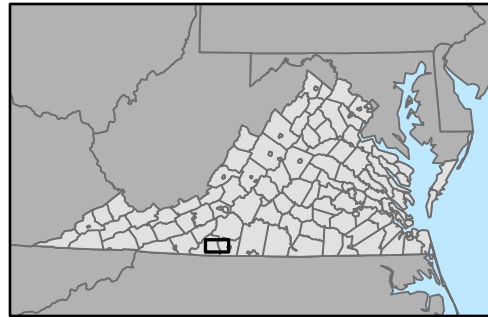
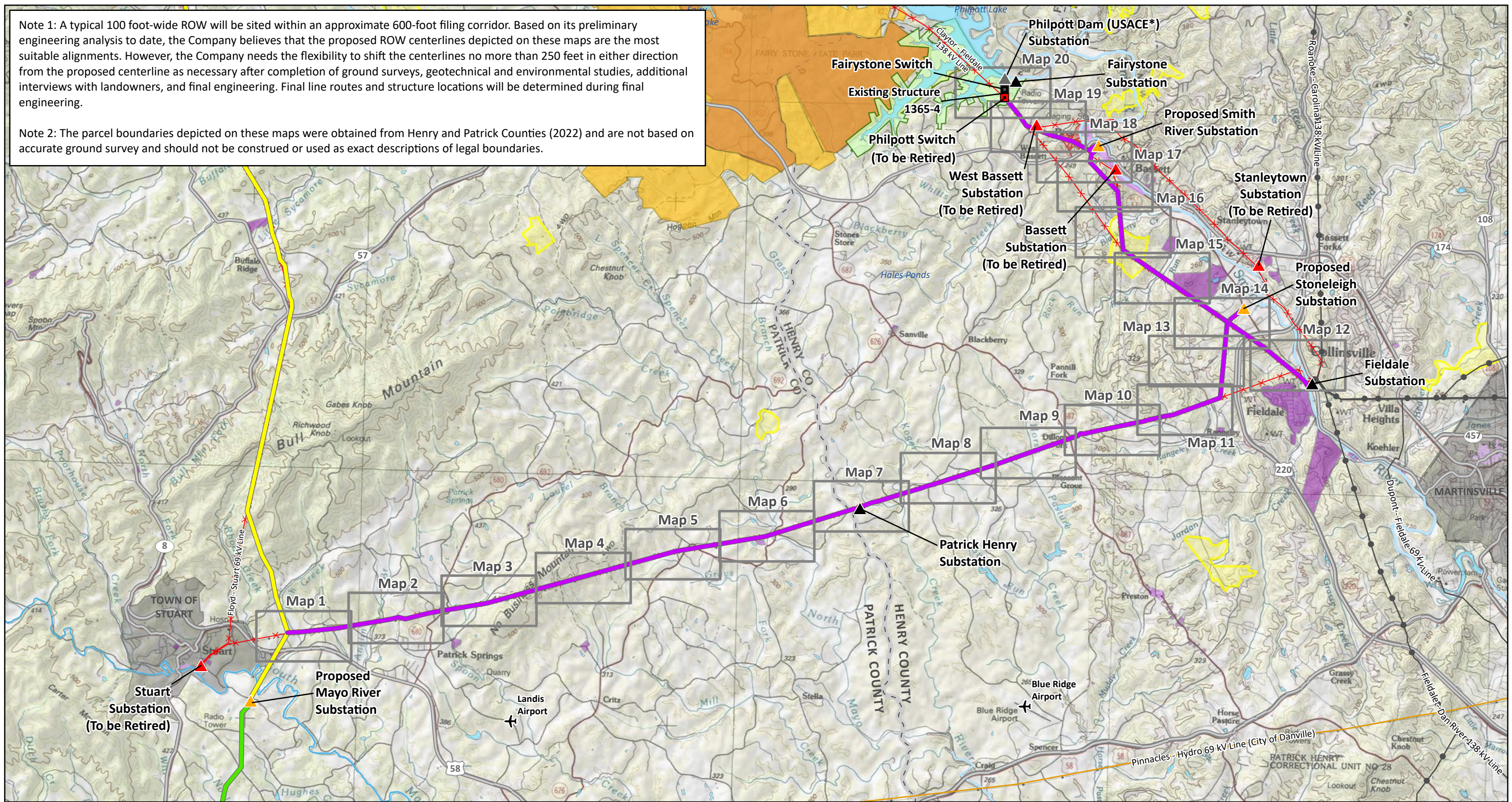


Note 1: A typical 100 foot-wide ROW will be sited within an approximate 600-foot filing corridor. Based on its preliminary engineering analysis to date, the Company believes that the proposed ROW centerlines depicted on these maps are the most suitable alignments. However, the Company needs the flexibility to shift the centerlines no more than 250 feet in either direction from the proposed centerline as necessary after completion of ground surveys, geotechnical and environmental studies, additional interviews with landowners, and final engineering. Final line routes and structure locations will be determined during final engineering.

Note 2: The parcel boundaries depicted on these maps were obtained from Henry and Patrick Counties (2022) and are not based on accurate ground survey and should not be construed or used as exact descriptions of legal boundaries.



Proposed APCo Substation	Component 3 Proposed Route	Airport	Local Conservancy
Existing APCo Substation	Component 1 Proposed Route	Highway	Philpott Lake Recreation Area (USACE)
Existing APCo Substation to be Retired	Component 2 Proposed Route	Stream (NHD)	Historic District (VDHR)
Non-APCo Generation Facility	Existing APCo Transmission Line (69 kv or lower)	River (NHD)	Architectural Resource (VDHR)
Existing Switch Station	Existing APCo Transmission Line (115 kv - 230 kv)	Waterbody (NHD)	Town Boundary
Existing Switch Station to be Retired	Existing Non-APCo Transmission Line	State Conservation Land	County Boundary
	Existing Transmission Line to be Retired	VOF Easement	Map Tile

* USACE = U.S. Army Corps of Engineers

Patrick & Henry Counties,
Virginia

Date: 7/10/2023; Author: ckunde; Project: 158529

Miles

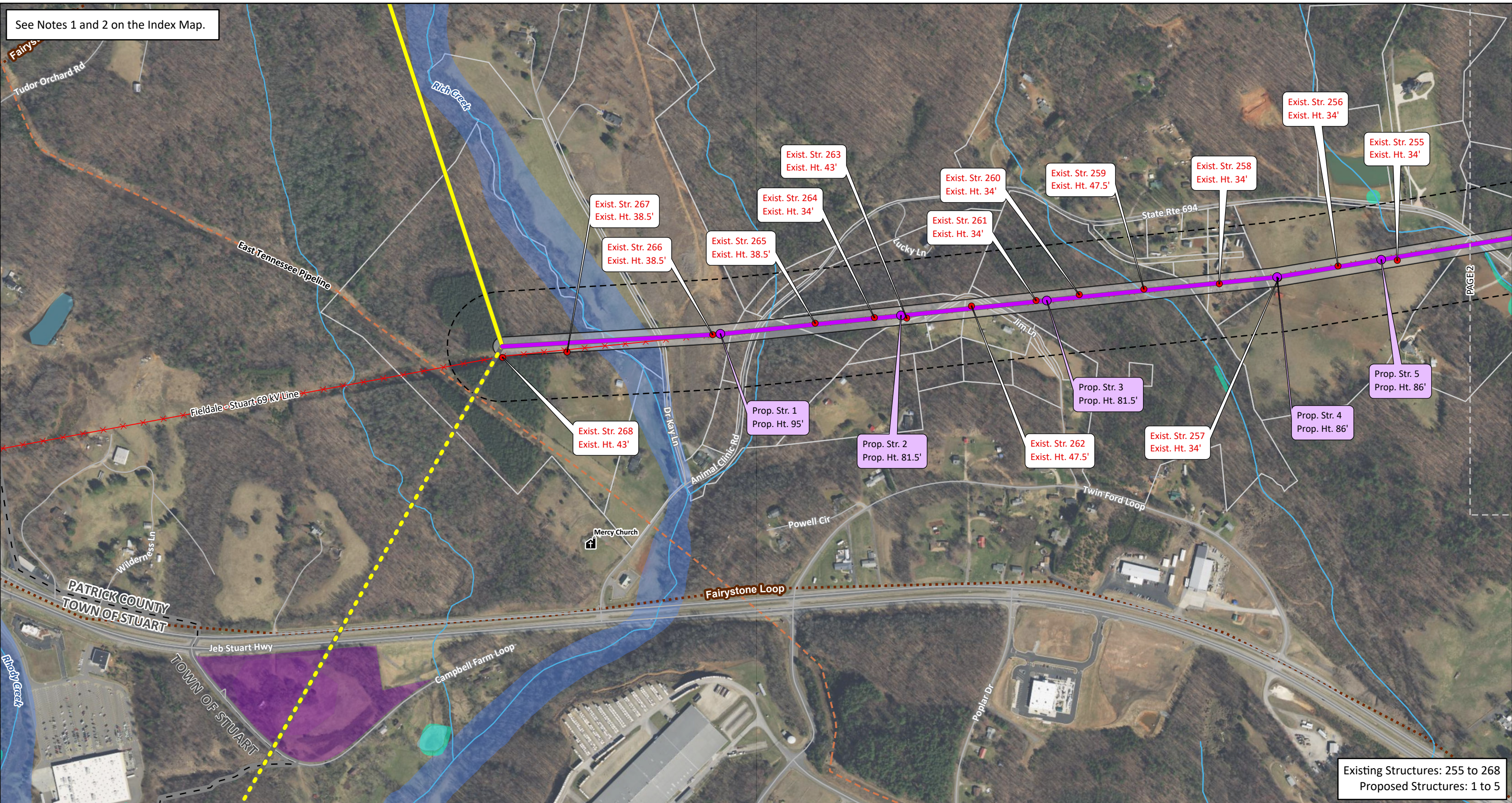
INDEX

Exhibit 9: Component 3 GIS Constraints Map

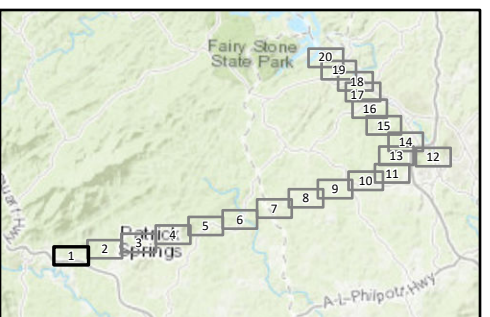
Stuart Area Transmission
Improvements Project:
Component 3:
Mayo River (Stuart)
to Bassett Area
Transmission Improvements

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See Notes 1 and 2 on the Index Map.



Existing Structures: 255 to 268
Proposed Structures: 1 to 5

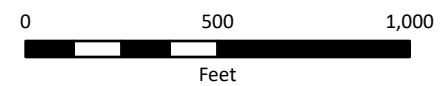


- Proposed Structure
- Existing APCo Structure to be Removed
- Component 3 Proposed Route (Single Circuit)
- Component 2 Proposed Route (Single Circuit)
- Component 2 Proposed Route (Double Circuit)
- ✕ Existing Transmission Line to be Retired
- Proposed Right-of-Way (100')
- Filing Corridor (See Note 1)
- ⛪ Place of Worship
- Road
- Natural Gas Pipeline
- Recreation Trail
- Stream (NHD)
- Waterbody (NHD)
- Wetland (NWI)
- Floodplain
- Architectural Resource (VDHR)
- Town Boundary
- Parcel Boundary (See Note 2)
- Map Tile



Patrick & Henry Counties,
Virginia

Date: 5/4/2023; Author: elundy; Project: 158529



Map 1 of 20

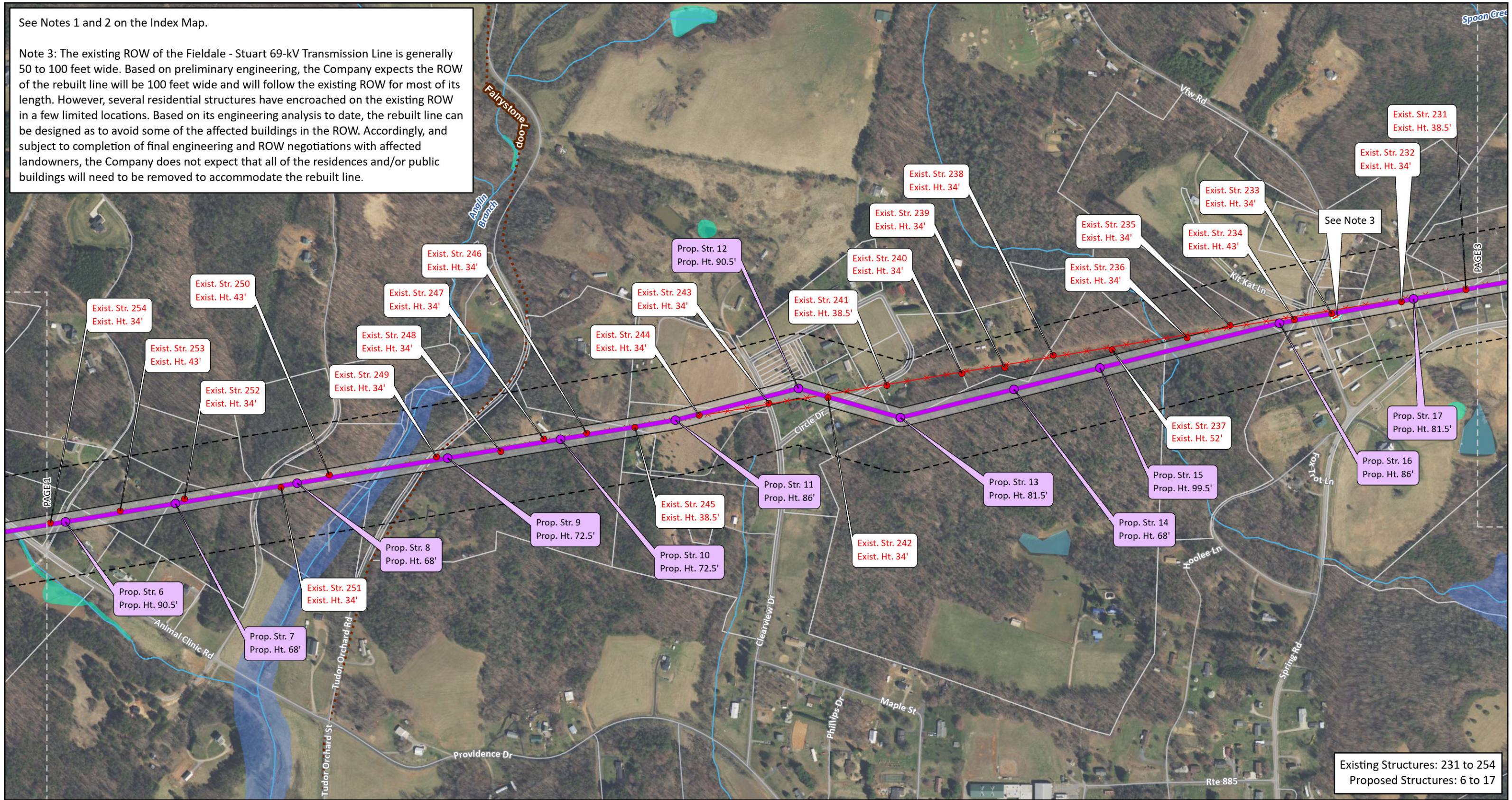
Exhibit 9: Component 3 GIS Constraints Map



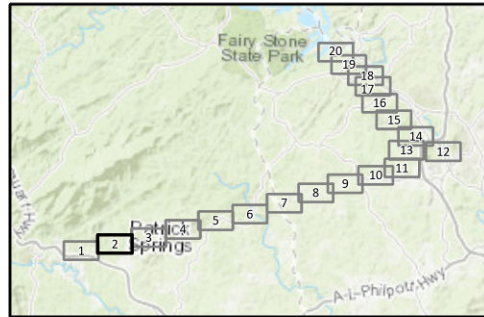
Stuart Area Transmission
Improvements Project:
Component 3:
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to Bassett Area
Transmission Improvements

See Notes 1 and 2 on the Index Map.


