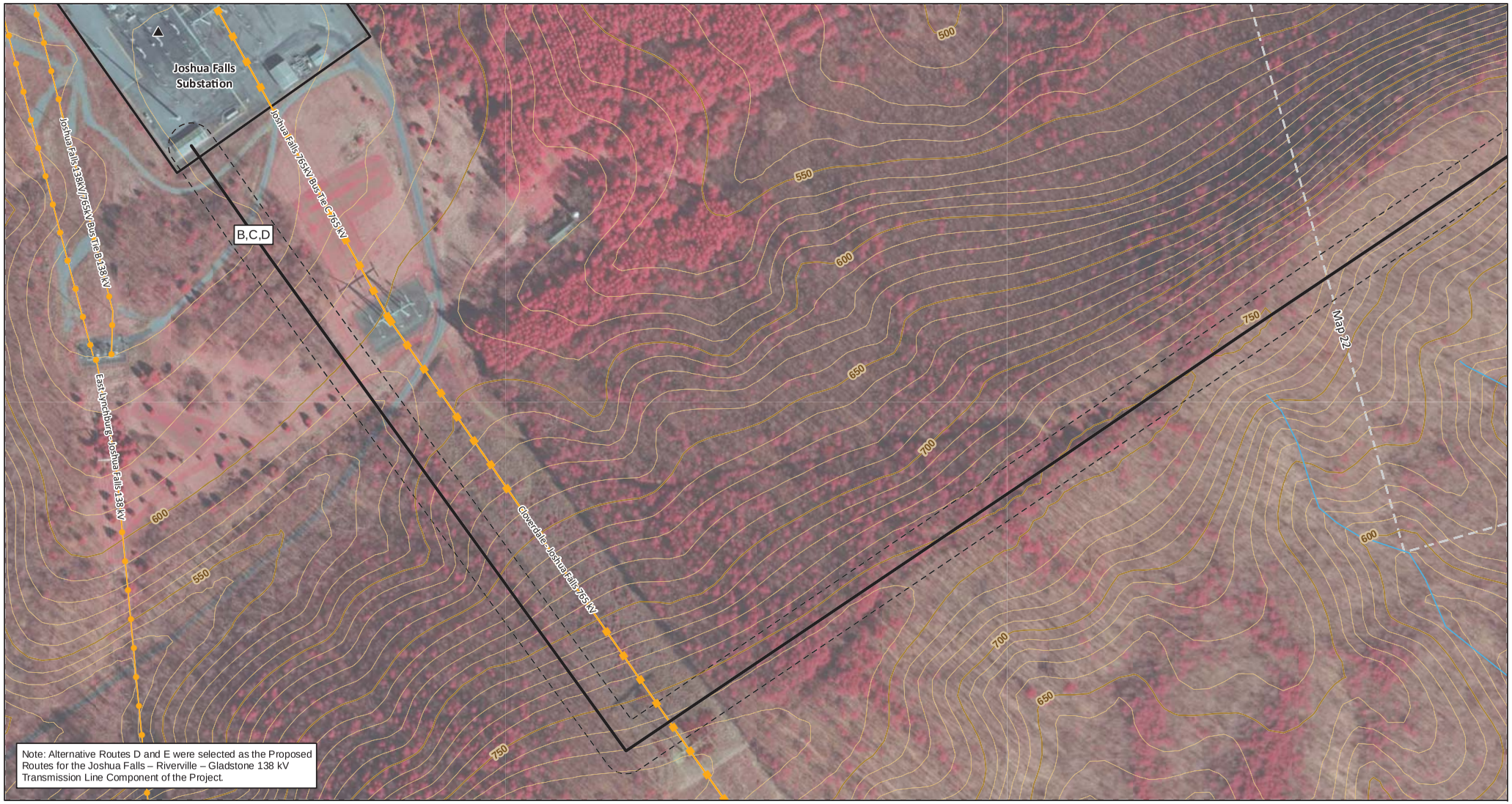
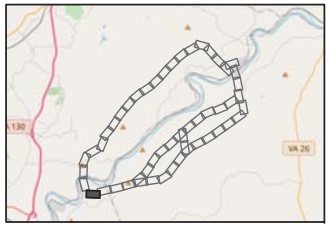




Existing AEP Substation
Alternative Routes
Existing AEP Transmission Line (115-230 kV)
Existing AEP Transmission Line (345 kV +)
Stream (NHD)
Right-of-Way (100')
Map Tile
Substation Fence
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 21 of 53

Desktop Wetland and Stream Delineation

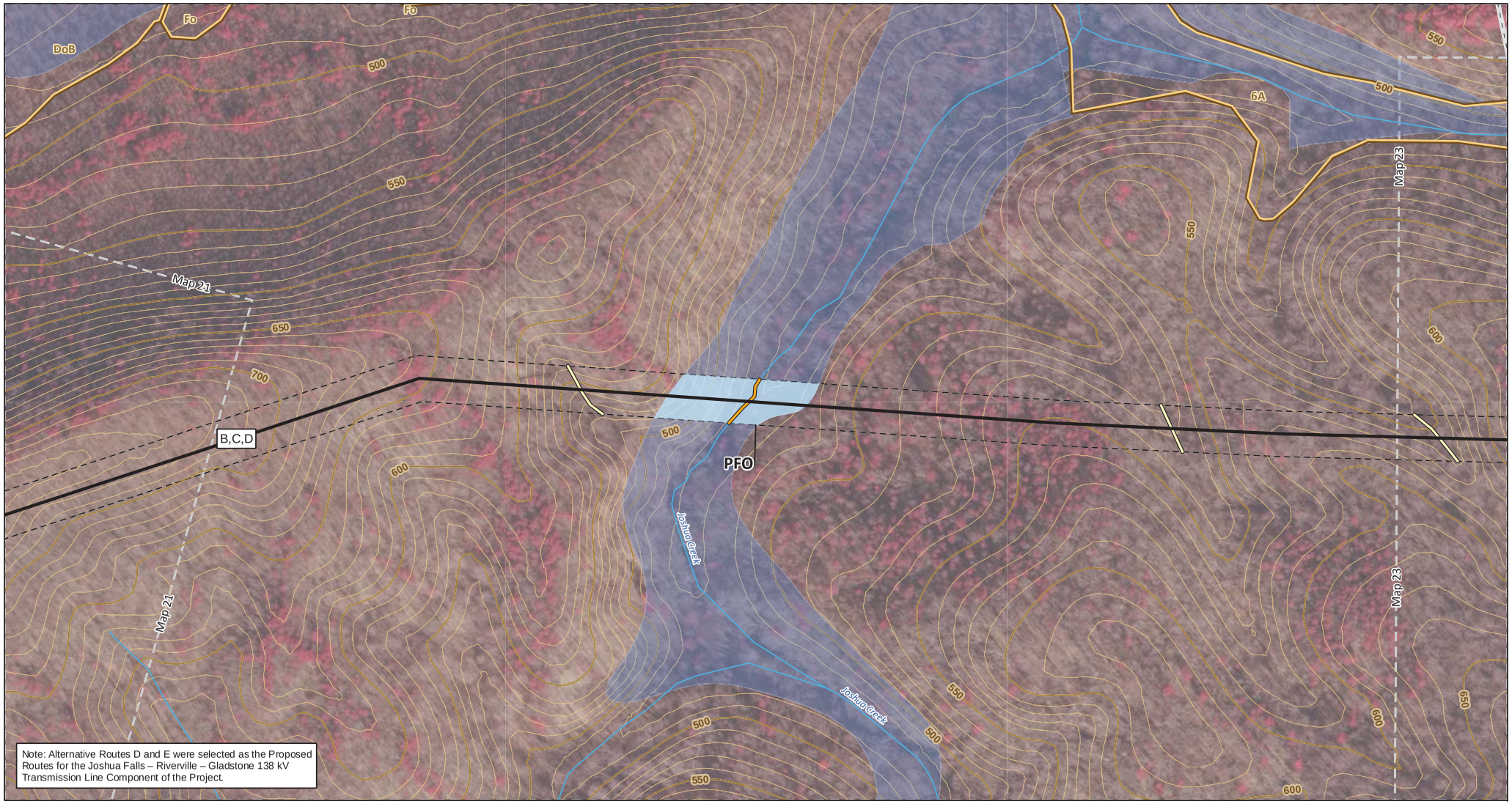
Component 1: Joshua Falls-Riverville 138 kV Transmission Line

