

**Exhibit 21: Improvements at 138-kV Huffman
Substation**

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 21-C FOR PROPOSED SUBSTATION LAYOUT
DRAWING



SUBSTATION LOCATION MAP



EXISTING HUFFMAN SUBSTATION

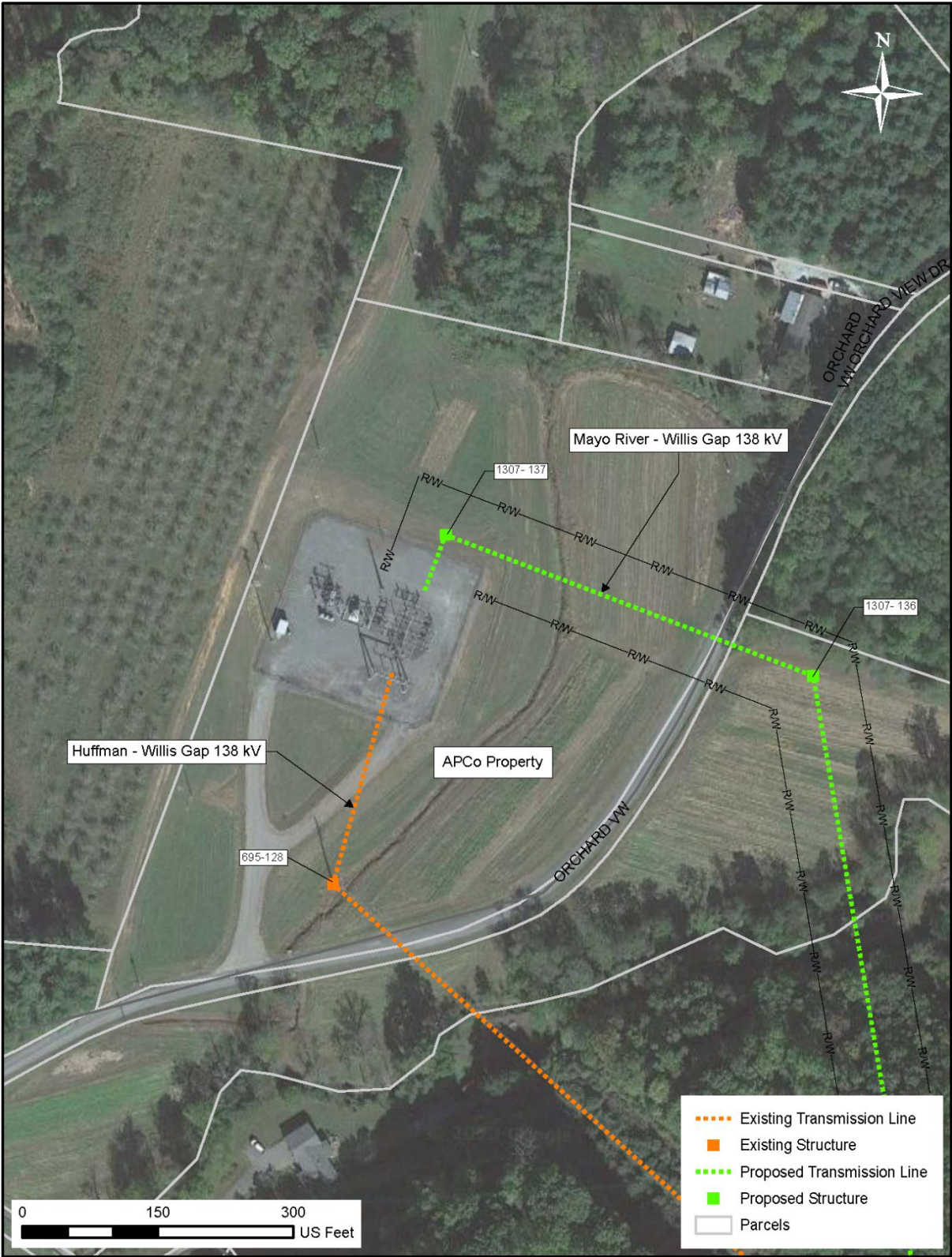
CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 21-C FOR PROPOSED SUBSTATION ONE-LINE
DRAWING

**Exhibit 22: Improvements at 138-kV Willis Gap
Substation**

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 22-C FOR PROPOSED SUBSTATION LAYOUT
DRAWING



SUBSTATION LOCATION MAP



EXISTING WILLIS GAP SUBSTATION

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 22-C FOR PROPOSED SUBSTATION ONE-LINE
DRAWING

**Exhibit 23: Proposed 138-kV Claudville
Substation**

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 23-C FOR PROPOSED SUBSTATION LAYOUT
DRAWING



Note: The house and garage were removed in 2022.

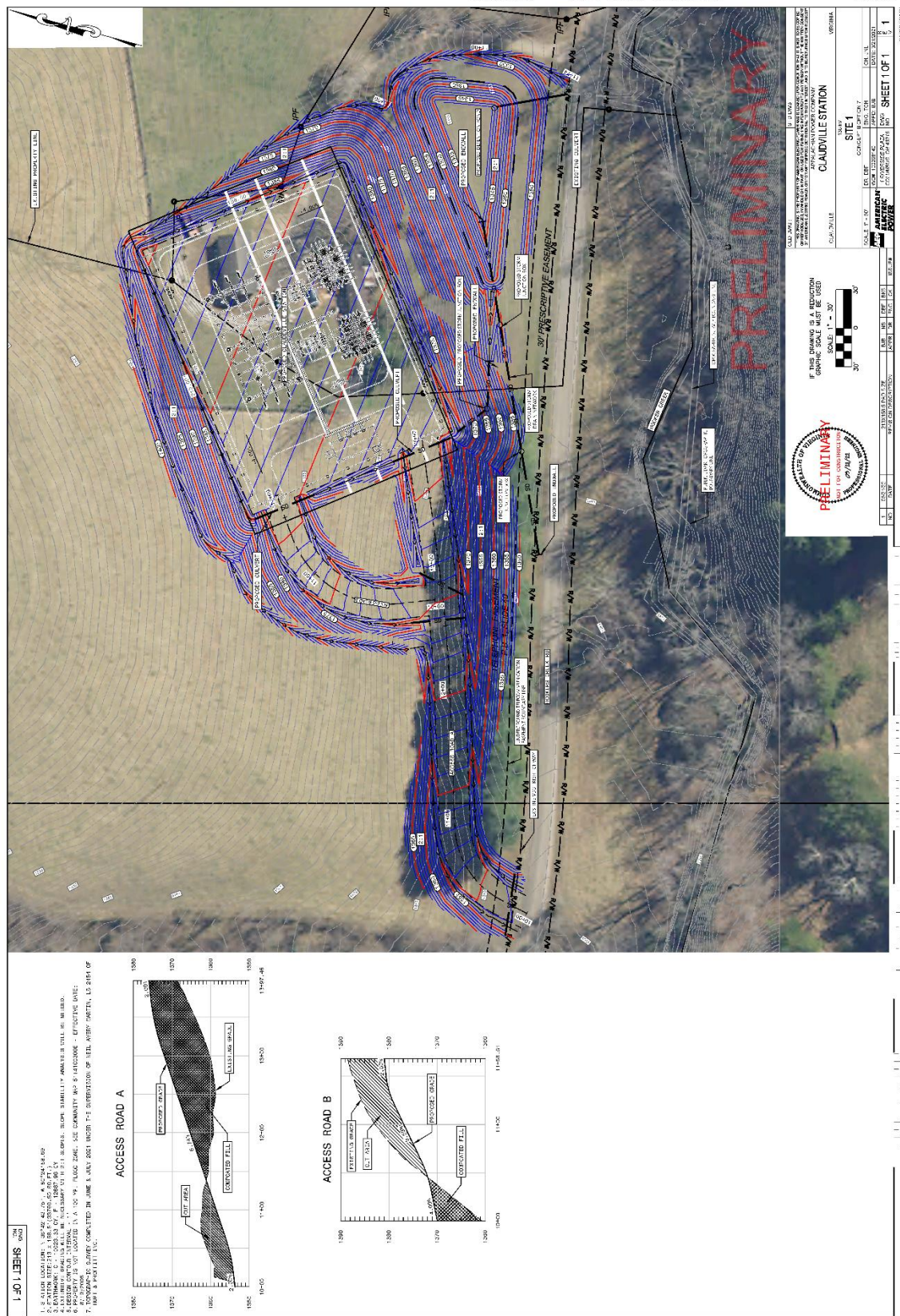
SUBSTATION LOCATION MAP



COMPARABLE SUBSTATION PHOTO

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 23-C FOR PROPOSED SUBSTATION ONE-LINE
DRAWING



SHEET 1 OF 1	
DATE	10/20/11
SCALE	1" = 30'
PROJECT	138-KV CLAUDVILLE SUBSTATION
DRAWN BY	W. H. HARRIS
CHECKED BY	C. J. HARRIS
DATE	10/20/11
SCALE	1" = 30'
PROJECT	138-KV CLAUDVILLE SUBSTATION
DRAWN BY	W. H. HARRIS
CHECKED BY	C. J. HARRIS
DATE	10/20/11

PRELIMINARY

FOR THE COMMISSION

STATE OF VIRGINIA

DEPARTMENT OF TRANSPORTATION

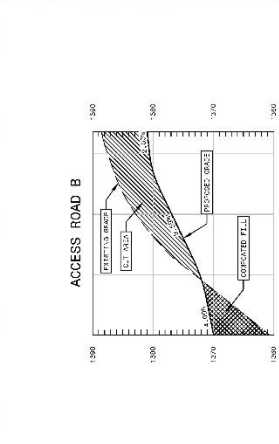
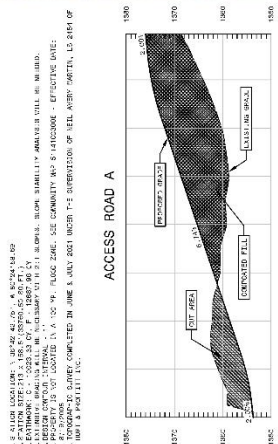
DIVISION OF HIGHWAYS

SCALE 1" = 30'

DATE 10/20/11

DRAWN BY W. H. HARRIS

CHECKED BY C. J. HARRIS



1. SHEET 1 OF 1
2. SHEET 2 OF 1
3. SHEET 3 OF 1
4. SHEET 4 OF 1
5. SHEET 5 OF 1
6. SHEET 6 OF 1
7. SHEET 7 OF 1
8. SHEET 8 OF 1
9. SHEET 9 OF 1
10. SHEET 10 OF 1
11. SHEET 11 OF 1
12. SHEET 12 OF 1
13. SHEET 13 OF 1
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27. SHEET 27 OF 1
28. SHEET 28 OF 1
29. SHEET 29 OF 1
30. SHEET 30 OF 1
31. SHEET 31 OF 1
32. SHEET 32 OF 1
33. SHEET 33 OF 1
34. SHEET 34 OF 1
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36. SHEET 36 OF 1
37. SHEET 37 OF 1
38. SHEET 38 OF 1
39. SHEET 39 OF 1
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41. SHEET 41 OF 1
42. SHEET 42 OF 1
43. SHEET 43 OF 1
44. SHEET 44 OF 1
45. SHEET 45 OF 1
46. SHEET 46 OF 1
47. SHEET 47 OF 1
48. SHEET 48 OF 1
49. SHEET 49 OF 1
50. SHEET 50 OF 1

SUBSTATION CIVIL CONCEPT

**Exhibit 24: Proposed 138-kV Mayo River
Substation**

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 24-C FOR PROPOSED SUBSTATION LAYOUT
DRAWING