Note 3: The existing ROW of the Fieldale - Stuart 69-kV Transmission Line is generally 50 to 100 feet wide. Based on preliminary engineering, the Company expects the ROW of the rebuilt line will be 100 feet wide and will follow the existing ROW for most of its length. However, several residential structures have encroached on the existing ROW in a few limited locations. Based on its engineering analysis to date, the rebuilt line can be designed as to avoid some of the affected buildings in the ROW. Accordingly, and subject to completion of final engineering and ROW negotiations with affected landowners, the Company does not expect that all of the residences and/or public buildings will need to be removed to accommodate the rebuilt line.



Existing Structures: 231 to 254
Proposed Structures: 6 to 17

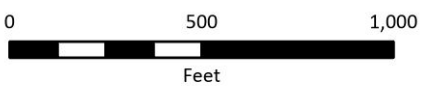


- Proposed Structure
- Existing APCo Structure to be Removed
- Component 3 Proposed Route (Single Circuit)
- X-X Existing Transmission Line to be Retired
- Proposed Right-of-Way (100')
- Filing Corridor (See Note 1)
- Residential Structure (within proposed 100' ROW) (See Note 3)
- Road
- Recreation Trail
- Stream (NHD)
- Waterbody (NHD)
- Wetland (NWI)
- Floodplain
- Parcel Boundary (See Note 2)
- Map Tile



Patrick & Henry Counties,
Virginia


Date: 5/4/2023; Author: elundy; Project: 158529



Map 2 of 20

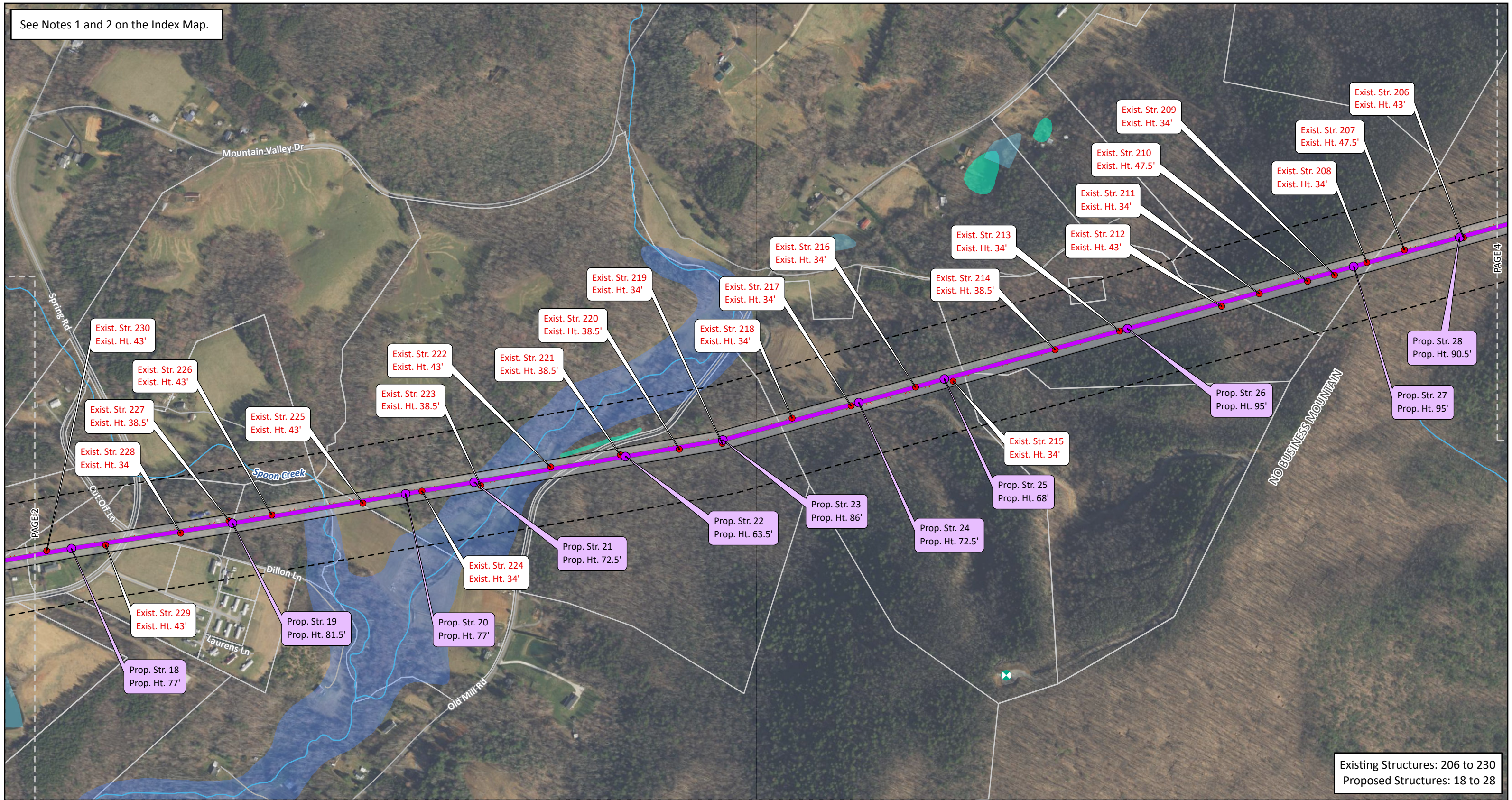
Exhibit 9: Component 3 GIS Constraints Map

Stuart Area Transmission
Improvements Project:
Component 3:
Mayo River (Stuart)
to Bassett Area
Transmission Improvements

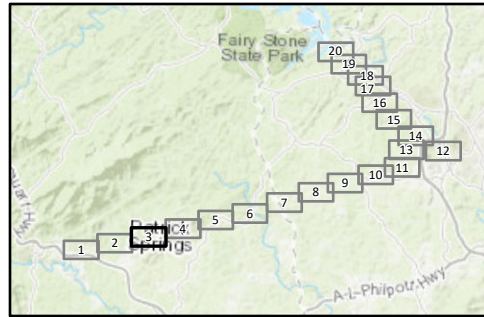


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See Notes 1 and 2 on the Index Map.



Existing Structures: 206 to 230
Proposed Structures: 18 to 28



<ul style="list-style-type: none"> ● Proposed Structure ● Existing APCo Structure to be Removed — Component 3 Proposed Route (Single Circuit) X-X Existing Transmission Line to be Retired 	<ul style="list-style-type: none"> Proposed Right-of-Way (100') Filing Corridor (See Note 1) ⊗ Cell Tower (FCC) Road Stream (NHD) 	<ul style="list-style-type: none"> Waterbody (NHD) Wetland (NWI) Floodplain Parcel Boundary (See Note 2) Map Tile
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Patrick & Henry Counties,
Virginia

Date: 5/4/2023; Author: elundy; Project: 158529

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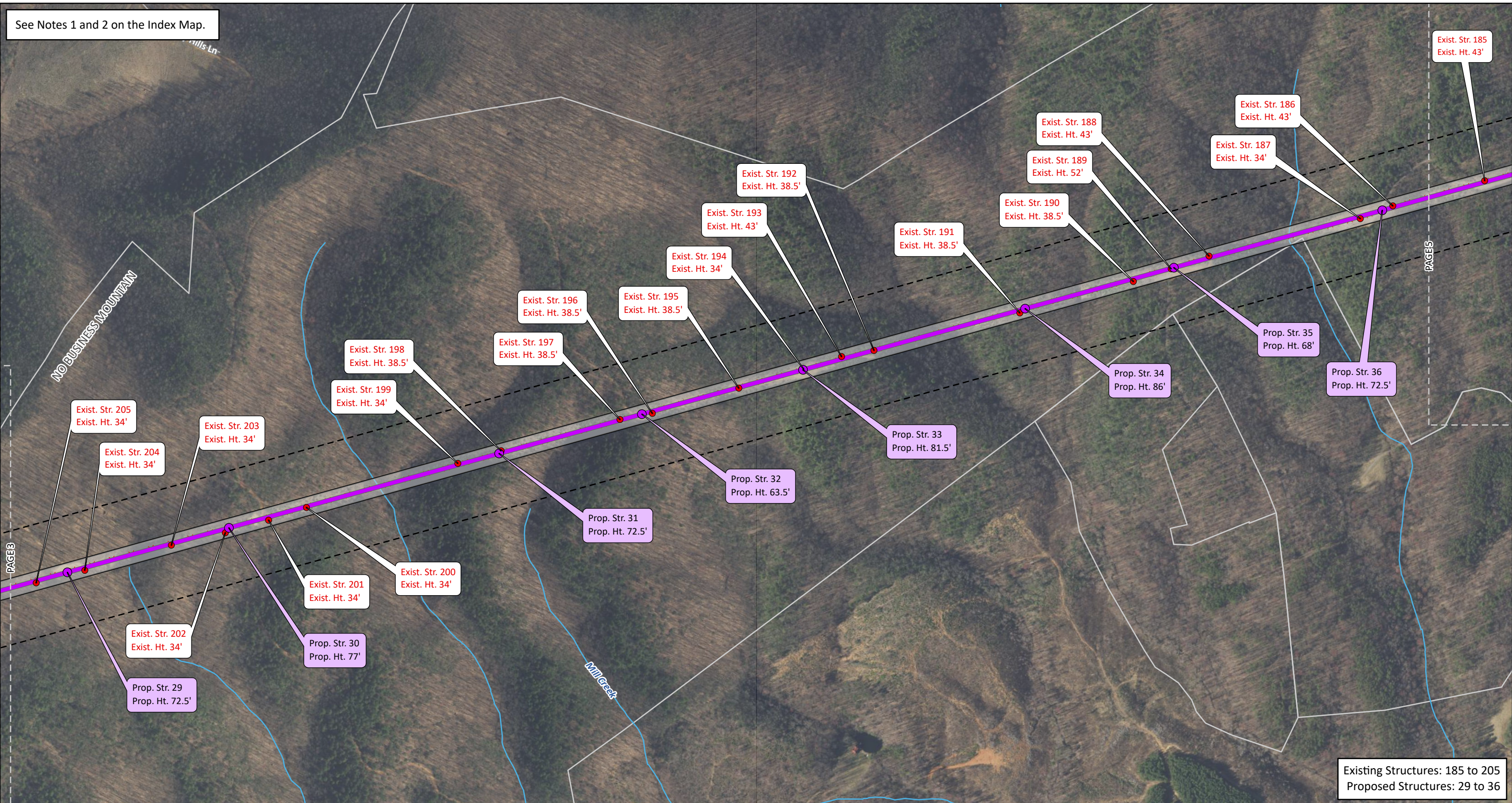
Exhibit 9: Component 3 GIS Constraints Map

Stuart Area Transmission
Improvements Project:
Component 3:
Mayo River (Stuart)
to Bassett Area
Transmission Improvements

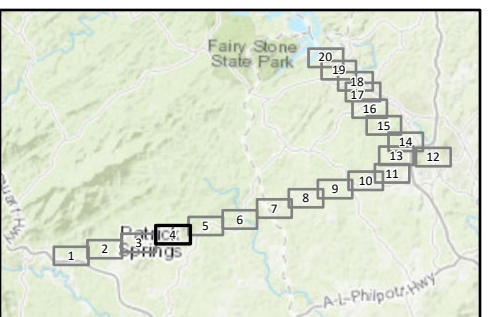


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See Notes 1 and 2 on the Index Map.