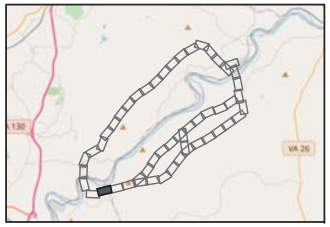
APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit: VBMP 2018 Infrared; (VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP2017081\GIS\JoshuaFallsGladstone.aprx





Alternative Routes
High Probability Stream
Low Probability Stream
Stream (NHD)
City/County Boundary
Wetland Probability - LOW
100-year Floodplain
Right-of-Way (100')
Map Tile
Hydric Inclusion Soils
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 22 of 53

Desktop Wetland and Stream Delineation

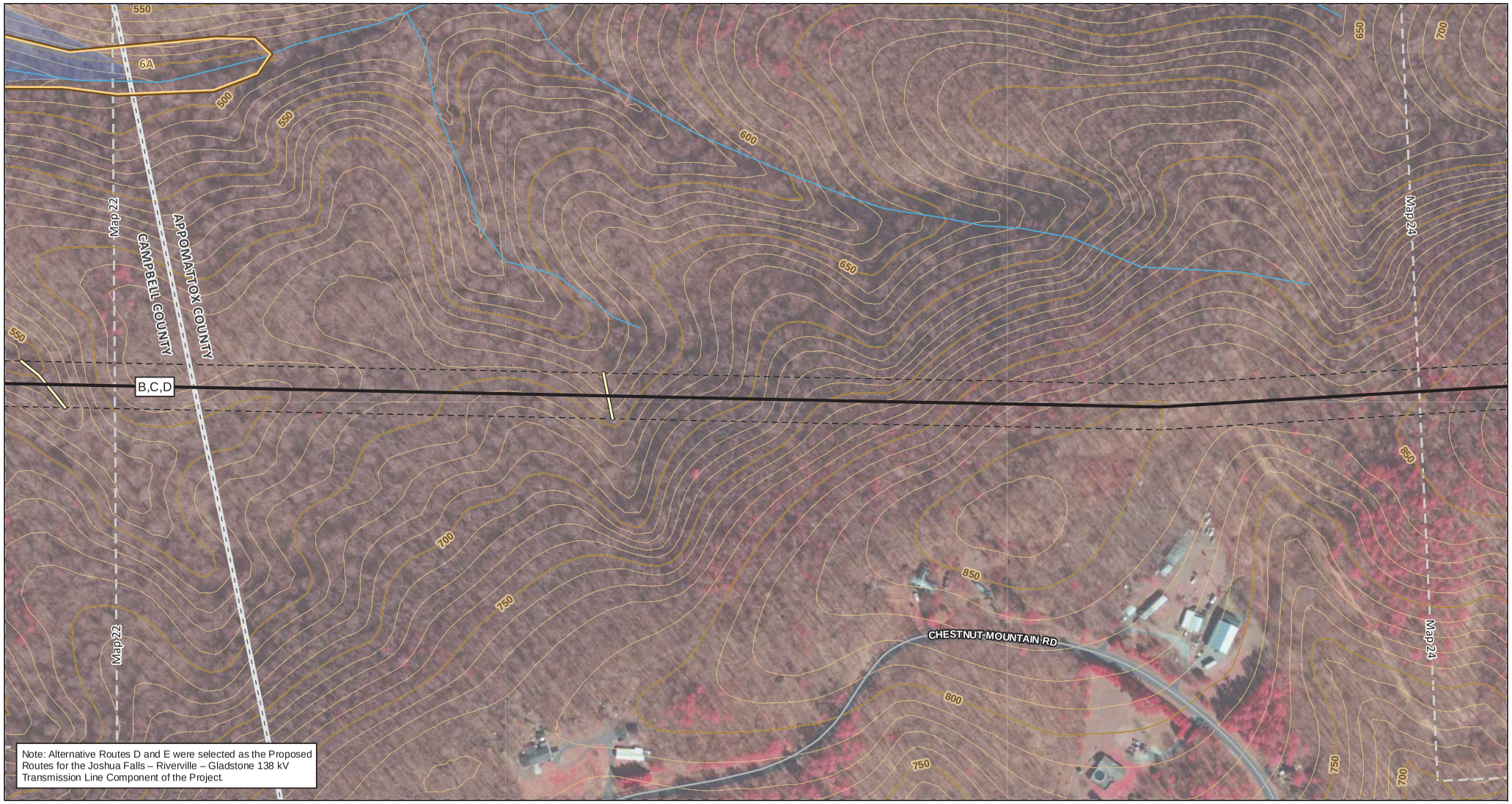
Component 1: Joshua Falls-Riverville
138 kV Transmission Line

APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY

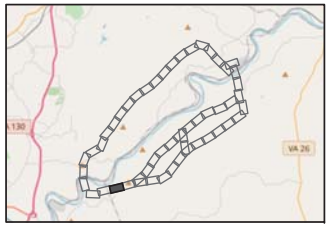
Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit:
VBMP 2018 Infrared;
(VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP20170811\GIS\JoshuaFallsGladstone.aprx



Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP20170811\GIS\JoshuaFallsGladstone.aprx



Alternative Routes
Low Probability Stream
Road/Highway
Stream (NHD)
City/County Boundary
100-year Floodplain
Right-of-Way (100')
Map Tile
Hydric Inclusion Soils
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 23 of 53

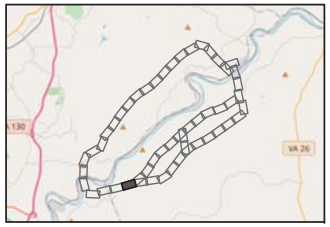
Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville 138 kV Transmission Line

APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit: VBMP 2018 Infrared; (VGIN) Aerial Imagery



Alternative Routes

Stream (NHD)

Right-of-Way (100')

Map Tile

Index Contour

Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 24 of 53

Desktop Wetland and Stream Delineation

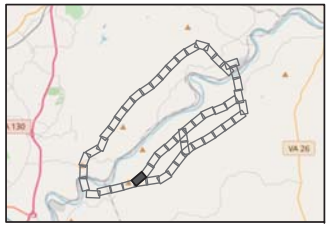
Component 1: Joshua Falls-Riverville 138 kV Transmission Line

APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit: VBMP 2018 Infrared; (VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP20170811\GIS\JoshuaFallsGladstone.aprx



Alternative Routes
High Probability Stream
Stream (NHD)
Right-of-Way (100')
Map Tile
Hydric Inclusion Soils
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 25 of 53

