmission Improvements Project

0 100 200 300 400

Feet

- Proposed AEP Structure
- Existing AEP Structure to be Removed
- Proposed Route (On New Centerline)
- Proposed Route (On Existing Centerline)
- Existing AEP Transmission Line to be Removed
- Existing AEP Transmission Line
- Proposed Right of Way
- Filing Corridor
- Existing Natural Gas Line
- Stream (NHD)
- Non-Residential Building (within ROW)
- Wetland (NWI)
- Parcel Boundary (within Filing Corridor)

Amherst and Bedford Counties, City of Lynchburg, Virginia

NAD 1983 StatePlane Virginia South FIPS 4502 Feet North America 1983

May 2026

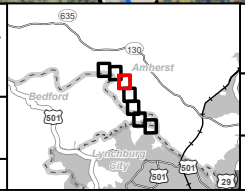


Exhibit 2: GIS Constraint Map

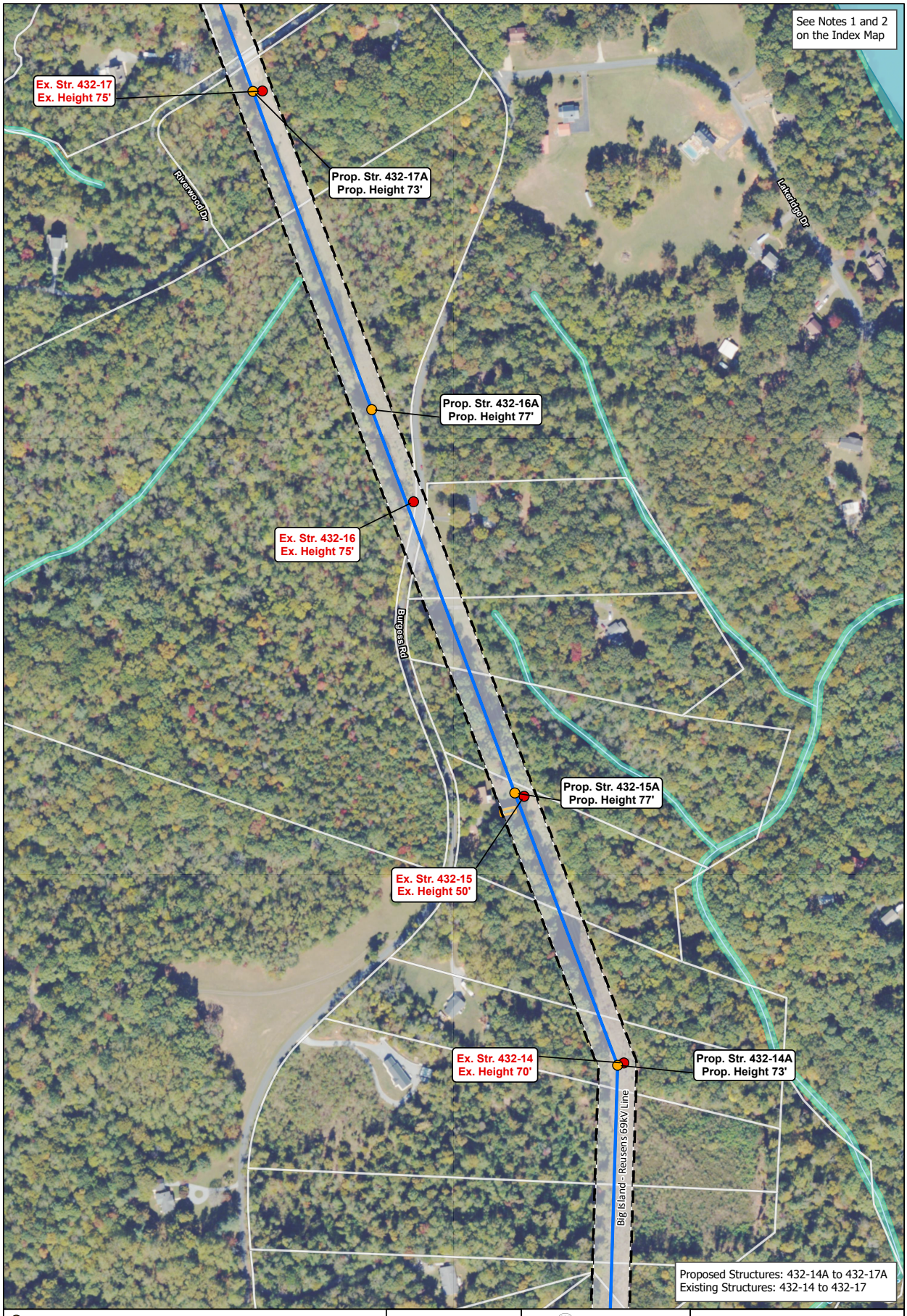
Map 3 of 7

APPALACHIAN POWER

Abert - Reusens Transmission Improvements Project

0 100 200 300 400

Feet



- Proposed AEP Structure
- Existing AEP Structure to be Removed
- Proposed Route (On Existing Centerline)
- Existing AEP Transmission Line
- Proposed Right of Way
- Filing Corridor
- Stream (NHD)
- Non-Residential Building (within ROW)
- Wetland (NWI)
- Waterbody (NHD)
- Parcel Boundary (within Filing Corridor)

Amherst and Bedford Counties, City of Lynchburg, Virginia

NAD 1983 StatePlane Virginia South FIPS 4502 Feet North America 1983

May 2026

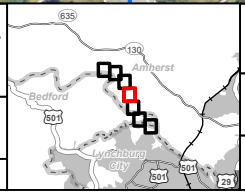


Exhibit 2: GIS Constraint Map

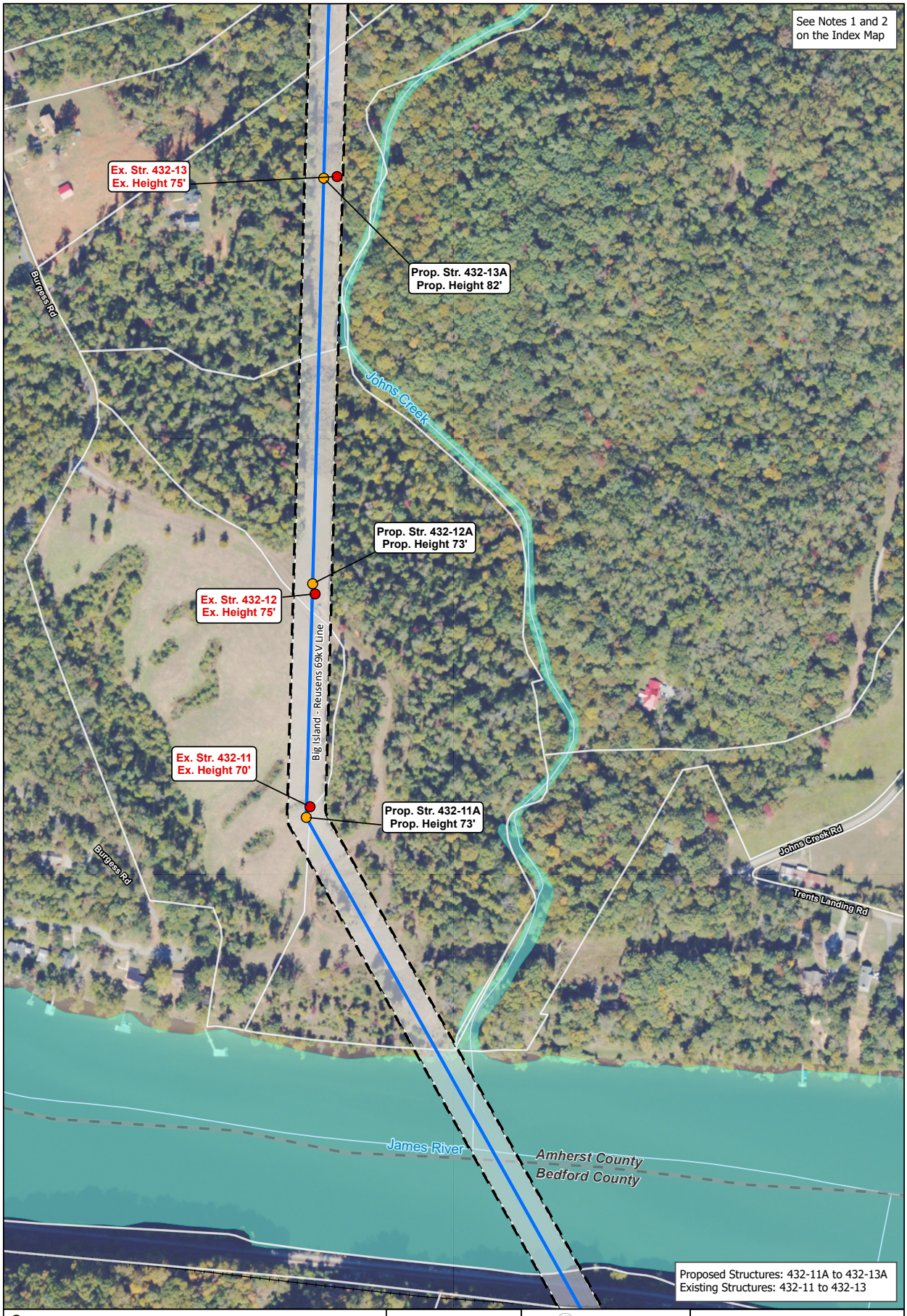
Map 4 of 7

APPALACHIAN POWER

Abert - Reusens Transmission Improvements Project

0 100 200 300 400

Feet



- Proposed AEP Structure
- Existing AEP Structure to be Removed
- Proposed Route (On Existing Centerline)
- Existing AEP Transmission Line
- Proposed Right of Way
- Filing Corridor
- Railroad
- Stream (NHD)
- Wetland (NWI)
- Parcel Boundary (within Filing Corridor)