Existing Structures: 185 to 205
Proposed Structures: 29 to 36



Proposed Structure	Filing Corridor (See Note 1)
Existing APCo Structure to be Removed	Road
Component 3 Proposed Route (Single Circuit)	Stream (NHD)
Existing Transmission Line to be Retired	Parcel Boundary (See Note 2)
Proposed Right-of-Way (100')	Map Tile

Patrick & Henry Counties,
Virginia

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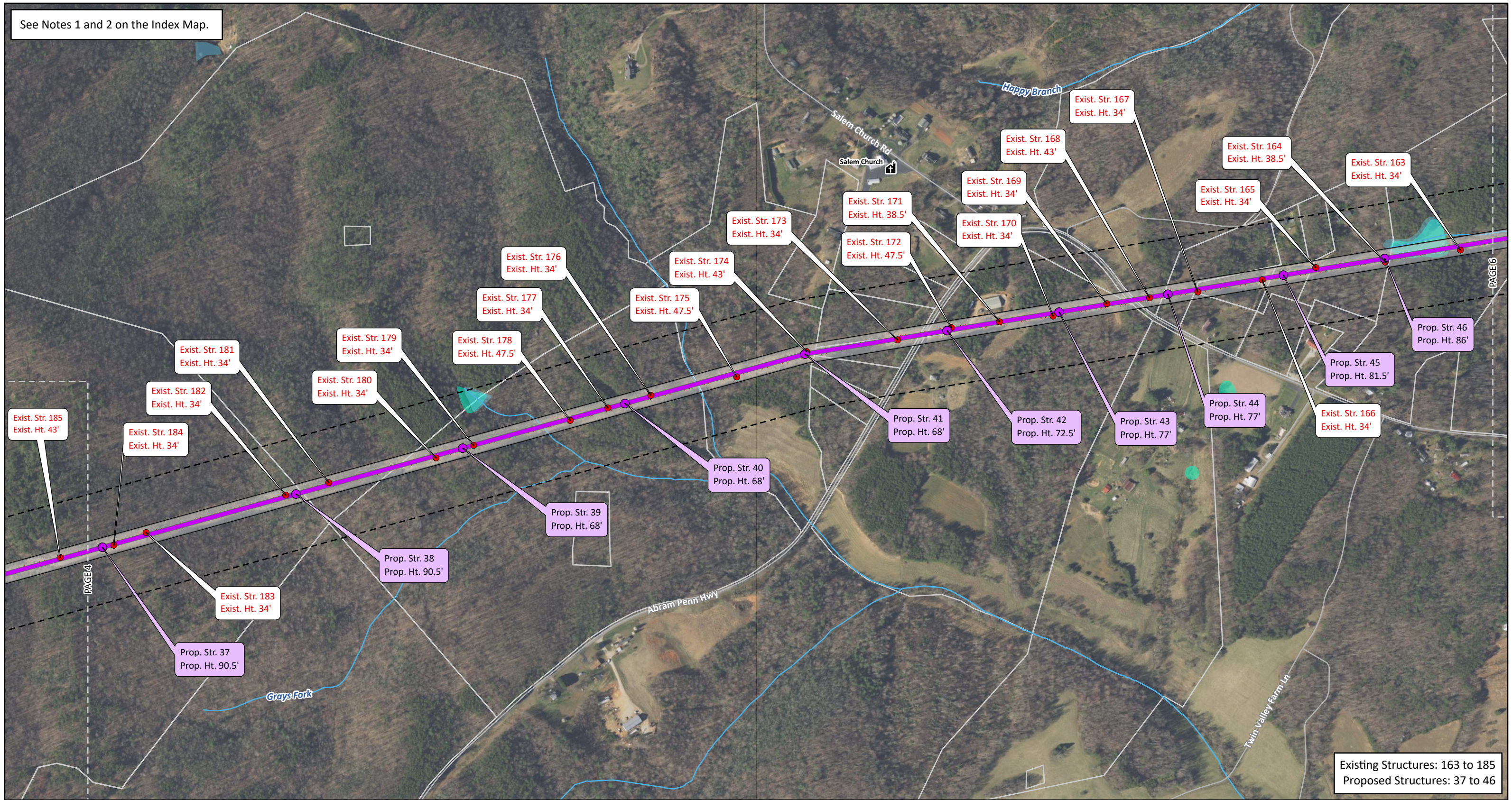
Map 4 of 20

Exhibit 9: Component 3 GIS Constraints Map

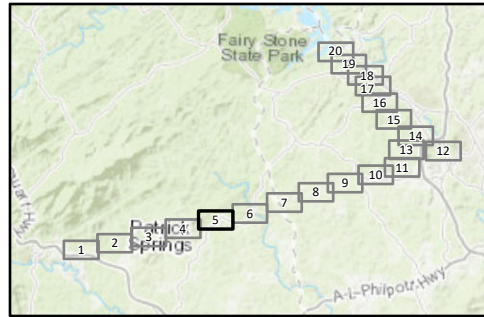
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Stuart Area Transmission
Improvements Project:
Component 3:
Mayo River (Stuart)
to Bassett Area
Transmission Improvements


See Notes 1 and 2 on the Index Map.



Existing Structures: 163 to 185
Proposed Structures: 37 to 46



<ul style="list-style-type: none"> ● Proposed Structure ● Existing APCo Structure to be Removed — Component 3 Proposed Route (Single Circuit) ✕✕ Existing Transmission Line to be Retired 	<ul style="list-style-type: none"> Proposed Right-of-Way (100') Filing Corridor (See Note 1) Place of Worship Road Stream (NHD) 	<ul style="list-style-type: none"> Waterbody (NHD) Wetland (NWI) Parcel Boundary (See Note 2) Map Tile
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Date: 5/4/2023; Author: elundy; Project: 158529

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Map 5 of 20

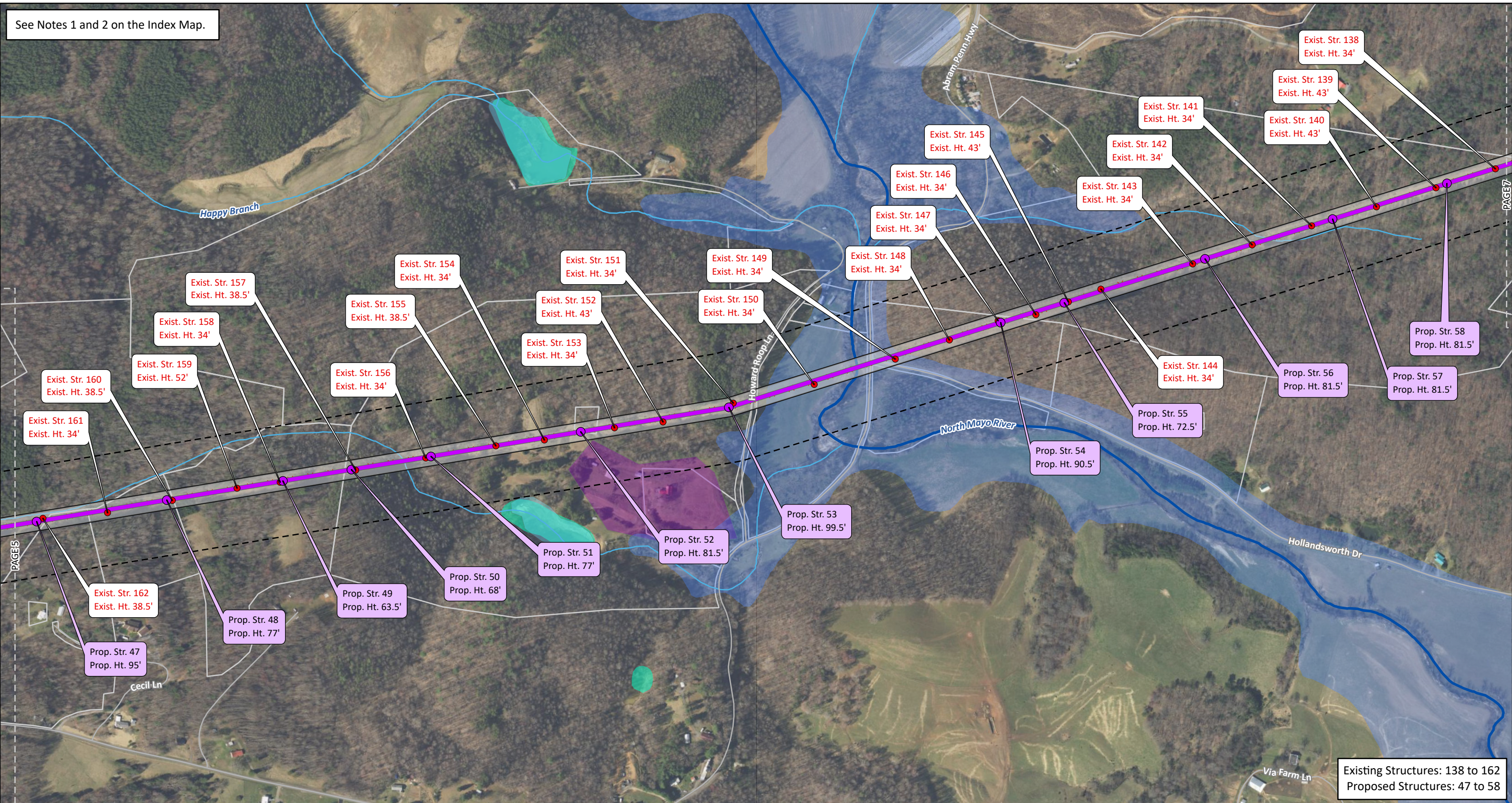
Exhibit 9: Component 3 GIS Constraints Map

Stuart Area Transmission
Improvements Project:
Component 3:
Mayo River (Stuart)
to Bassett Area
Transmission Improvements

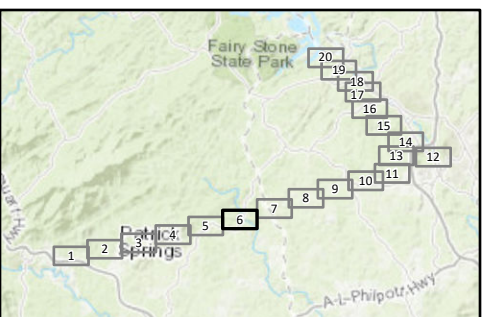


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See Notes 1 and 2 on the Index Map.



Existing Structures: 138 to 162
Proposed Structures: 47 to 58



<ul style="list-style-type: none"> ● Proposed Structure ● Existing APCo Structure to be Removed — Component 3 Proposed Route (Single Circuit) — Existing Transmission Line to be Retired Proposed Right-of-Way (100') 	<ul style="list-style-type: none"> Filing Corridor (See Note 1) Road North Mayo Scenic River Stream (NHD) Waterbody (NHD) 	<ul style="list-style-type: none"> Wetland (NWI) Floodplain Architectural Resource (VDHR) Parcel Boundary (See Note 2) Map Tile
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Virginia

Date: 5/4/2023; Author: elundy; Project: 158529

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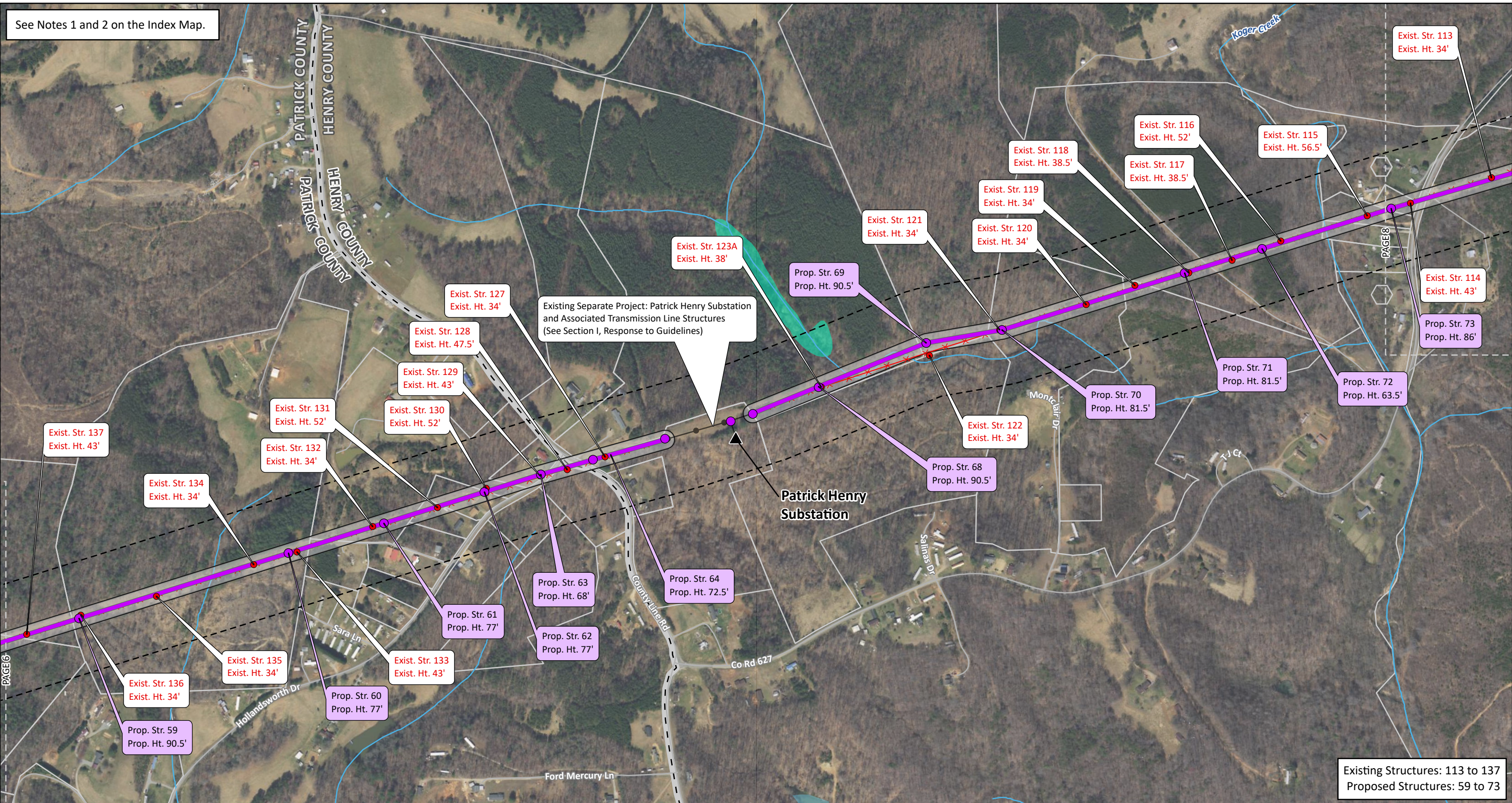
Exhibit 9: Component 3 GIS Constraints Map

Stuart Area Transmission
Improvements Project:
Component 3:
Mayo River (Stuart)
to Bassett Area
Transmission Improvements

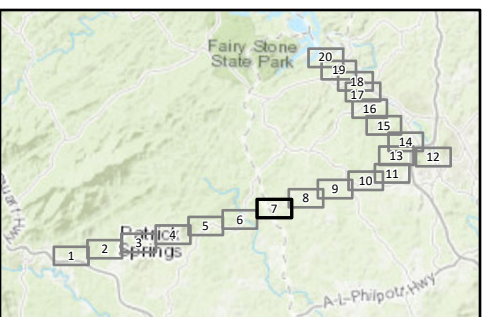


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See Notes 1 and 2 on the Index Map.