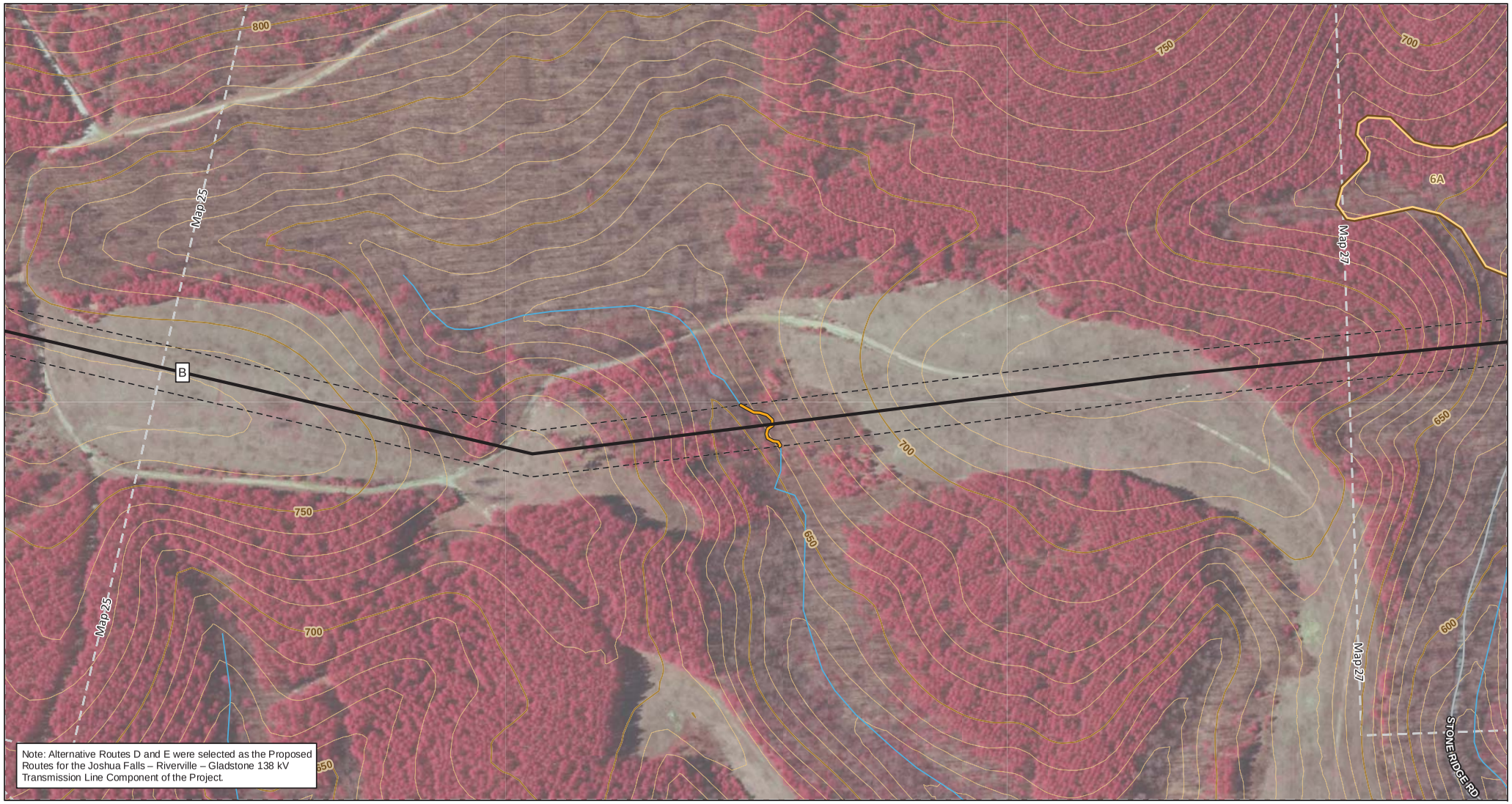
Desktop Wetland and Stream Delineation

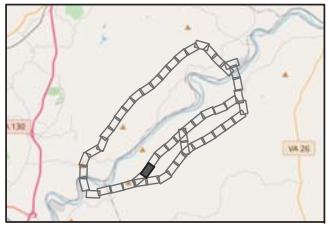
Component 1: Joshua Falls-Riverville 138 kV Transmission Line

APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit: VBMP 2018 Infrared; (VGIN) Aerial Imagery





Alternative Routes
High Probability Stream
Road/Highway
Stream (NHD)
Right-of-Way (100')
Map Tile
Hydric Inclusion Soils
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 26 of 53

Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line

APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY™

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit:
VBMP 2018 Infrared;
(VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP20170811\GIS\JoshuaFallsGladstone.aprx

Alternative Routes
High Probability Stream
Road/Highway
Stream (NHD)
Right-of-Way (100')
Map Tile
Hydric Inclusion Soils
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 27 of 53

Desktop Wetland and Stream Delineation

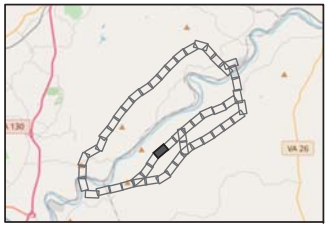
Component 1: Joshua Falls-Riverville
138 kV Transmission Line

APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit:
VBMP 2018 Infrared;
(VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP20170811\GIS\JoshuaFallsGladstone.aprx



Alternative Routes
Road/Highway
Stream (NHD)
Right-of-Way (100')
Map Tile
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 28 of 53

Desktop Wetland and Stream Delineation

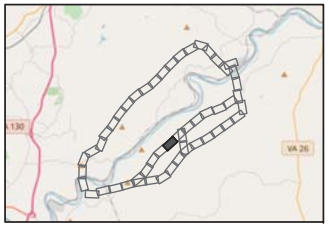
Component 1: Joshua Falls-Riverville 138 kV Transmission Line

APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY™

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit: VBMP 2018 Infrared; (VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP\2017081\GIS\JoshuaFallsGladstone.aprx



Alternative Routes

Right-of-Way (100')

Map Tile

Index Contour

Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 29 of 53

Desktop Wetland and Stream Delineation

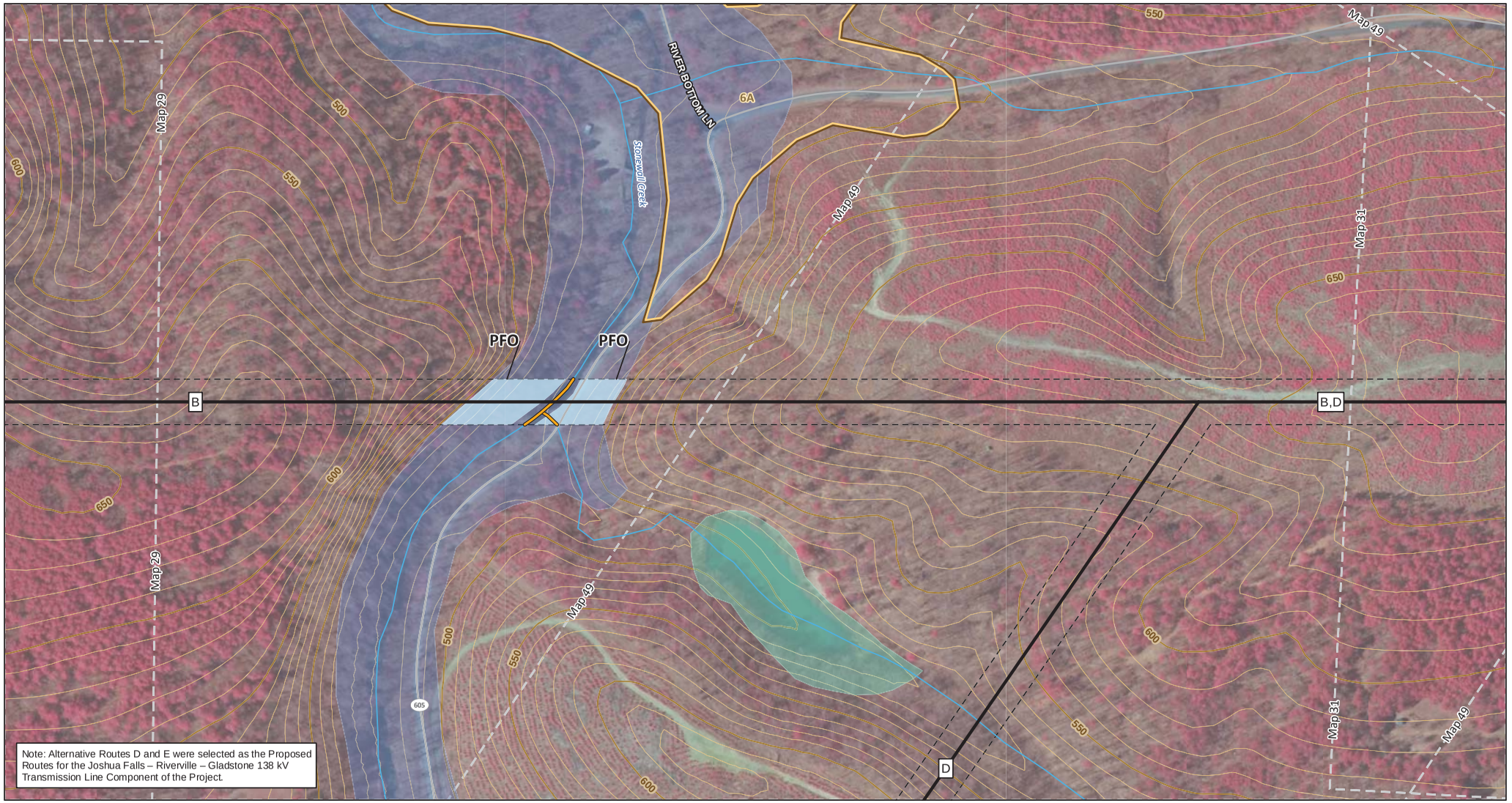
Component 1: Joshua Falls-Riverville 138 kV Transmission Line