Amherst and Bedford Counties, City of Lynchburg, Virginia

NAD 1983 StatePlane Virginia South FIPS 4502 Feet North America 1983

May 2026

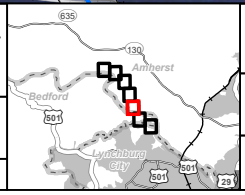


Exhibit 2: GIS Constraint Map

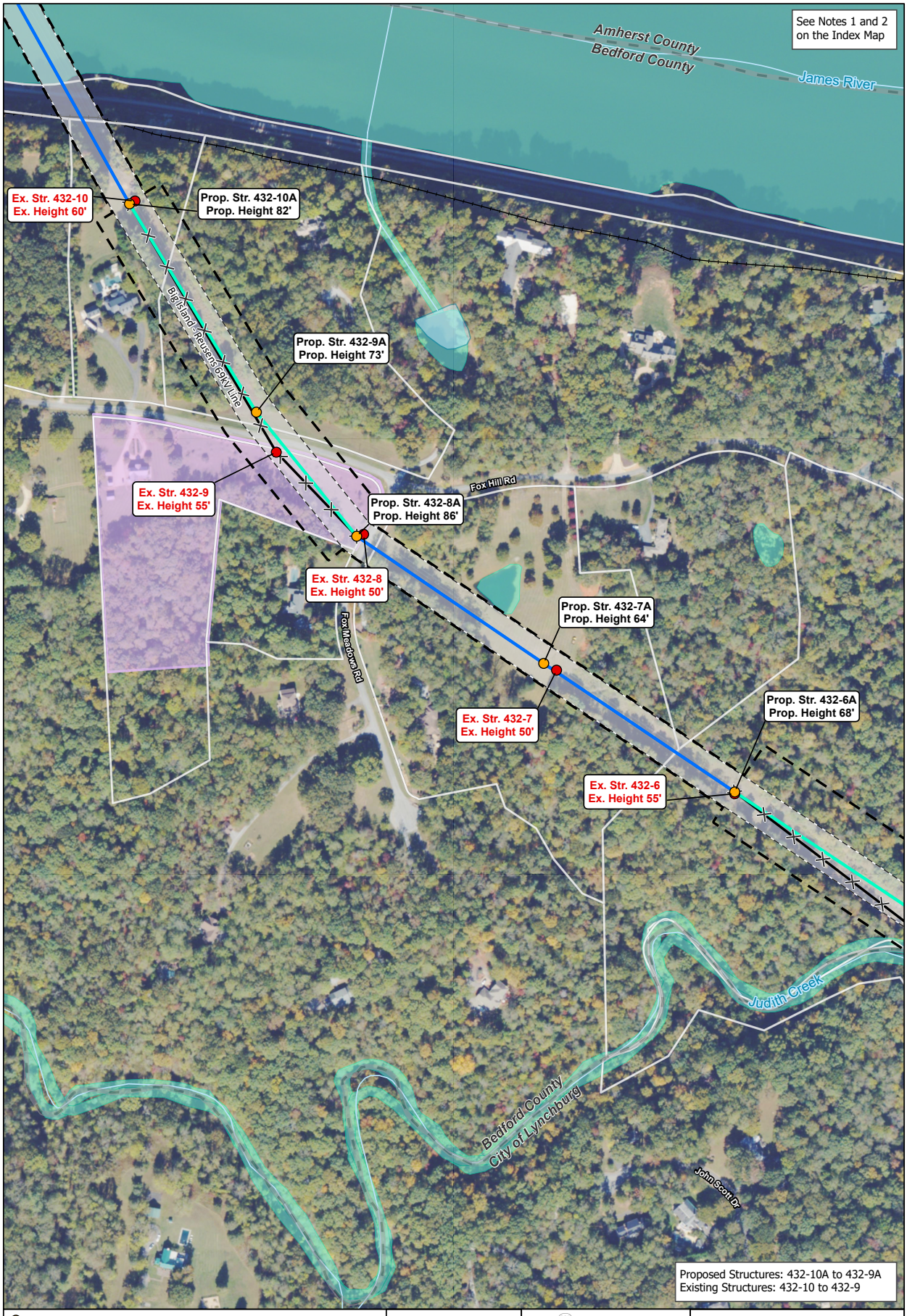
Map 5 of 7

APPALACHIAN POWER
An AEP Company

Abert - Reusens Transmission Improvements Project

0 100 200 300 400

Feet



- Proposed AEP Structure
- Existing AEP Structure to be Removed
- Proposed Route (On New Centerline)
- Proposed Route (On Existing Centerline)
- Existing AEP Transmission Line to be Removed
- Existing AEP Transmission Line
- Proposed Right of Way
- Filing Corridor
- Railroad
- Stream (NHD)
- Wetland (NWI)
- Waterbody (NHD)
- Architectural Resource (VDHR)
- Parcel Boundary (within Filing Corridor)

Amherst and Bedford Counties, City of Lynchburg, Virginia

NAD 1983 StatePlane Virginia South FIPS 4502 Feet North America 1983

May 2026

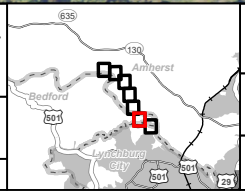


Exhibit 2: GIS Constraint Map

Map 6 of 7

APPALACHIAN POWER
An AEP Company

Abert - Reusens Transmission Improvements Project

0 100 200 300 400

Feet

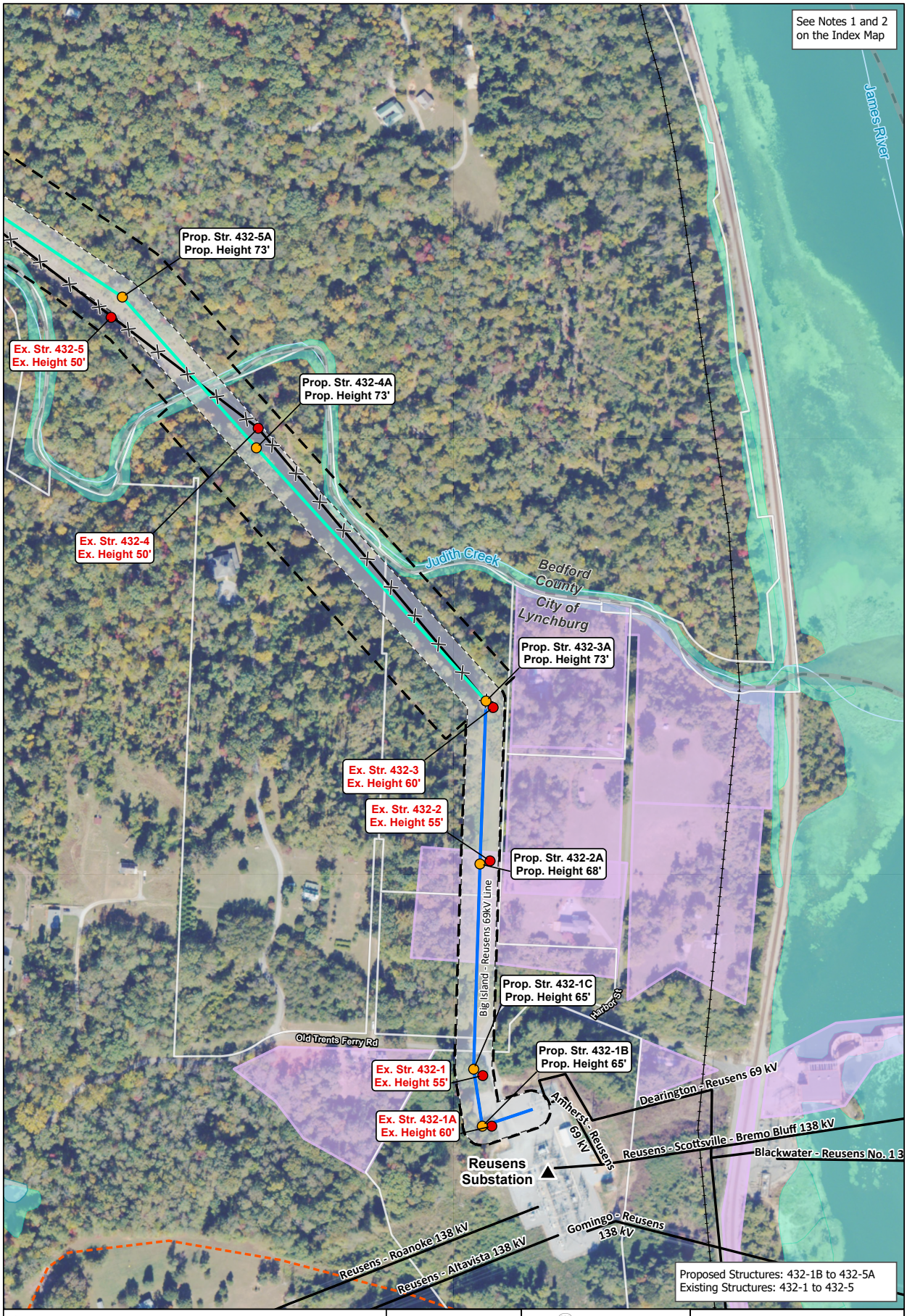
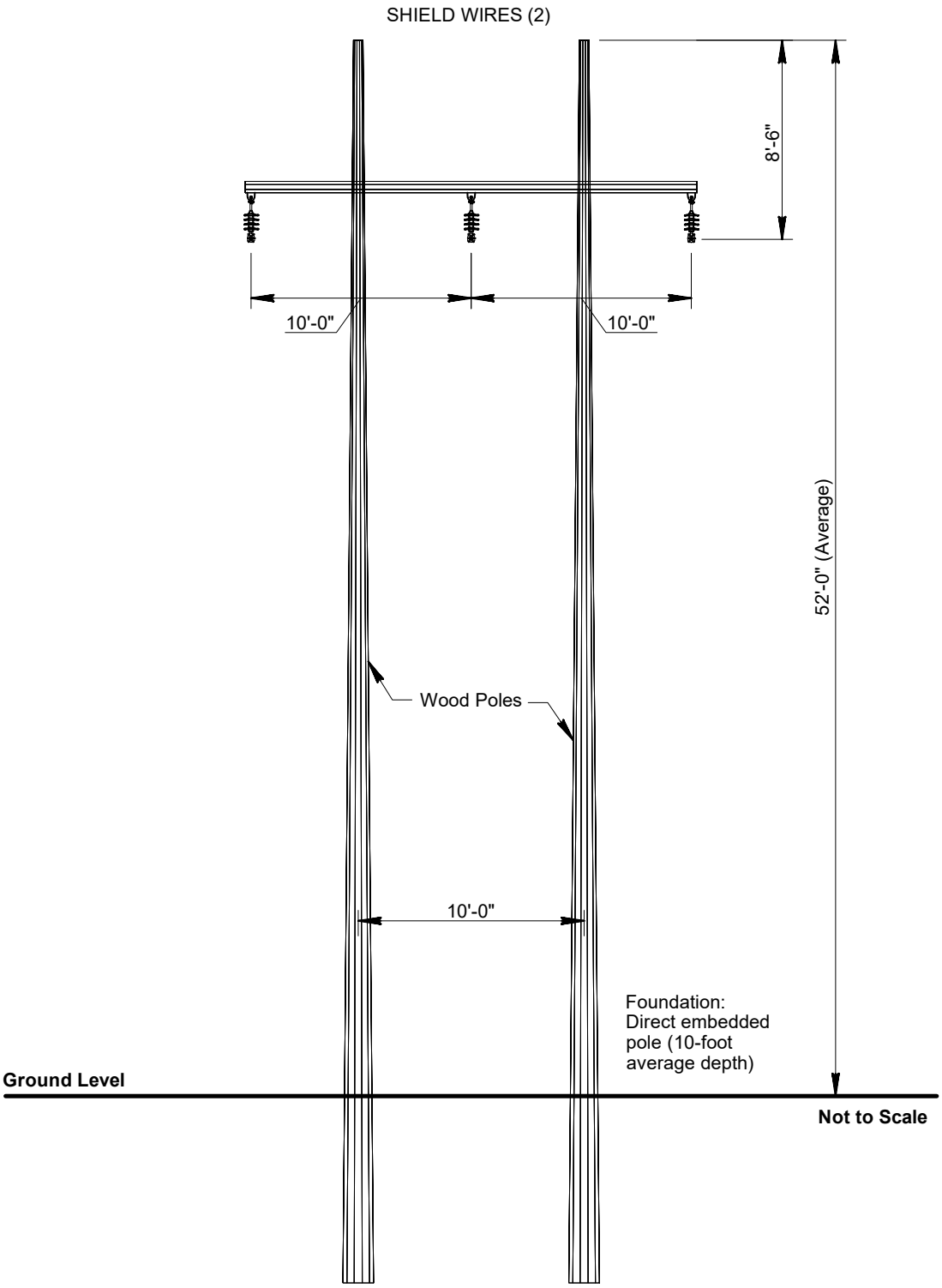