Existing Structures: 113 to 137
Proposed Structures: 59 to 73



▲ Existing APCo Substation	✂ Existing Transmission Line to be Retired	Waterbody (NHD)
● Proposed Structure	▭ Proposed Right-of-Way (100')	Wetland (NWI)
● Existing APCo Structure to be Removed	▭ Filing Corridor (See Note 1)	Architectural Resource (VDHR)
— Component 3 Proposed Route (Single Circuit)	— Road	▭ Parcel Boundary (See Note 2)
— Existing APCo Transmission Line (115 kV - 230 kV)	— Stream (NHD)	▭ Map Tile
	▭ County Boundary	

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Date: 5/4/2023; Author: elundy; Project: 158529

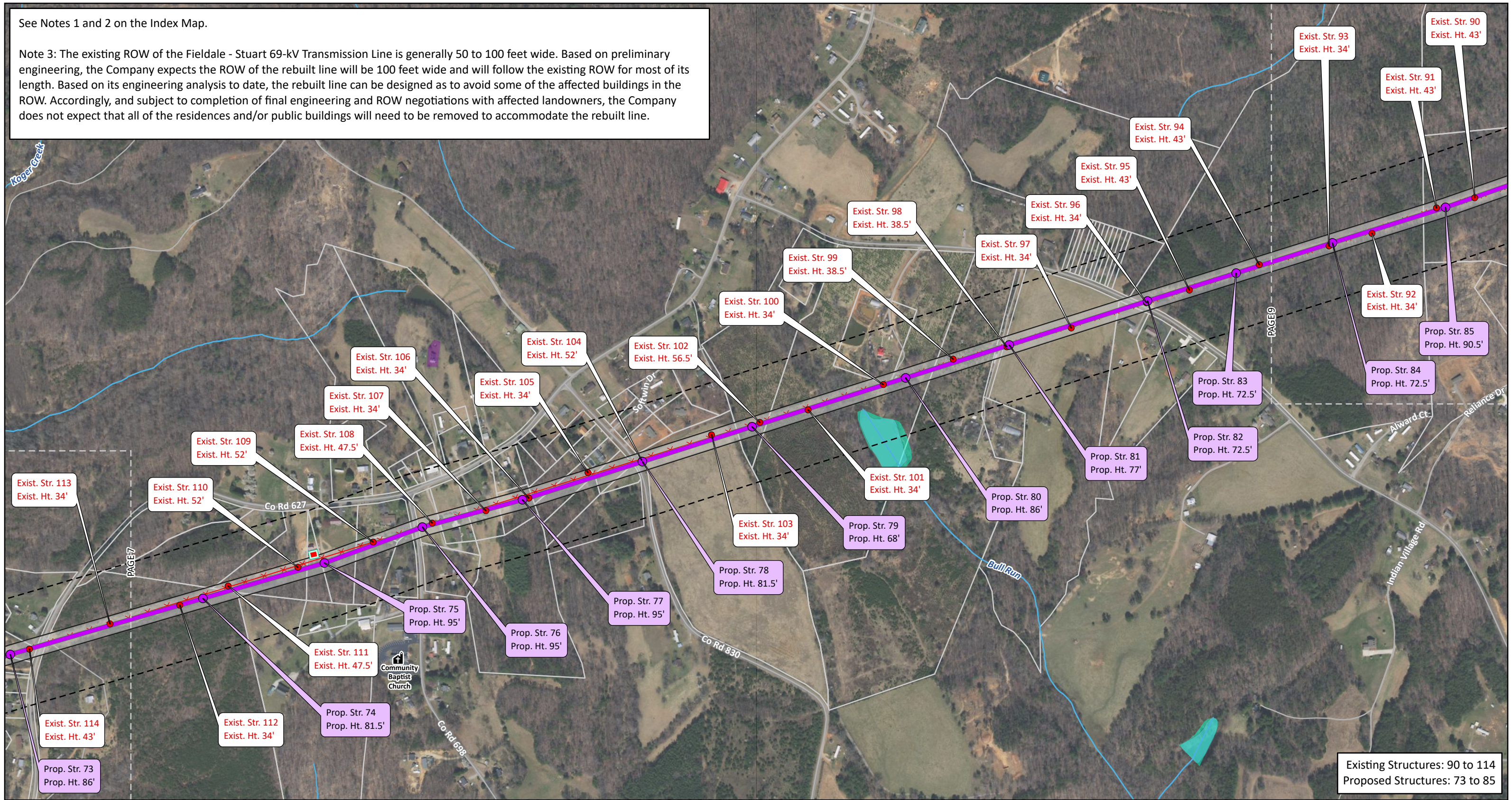
Map 7 of 20

Exhibit 9: Component 3 GIS Constraints Map

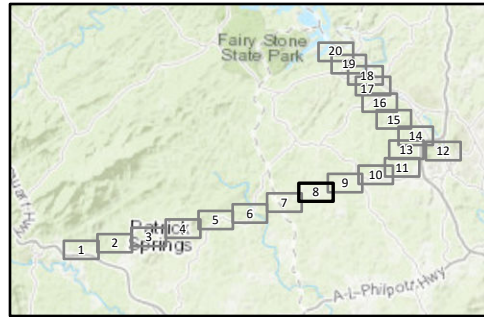
Stuart Area Transmission Improvements Project:
Component 3:
Mayo River (Stuart) to Bassett Area Transmission Improvements

See Notes 1 and 2 on the Index Map.

Note 3: The existing ROW of the Fieldale - Stuart 69-kV Transmission Line is generally 50 to 100 feet wide. Based on preliminary engineering, the Company expects the ROW of the rebuilt line will be 100 feet wide and will follow the existing ROW for most of its length. Based on its engineering analysis to date, the rebuilt line can be designed as to avoid some of the affected buildings in the ROW. Accordingly, and subject to completion of final engineering and ROW negotiations with affected landowners, the Company does not expect that all of the residences and/or public buildings will need to be removed to accommodate the rebuilt line.



Existing Structures: 90 to 114
Proposed Structures: 73 to 85



<ul style="list-style-type: none"> ● Proposed Structure ● Existing APCo Structure to be Removed — Component 3 Proposed Route (Single Circuit) X-X Existing Transmission Line to be Retired Proposed Right-of-Way (100') 	<ul style="list-style-type: none"> Filing Corridor (See Note 1) Residential Structure (within proposed 100' ROW) (See Note 3) Place of Worship Road — Stream (NHD) 	<ul style="list-style-type: none"> Waterbody (NHD) Wetland (NWI) Architectural Resource (VDHR) Parcel Boundary (See Note 2) Map Tile
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Date: 5/4/2023; Author: elundy; Project: 158529

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Feet

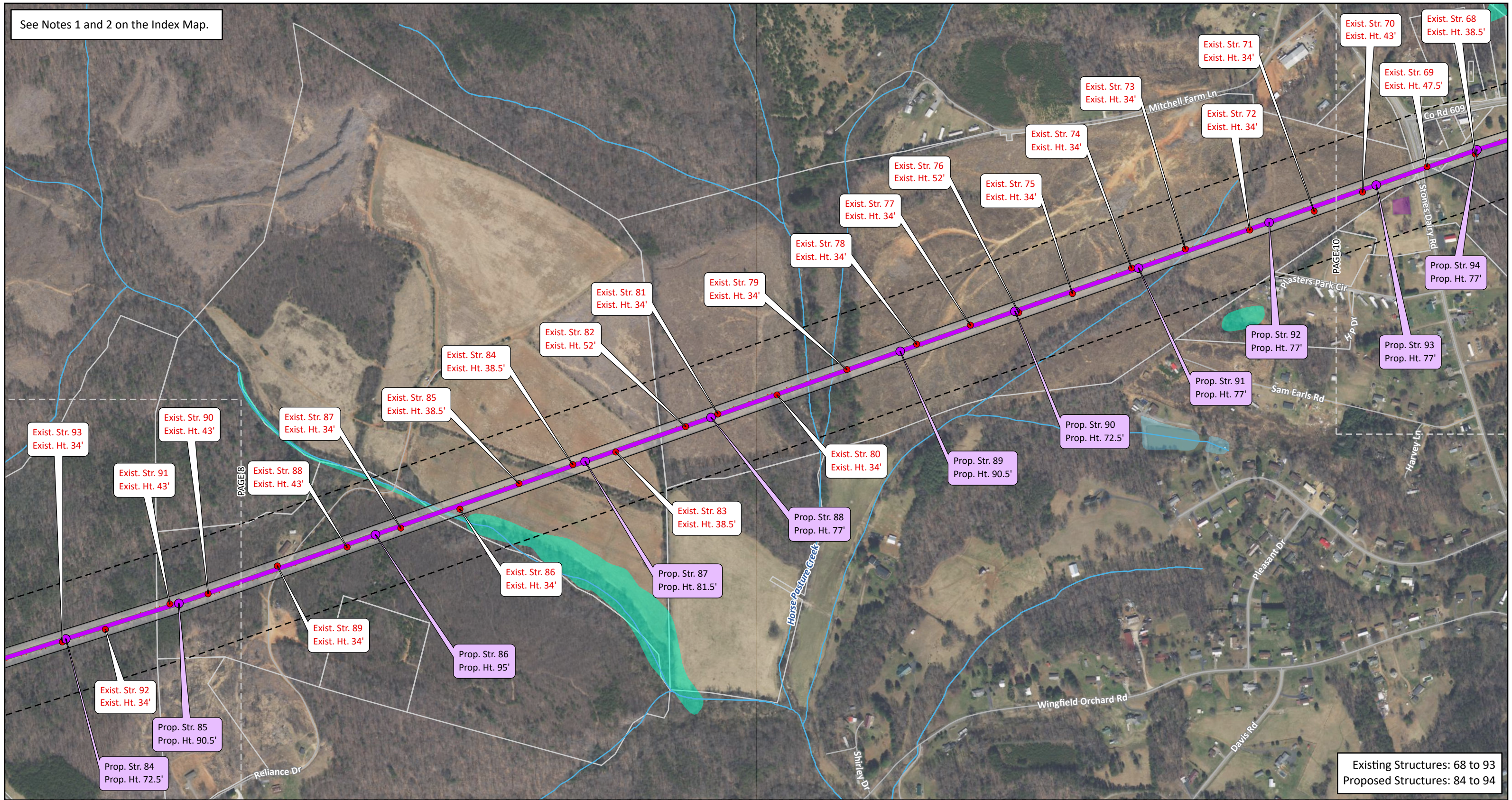
Map 8 of 20

Exhibit 9: Component 3 GIS Constraints Map

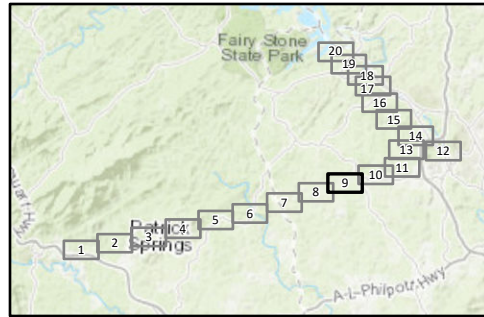
Stuart Area Transmission Improvements Project:
Component 3:
Mayo River (Stuart) to Bassett Area Transmission Improvements

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See Notes 1 and 2 on the Index Map.



Existing Structures: 68 to 93
Proposed Structures: 84 to 94



<ul style="list-style-type: none"> ● Proposed Structure ● Existing APCo Structure to be Removed — Component 3 Proposed Route (Single Circuit) X-X Existing Transmission Line to be Retired 	<ul style="list-style-type: none"> Proposed Right-of-Way (100') Filing Corridor (See Note 1) Populated Place Road Stream (NHD) 	<ul style="list-style-type: none"> Waterbody (NHD) Wetland (NWI) Architectural Resource (VDHR) Parcel Boundary (See Note 2) Map Tile
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Patrick & Henry Counties,
Virginia

Date: 5/4/2023; Author: elundy; Project: 158529

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Map 9 of 20

Exhibit 9: Component 3 GIS Constraints Map

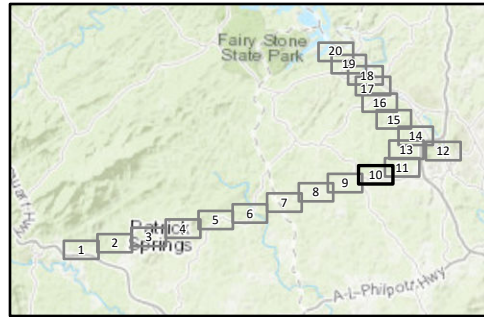
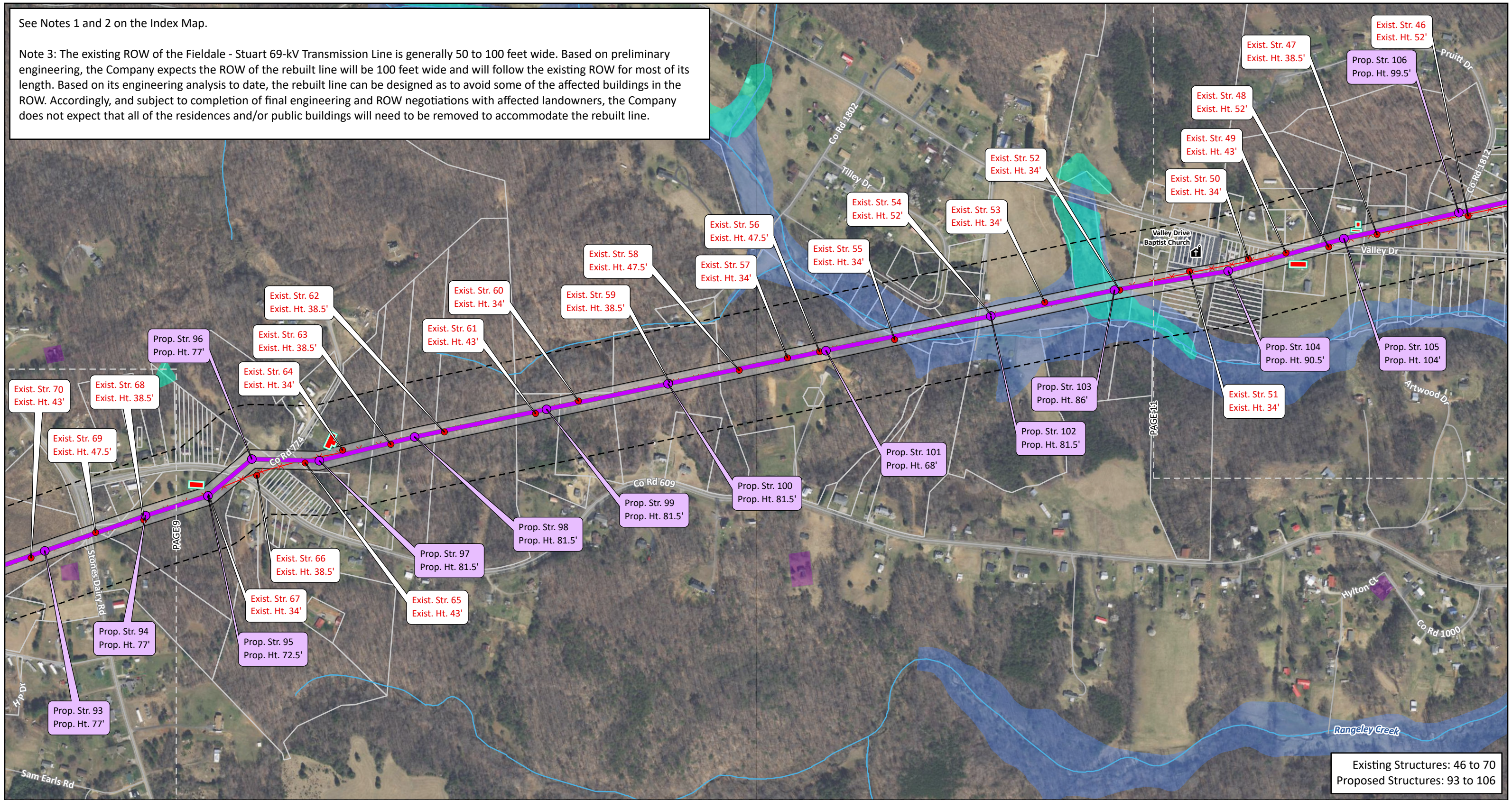
Stuart Area Transmission
Improvements Project:
Component 3:
Mayo River (Stuart)
to Bassett Area
Transmission Improvements



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See Notes 1 and 2 on the Index Map.