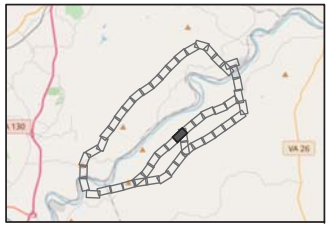
APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY™

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit: VBMP 2018 Infrared; (VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP20170811\GIS\JoshuaFallsGladstone.aprx





Alternative Routes
High Probability Stream
Road/Highway
Stream (NHD)
Wetland Probability - LOW
Wetlands (NWI)
100-year Floodplain
Right-of-Way (100')
Map Tile
Hydric Inclusion Soils
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 30 of 53

Desktop Wetland and Stream Delineation

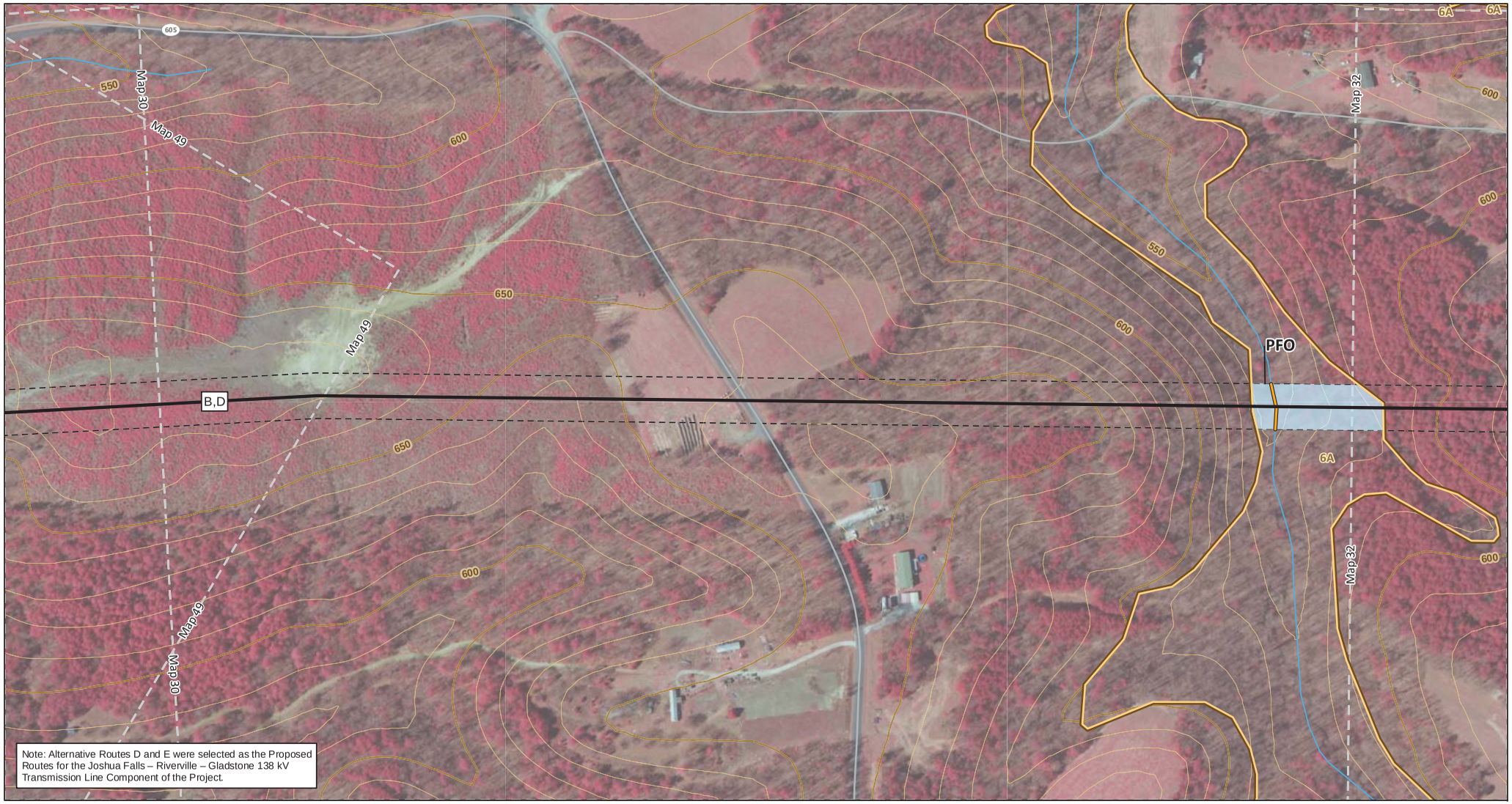
Component 1: Joshua Falls-Riverville
138 kV Transmission Line

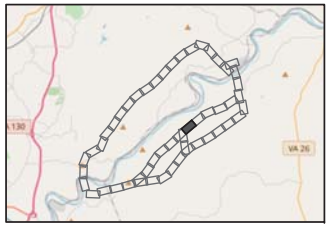
APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY™

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit:
VBMP 2018 Infrared;
(VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP20170811\GIS\JoshuaFallsGladstone.aprx





Alternative Routes
High Probability Stream
Road/Highway
Stream (NHD)
Wetland Probability - LOW
Right-of-Way (100')
Map Tile
Hydric Inclusion Soils
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 31 of 53