See Notes 1 and 2 on the Index Map
James River
Prop. Str. 432-5A
Prop. Height 73'
Ex. Str. 432-5
Ex. Height 50'
Prop. Str. 432-4A
Prop. Height 73'
Ex. Str. 432-4
Ex. Height 50'
Judith Creek
Bedford County
City of Lynchburg
Prop. Str. 432-3A
Prop. Height 73'
Ex. Str. 432-3
Ex. Height 60'
Ex. Str. 432-2
Ex. Height 55'
Prop. Str. 432-2A
Prop. Height 68'
Big Island - Reusens 69kV Line
Prop. Str. 432-1C
Prop. Height 65'
Harbor St
Old Trents Ferry Rd
Prop. Str. 432-1B
Prop. Height 65'
Ex. Str. 432-1
Ex. Height 55'
Ex. Str. 432-1A
Ex. Height 60'
Amherst - Reusens 69 kV
Dearington - Reusens 69 kV
Reusens - Scottsville - Bremo Bluff 138 kV
Blackwater - Reusens No. 1 3
Reusens Substation
Gomingo - Reusens 138 kV
Reusens - Roanoke 138 kV
Reusens - Altavista 138 kV
Proposed Structures: 432-1B to 432-5A
Existing Structures: 432-1 to 432-5
Existing AEP Substation
Proposed AEP Structure
Existing AEP Structure to be Removed
Proposed Route (On New Centerline)
Proposed Route (On Existing Centerline)
Existing AEP Transmission Line to be Removed
Existing AEP Transmission Line
Proposed Right of Way
Filing Corridor
Existing Natural Gas Line
Railroad
Stream (NHD)
Wetland (NWI)
Waterbody (NHD)
Architectural Resource (VDHR)
Parcel Boundary (within Filing Corridor)
Amherst and Bedford Counties, City of Lynchburg, Virginia
NAD 1983 StatePlane Virginia South FIPS 4502 Feet North America 1983
May 2026
Amherst
Bedford
Lynchburg City
Exhibit 2: GIS Constraint Map
Map 7 of 7
APPALACHIAN POWER
An AEP Company
Abert - Reusens Transmission Improvements Project
0 100 200 300 400
Feet

EXHIBIT 3: EXISTING 69-kV H-FRAME

EXHIBIT 3

EXISTING 69kV TRANSMISSION STRUCTURES (Page 1 of 3)

WOOD H-FRAME STRUCTURE (SINGLE CIRCUIT)

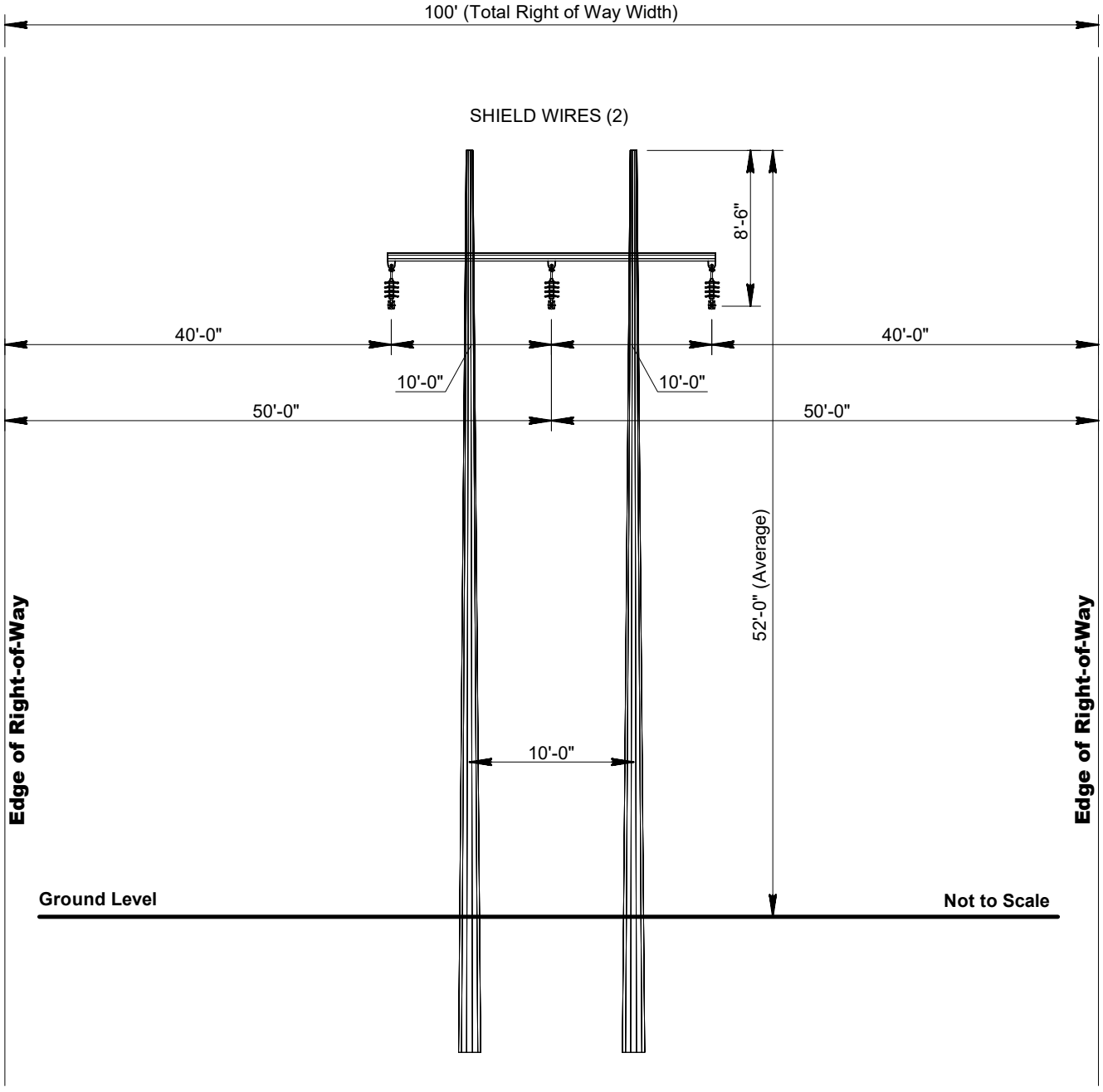


TYPICAL SCHEMATIC

EXHIBIT 3

EXISTING 69kV TRANSMISSION STRUCTURES (Page 2 of 3)

WOOD H-FRAME STRUCTURE (SINGLE CIRCUIT)



TYPICAL RIGHT-OF-WAY CROSS SECTION

WOOD H-FRAME STRUCTURE (SINGLE CIRCUIT)

COMPARABLE EXISTING STRUCTURE PHOTOGRAPH

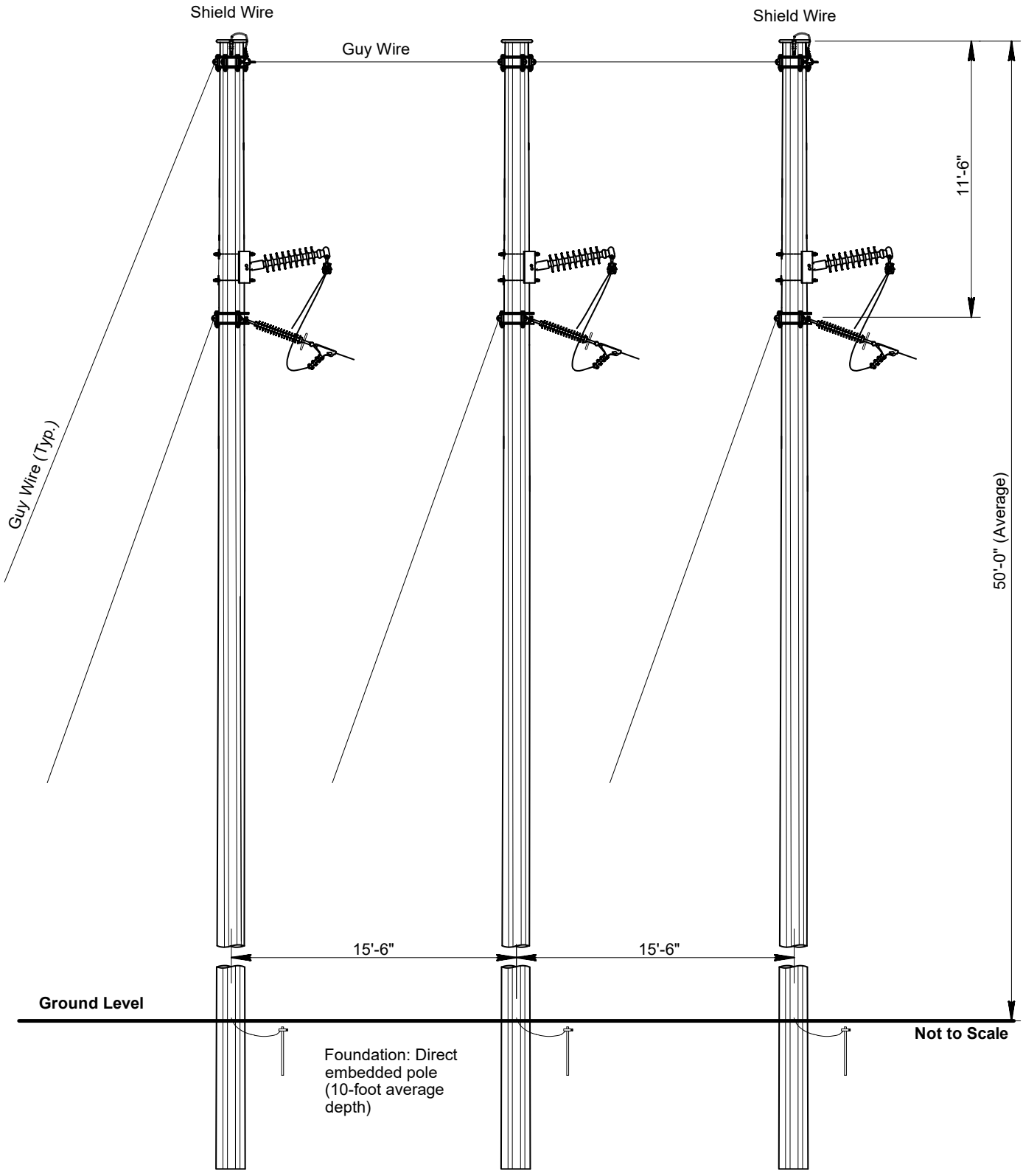
Note: The material for the existing typical structure is wood (as shown above).