Note 3: The existing ROW of the Fieldale - Stuart 69-kV Transmission Line is generally 50 to 100 feet wide. Based on preliminary engineering, the Company expects the ROW of the rebuilt line will be 100 feet wide and will follow the existing ROW for most of its length. Based on its engineering analysis to date, the rebuilt line can be designed as to avoid some of the affected buildings in the ROW. Accordingly, and subject to completion of final engineering and ROW negotiations with affected landowners, the Company does not expect that all of the residences and/or public buildings will need to be removed to accommodate the rebuilt line.



<ul style="list-style-type: none"> ● Proposed Structure ● Existing APCo Structure to be Removed — Component 3 Proposed Route (Single Circuit) X-X Existing Transmission Line to be Retired Proposed Right-of-Way (100') 	<ul style="list-style-type: none"> Filing Corridor (See Note 1) Residential Structure (within proposed 100' ROW) (See Note 3) Place of Worship Populated Place Road 	<ul style="list-style-type: none"> Stream (NHD) Wetland (NWI) Floodplain Architectural Resource (VDHR) Parcel Boundary (See Note 2) Map Tile
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Patrick & Henry Counties,
Virginia

Date: 5/4/2023; Author: elundy; Project: 158529

0 500 1,000
Feet

Map 10 of 20

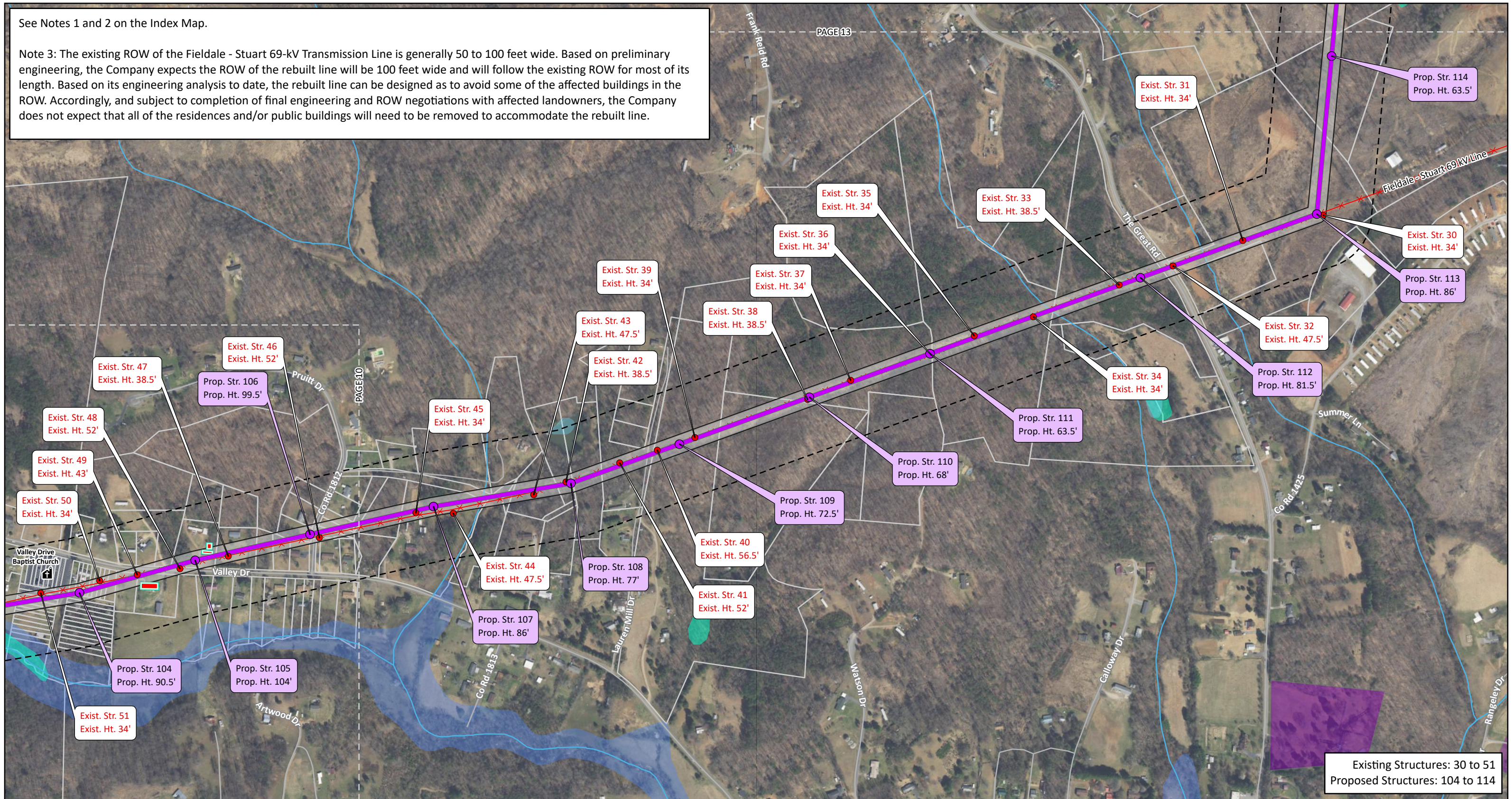
Exhibit 9: Component 3 GIS Constraints Map

Stuart Area Transmission
Improvements Project:
Component 3:
Mayo River (Stuart)
to Bassett Area
Transmission Improvements

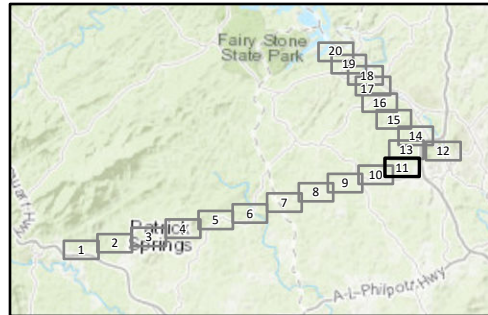
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See Notes 1 and 2 on the Index Map.

Note 3: The existing ROW of the Fieldale - Stuart 69-kV Transmission Line is generally 50 to 100 feet wide. Based on preliminary engineering, the Company expects the ROW of the rebuilt line will be 100 feet wide and will follow the existing ROW for most of its length. Based on its engineering analysis to date, the rebuilt line can be designed as to avoid some of the affected buildings in the ROW. Accordingly, and subject to completion of final engineering and ROW negotiations with affected landowners, the Company does not expect that all of the residences and/or public buildings will need to be removed to accommodate the rebuilt line.



Existing Structures: 30 to 51
Proposed Structures: 104 to 114



<ul style="list-style-type: none"> Proposed Structure Existing APCo Structure to be Removed Component 3 Proposed Route (Single Circuit) Existing Transmission Line to be Retired Proposed Right-of-Way (100') 	<ul style="list-style-type: none"> Filing Corridor (See Note 1) Residential Structure (within proposed 100' ROW) (See Note 3) Place of Worship Road Stream (NHD) 	<ul style="list-style-type: none"> Waterbody (NHD) Wetland (NWI) Floodplain Architectural Resource (VDHR) Parcel Boundary (See Note 2) Map Tile
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Patrick & Henry Counties, Virginia

Date: 5/4/2023; Author: elundy; Project: 158529

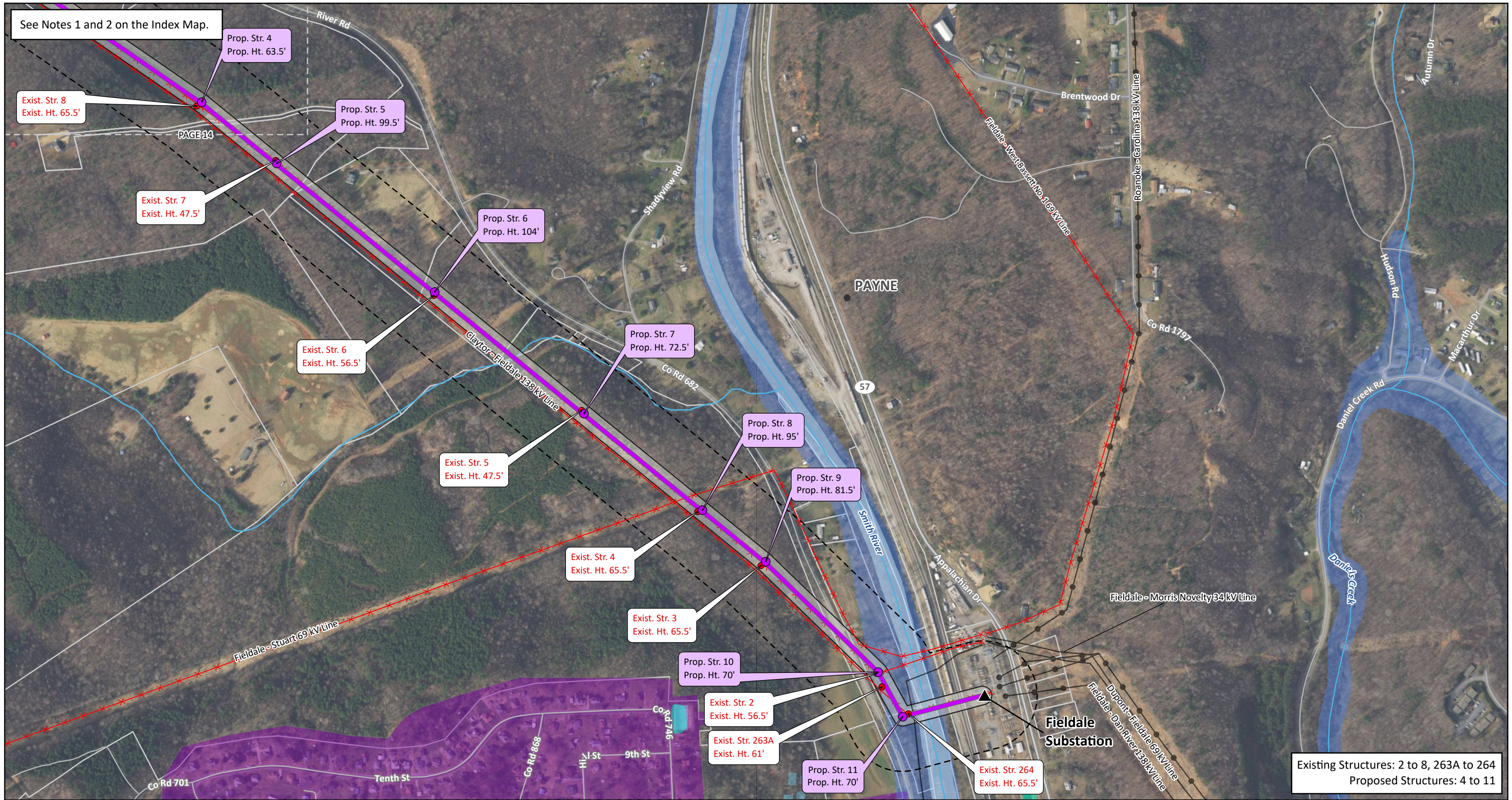
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Map 11 of 20

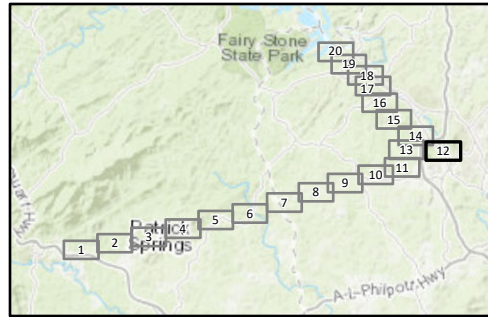
Exhibit 9: Component 3 GIS Constraints Map

Stuart Area Transmission Improvements Project:
Component 3:
Mayo River (Stuart) to Bassett Area Transmission Improvements

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Existing Structures: 2 to 8, 263A to 264
Proposed Structures: 4 to 11



▲ Existing APCo Substation	● Existing APCo Transmission Line (115 kv - 230 kv)	— Stream (NHD)
● Proposed Structure	✂ Existing Transmission Line to be Retired	— River (NHD)
● Existing APCo Structure to be Removed	▭ Proposed Right-of-Way (100')	— Waterbody (NHD)
— Component 3 Proposed Route (Single Circuit)	▭ Filing Corridor (See Note 1)	— Wetland (NWI)
— Existing APCo Transmission Line (69 kv or lower)	● Populated Place	— Floodplain
	— Highway	— Architectural Resource (VDHR)
	— Road	▭ Parcel Boundary (See Note 2)
		— Map Tile