Desktop Wetland and Stream Delineation

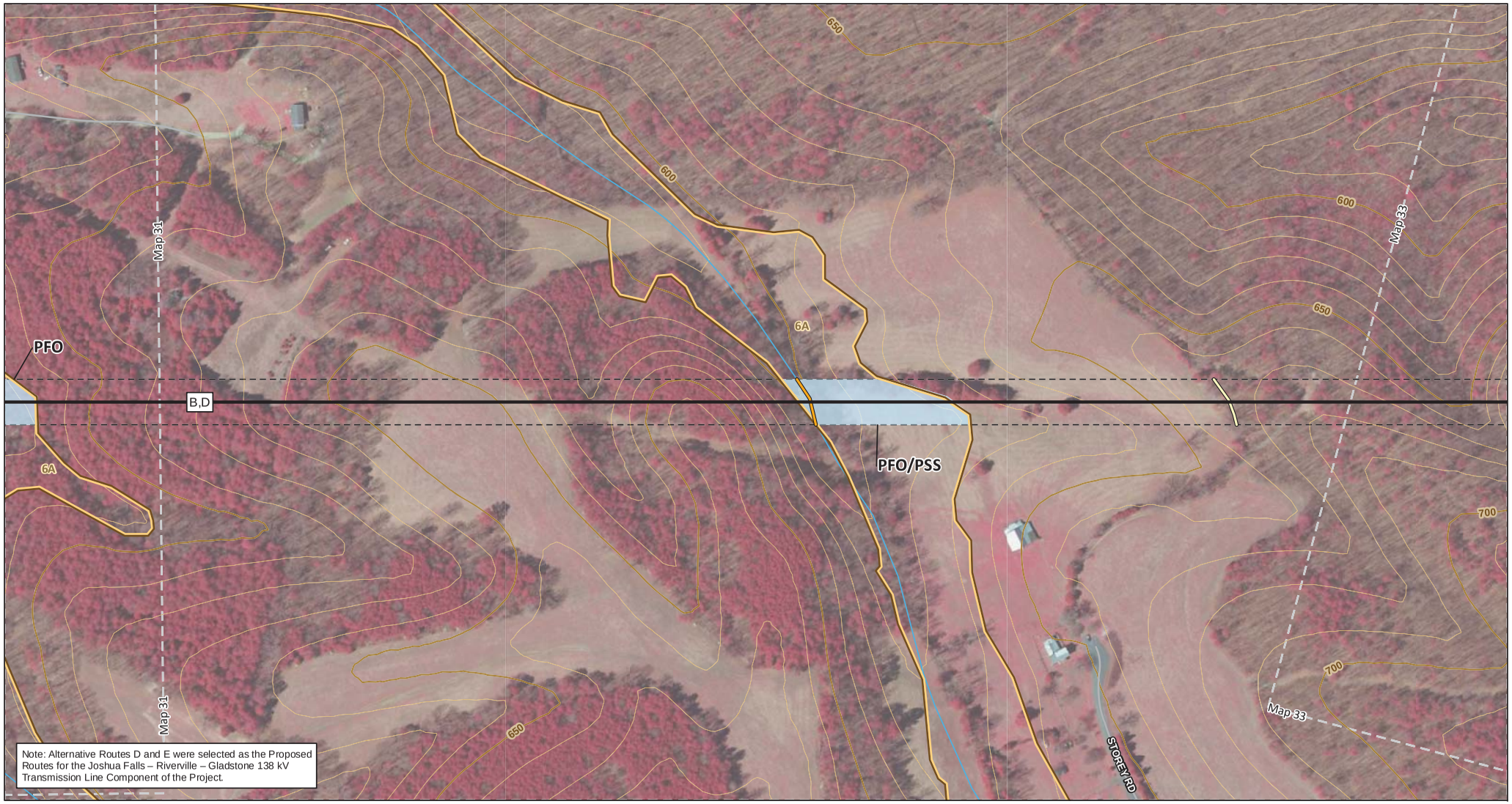
Component 1: Joshua Falls-Riverville
138 kV Transmission Line

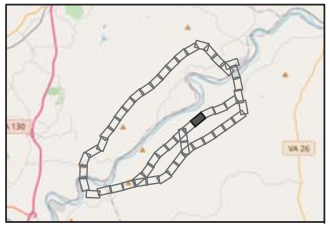
APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY™

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit:
VBMP 2018 Infrared;
(VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP\2017081\GIS\JoshuaFallsGladstone.aprx





Alternative Routes
High Probability Stream
Low Probability Stream
Road/Highway
Stream (NHD)
Wetland Probability - LOW
Right-of-Way (100')
Map Tile
Hydric Inclusion Soils
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 32 of 53

Desktop Wetland and Stream Delineation

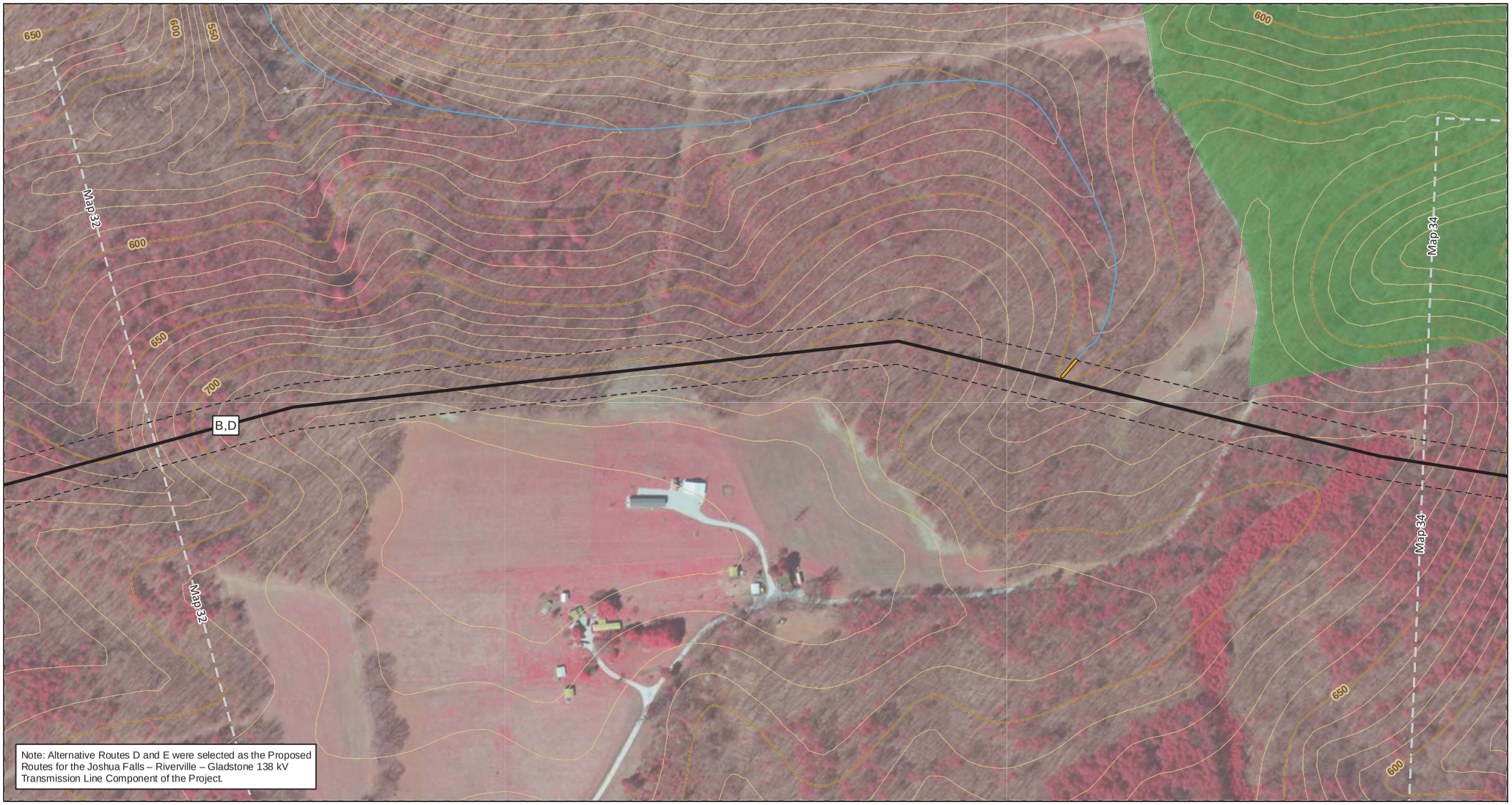
Component 1: Joshua Falls-Riverville
138 kV Transmission Line

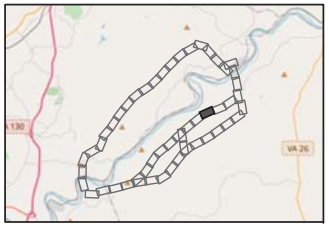
APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit:
VBMP 2018 Infrared;
(VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP\2017081\GIS\Joshua\Falls\Gladstone.aprx





Alternative Routes
High Probability Stream
Stream (NHD)
Right-of-Way (100')
Map Tile
DOF Easement
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 33 of 53

Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line

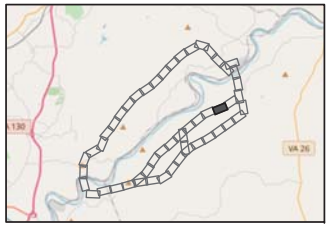
APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit:
VBMP 2018 Infrared;
(VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP\2017081\GIS\JoshuaFallsGladstone.aprx

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP20170815\GIS\JoshuaFallsGladstone.aprx



Alternative Routes
High Probability Stream
Road/Highway
Stream (NHD)
Wetland Probability - LOW
Right-of-Way (100')
Map Tile
DOF Easement
Hydric Inclusion Soils
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 34 of 53

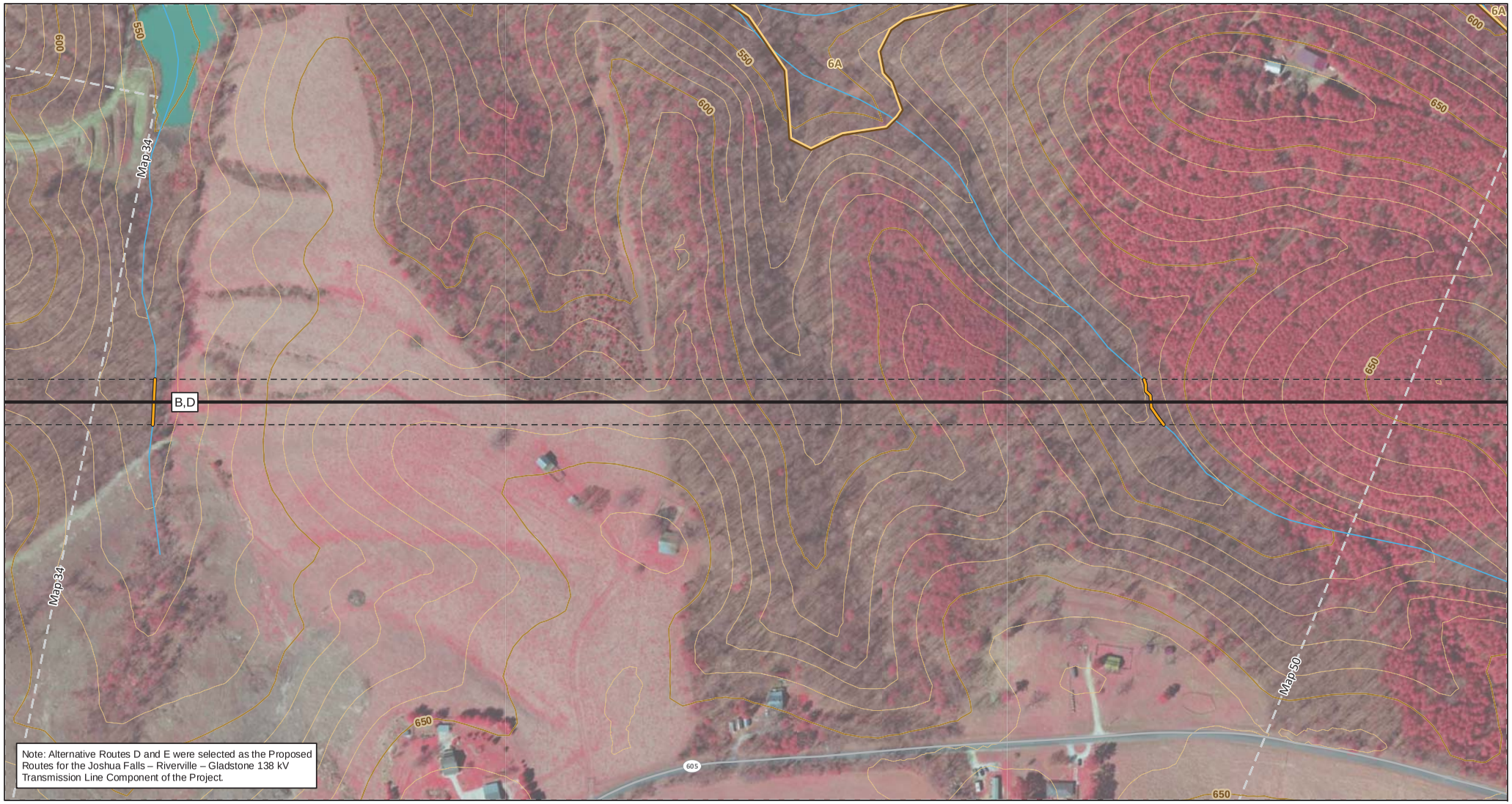
Desktop Wetland and Stream Delineation

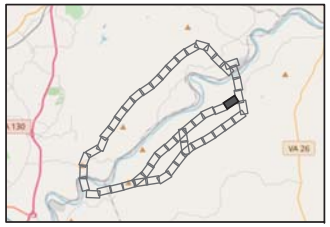
Component 1: Joshua Falls-Riverville
138 kV Transmission Line

APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit:
VBMP 2018 Infrared;
(VGIN) Aerial Imagery





Alternative Routes
High Probability Stream
Road/Highway
Stream (NHD)
Right-of-Way (100')
Map Tile
Hydric Inclusion Soils
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 35 of 53

Desktop Wetland and Stream Delineation

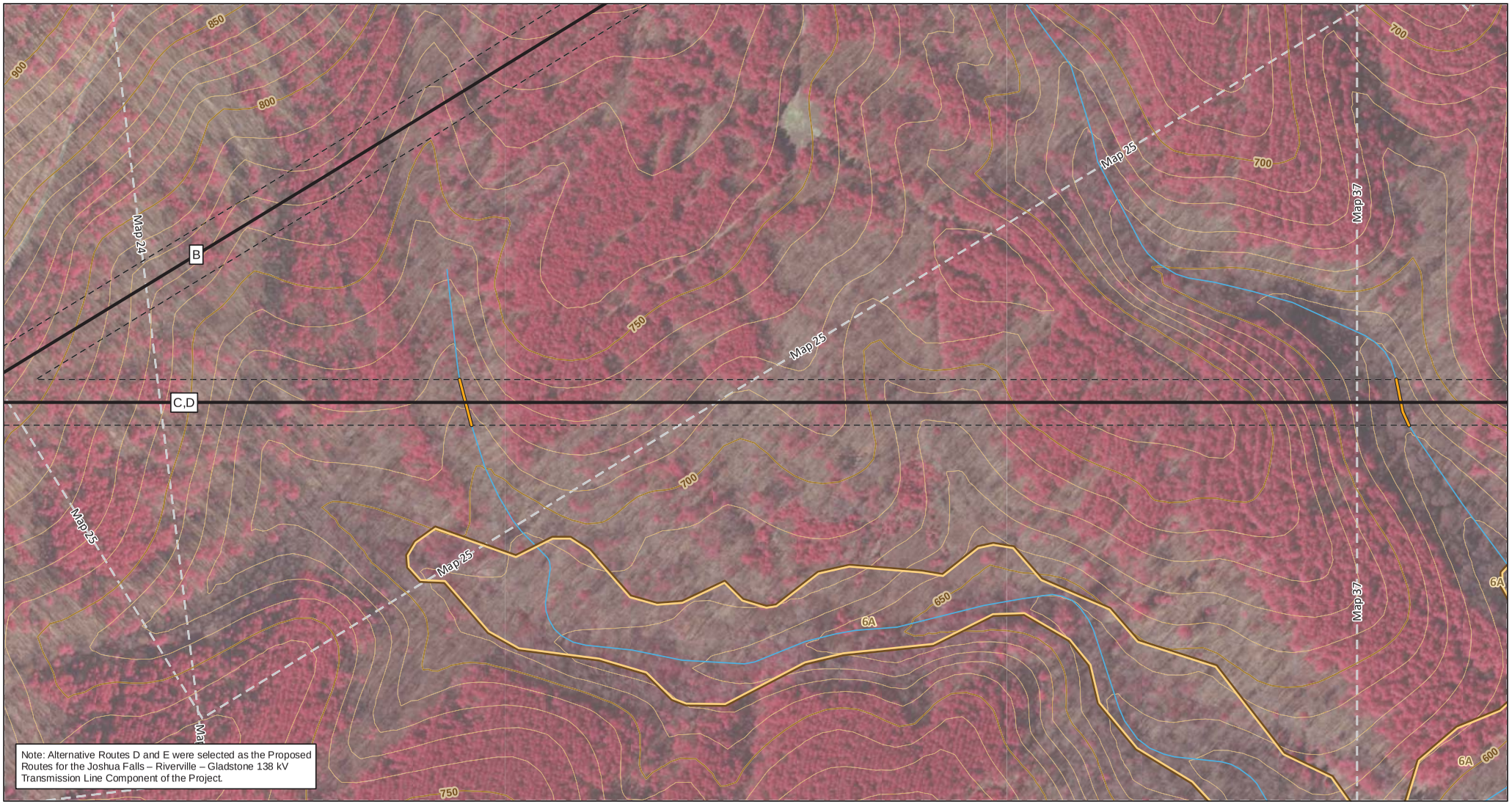
Component 1: Joshua Falls-Riverville
138 kV Transmission Line