SUBSTATION LOCATION MAP



COMPARABLE SUBSTATION PHOTO

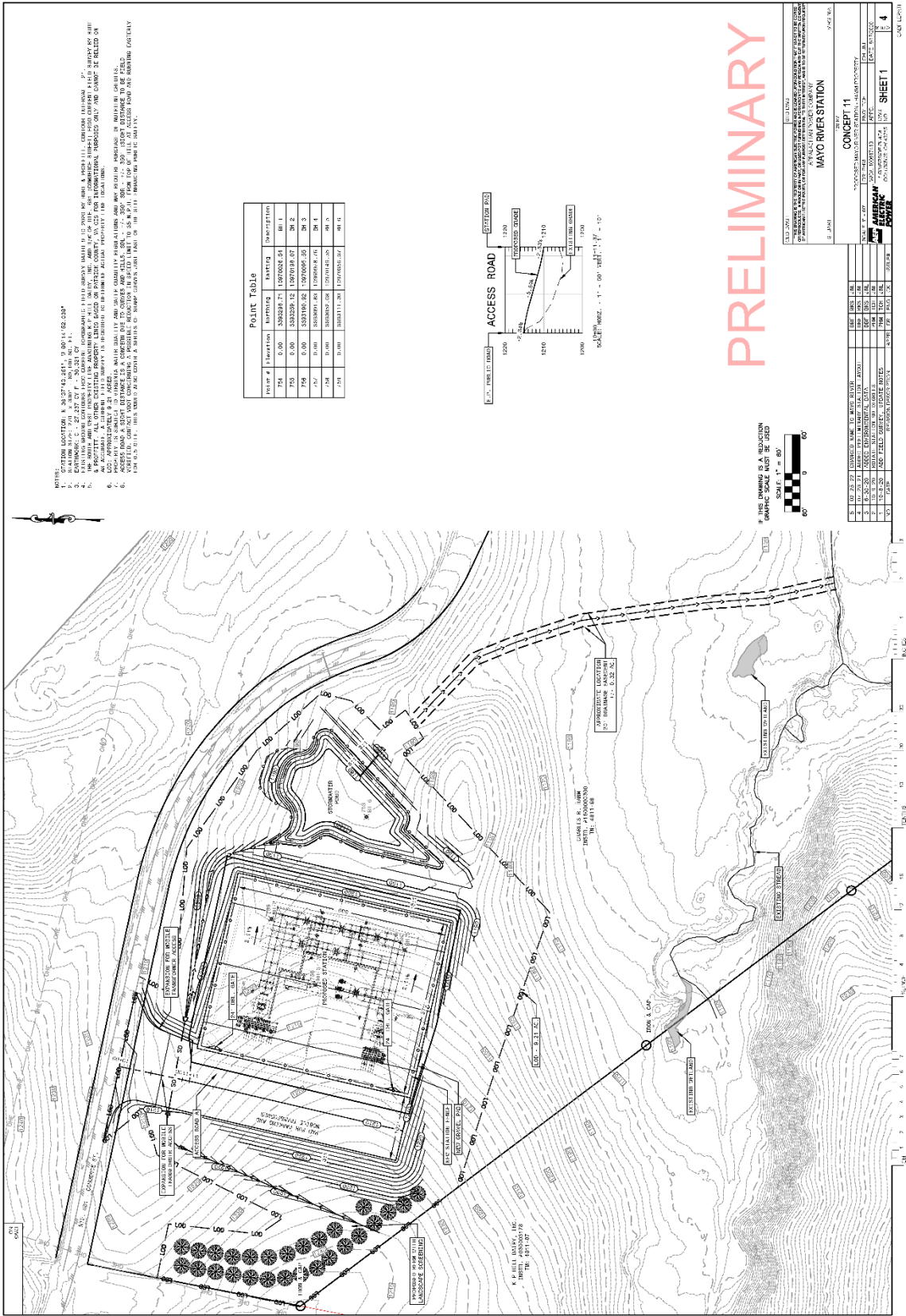
(Also, see Visual Simulation, Exhibit 37 (Page 7 of 7))

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 24-C FOR PROPOSED SUBSTATION ONE-LINE
DRAWING

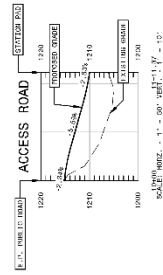
CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 24-C FOR PROPOSED SUBSTATION ONE-LINE
DRAWING



NOTES:
 1. THIS DRAWING IS A PRELIMINARY CONCEPT DRAWING AND IS NOT TO BE USED FOR CONSTRUCTION.
 2. ALL DIMENSIONS ARE IN FEET AND DECIMALS THEREOF.
 3. ALL DISTANCES ARE MEASURED FROM THE CENTERLINE OF THE ROAD.
 4. ALL DISTANCES ARE MEASURED FROM THE CENTERLINE OF THE ROAD.
 5. ALL DISTANCES ARE MEASURED FROM THE CENTERLINE OF THE ROAD.
 6. ALL DISTANCES ARE MEASURED FROM THE CENTERLINE OF THE ROAD.

NO.	DESCRIPTION	AMOUNT	TOTAL
1	CONCEPT DESIGN	100,000.00	100,000.00
2	PERMITS	50,000.00	150,000.00
3	CONSTRUCTION	1,000,000.00	1,150,000.00
4	OPERATION & MAINTENANCE	100,000.00	1,250,000.00
5	RESERVE	100,000.00	1,350,000.00
6	TOTAL		1,350,000.00



PRELIMINARY

MAYO RIVER STATION
 CONCEPT 11
 SHEET 11 OF 14

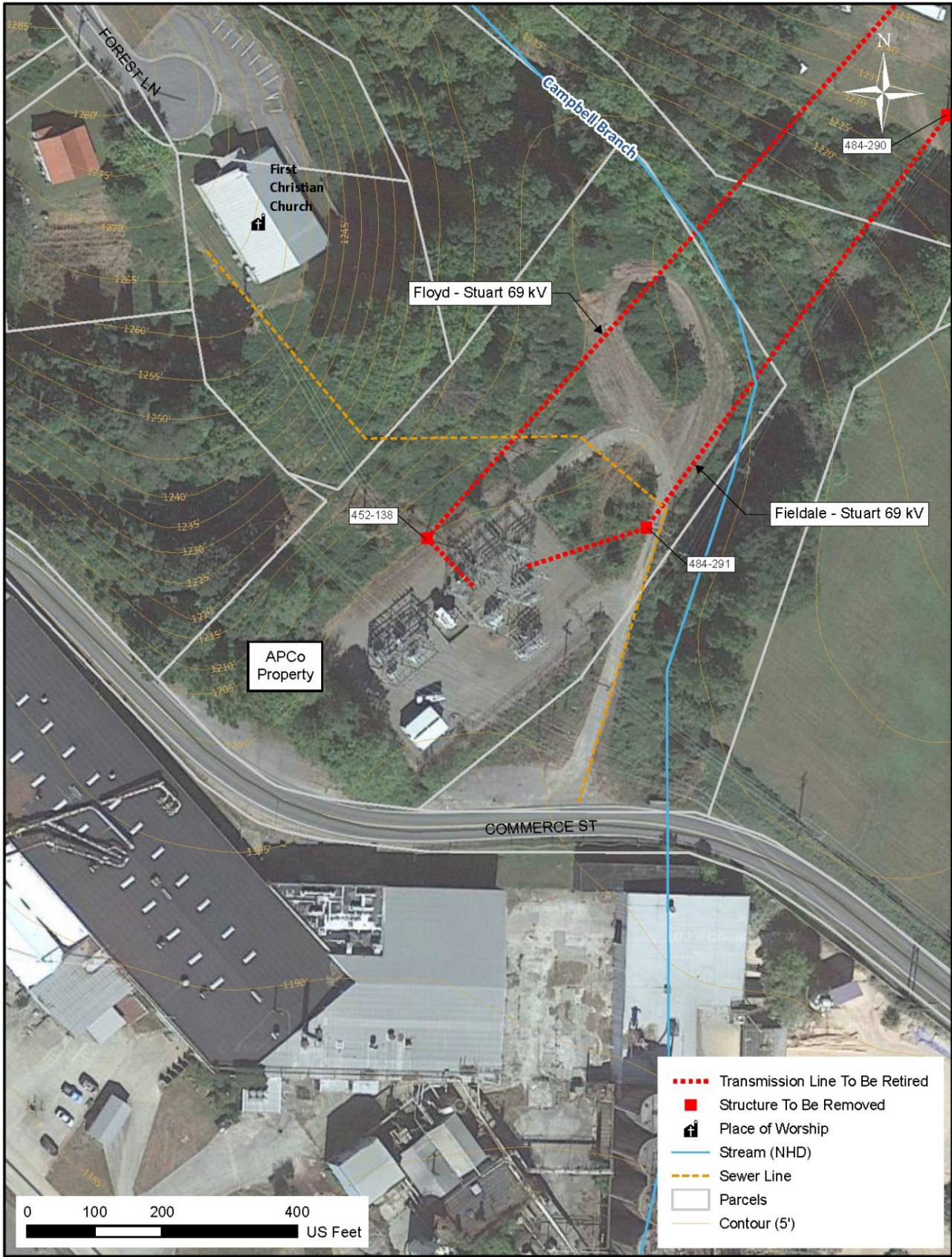
DATE: 11/11/2014
 DRAWN BY: J. B. BROWN
 CHECKED BY: J. B. BROWN
 PROJECT NO.: 138KV MAYO RIVER STATION

SCALE: 1" = 60'

IF THE DRAWING IS A REDUCTION
 DIMENSIONAL SCALE MUST BE USED

SUBSTATION CIVIL CONCEPT

Exhibit 25: Existing 69-kV Stuart Substation (to be retired)



SUBSTATION LOCATION MAP

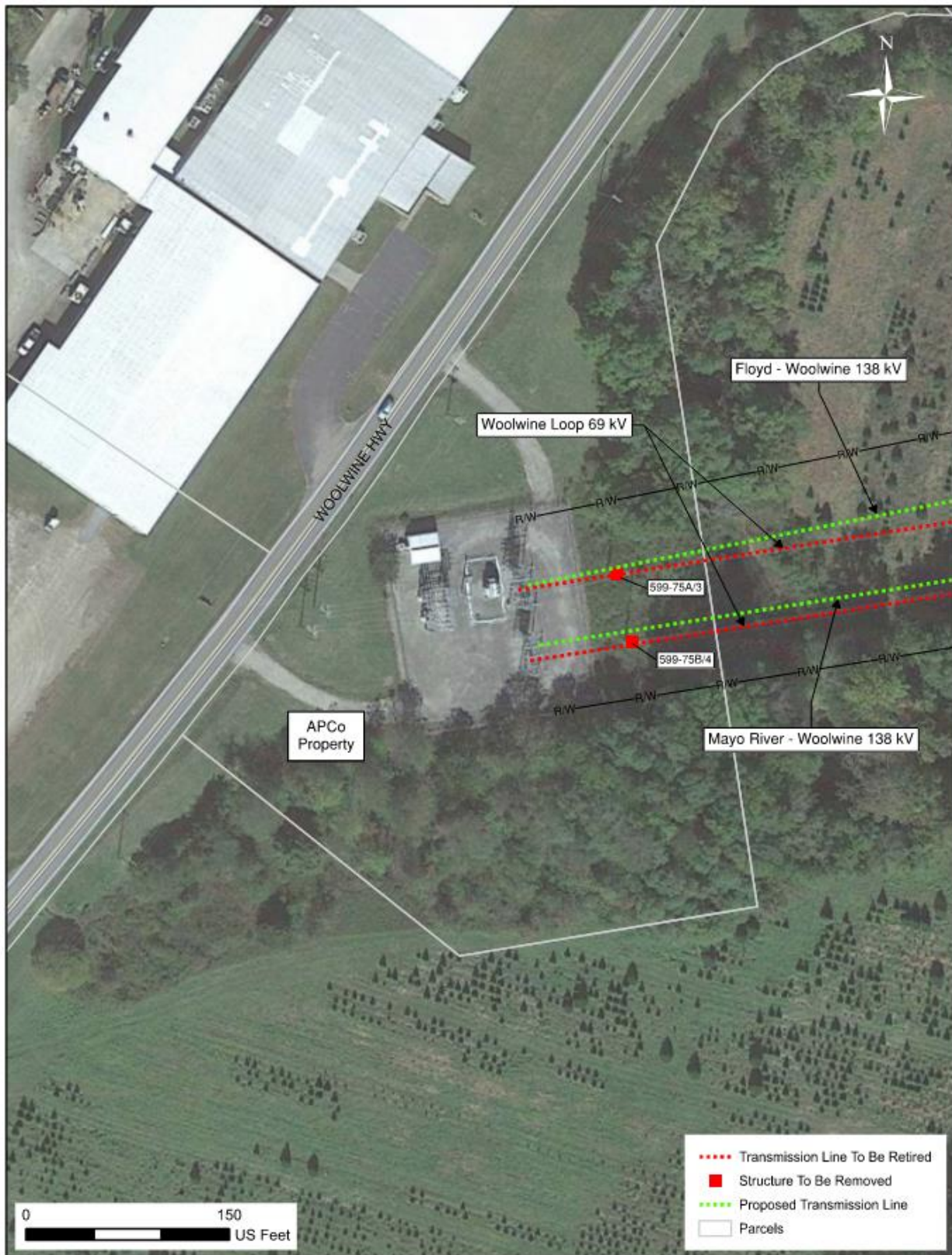


EXISTING STUART RETIREMENT SUBSTATION

**Exhibit 26: Improvements at 138-kV Woolwine
Substation**

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 26-C FOR PROPOSED SUBSTATION LAYOUT
DRAWING