Patrick & Henry Counties, Virginia

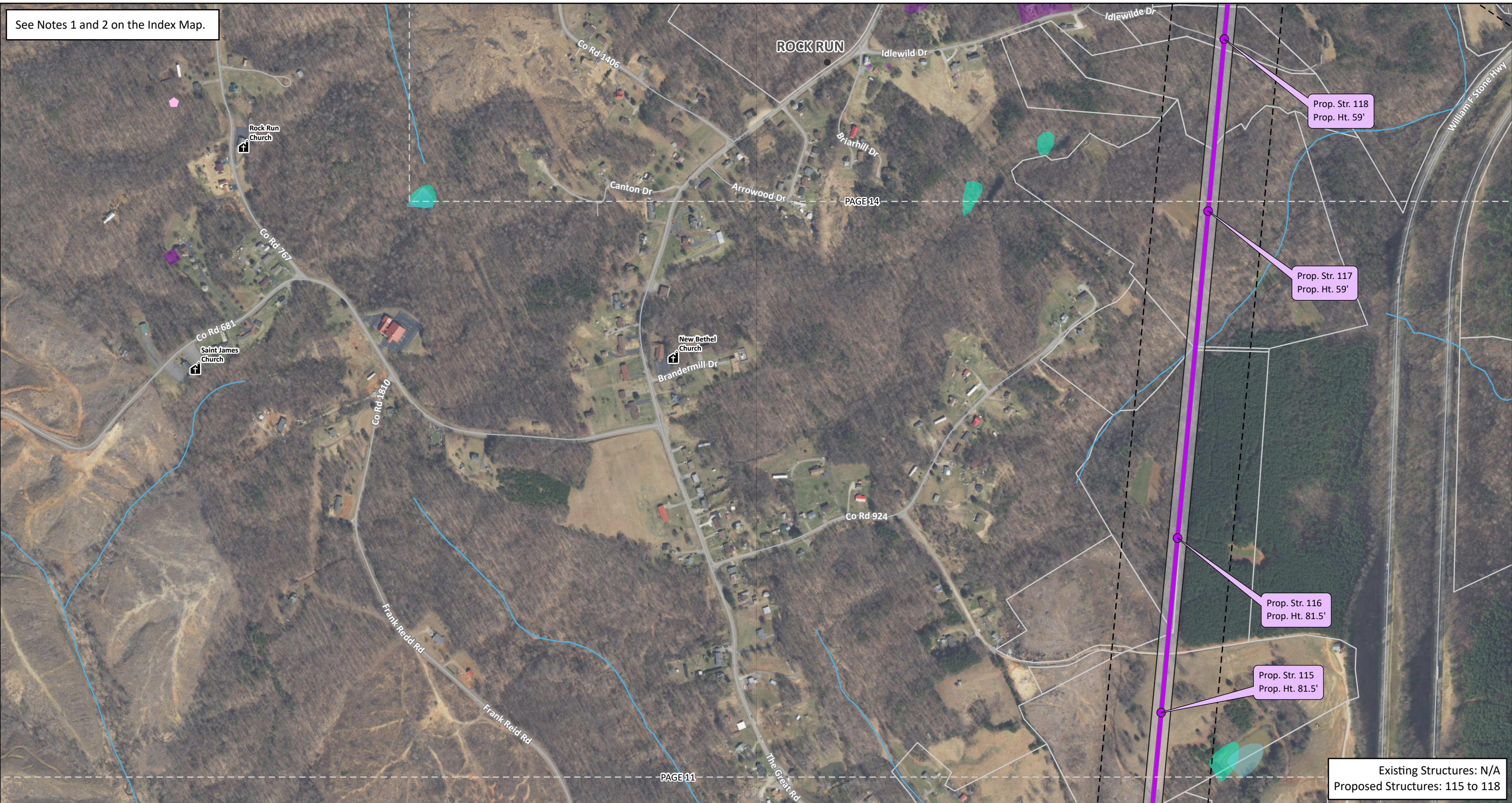
Date: 5/4/2023; Author: elundy; Project: 158529

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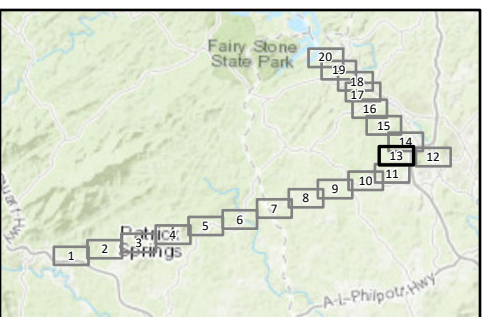
Exhibit 9: Component 3 GIS Constraints Map

Stuart Area Transmission Improvements Project:
Component 3:
Mayo River (Stuart) to Bassett Area Transmission Improvements

See Notes 1 and 2 on the Index Map.



Existing Structures: N/A
Proposed Structures: 115 to 118



Proposed Structure	Place of Worship	Waterbody (NHD)
Component 3 Proposed Route (Single Circuit)	Populated Place	Wetland (NWI)
Proposed Right-of-Way (100')	NRHP Building	Architectural Resource (VDHR)
Filing Corridor (See Note 1)	Road	Parcel Boundary (See Note 2)
	Stream (NHD)	Map Tile

Patrick & Henry Counties, Virginia

Date: 5/4/2023; Author: elundy; Project: 158529

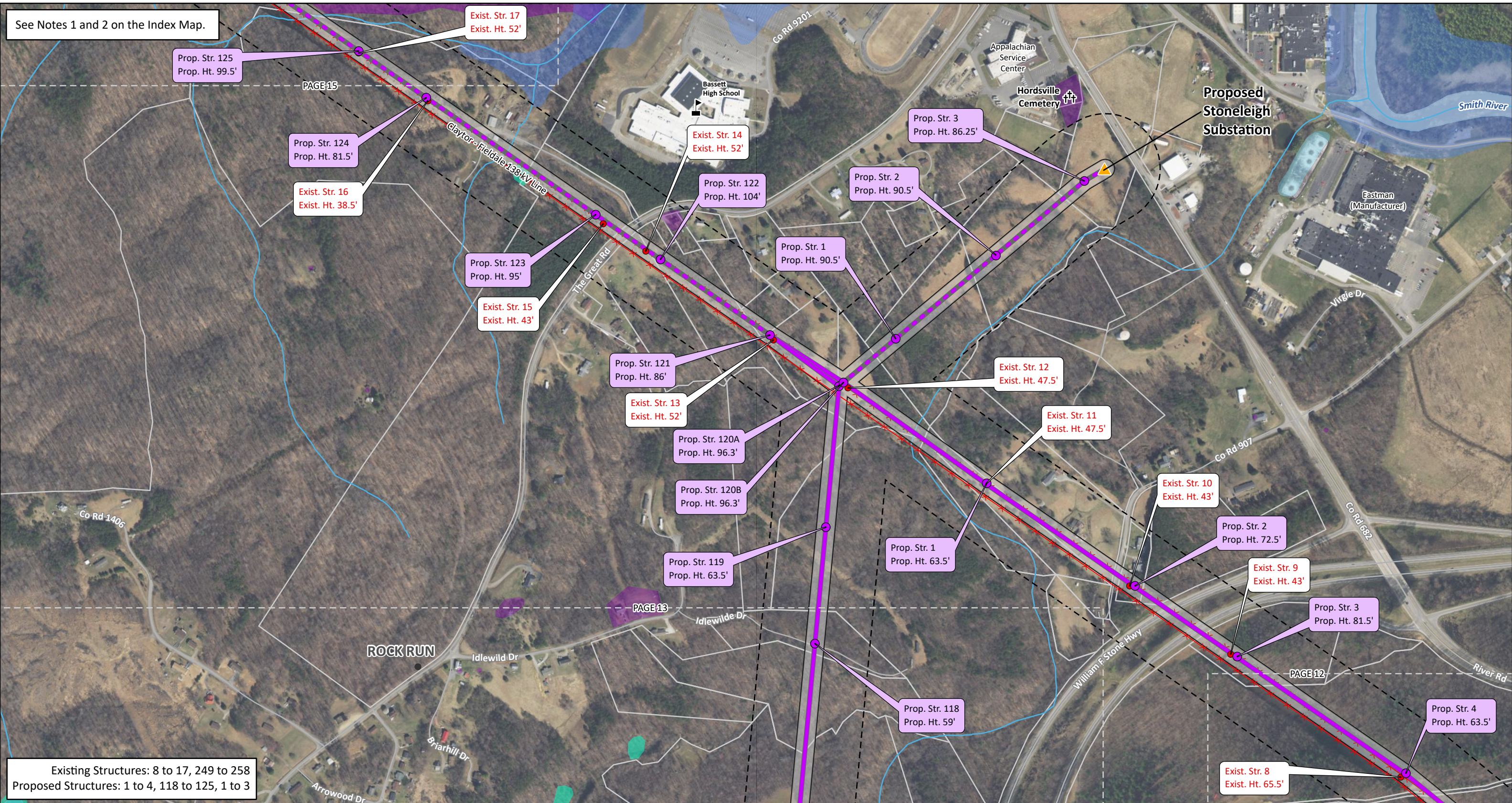
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Feet

Map 13 of 20

Exhibit 9: Component 3 GIS Constraints Map

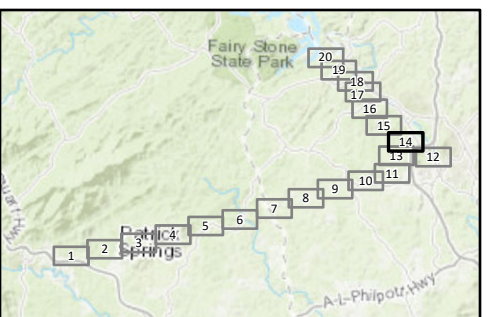
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Stuart Area Transmission Improvements Project:
Component 3:
Mayo River (Stuart) to Bassett Area Transmission Improvements



See Notes 1 and 2 on the Index Map.

Existing Structures: 8 to 17, 249 to 258
Proposed Structures: 1 to 4, 118 to 125, 1 to 3



Proposed APCo Substation	Proposed Right-of-Way (100')	River (NHD)
Proposed Structure	Filing Corridor (See Note 1)	Waterbody (NHD)
Existing APCo Structure to be Removed	Cemetery	Wetland (NWI)
Component 3 Proposed Route (Single Circuit)	School	Floodplain
Component 3 Proposed Route (Double Circuit)	Populated Place	Architectural Resource (VDHR)
Existing Transmission Line to be Retired	Road	Parcel Boundary (See Note 2)
	Stream (NHD)	Map Tile

Patrick & Henry Counties, Virginia

Date: 5/15/2023; Author: elundy; Project: 158529

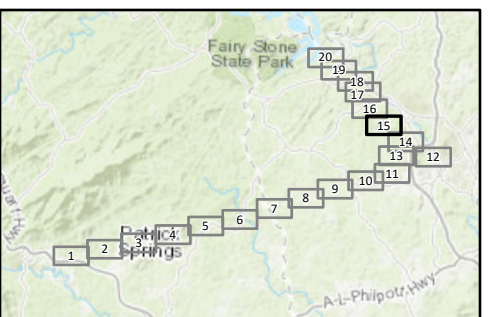
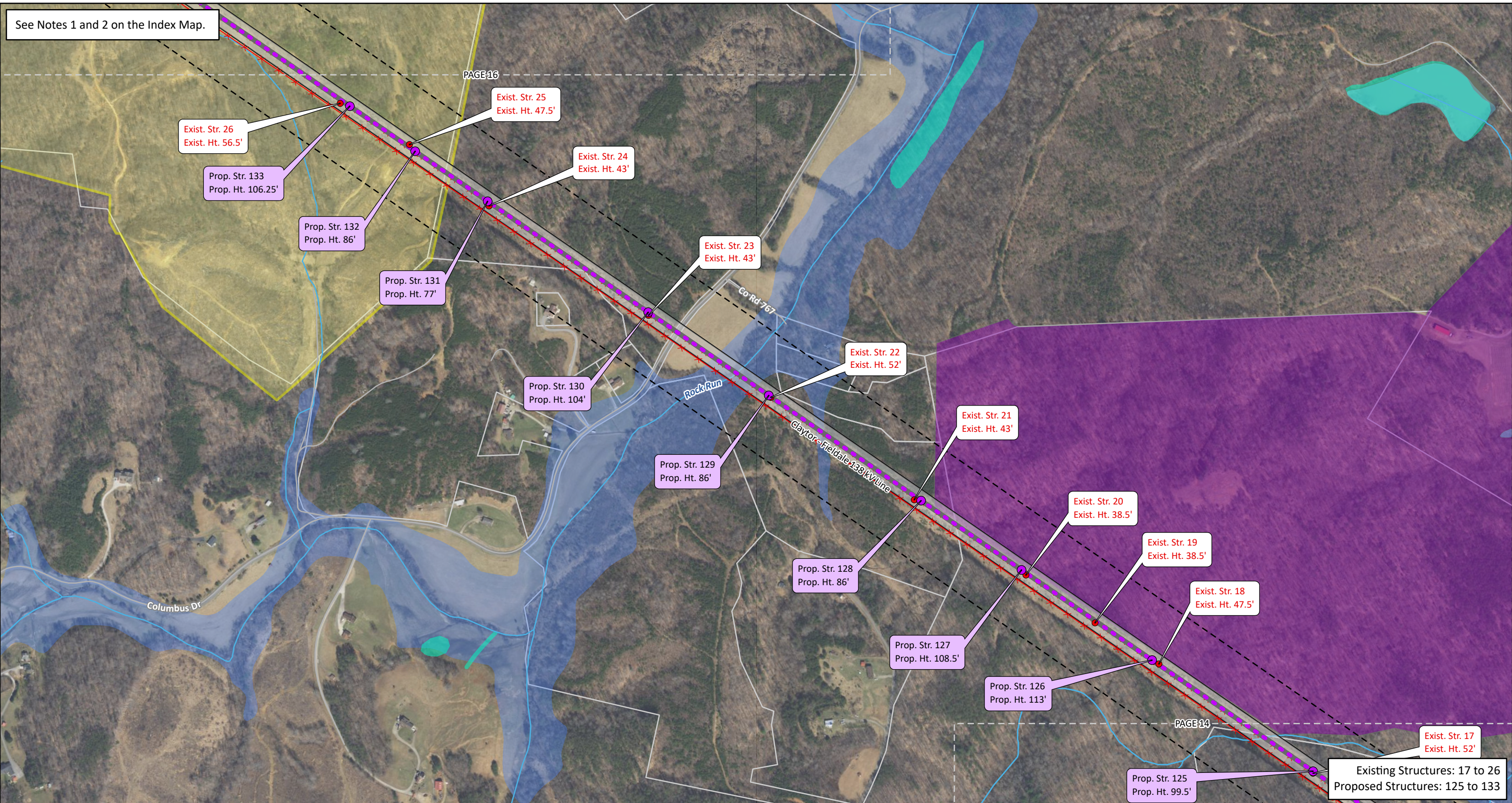
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Exhibit 9: Component 3 GIS Constraints Map


Stuart Area Transmission Improvements Project:
Component 3:
Mayo River (Stuart) to Bassett Area Transmission Improvements

An AEP Company

See Notes 1 and 2 on the Index Map.