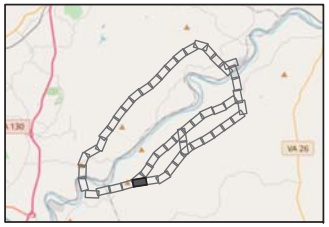
APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY™

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit:
VBMP 2018 Infrared;
(VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP20170815\GIS\JoshuaFallsGladstone.aprx





Alternative Routes
High Probability Stream
Stream (NHD)
Right-of-Way (100')
Map Tile
Hydric Inclusion Soils
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 36 of 53

Desktop Wetland and Stream Delineation

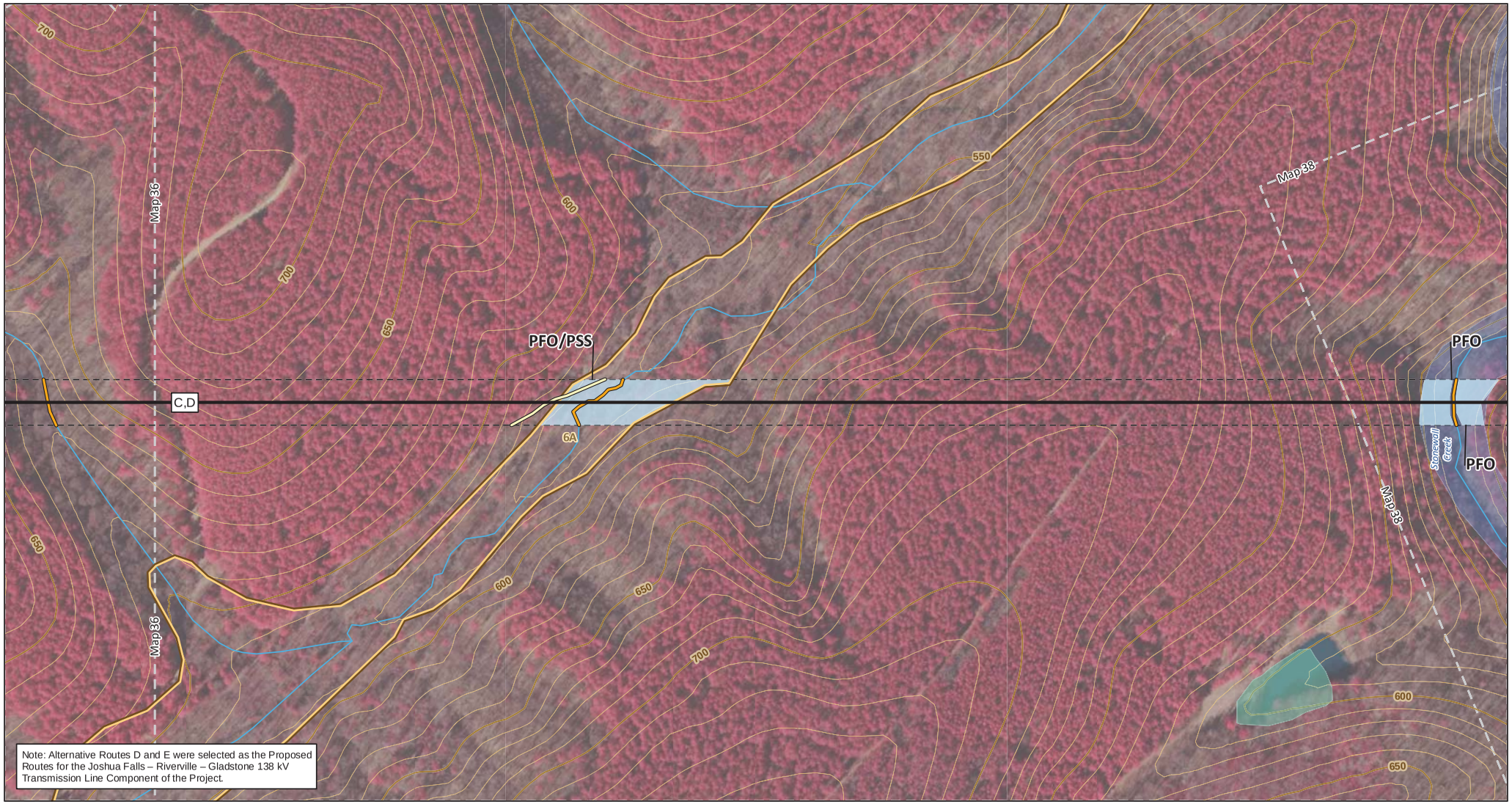
Component 1: Joshua Falls-Riverville 138 kV Transmission Line

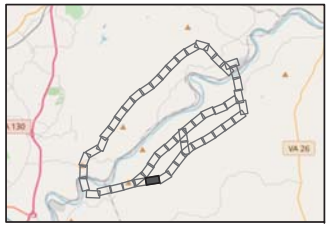
APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY™

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit: VBMP 2018 Infrared; (VGIN) Aerial Imagery

Path: C:\Ram120_Projects\AEP\149227_CliffordScottsville_TP20170811\GIS\JoshuaFallsGladstone.aprx





Alternative Routes
High Probability Stream
Low Probability Stream
Stream (NHD)
Wetland Probability - LOW
Wetlands (NWI)
100-year Floodplain
Right-of-Way (100')
Map Tile
Hydric Inclusion Soils
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 37 of 53

Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line

APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit:
VBMP 2018 Infrared;
(VGIN) Aerial Imagery