SUBSTATION LOCATION MAP



EXISTING WOOLWINE SUBSTATION

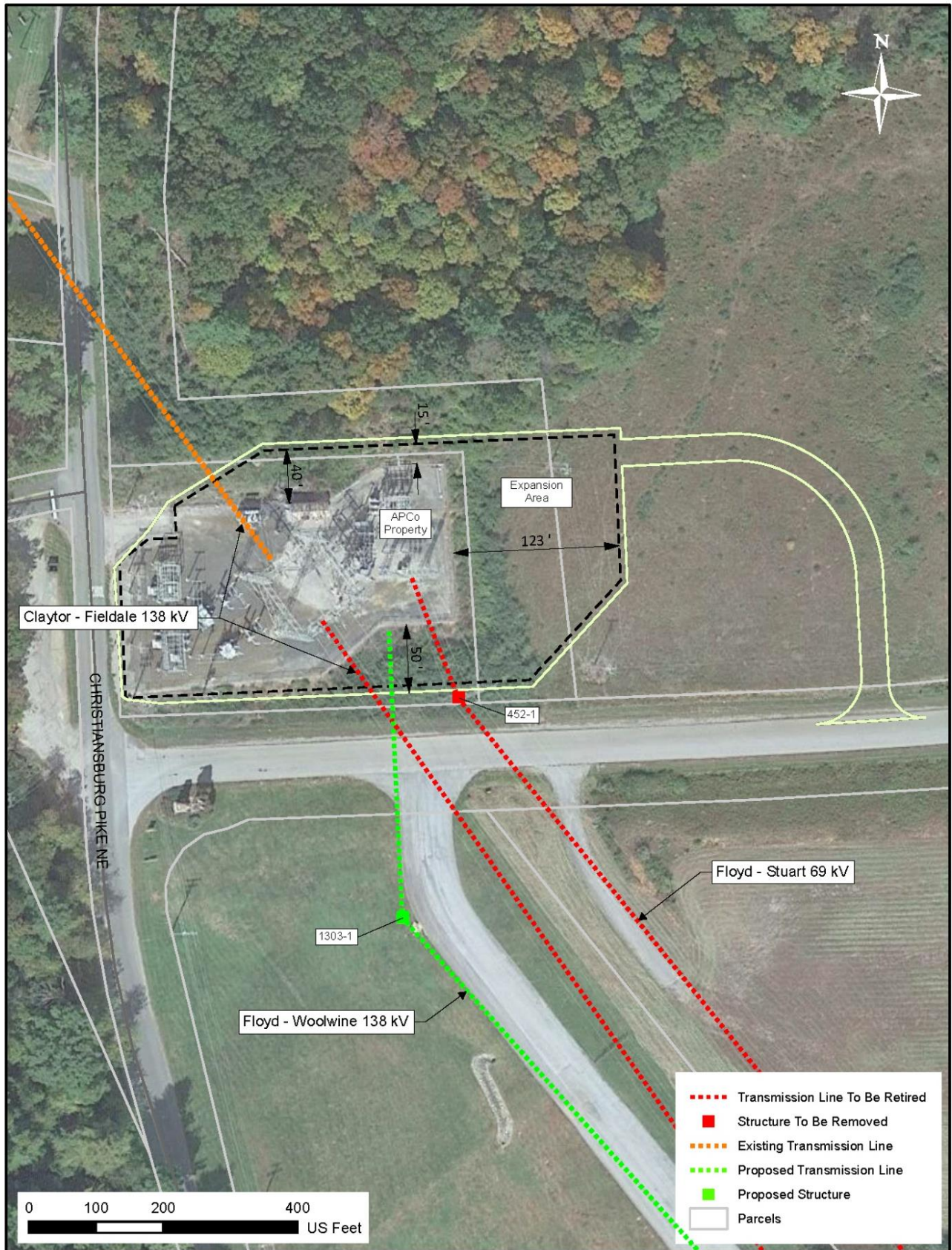
CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 26-C FOR PROPOSED SUBSTATION ONE-LINE
DRAWING

**Exhibit 27: Improvements at 138-kV Floyd
Substation**

CONFIDENTIAL INFORMATION

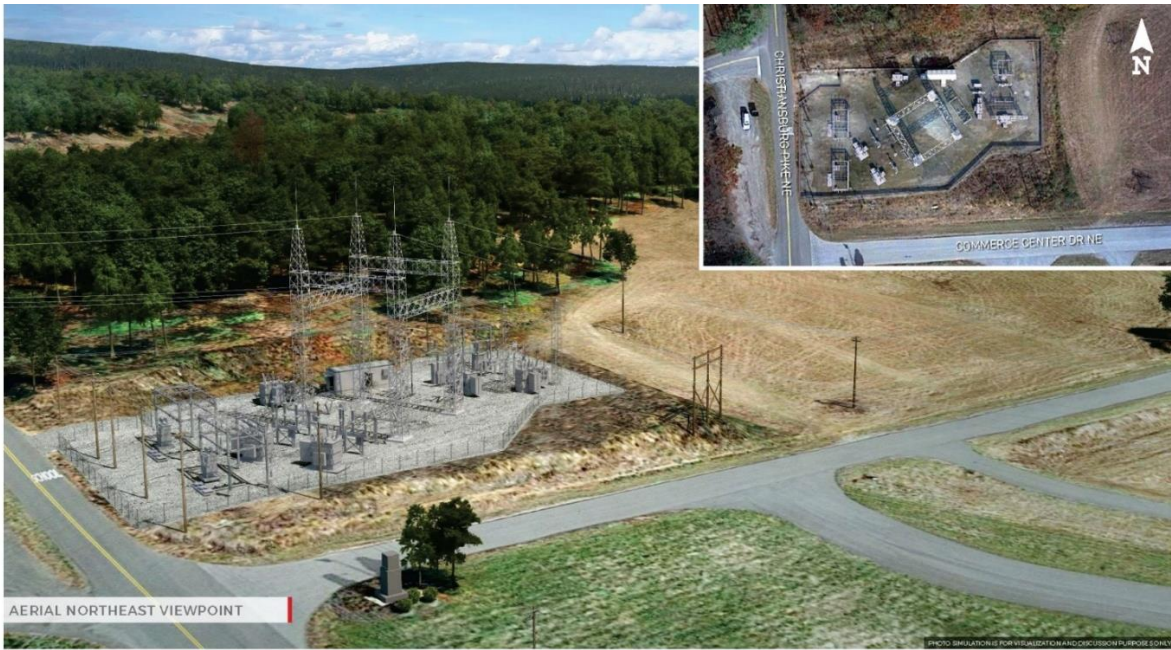
SEE VOLUME 4 – EXHIBIT 27-C FOR PROPOSED SUBSTATION LAYOUT
DRAWING



SUBSTATION LOCATION MAP



EXISTING FLOYD SUBSTATION



FLOYD SUBSTATION
EXPANSION PROJECT
SIMULATION EXISTING



FLOYD SUBSTATION
EXPANSION PROJECT
SIMULATION PROPOSED



CONCEPTUAL RENDERINGS

CONFIDENTIAL INFORMATION

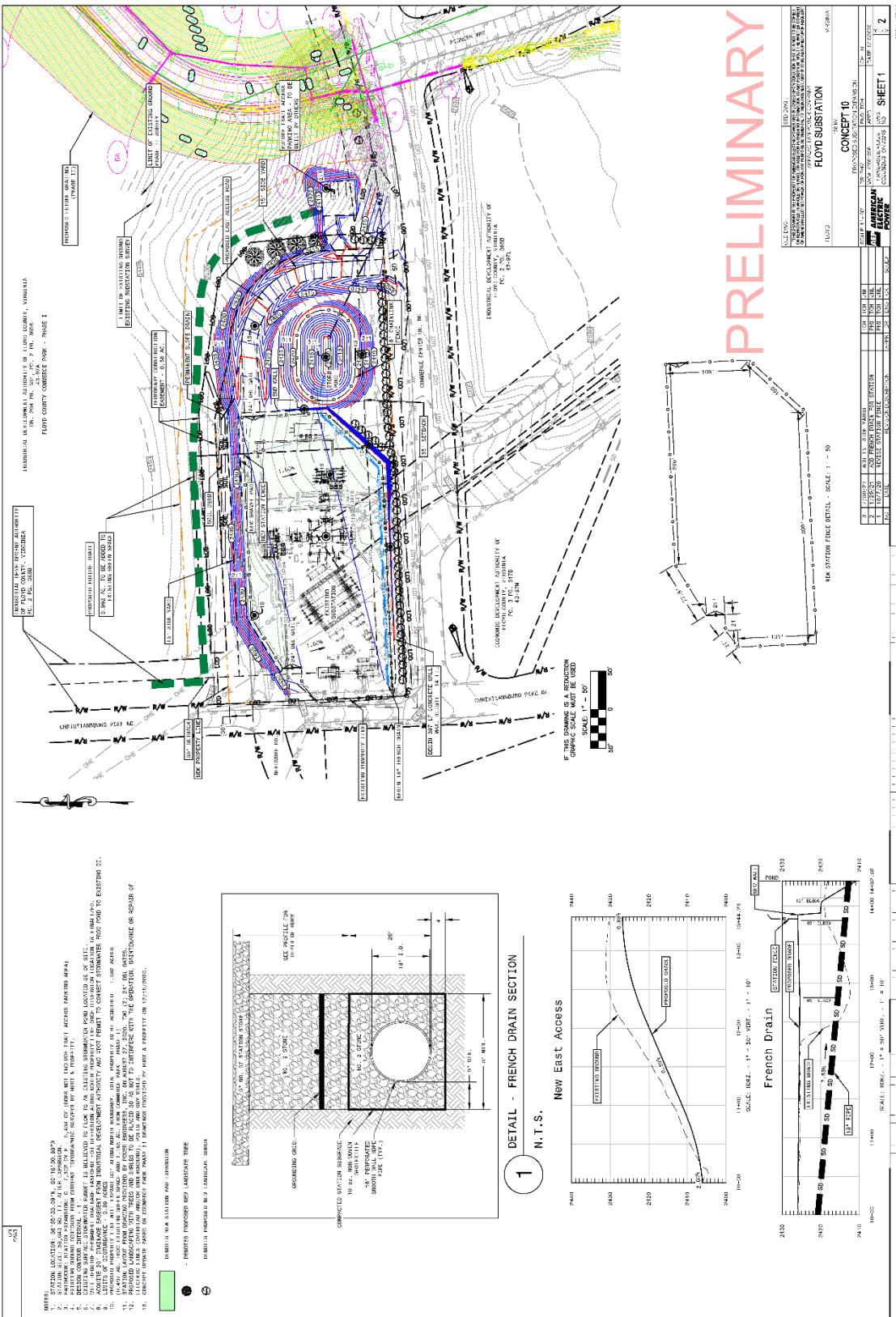
SEE VOLUME 4 – EXHIBIT 27-C FOR PROPOSED SUBSTATION ONE-LINE
DRAWING

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 27-C FOR PROPOSED SUBSTATION ONE-LINE
DRAWING

CONFIDENTIAL INFORMATION

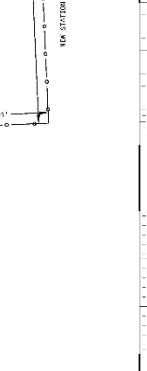
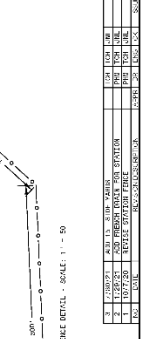
SEE VOLUME 4 – EXHIBIT 27-C FOR PROPOSED SUBSTATION ONE-LINE
DRAWING