<ul style="list-style-type: none"> ● Proposed Structure ● Existing APCo Structure to be Removed — Component 3 Proposed Route (Double Circuit) X-X Existing Transmission Line to be Retired Proposed Right-of-Way (100') 	<ul style="list-style-type: none"> Filing Corridor (See Note 1) Road Stream (NHD) Waterbody (NHD) Wetland (NWI) 	<ul style="list-style-type: none"> Floodplain VOF Easement Architectural Resource (VDHR) Parcel Boundary (See Note 2) Map Tile
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Patrick & Henry Counties,
Virginia

Date: 5/4/2023; Author: elundy; Project: 158529

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Map 15 of 20

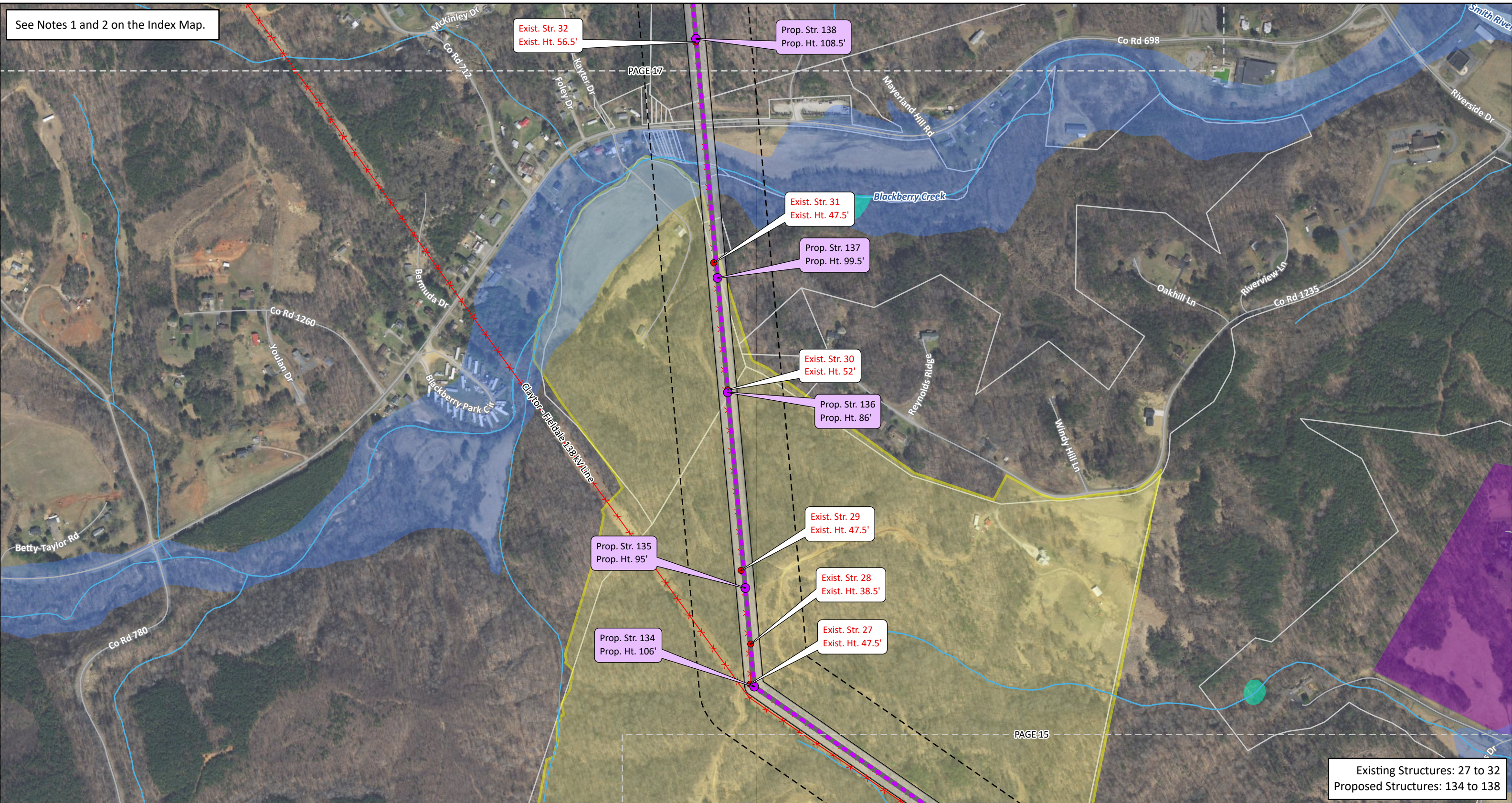
Exhibit 9: Component 3 GIS Constraints Map

Stuart Area Transmission
Improvements Project:
Component 3:
Mayo River (Stuart)
to Bassett Area
Transmission Improvements

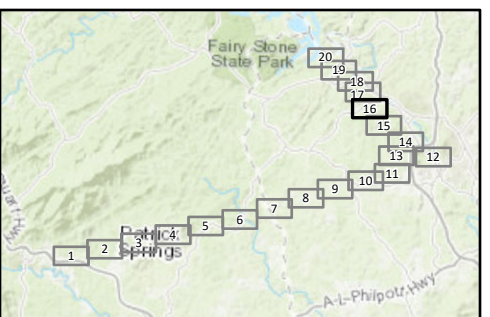


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See Notes 1 and 2 on the Index Map.



Existing Structures: 27 to 32
Proposed Structures: 134 to 138



Proposed Structure	Filing Corridor (See Note 1)	Floodplain
Existing APCo Structure to be Removed	Road	VOF Easement
Component 3 Proposed Route (Double Circuit)	Stream (NHD)	Architectural Resource (VDHR)
Existing Transmission Line to be Retired	River (NHD)	Parcel Boundary (See Note 2)
Proposed Right-of-Way (100')	Wetland (NWI)	Map Tile

Patrick & Henry Counties, Virginia

Date: 5/4/2023; Author: elundy; Project: 158529

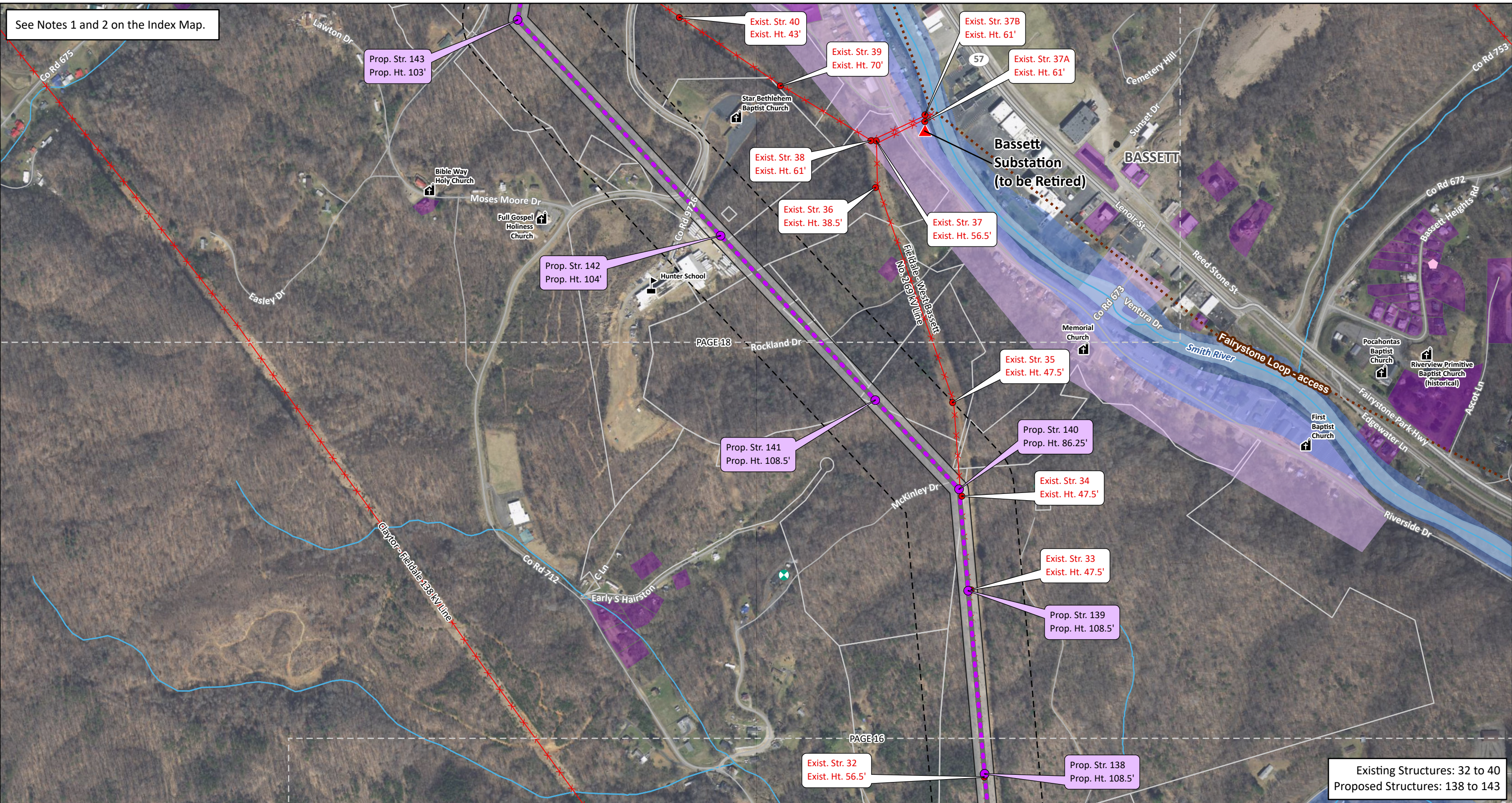
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Map 16 of 20

Exhibit 9: Component 3 GIS Constraints Map

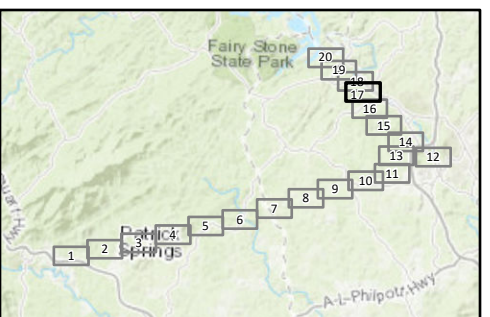
Stuart Area Transmission Improvements Project:
Component 3:
Mayo River (Stuart) to Bassett Area Transmission Improvements

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See Notes 1 and 2 on the Index Map.

Existing Structures: 32 to 40
Proposed Structures: 138 to 143



Existing APCo Substation to be Retired	Filing Corridor (See Note 1)	Highway	Historic District (VDHR)
Proposed Structure	Place of Worship	Road	Architectural Resource (VDHR)
Existing APCo Structure to be Removed	School	Recreation Trail	Parcel Boundary (See Note 2)
Component 3 Proposed Route (Double Circuit)	Populated Place	Stream (NHD)	Map Tile
Existing Transmission Line to be Retired	Cell Tower (FCC)	River (NHD)	
Proposed Right-of-Way (100')	NRHP Building	Waterbody (NHD)	
		Floodplain	

Patrick & Henry Counties, Virginia

Date: 5/4/2023; Author: elundy; Project: 158529

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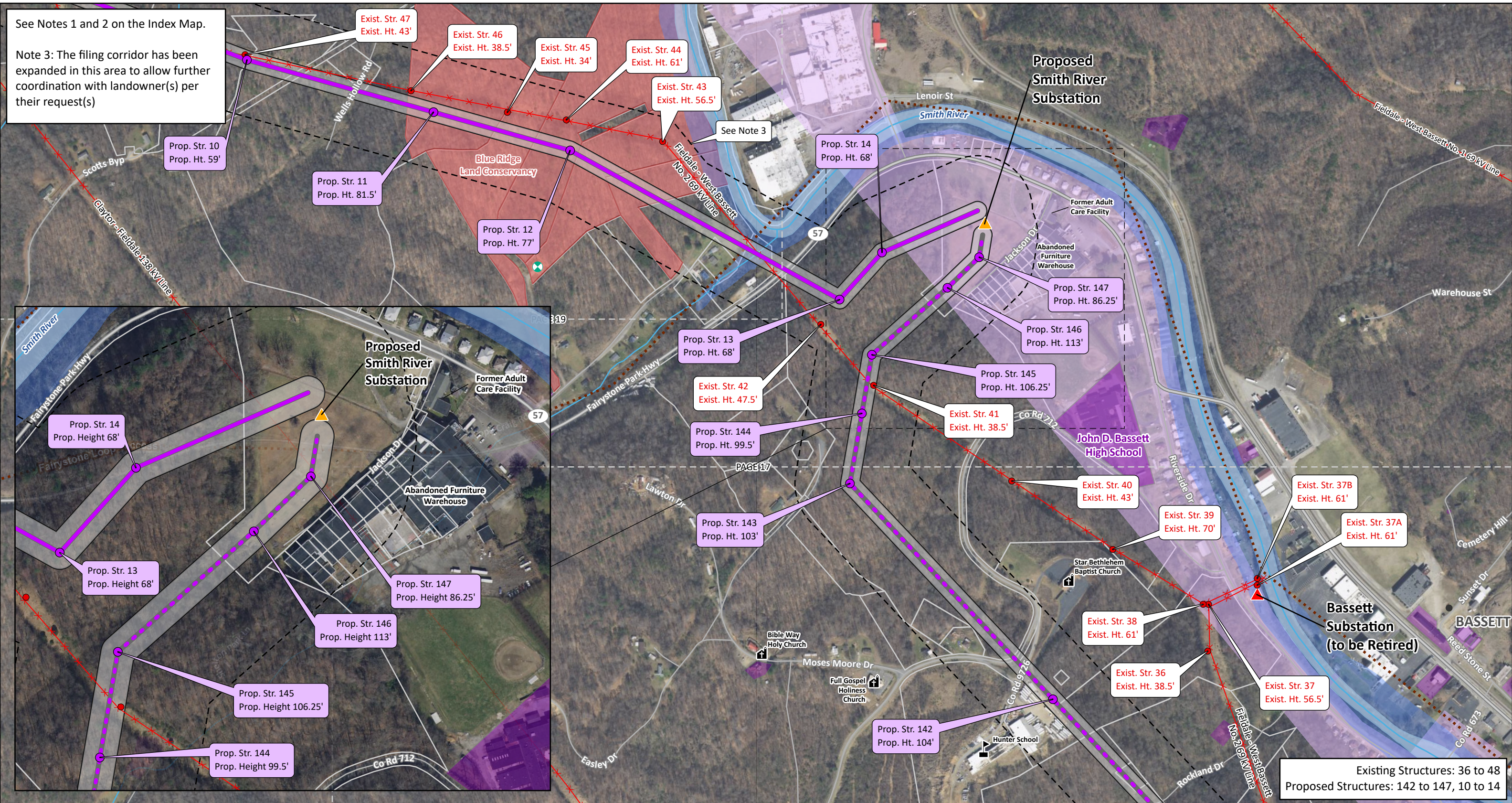
Exhibit 9: Component 3 GIS Constraints Map

Stuart Area Transmission Improvements Project:
Component 3:
Mayo River (Stuart) to Bassett Area Transmission Improvements

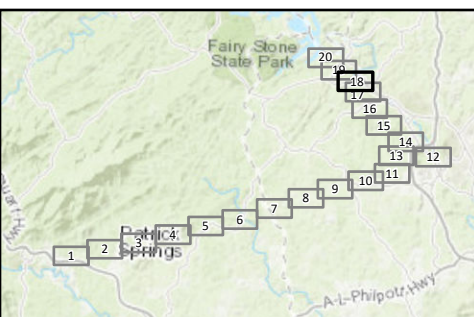
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See Notes 1 and 2 on the Index Map.