EXHIBIT 4: EXISTING 69-kV THREE-POLE

EXHIBIT 4

EXISTING 69kV TRANSMISSION STRUCTURES (Page 1 of 3)

WOOD 3-POLE STRUCTURE (SINGLE CIRCUIT)

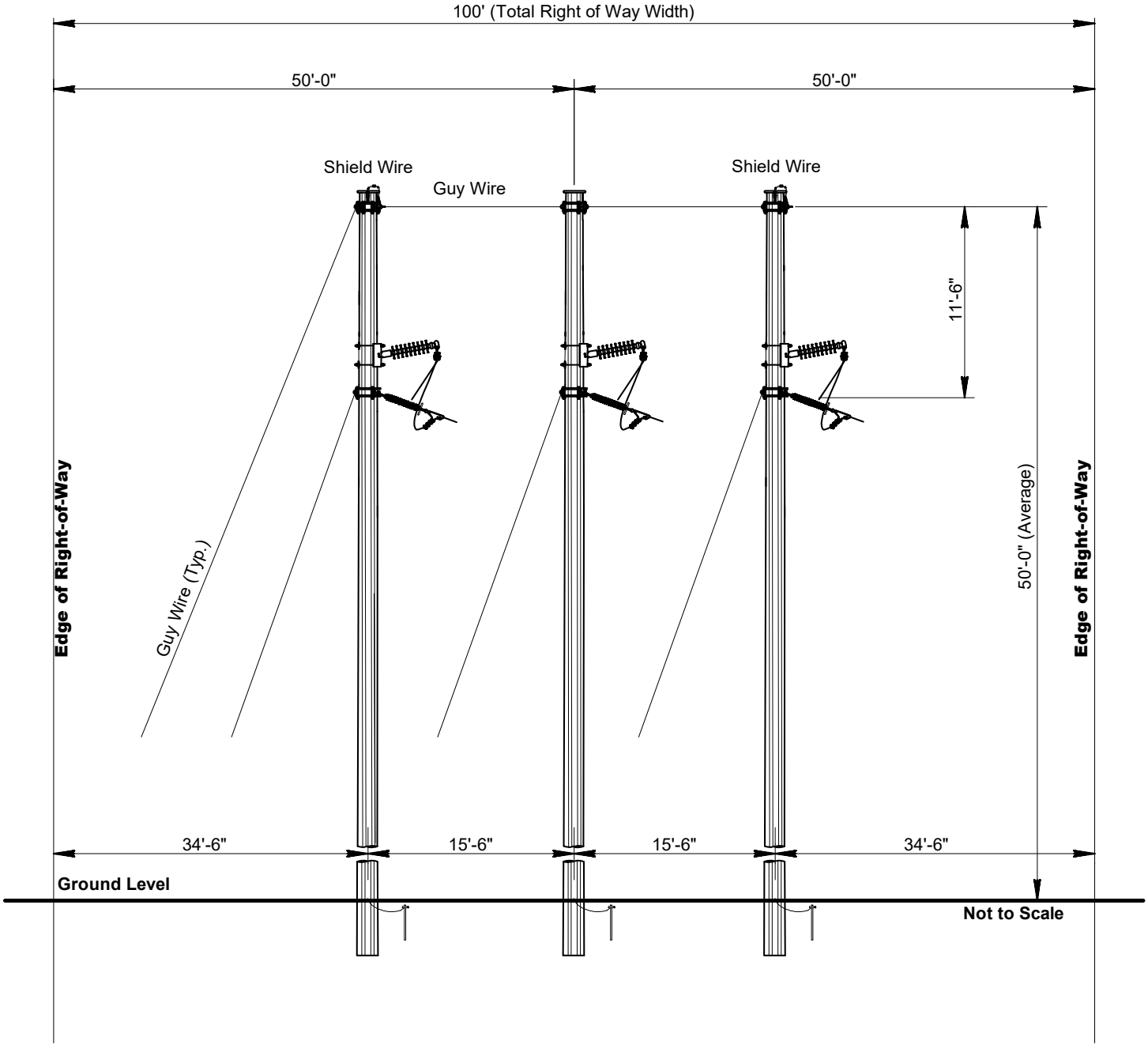


TYPICAL SCHEMATIC

EXHIBIT 4

EXISTING 69kV TRANSMISSION STRUCTURES (Page 2 of 3)

WOOD 3-POLE STRUCTURE (SINGLE CIRCUIT)



TYPICAL RIGHT-OF-WAY CROSS SECTION

EXHIBIT 4
EXISTING 69kV TRANSMISSION STRUCTURES (Page 3 of 3)
WOOD 3-POLE STRUCTURE (SINGLE CIRCUIT)

COMPARABLE EXISTING STRUCTURE PHOTOGRAPH

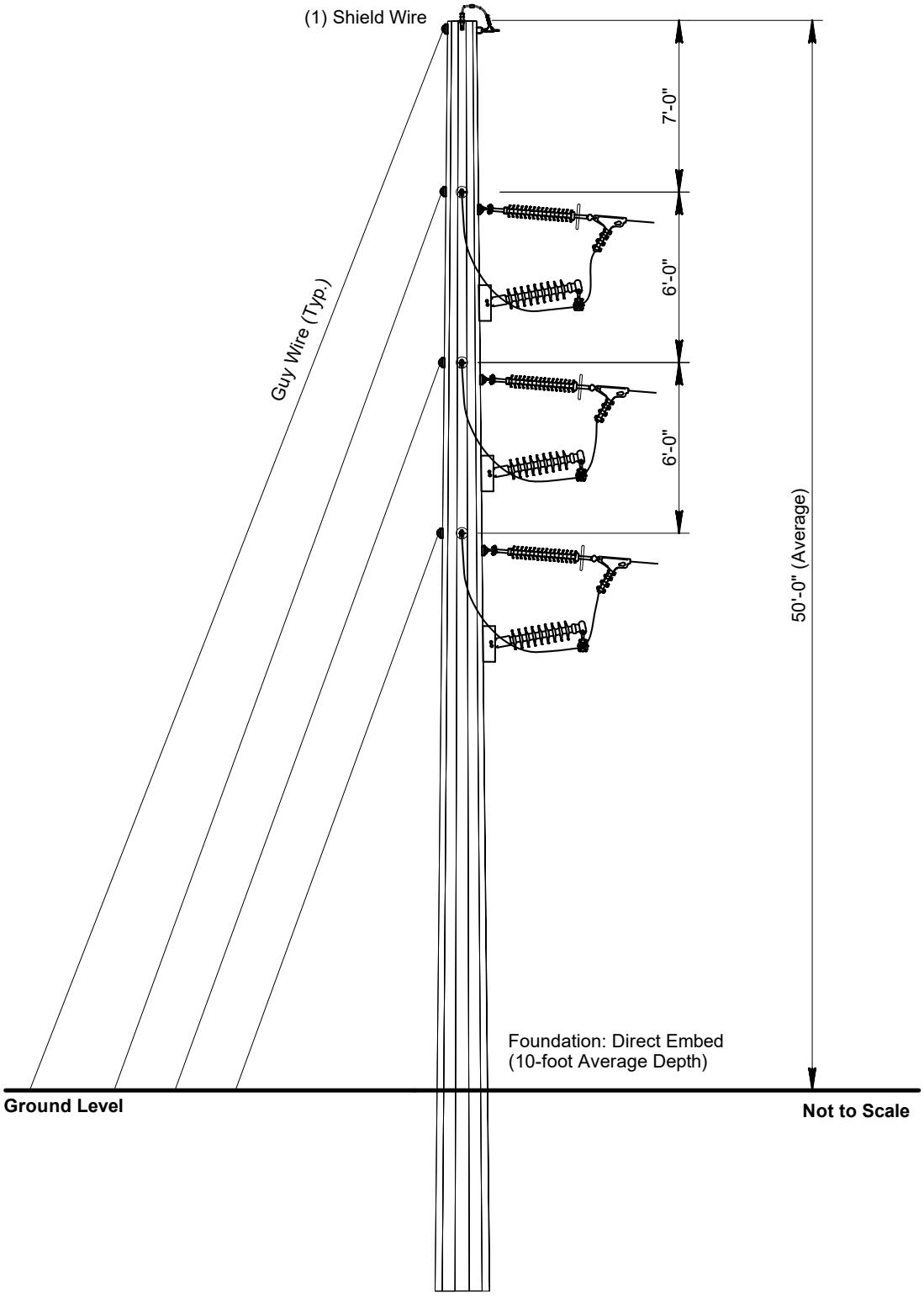
Note: The material for the existing typical structure is wood (as shown above).

EXHIBIT 5: EXISTING 69-KV MONOPOLE DEAD-END

EXHIBIT 5

EXISTING 69kV TRANSMISSION STRUCTURES (Page 1 of 3)

GUYED WOOD MONOPOLE DEAD-END STRUCTURE (SINGLE CIRCUIT)

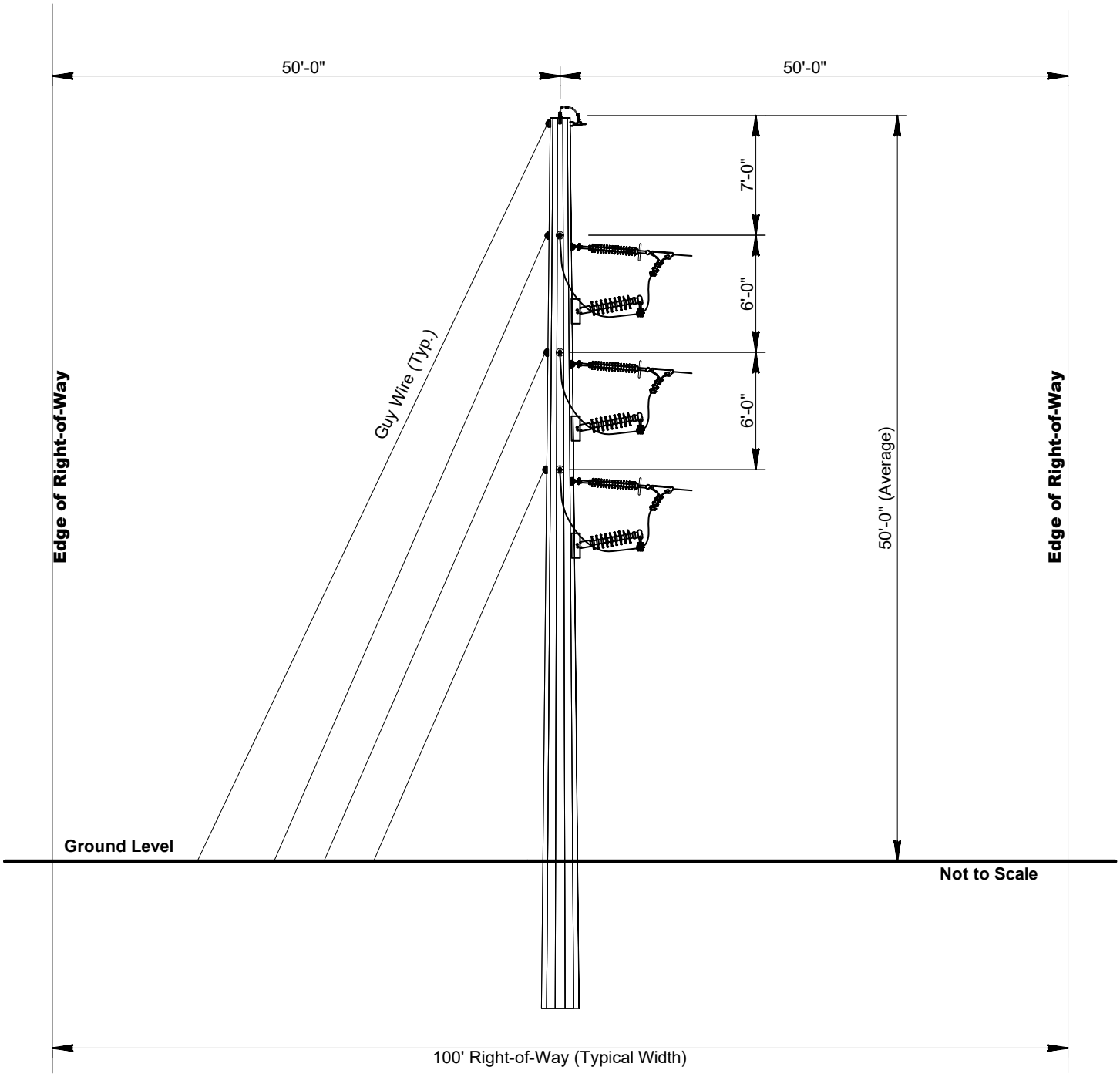


TYPICAL SCHEMATIC

EXHIBIT 5

EXISTING 69kV TRANSMISSION STRUCTURES (Page 2 of 3)