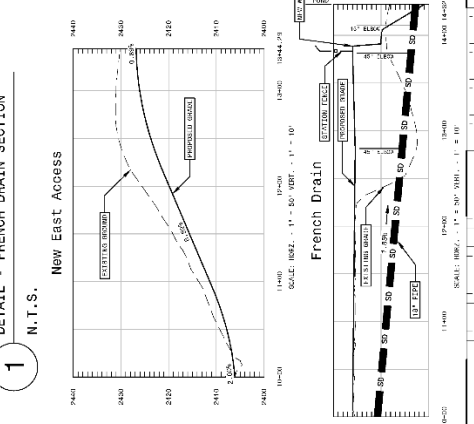
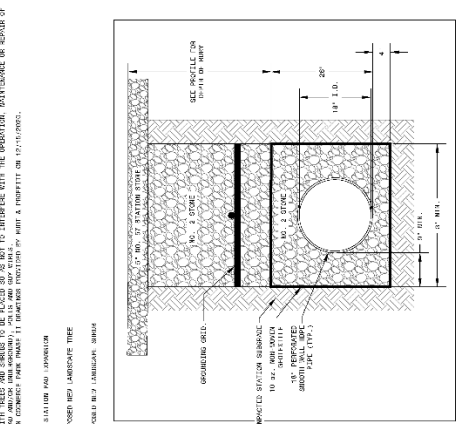
CONCEPT 10
 FLOYD SUBSTATION

NO.	DATE	BY	CHKD	APP'D	SCALE	DESCRIPTION
1	07/15/20	AMERICAN ELECTRIC POWER			1" = 100'	CONCEPT 10
2	07/15/20	AMERICAN ELECTRIC POWER			1" = 100'	CONCEPT 10

PROJECT: FLOYD SUBSTATION IMPROVEMENTS
 SHEET 10 OF 12



- NOTES:
1. STATION LOCATION: 36° 05' 33.08" N, 077° 16' 30.80" W
 2. ELEVATION: 241.57 FEET (74.66 METERS)
 3. DATE: 07/15/2020
 4. DRAWN BY: J. B. [REDACTED]
 5. CHECKED BY: [REDACTED]
 6. SCALE: 1" = 100'
 7. THIS PLAN SHOWS THE PROPOSED IMPROVEMENTS TO THE EXISTING 138-KV FLOYD SUBSTATION. THE EXISTING SUBSTATION LAYOUT IS SHOWN IN RED.
 8. ALL NEW CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE VIRGINIA ELECTRICAL CODE AND THE NATIONAL ELECTRICAL CODE.
 9. ALL UTILITIES SHALL BE LOCATED AND DEPTH MARKED AS SHOWN ON THE ATTACHED UTILITIES MAP.
 10. ALL UTILITIES SHALL BE PROTECTED AND MAINTAINED AT ALL TIMES.
 11. THE PROPOSED IMPROVEMENTS SHALL BE INSTALLED AS SHOWN ON THIS PLAN AND SHALL NOT INTERFERE WITH THE OPERATION, MAINTENANCE OR REPAIR OF EXISTING EQUIPMENT.
 12. THE PROPOSED IMPROVEMENTS SHALL BE INSTALLED AS SHOWN ON THIS PLAN AND SHALL NOT INTERFERE WITH THE OPERATION, MAINTENANCE OR REPAIR OF EXISTING EQUIPMENT.

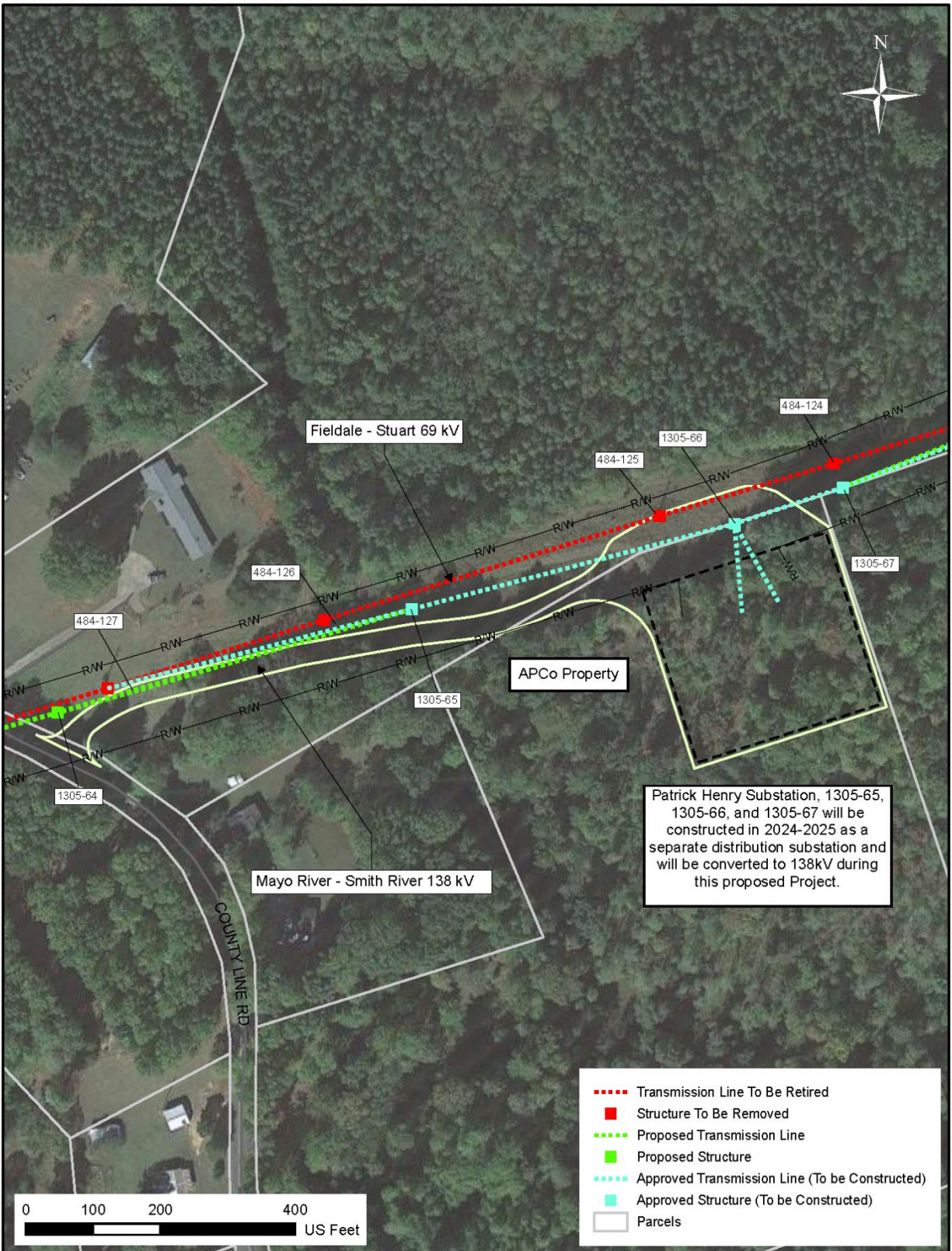


SUBSTATION CIVIL CONCEPT

**Exhibit 28: Improvements at 138-kV Patrick
Henry Substation**

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 28-C FOR PROPOSED SUBSTATION LAYOUT
DRAWING



SUBSTATION LOCATION MAP



COMPARABLE SUBSTATION PHOTO

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 28-C FOR PROPOSED SUBSTATION ONE-LINE
DRAWING

**Exhibit 29: Proposed 138-kV Smith River
Substation**

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 29-C FOR PROPOSED SUBSTATION LAYOUT
DRAWING