Note 3: The filing corridor has been expanded in this area to allow further coordination with landowner(s) per their request(s)



Existing Structures: 36 to 48
Proposed Structures: 142 to 147, 10 to 14



Proposed APCo Substation	Component 3 Proposed Route (Double Circuit)	Populated Place	Floodplain
Existing APCo Substation to be Retired	Existing Transmission Line to be Retired	Cell Tower (FCC)	Historic District (VDHR)
Proposed Structure	Proposed Right-of-Way (100')	Highway	Architectural Resource (VDHR)
Existing APCo Structure to be Removed	Filing Corridor (See Note 1)	Road	Local Conservancy
Component 3 Proposed Route (Single Circuit)	Place of Worship	Recreation Trail	Parcel Boundary (See Note 2)
	School	Stream (NHD)	Map Tile
		River (NHD)	

Patrick & Henry Counties, Virginia

Date: 5/15/2023; Author: elundy; Project: 158529

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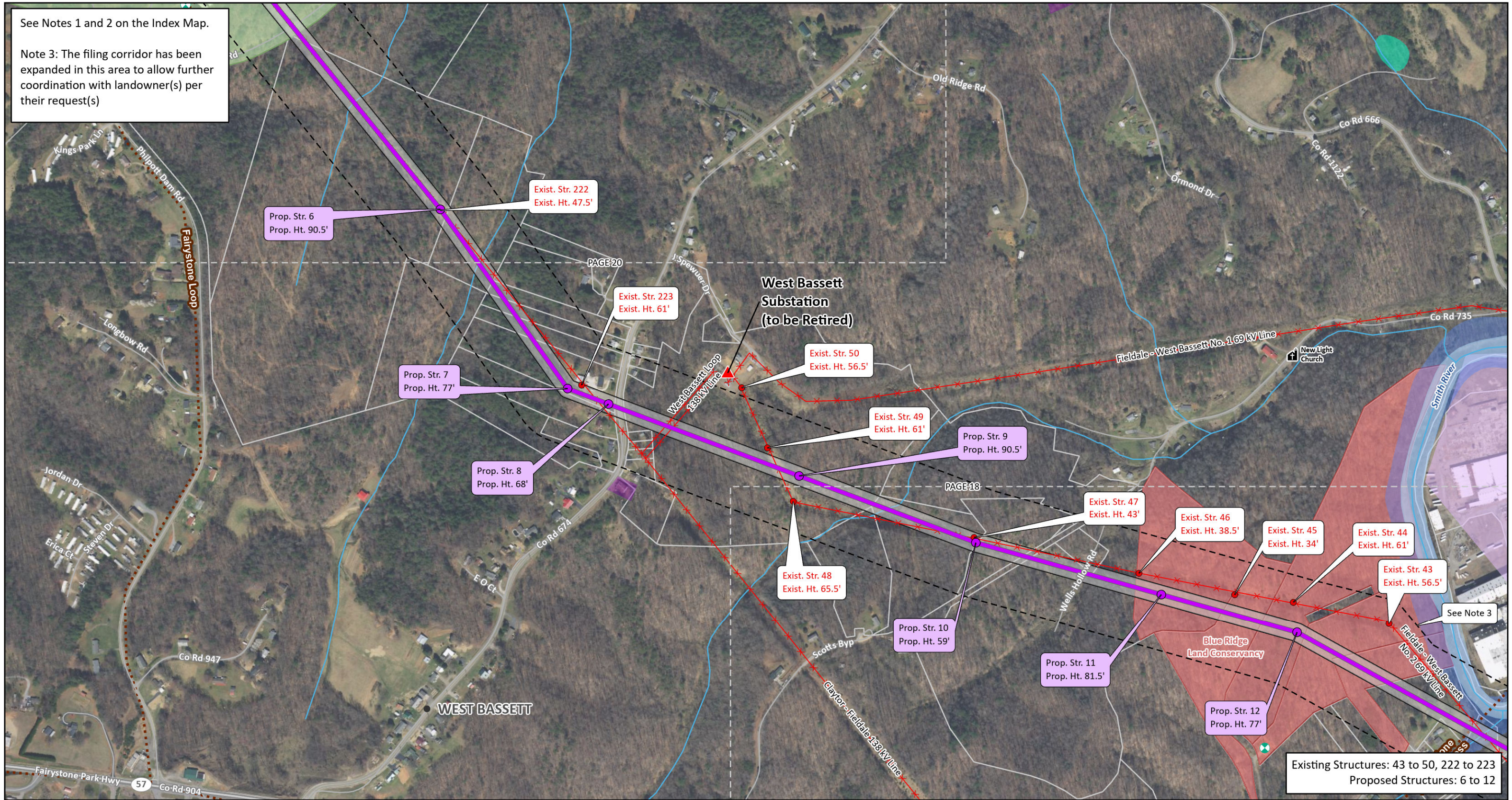
Exhibit 9: Component 3 GIS Constraints Map

Stuart Area Transmission Improvements Project:
Component 3:
Mayo River (Stuart) to Bassett Area Transmission Improvements

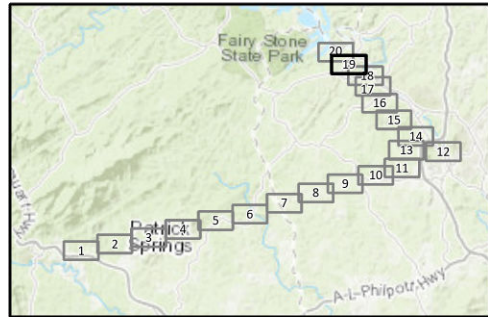
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See Notes 1 and 2 on the Index Map.

Note 3: The filing corridor has been expanded in this area to allow further coordination with landowner(s) per their request(s)



Existing Structures: 43 to 50, 222 to 223
Proposed Structures: 6 to 12



▲ Existing APCo Substation to be Retired	▭ Proposed Right-of-Way (100')	— Road	▭ Historic District (VDHR)
● Proposed Structure	▭ Filing Corridor (See Note 1)	— Recreation Trail	▭ Architectural Resource (VDHR)
● Existing APCo Structure to be Removed	▭ Place of Worship	— Stream (NHD)	▭ Local Conservancy
— Component 3 Proposed Route (Single Circuit)	● Populated Place	— River (NHD)	▭ Philpott Lake Recreation Area (USACE)
— Existing Transmission Line to be Retired	⊙ Cell Tower (FCC)	— Wetland (NWI)	▭ Parcel Boundary (See Note 2)
	— Highway	— Floodplain	▭ Map Tile

Patrick & Henry Counties, Virginia

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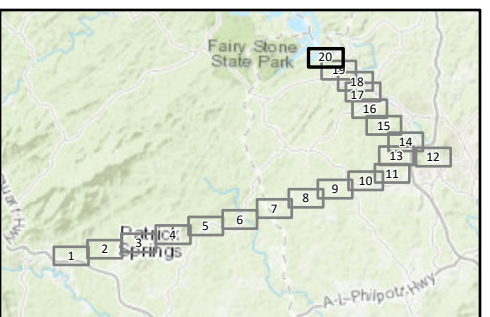
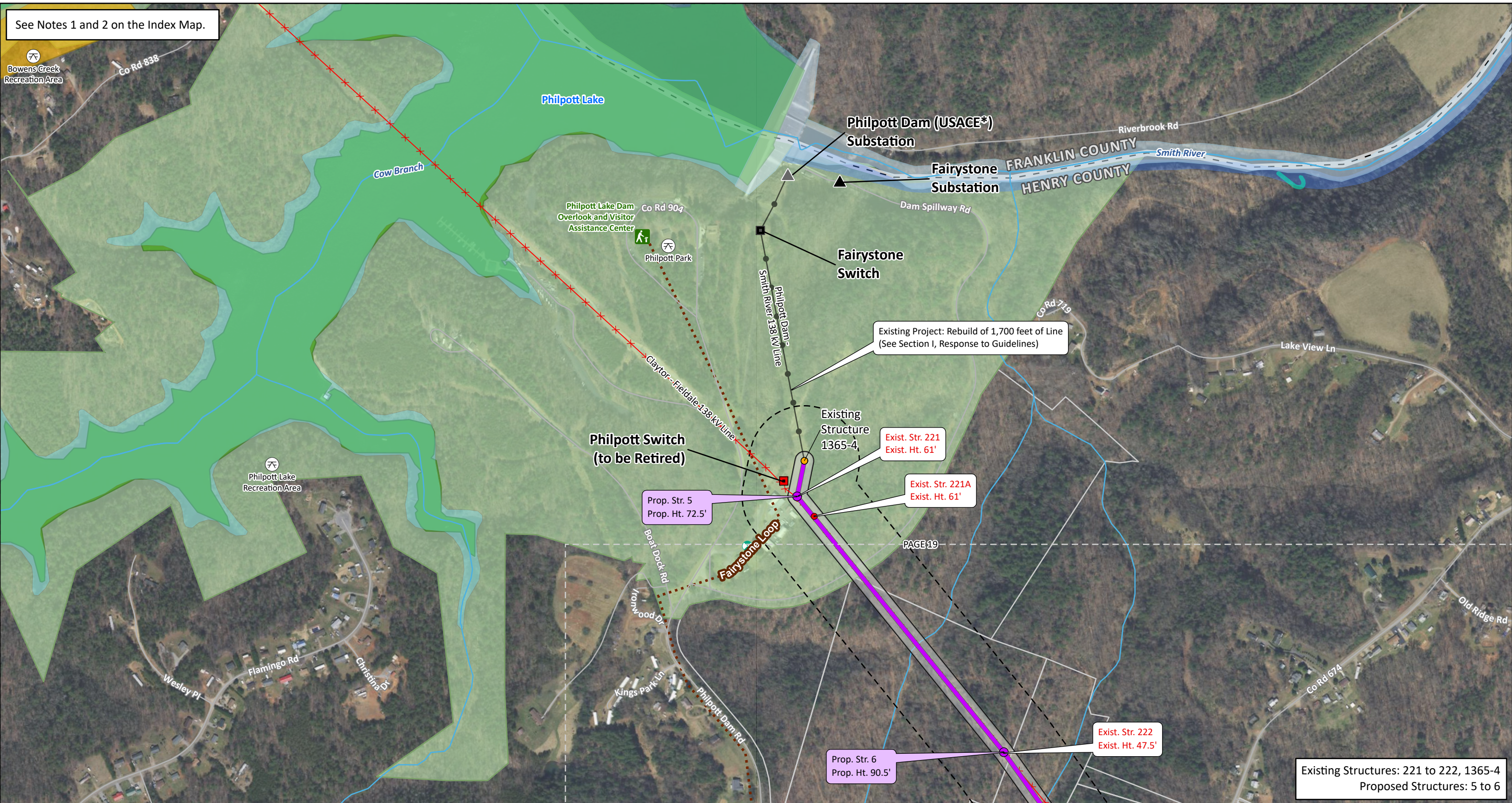
Map 19 of 20

Exhibit 9: Component 3 GIS Constraints Map

Stuart Area Transmission Improvements Project:
Component 3:
Mayo River (Stuart) to Bassett Area Transmission Improvements

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See Notes 1 and 2 on the Index Map.



▲ Existing APCo Substation	— Component 3 Proposed Route (Single Circuit)	📶 Cell Tower (FCC)	🌊 Waterbody (NHD)
▲ Non-APCo Generation Facility	— Existing APCo Transmission Line (115 kV - 230 kV)	🦋 Birding and Wildlife Trail Sites	🌿 Wetland (NWI)
● Proposed Structure	✂ Existing Transmission Line to be Retired	🛣 Road	🌊 Floodplain
● Existing Structure	📏 Proposed Right-of-Way (100')	🚶 Recreation Trail	🌳 Federal Conservation Land
● Existing APCo Structure to be Removed	📏 Filing Corridor (See Note 1)	🌊 Stream (NHD)	🌳 State Conservation Land
■ Existing Switch Station to be Retired	📏 County Boundary	🌊 River (NHD)	🌳 Philpott Lake Recreation Area (USACE)
■ Existing Switch Station	📏 Parcel Boundary (See Note 2)		📏 Map Tile
	🏞 Park		

* USACE = U.S. Army Corps of Engineers

Patrick & Henry Counties, Virginia

Date: 5/4/2023; Author: elundy; Project: 158529

0 500 1,000
Feet

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Exhibit 9: Component 3 GIS Constraints Map

Stuart Area Transmission Improvements Project:
Component 3:
Mayo River (Stuart) to Bassett Area Transmission Improvements

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