GUYED WOOD MONOPOLE DEAD-END STRUCTURE (SINGLE CIRCUIT)



TYPICAL RIGHT-OF-WAY CROSS SECTION

GUYED WOOD MONOPOLE DEAD-END STRUCTURE (SINGLE CIRCUIT)

COMPARABLE EXISTING STRUCTURE PHOTOGRAPH

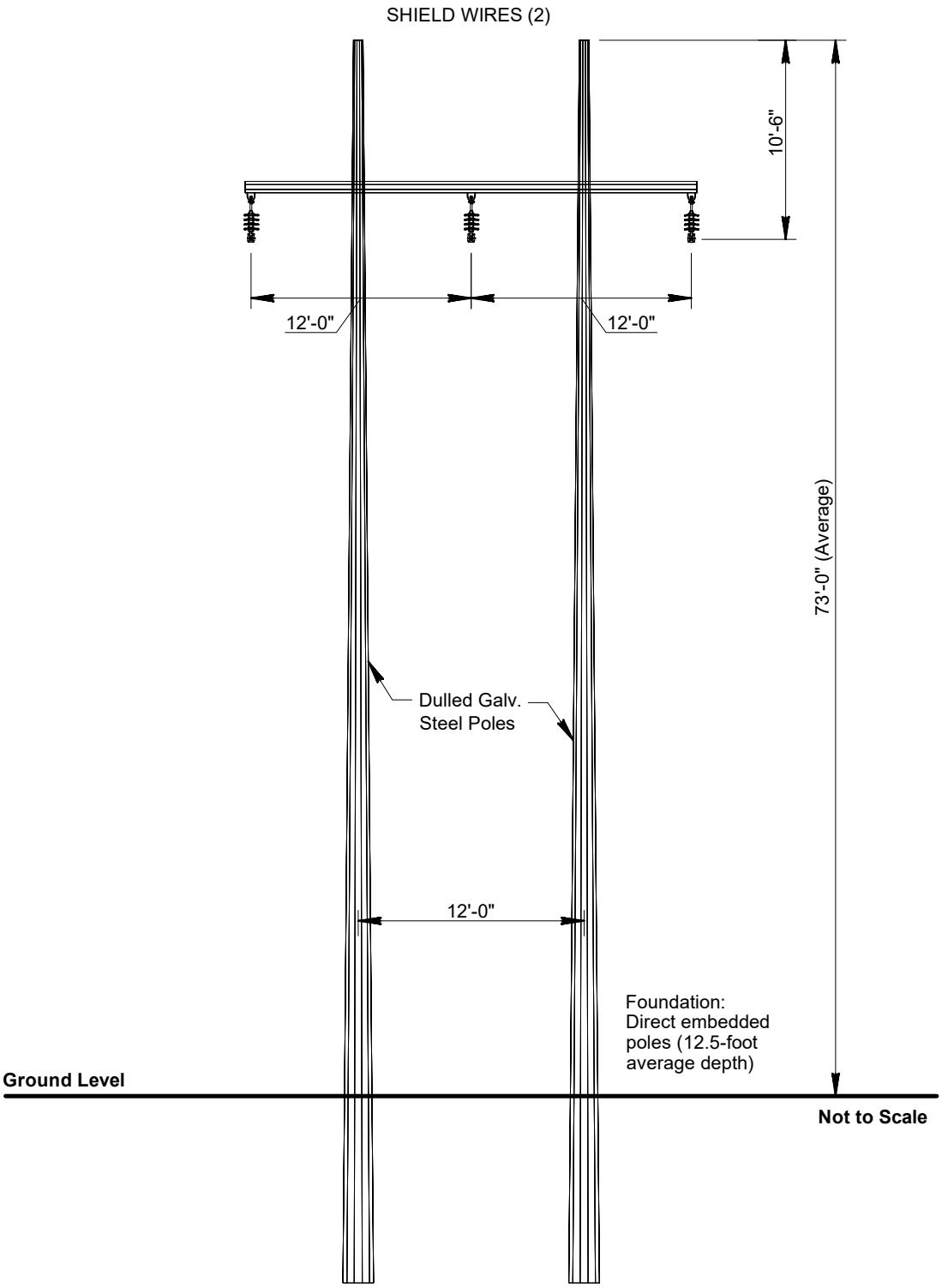
Note: The material for the existing typical structure is wood (as shown above).

EXHIBIT 6: PROPOSED 69-kV H-FRAME

EXHIBIT 6

PROPOSED 69kV TRANSMISSION STRUCTURES (Page 1 of 3)

DULLED GALVANIZED STEEL H-FRAME STRUCTURE (SINGLE CIRCUIT)

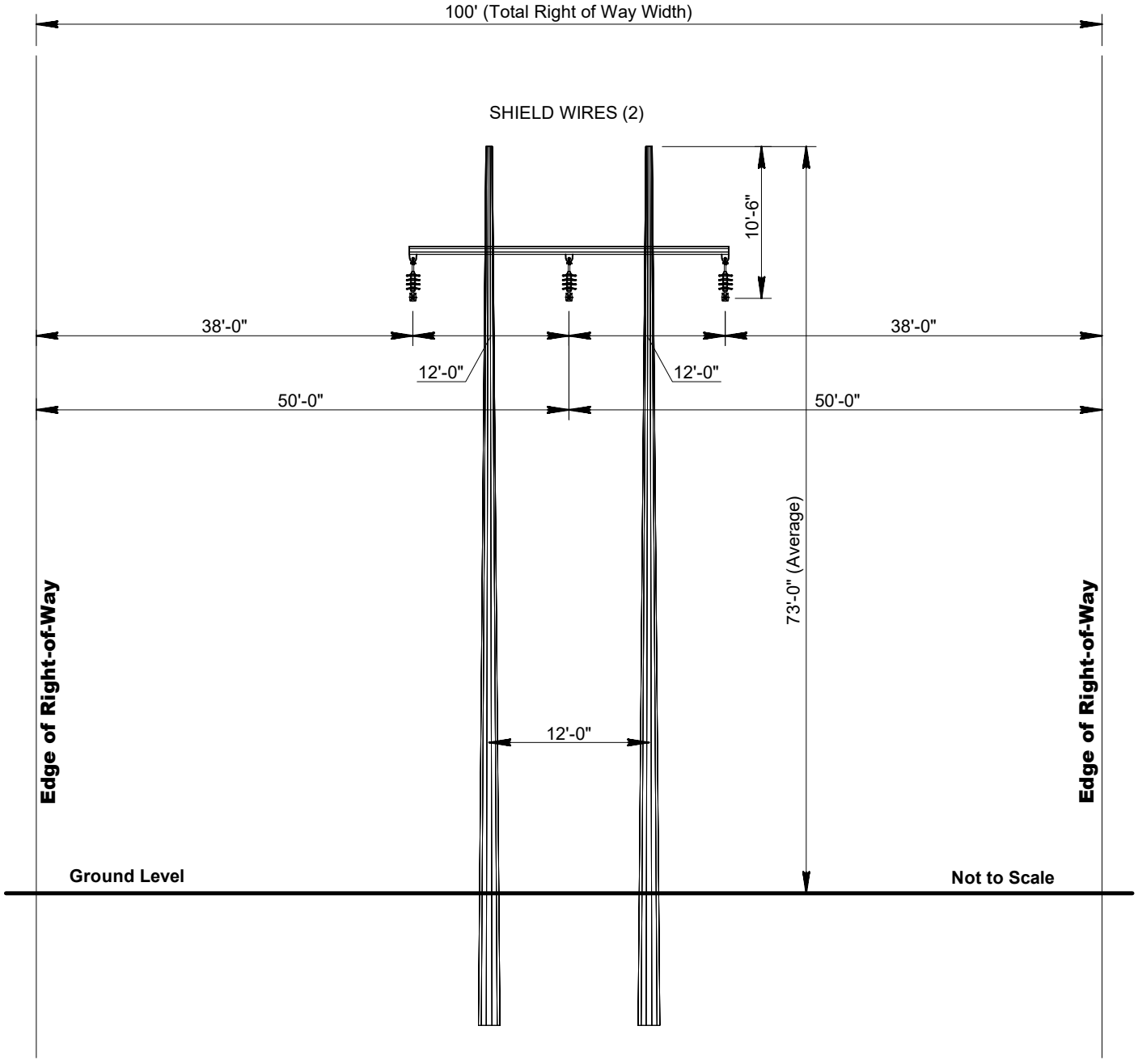


TYPICAL SCHEMATIC

EXHIBIT 6

PROPOSED 69kV TRANSMISSION STRUCTURES (Page 2 of 3)

DULLED GALVANIZED STEEL H-FRAME STRUCTURE (SINGLE CIRCUIT)



TYPICAL RIGHT-OF-WAY CROSS SECTION

DULLED GALVANIZED STEEL H-FRAME STRUCTURE (SINGLE CIRCUIT)

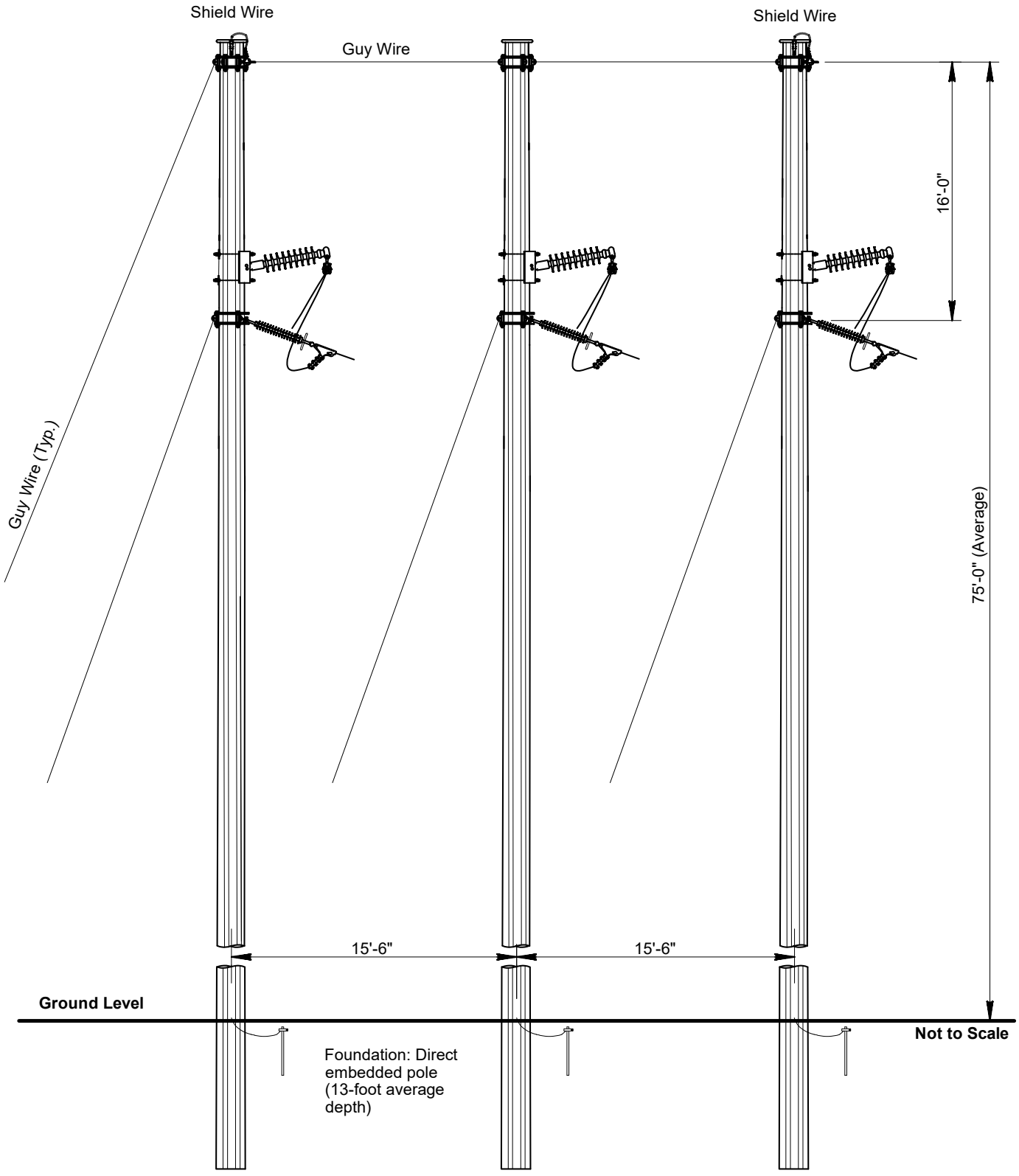
Note: The material for the proposed typical structure is dulled galvanized steel (as shown above).