SUBSTATION LOCATION MAP



JOSHUA FALLS | PERIMETER 1 VIEW 3
COMPARABLE SUBSTATION PHOTO

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 29-C FOR PROPOSED SUBSTATION ONE-LINE
DRAWING

CONFIDENTIAL INFORMATION

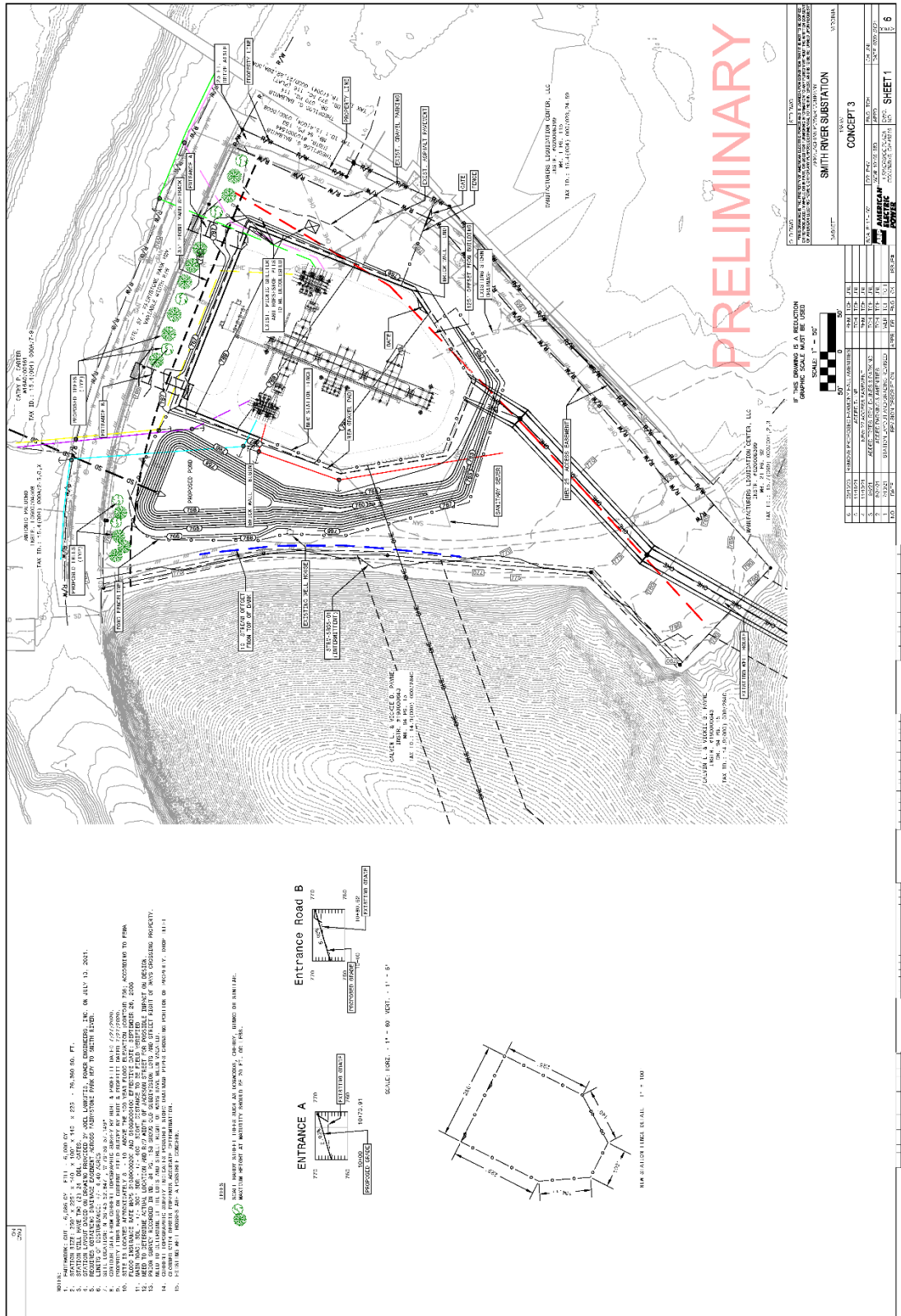
SEE VOLUME 4 – EXHIBIT 29-C FOR PROPOSED SUBSTATION ONE-LINE
DRAWING



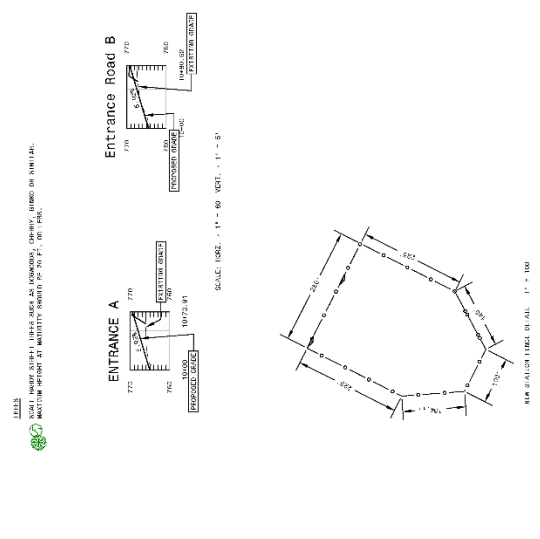
CONCEPTUAL RENDERING



CONCEPTUAL RENDERING



- 1. THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF AMERICAN POWER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AMERICAN POWER.
- 2. THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF AMERICAN POWER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AMERICAN POWER.
- 3. THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF AMERICAN POWER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AMERICAN POWER.
- 4. THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF AMERICAN POWER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AMERICAN POWER.
- 5. THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF AMERICAN POWER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AMERICAN POWER.
- 6. THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF AMERICAN POWER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AMERICAN POWER.
- 7. THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF AMERICAN POWER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AMERICAN POWER.
- 8. THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF AMERICAN POWER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AMERICAN POWER.
- 9. THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF AMERICAN POWER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AMERICAN POWER.
- 10. THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF AMERICAN POWER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AMERICAN POWER.
- 11. THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF AMERICAN POWER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AMERICAN POWER.
- 12. THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF AMERICAN POWER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AMERICAN POWER.
- 13. THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF AMERICAN POWER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AMERICAN POWER.
- 14. THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF AMERICAN POWER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AMERICAN POWER.
- 15. THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF AMERICAN POWER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AMERICAN POWER.



SUBSTATION CIVIL CONCEPT

**Exhibit 30: Proposed 138-kV Stoneleigh
Substation**

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 30-C FOR PROPOSED SUBSTATION LAYOUT
DRAWING



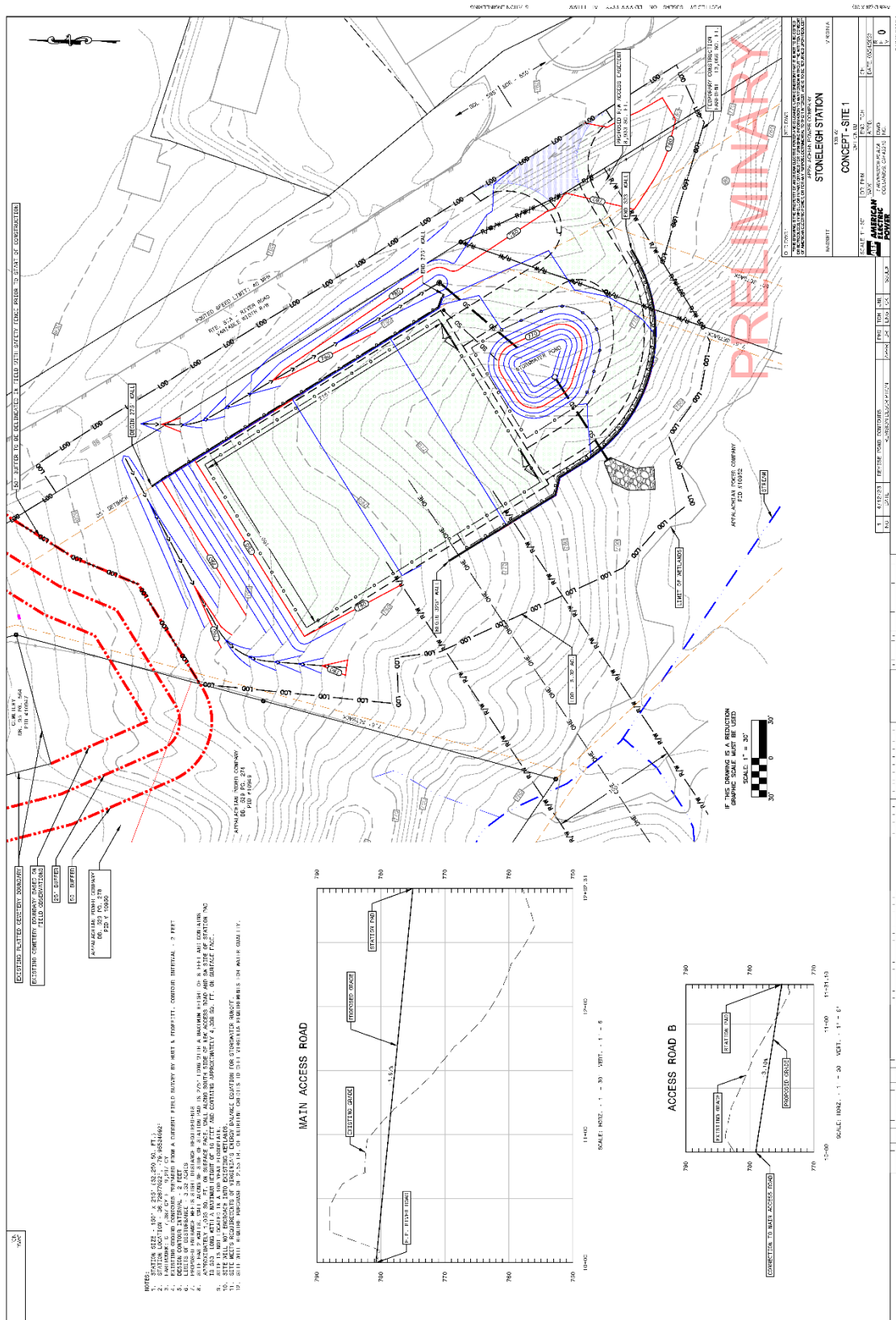
SUBSTATION LOCATION MAP



COMPARABLE SUBSTATION PHOTO

CONFIDENTIAL INFORMATION

**SEE VOLUME 4 – EXHIBIT 30-C FOR PROPOSED SUBSTATION ONE-LINE
DRAWING**

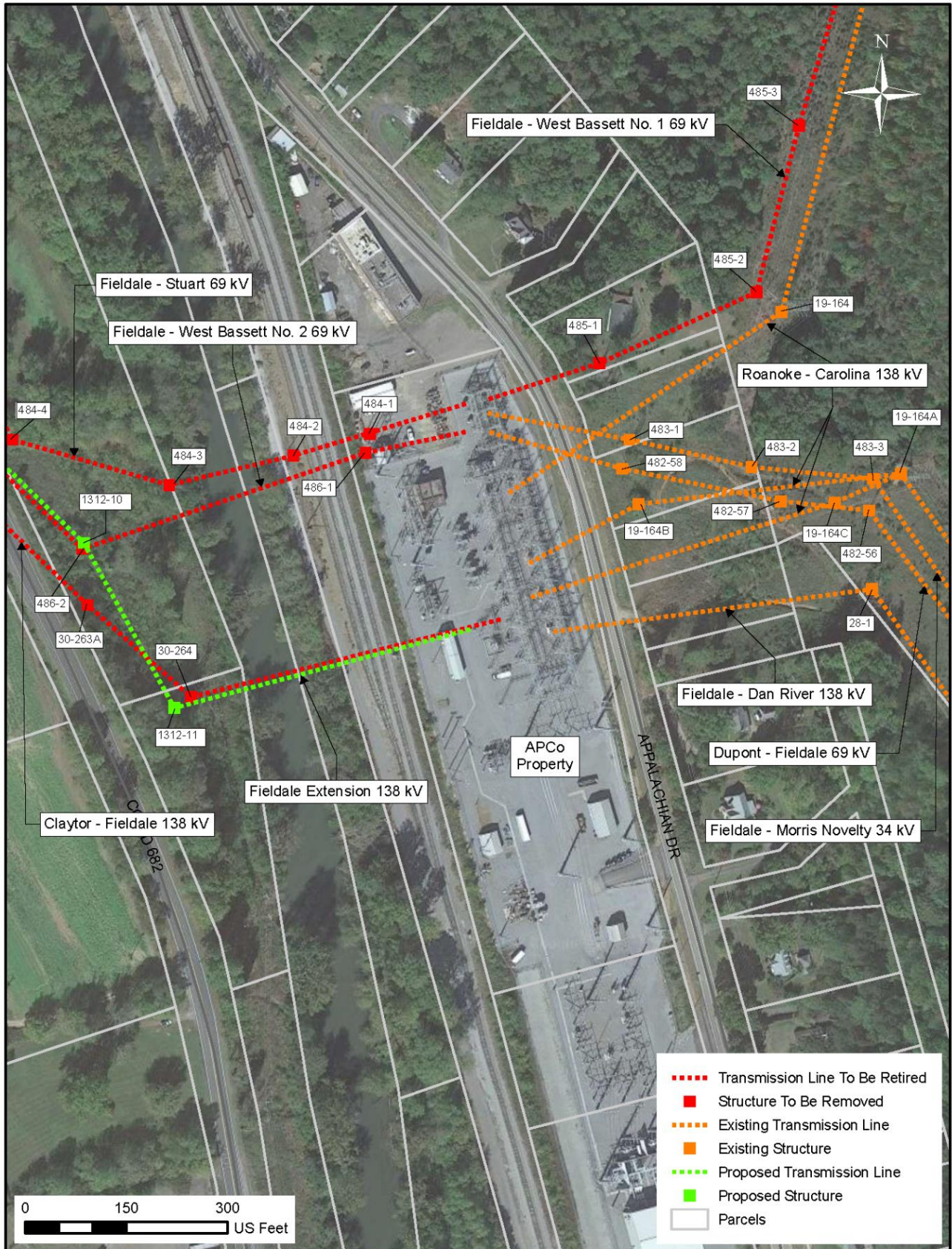


SUBSTATION CIVIL CONCEPT

**Exhibit 31: Improvements at 69/138-kV
Fieldale Substation**

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 31-C FOR PROPOSED SUBSTATION LAYOUT
DRAWING