EXHIBIT 7: PROPOSED 69-kV THREE-POLE

EXHIBIT 7

PROPOSED 69kV TRANSMISSION STRUCTURES (Page 1 of 3)

DULLED GALVANIZED STEEL 3-POLE STRUCTURE (SINGLE CIRCUIT)

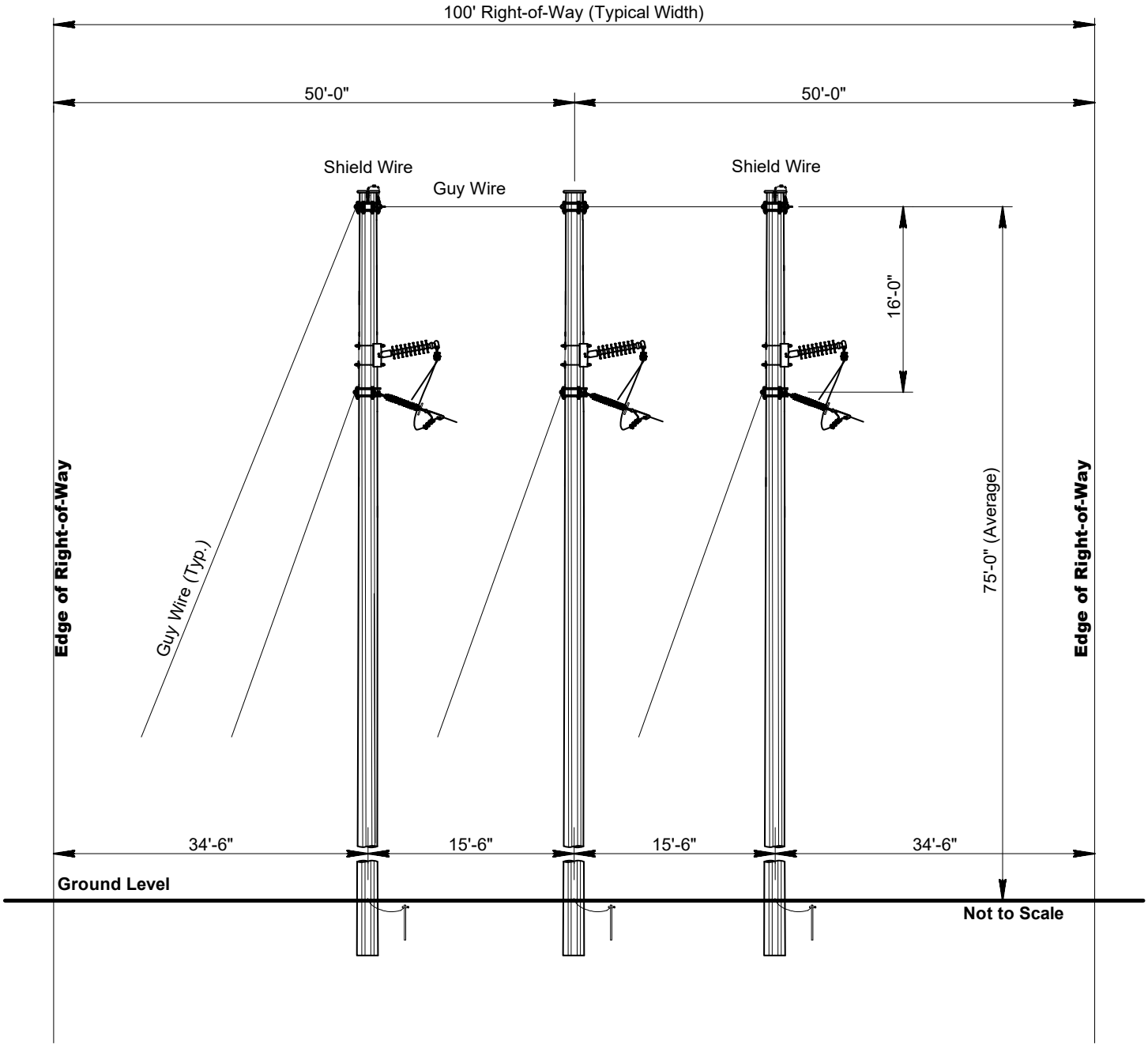


TYPICAL SCHEMATIC

EXHIBIT 7

PROPOSED 69kV TRANSMISSION STRUCTURES (Page 2 of 3)

DULLED GALVANIZED STEEL 3-POLE STRUCTURE (SINGLE CIRCUIT)



TYPICAL RIGHT-OF-WAY CROSS SECTION

DULLED GALVANIZED STEEL 3-POLE STRUCTURE (SINGLE CIRCUIT)

COMPARABLE EXISTING STRUCTURE PHOTOGRAPH

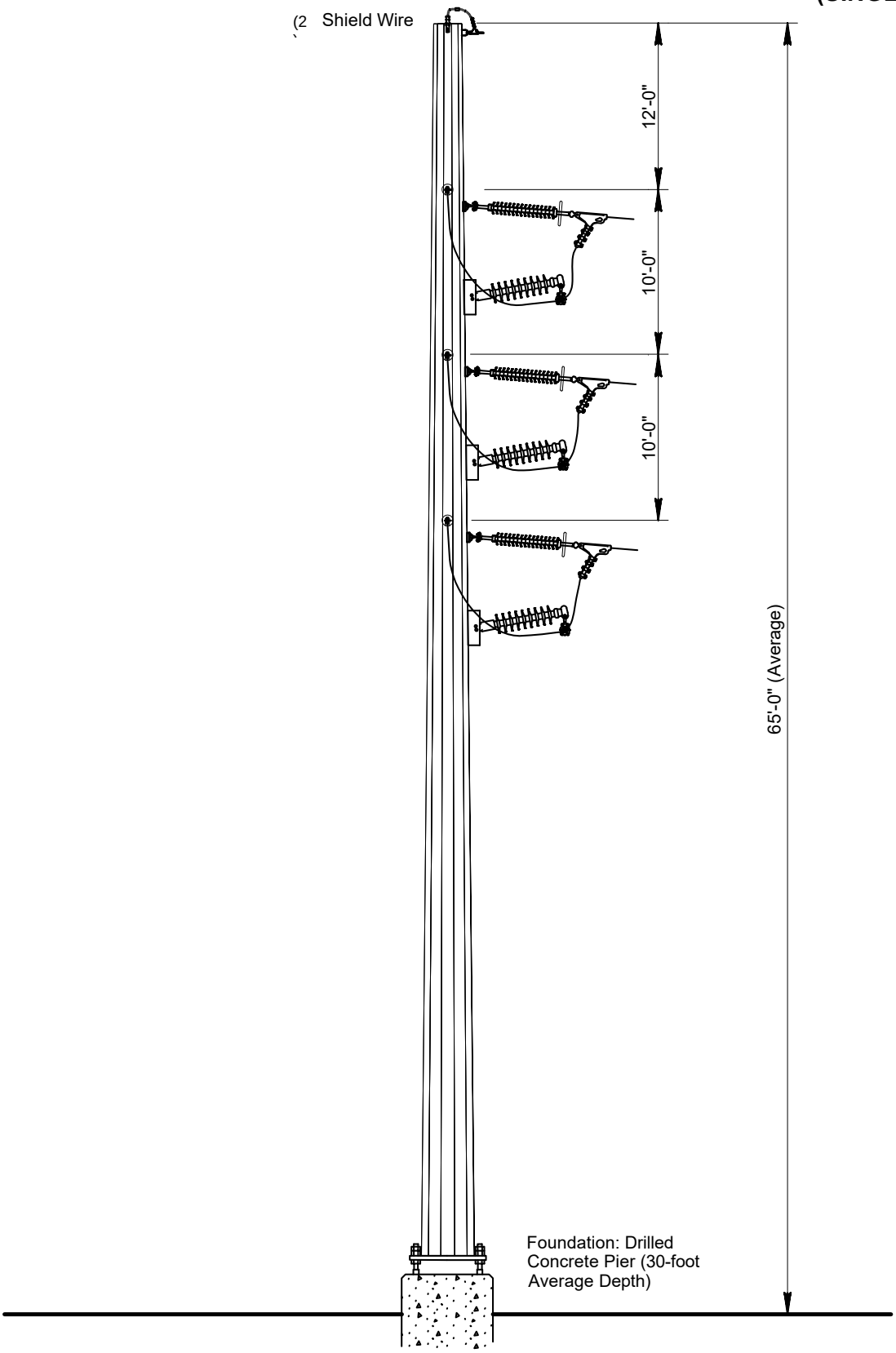
Note: The proposed material for the typical structure will be galvanized steel with a dulled finish (as shown above).