SUBSTATION LOCATION MAP

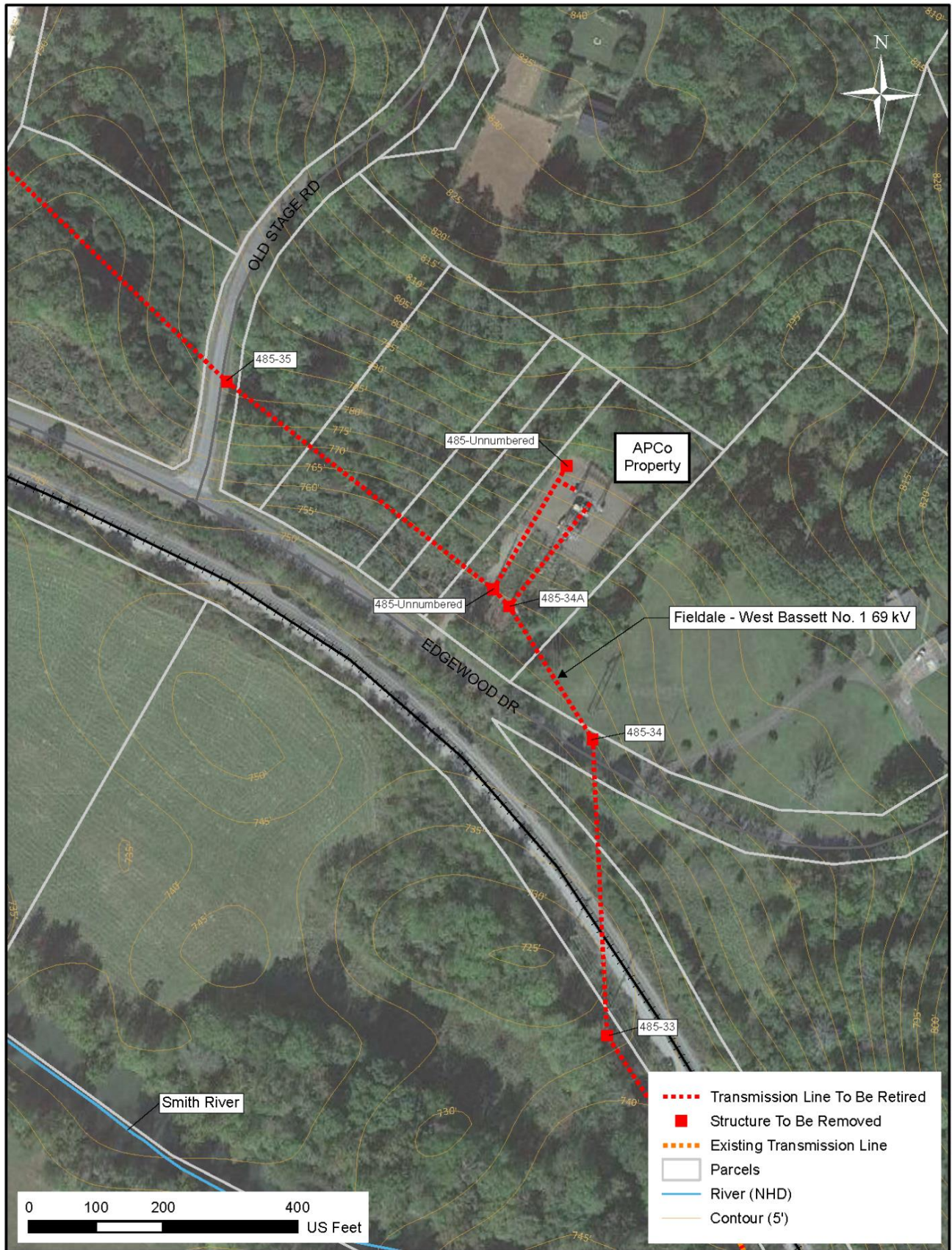


EXISTING FIELDALE SUBSTATION

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 31-C FOR PROPOSED SUBSTATION ONE-LINE
DRAWING

**Exhibit 32: Existing 69-kV Stanleytown
Substation (to be retired)**

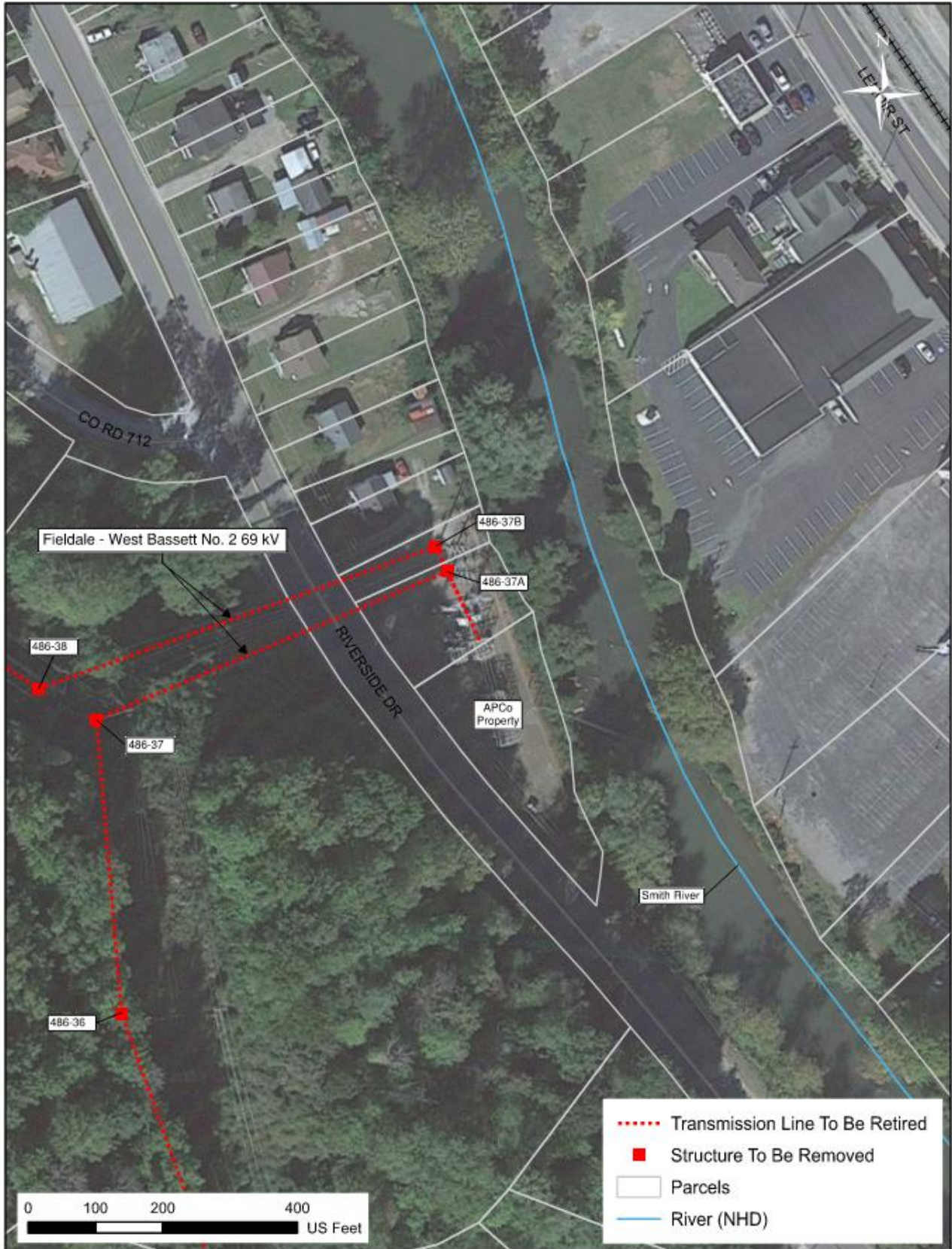


SUBSTATION LOCATION MAP



EXISTING STANLEYTOWN RETIREMENT SUBSTATION

**Exhibit 33: Existing 69-kV Bassett Substation
(to be retired)**



SUBSTATION LOCATION MAP

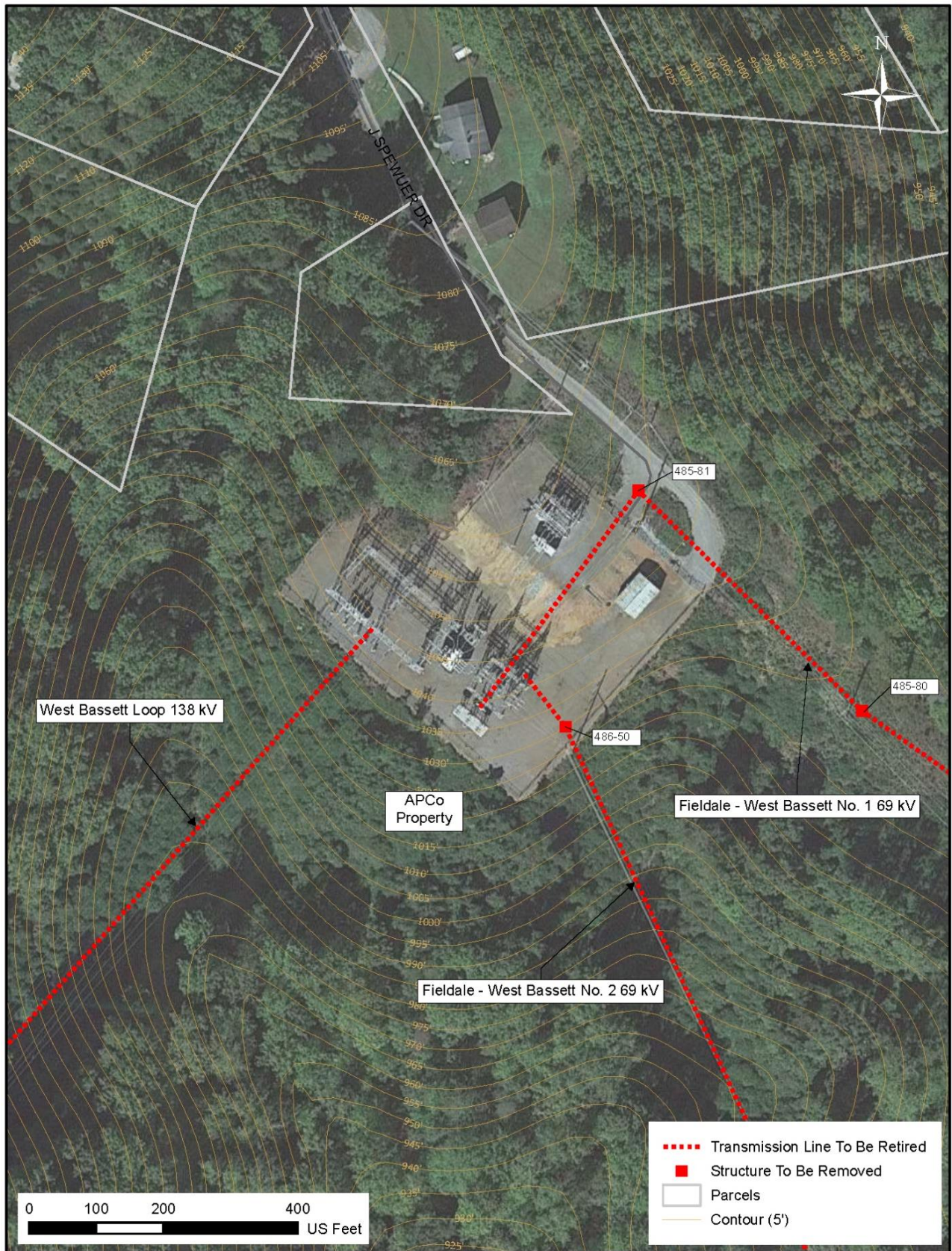


EXISTING BASSETT RETIREMENT SUBSTATION



EXISTING BASSETT RETIREMENT SUBSTATION

**Exhibit 34: Existing 69/138-kV West Bassett
Substation (to be retired)**

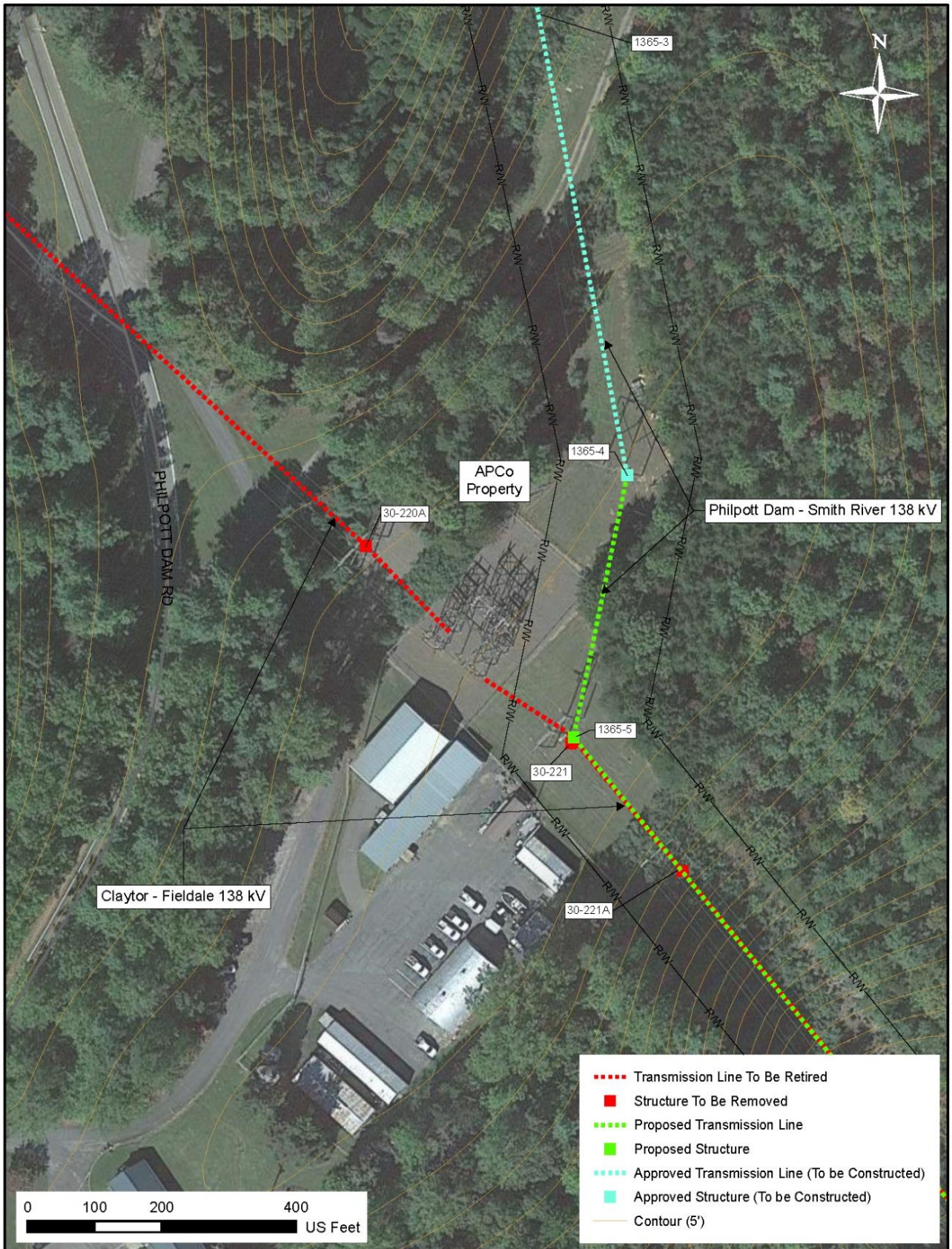


SUBSTATION LOCATION MAP



EXISTING WEST BASSETT RETIREMENT SUBSTATION

**Exhibit 35: Existing 138-kV Philpott Switch
(to be retired)**



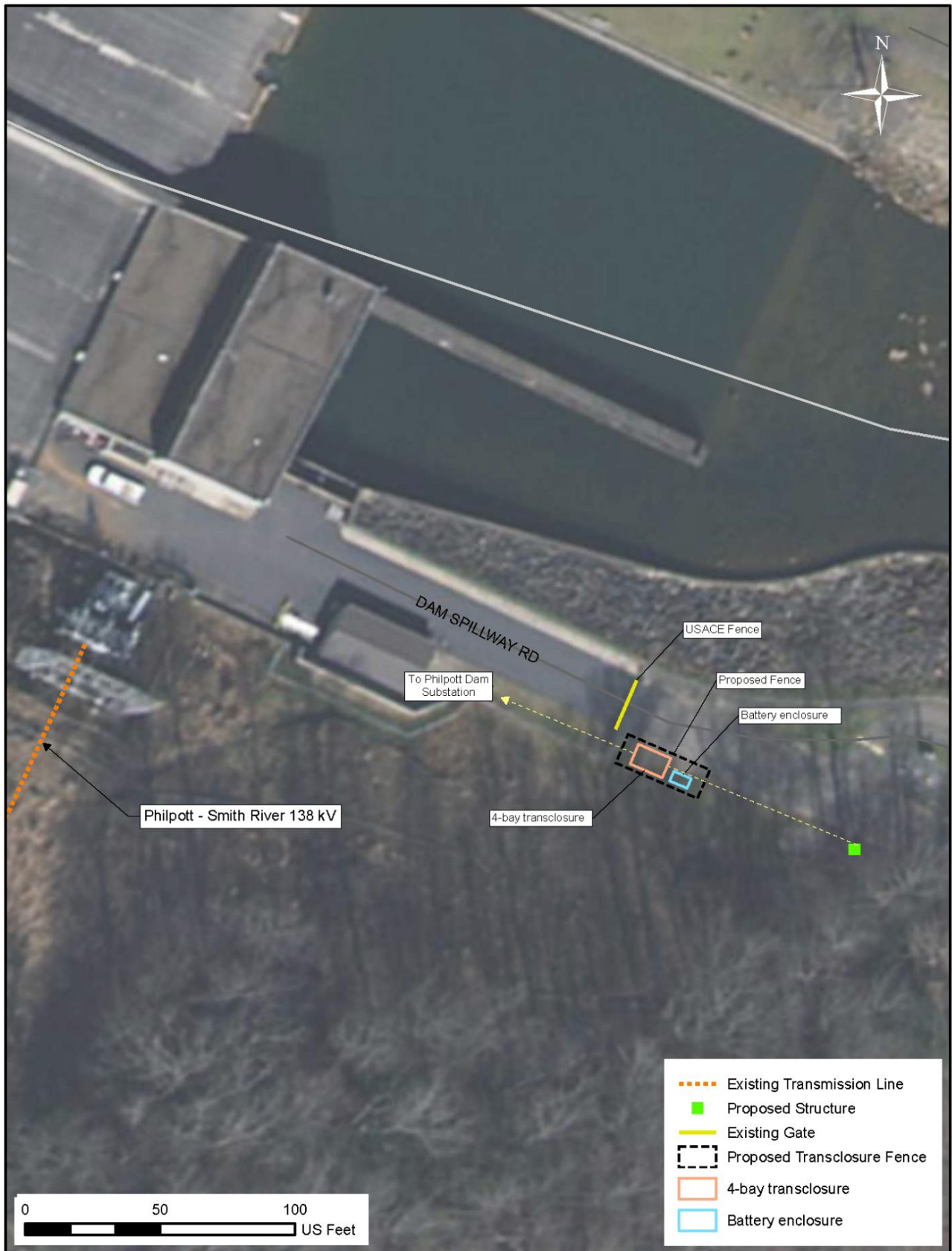
SUBSTATION LOCATION MAP



EXISTING PHILPOTT SWITCH SUBSTATION (to be Retired)

**Exhibit 36: Existing 138-kV Fairystone
Substation (Transclosure)**