EXHIBIT 8: PROPOSED 69-kV MONOPOLE DEAD-END

EXHIBIT 8

PROPOSED 69kV TRANSMISSION STRUCTURES (Page 1 of 3)

DULLED GALVANIZED STEEL MONOPOLE DEAD-END STRUCTURE (SINGLE CIRCUIT)

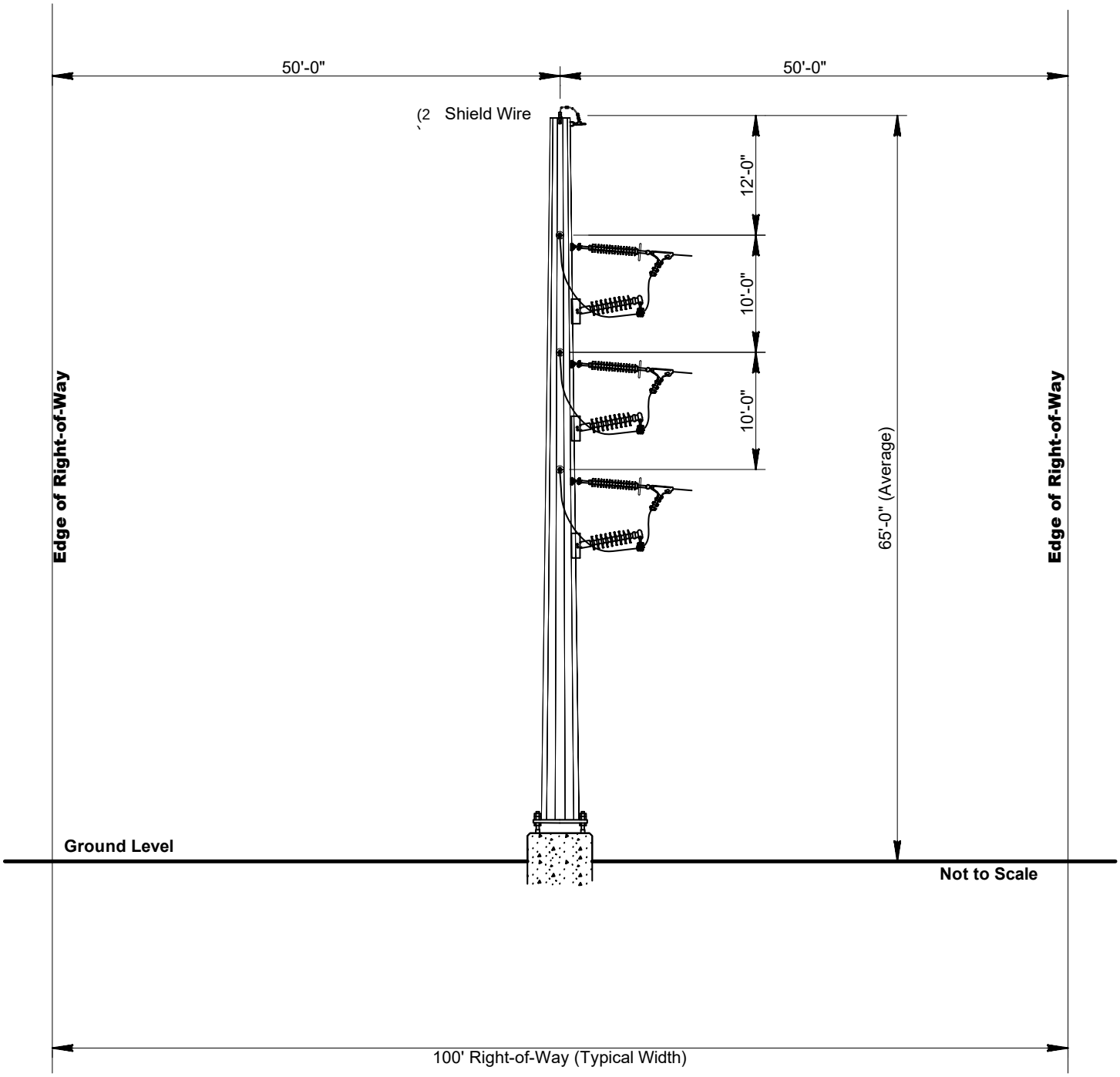


TYPICAL SCHEMATIC

EXHIBIT 8

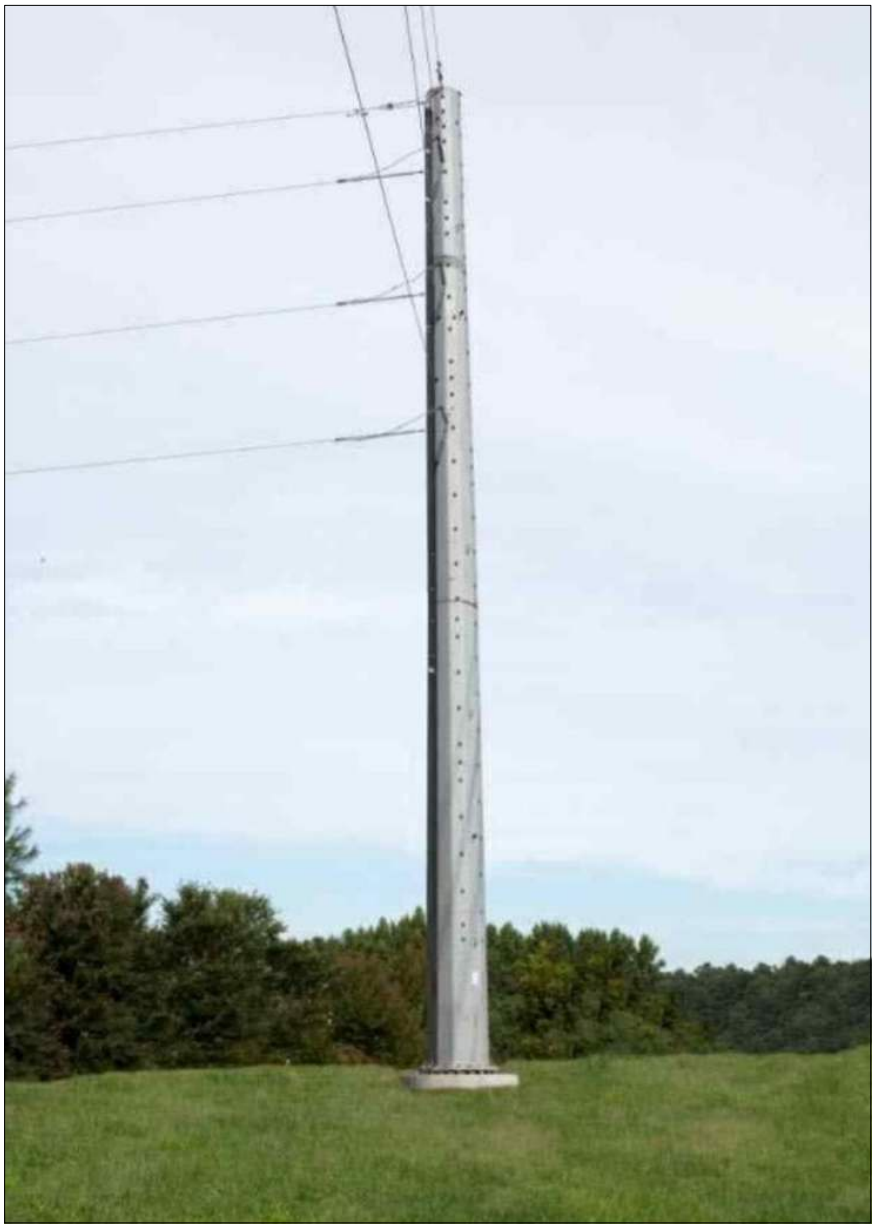
PROPOSED 69kV TRANSMISSION STRUCTURES (Page 2 of 3)

DULLED GALVANIZED STEEL MONOPOLE DEAD-END STRUCTURE (SINGLE CIRCUIT)



TYPICAL RIGHT-OF-WAY CROSS SECTION

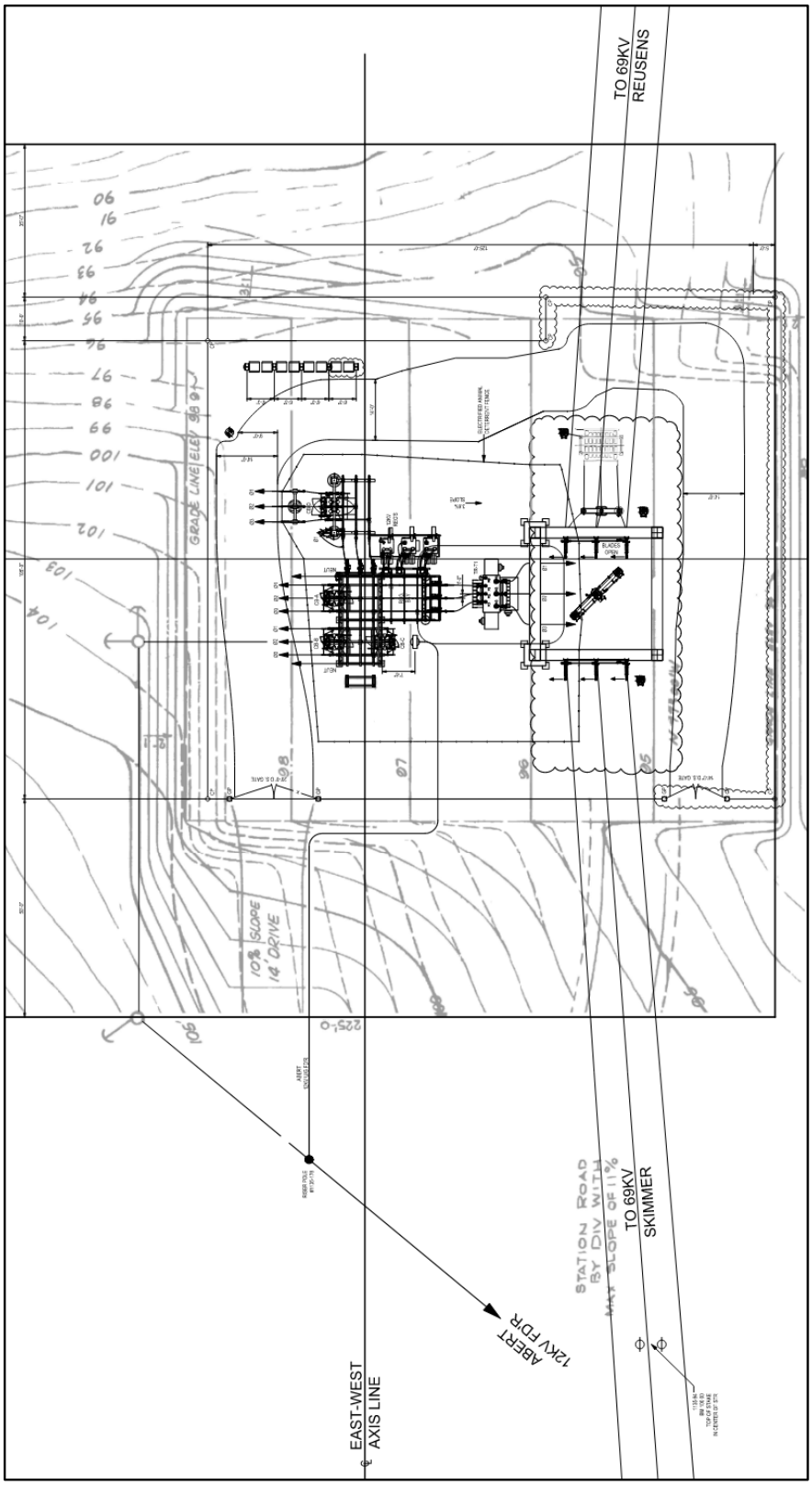
DULLED GALVANIZED STEEL MONOPOLE DEAD-END STRUCTURE (SINGLE CIRCUIT)