CONFIDENTIAL INFORMATION
SEE VOLUME 4 – EXHIBIT 36-C FOR PROPOSED SUBSTATION
TRANSCLOSURE LAYOUT



PROPOSED SUBSTATION TRANCLOSURE LAYOUT MAP

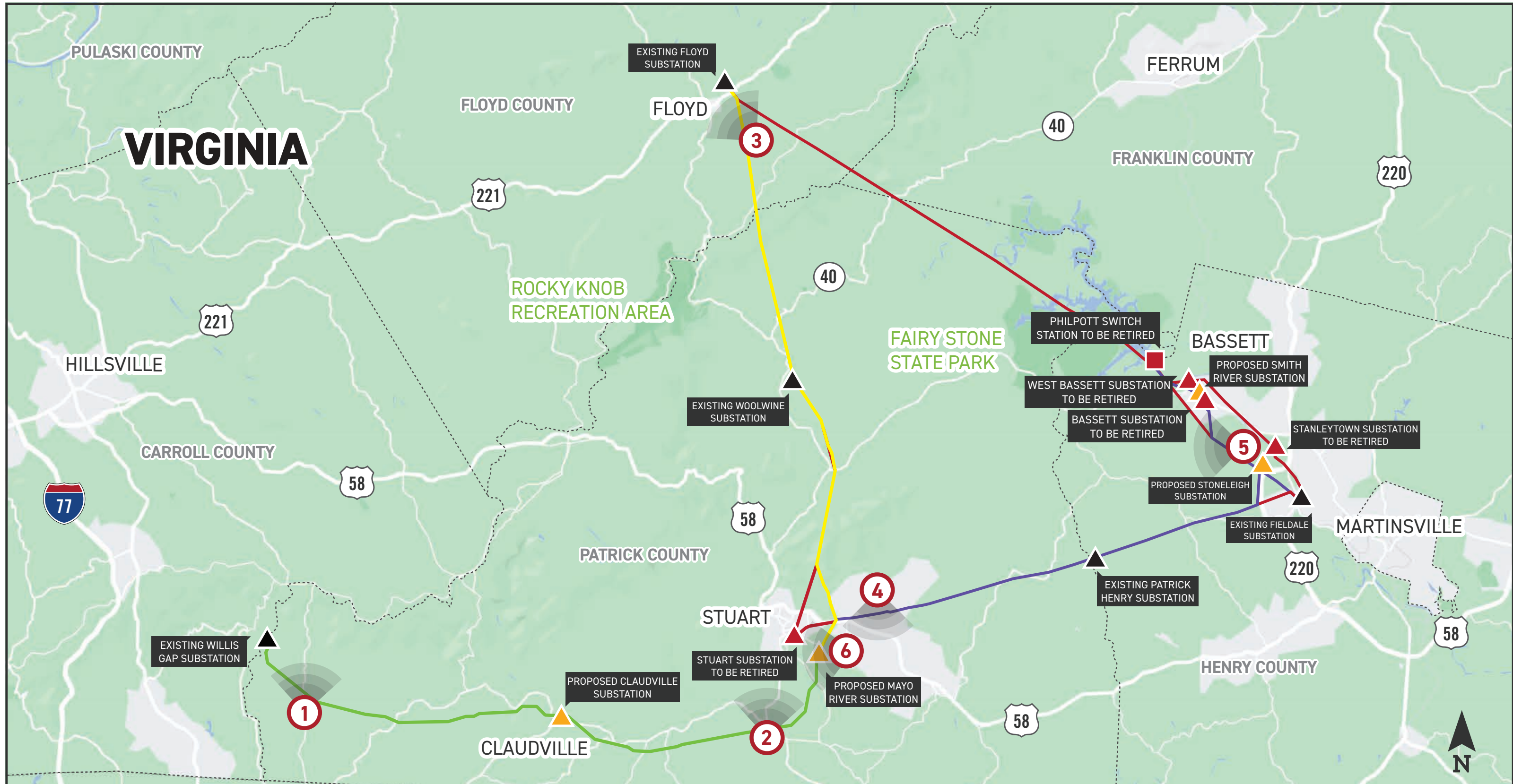
Exhibit 37: Visual Simulations

STUART AREA

138-kV TRANSMISSION IMPROVEMENTS PROJECT

- COMPONENT 1 PROPOSED ROUTE
- COMPONENT 2 PROPOSED ROUTE
- COMPONENT 3 PROPOSED ROUTE
- EXISTING TRANSMISSION LINE TO BE RETIRED
- EXISTING SWITCH STATION TO BE RETIRED

- ▲ EXISTING SUBSTATION
- ▲ PROPOSED SUBSTATION
- ▲ EXISTING SUBSTATION TO BE RETIRED
- ① PHOTO VIEWPOINT LOCATION



STUART AREA

138-kV TRANSMISSION IMPROVEMENTS PROJECT

PHOTO VIEWPOINT 1

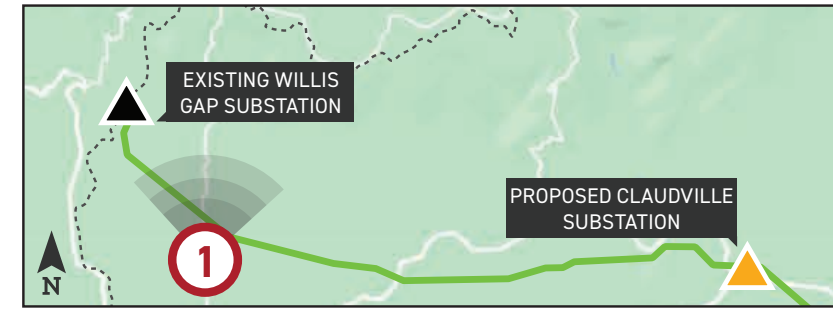
WILLIS GAP MOUNTAIN ROAD, VIEWING NORTH

DATE:
05/12/2022

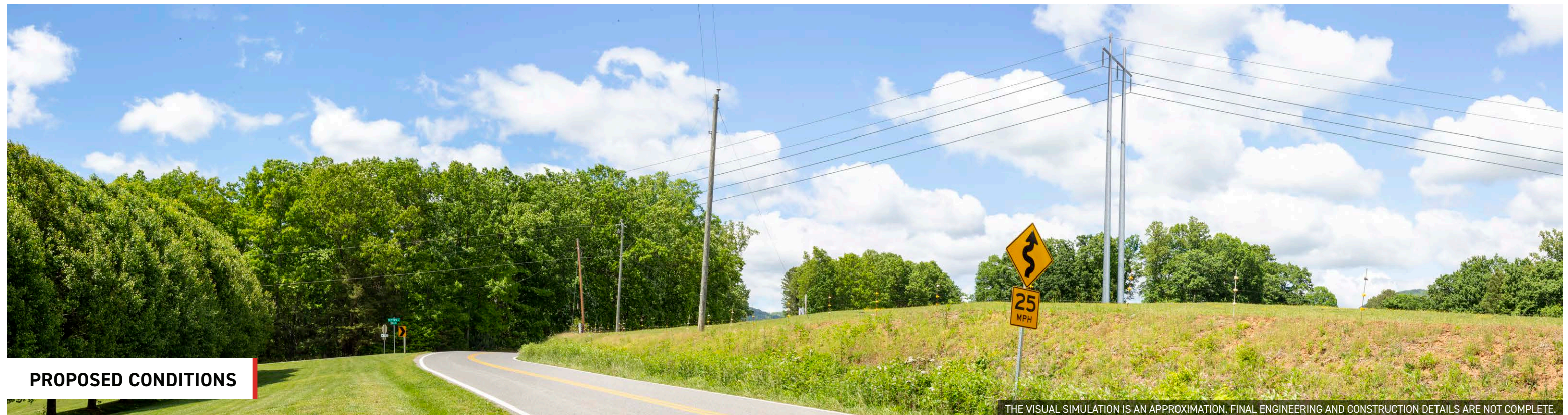
TIME:
1:55 PM

DIRECTION:
NORTH

- COMPONENT 1 PROPOSED ROUTE
- ▲ EXISTING SUBSTATION
- ▲ PROPOSED SUBSTATION
- ① PHOTO VIEWPOINT LOCATION



EXISTING CONDITIONS



PROPOSED CONDITIONS

THE VISUAL SIMULATION IS AN APPROXIMATION. FINAL ENGINEERING AND CONSTRUCTION DETAILS ARE NOT COMPLETE.

STUART AREA

138-kV TRANSMISSION IMPROVEMENTS PROJECT

PHOTO VIEWPOINT 2

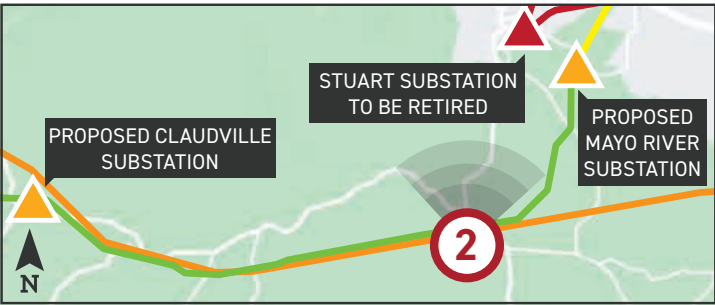
ROUTE 8, VIEWING NORTH

DATE:
05/12/2022

TIME:
12:46 PM

DIRECTION:
NORTH

- COMPONENT 1 PROPOSED ROUTE
- COMPONENT 2 PROPOSED ROUTE
- EXISTING TRANSMISSION LINE TO BE RETIRED
- CITY OF DANVILLE'S EXISTING PINNACLES - HYDRO 69-KV TRANSMISSION LINE
- PROPOSED SUBSTATION
- EXISTING SUBSTATION TO BE RETIRED
- PHOTO VIEWPOINT LOCATION



EXISTING CONDITIONS



PROPOSED CONDITIONS

THE VISUAL SIMULATION IS AN APPROXIMATION. FINAL ENGINEERING AND CONSTRUCTION DETAILS ARE NOT COMPLETE.

STUART AREA

138-kV TRANSMISSION IMPROVEMENTS PROJECT





PHOTO VIEWPOINT 3

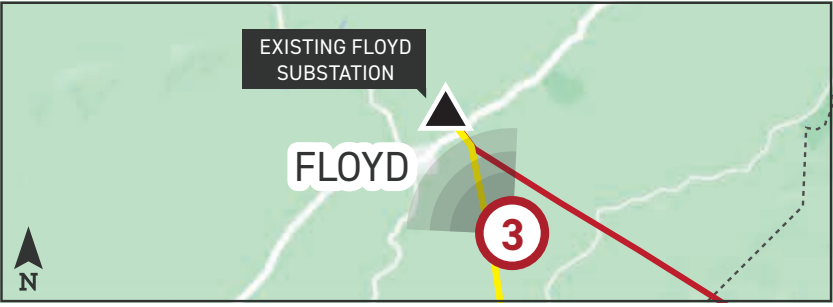
ROUTE 615, VIEWING NORTHWEST

DATE:
05/12/2022

TIME:
8:09 AM

DIRECTION:
NORTHWEST

-  COMPONENT 2 PROPOSED ROUTE
-  EXISTING TRANSMISSION LINE TO BE RETIRED
-  EXISTING SUBSTATION
-  PHOTO VIEWPOINT LOCATION



EXISTING CONDITIONS



PROPOSED CONDITIONS

THE VISUAL SIMULATION IS AN APPROXIMATION. FINAL ENGINEERING AND CONSTRUCTION DETAILS ARE NOT COMPLETE.

STUART AREA

138-kV TRANSMISSION IMPROVEMENTS PROJECT

PHOTO VIEWPOINT 4

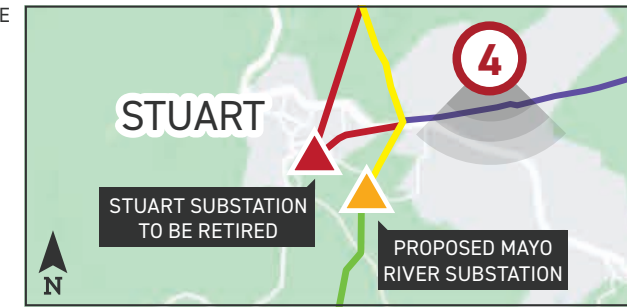
CIRCLE DRIVE, VIEWING SOUTH

DATE:
05/12/2022

TIME:
11:57 AM

DIRECTION:
SOUTH

- COMPONENT 1 PROPOSED ROUTE
- COMPONENT 2 PROPOSED ROUTE
- EXISTING TRANSMISSION LINE TO BE RETIRED
- PROPOSED SUBSTATION
- EXISTING SUBSTATION TO BE RETIRED
- PHOTO VIEWPOINT LOCATION
- COMPONENT 3 PROPOSED ROUTE



EXISTING CONDITIONS



PROPOSED CONDITIONS

THE VISUAL SIMULATION IS AN APPROXIMATION. FINAL ENGINEERING AND CONSTRUCTION DETAILS ARE NOT COMPLETE.

STUART AREA

138-kV TRANSMISSION IMPROVEMENTS PROJECT

PHOTO VIEWPOINT 5

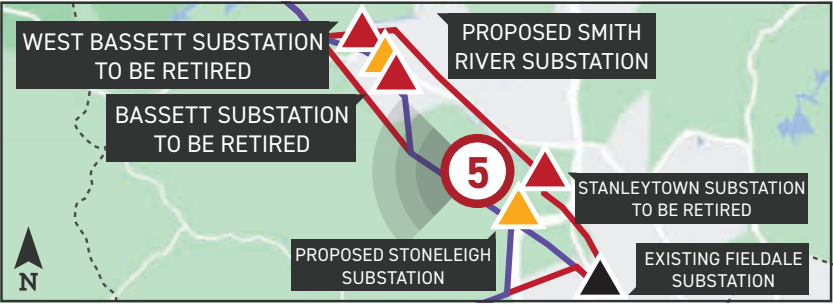
ROUTE 683, VIEWING WEST

DATE:
05/12/2022

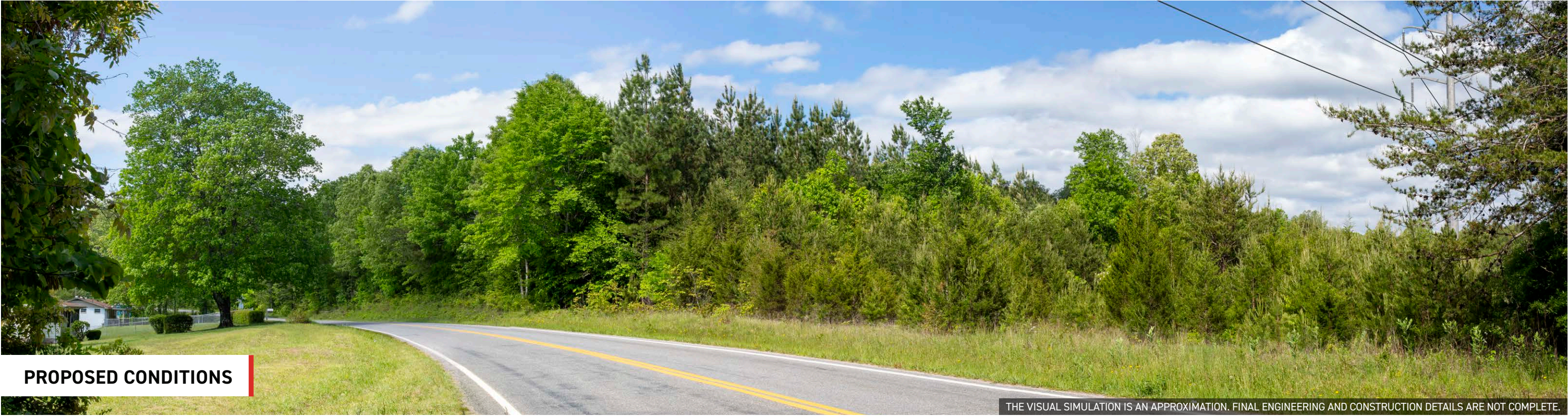
TIME:
9:33 AM

DIRECTION:
WEST

- COMPONENT 3 PROPOSED ROUTE
- EXISTING TRANSMISSION LINE TO BE RETIRED
- ▲ EXISTING SUBSTATION
- ▲ PROPOSED SUBSTATION
- ▲ EXISTING SUBSTATION TO BE RETIRED
- ⑤ PHOTO VIEWPOINT LOCATION



EXISTING CONDITIONS



PROPOSED CONDITIONS

THE VISUAL SIMULATION IS AN APPROXIMATION. FINAL ENGINEERING AND CONSTRUCTION DETAILS ARE NOT COMPLETE.

STUART AREA

138-kV TRANSMISSION IMPROVEMENTS PROJECT

PHOTO VIEWPOINT 6

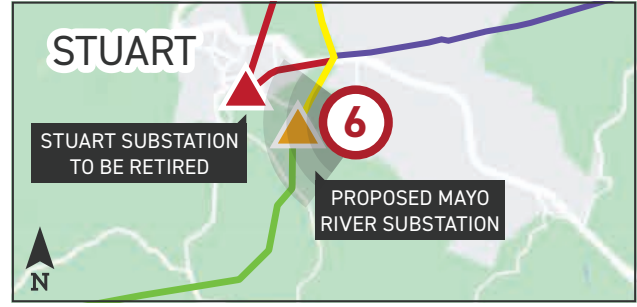
PROPOSED MAYO RIVER SUBSTATION, COMMERCE STREET, VIEWING WEST

DATE:
10/15/2022

TIME:
9:58 AM

DIRECTION:
WEST

- COMPONENT 1 PROPOSED ROUTE
 - COMPONENT 2 PROPOSED ROUTE
 - EXISTING TRANSMISSION LINE TO BE RETIRED
 - PROPOSED SUBSTATION
 - EXISTING SUBSTATION TO BE RETIRED
 - PHOTO VIEWPOINT LOCATION
 - COMPONENT 3 PROPOSED ROUTE
- DISTRIBUTION LINES ARE NOT SHOWN. THREE PROPOSED DISTRIBUTION LINES CARRYING SIX CIRCUITS WILL EXIT THE PROPOSED SUBSTATION.



EXISTING CONDITIONS



PROPOSED CONDITIONS

THE VISUAL SIMULATION IS AN APPROXIMATION. FINAL ENGINEERING AND CONSTRUCTION DETAILS ARE NOT COMPLETE.

Exhibit 38: VDOT General Highway Maps and Existing Transmission Facilities

CONFIDENTIAL INFORMATION

SEE VOLUME 4 – EXHIBIT 38-C FOR VDOT GENERAL HIGHWAY MAPS
AND EXISTING TRANSMISSION FACILITIES