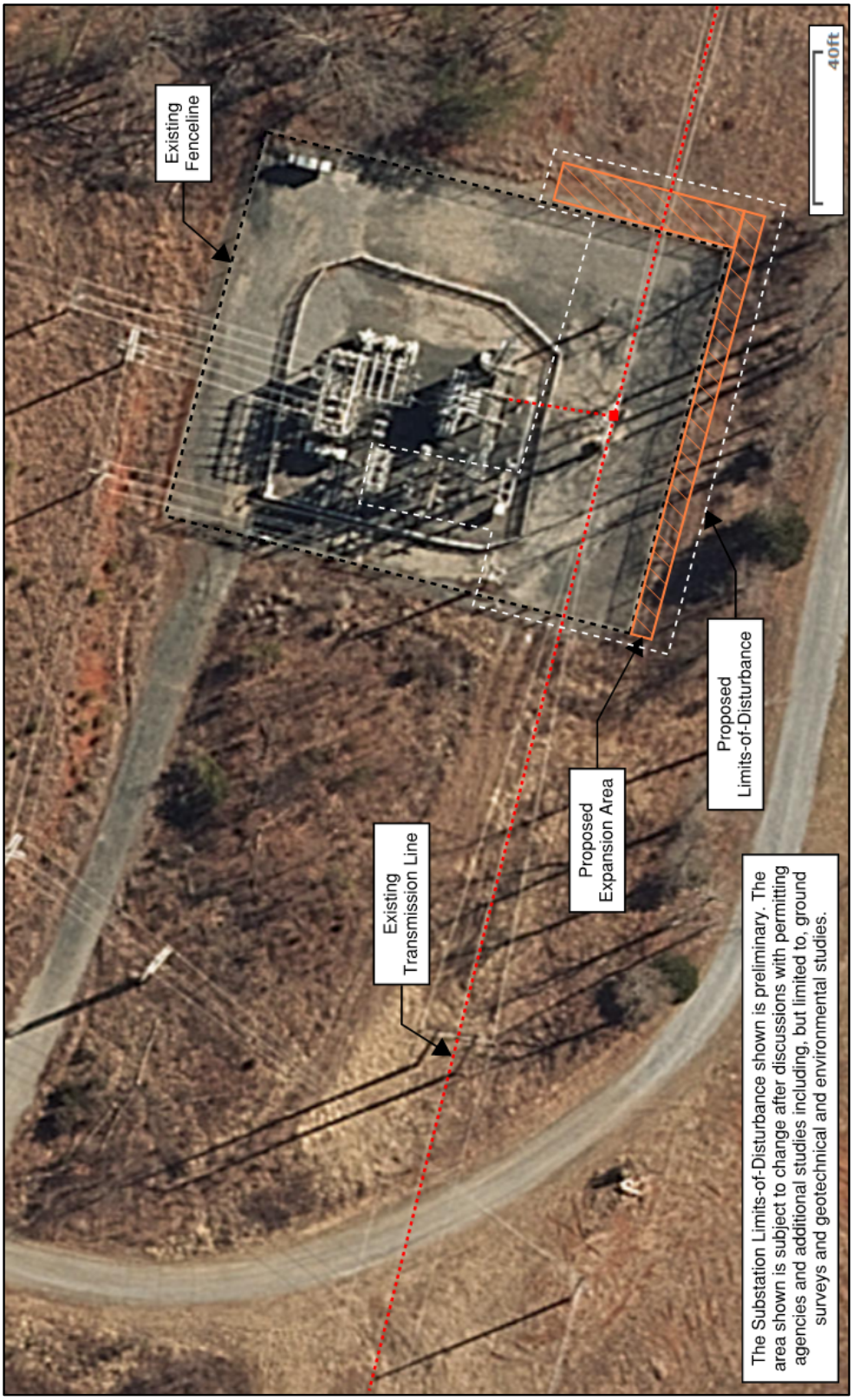
COMPARABLE EXISTING STRUCTURE PHOTOGRAPH

Note: The proposed material for the typical structure will be galvanized steel with a dulled finish (as shown above).

EXHIBIT 9: ABERT SUBSTATION LAYOUT, MAP, AND VIEWS



PROPOSED ABERT SUBSTATION LAYOUT



SUBSTATION LOCATION MAP

EXISTING ABERT SUBSTATION 69-kV YARD
(LOOKING NORTHEAST)

EXISTING ABERT SUBSTATION 69-kV YARD
(LOOKING NORTHWEST)

EXISTING ABERT SUBSTATION 69-kV YARD
(LOOKING SOUTHEAST)

CONFIDENTIAL INFORMATION

SEE VOLUME 3: CONFIDENTIAL APPENDIX – EXHIBIT 9-C

ABERT SUBSTATION ONE LINE DIAGRAM

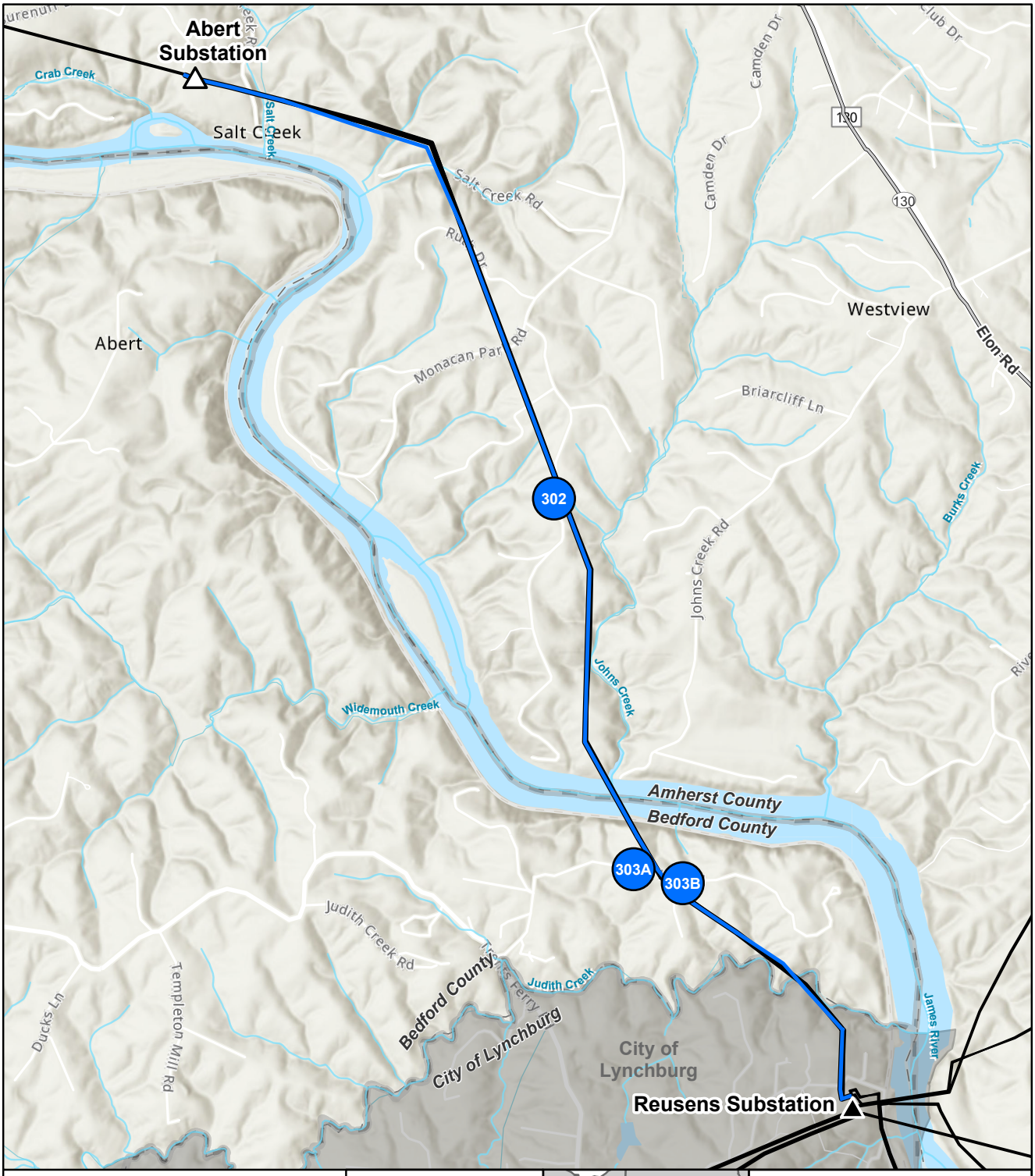
EXHIBIT 10: VDOT GENERAL HIGHWAY MAPS

CONFIDENTIAL INFORMATION

SEE VOLUME 3: CONFIDENTIAL APPENDIX – EXHIBIT 10-C

VDOT GENERAL HIGHWAY MAPS

EXHIBIT 11: VISUAL SIMULATIONS


Abert Substation
Crab Creek
Salt Creek
Salt Creek Rd
Abert
Monacan Par Rd
Camden Dr
Club Dr
130
Westview
Elon Rd
Briarcliff Ln
Burks Creek
302
Johns Creek Rd
Johns Creek
Widemouth Creek
Amherst County
Bedford County
303A
303B
Judith Creek Rd
Judith Creek
Bedford County
City of Lynchburg
City of Lynchburg
Reusens Substation
James River
Ducks Ln
Templeton Mill Rd
KOP Location
Existing AEP Substation
Existing AEP Substation to be Upgraded
Rebuild Route
Existing AEP Transmission Line
Amherst and Bedford Counties, City of Lynchburg Virginia
NAD 1983 StatePlane Virginia South FIPS 4502 Feet North America 1983
May 2026
Virginia
Project Location Map
Abert - Reusens Transmission Improvements Project
0 1,000 2,000 3,000 4,000
US Feet

Abert-Reusens

Abert-Reusens 69-kV Rebuild Project

Appalachian Power

Amherst County, Virginia

APPALACHIAN POWER
An AEP Company

KOP 302

351 Burgess Rd

Proposed Route

Date: 01/13/2026

Time: 11:21 am

Viewing Direction: North

Distance to closest feature: 195 feet

Note: Project components illustrated are based on proposed preliminary designs. The images contained on this page show the proposed project within a wider landscape context and are not representative of scale and distance when viewed from the actual view point.

Abert-Reusens

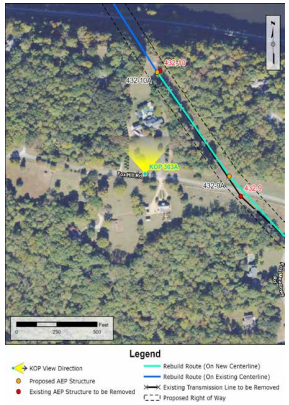
Abert-Reusens 69-kV Rebuild Project
Appalachian Power
Bedford County, Virginia

APPALACHIAN POWER
An AEP Company

KOP 303A

1662 Fox Hill Rd

Proposed Route
Date: 01/13/2026
Time: 2:52 pm
Viewing Direction: East
Distance to closest feature: 469 feet



Note: Project components illustrated are based on proposed preliminary designs. The images contained on this page show the proposed project within a wider landscape context and are not representative of scale and distance when viewed from the actual view point.

Abert-Reusens

Abert-Reusens 69-kV Rebuild Project
Appalachian Power
Bedford County, Virginia

APPALACHIAN POWER
An AEP Company

KOP 303B

Fox Hill Rd and
Fox Meadows Rd

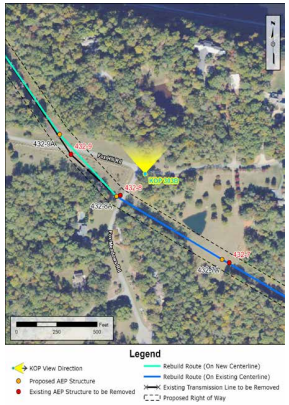
Proposed Route

Date: 01/13/2026

Time: 3:04 pm

Viewing Direction: West

Distance to closest feature: 207 feet



Note: Project components illustrated are based on proposed preliminary designs. The images contained on this page show the proposed project within a wider landscape context and are not representative of scale and distance when viewed from the actual view point.

EXHIBIT 12: PUBLIC NOTICE MAP

Abert-Reusens
Transmission Improvements Project

APPALACHIAN POWER
An AEP Company