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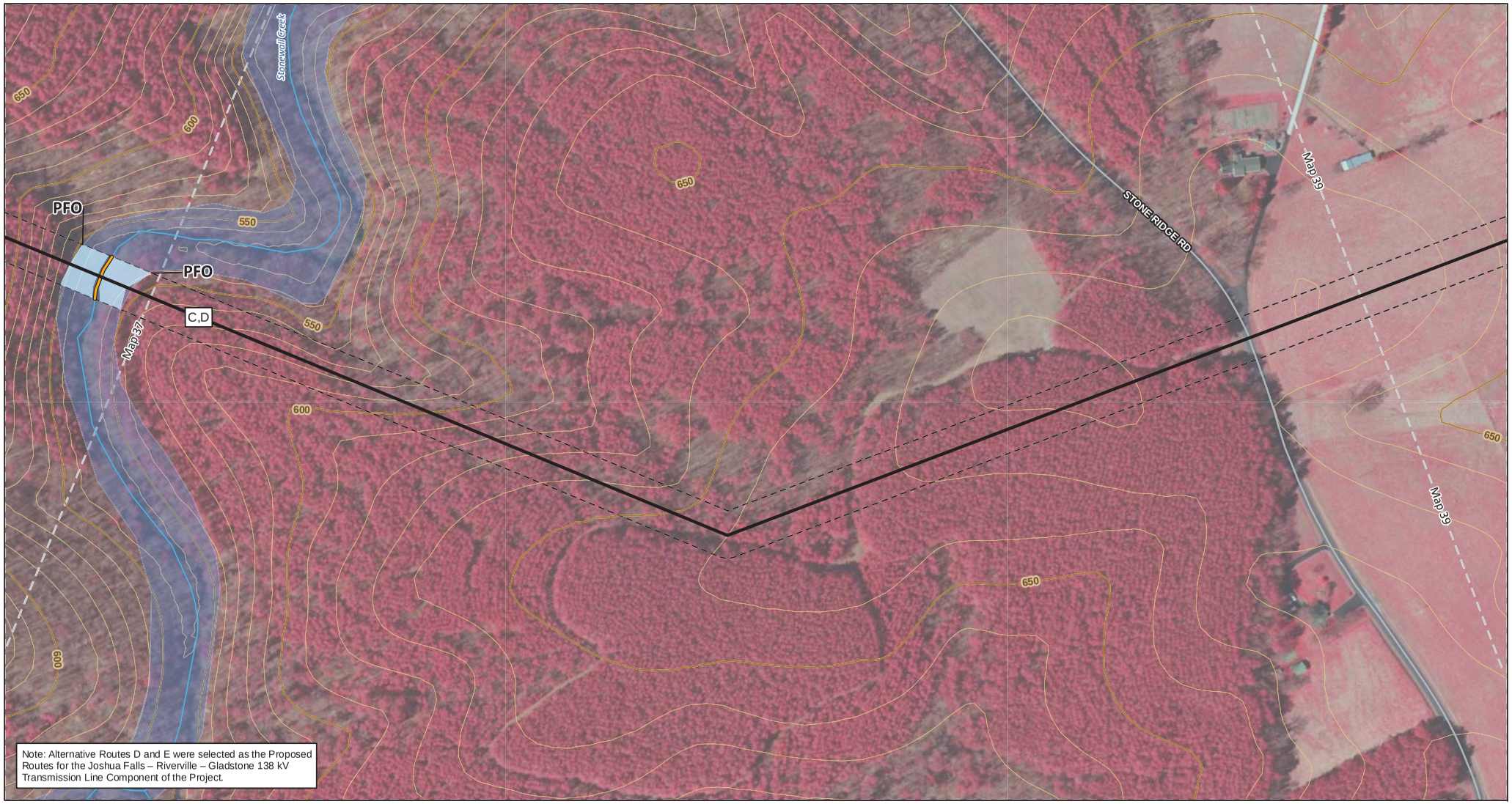
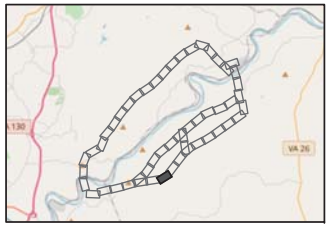




Alternative Routes
High Probability Stream
Road/Highway
Stream (NHD)
Wetland Probability - LOW
100-year Floodplain
Right-of-Way (100')
Map Tile
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 38 of 53

Desktop Wetland and Stream Delineation

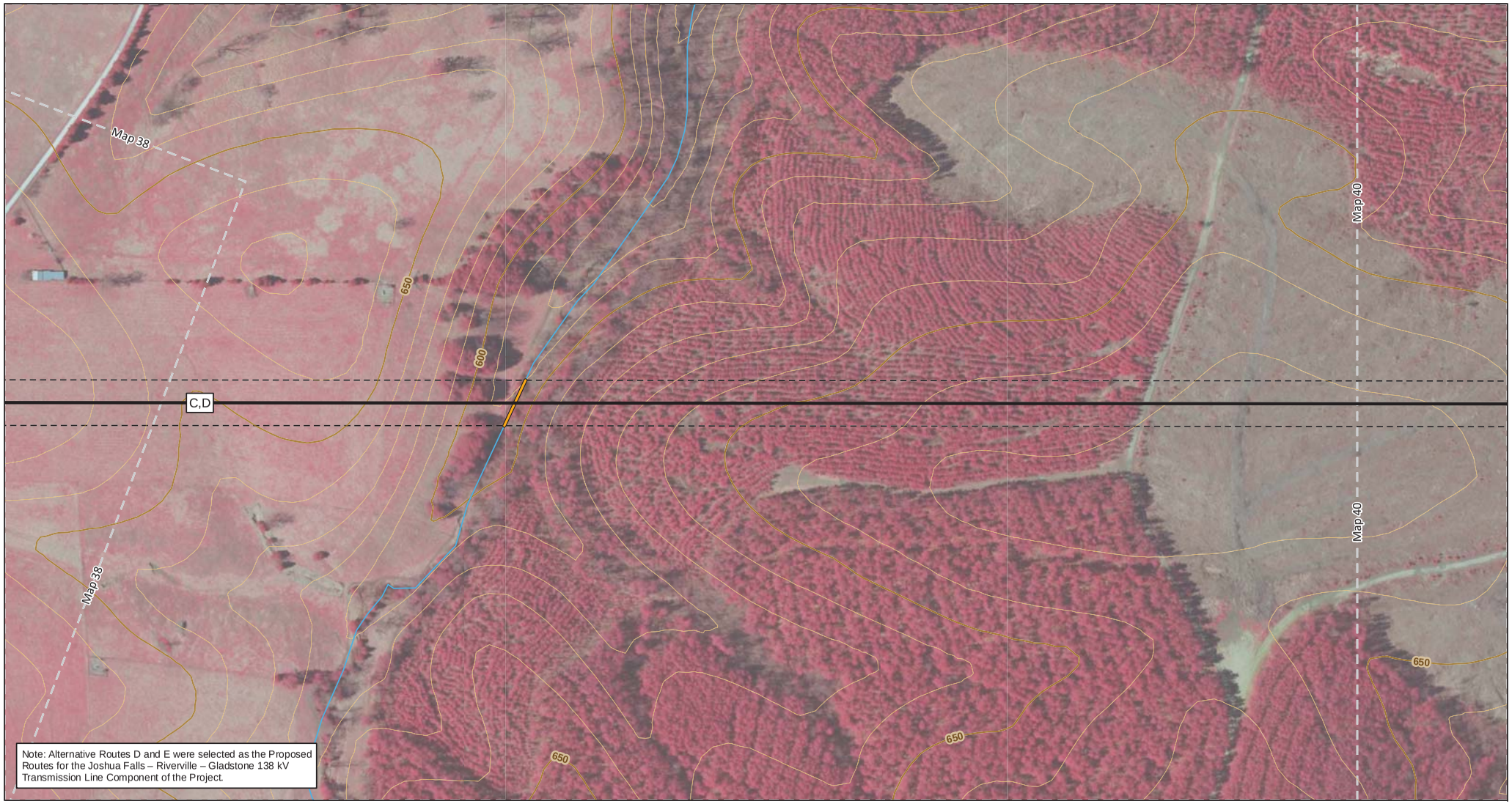
Component 1: Joshua Falls-Riverville
138 kV Transmission Line

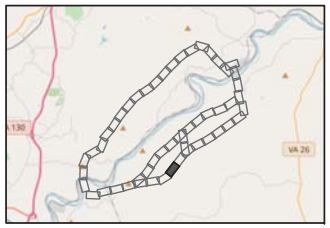
APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit:
VBMP 2018 Infrared;
(VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP20170811\GIS\JoshuaFallsGladstone.aprx





Alternative Routes
High Probability Stream
Stream (NHD)
Right-of-Way (100')
Map Tile
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 39 of 53

Desktop Wetland and Stream Delineation

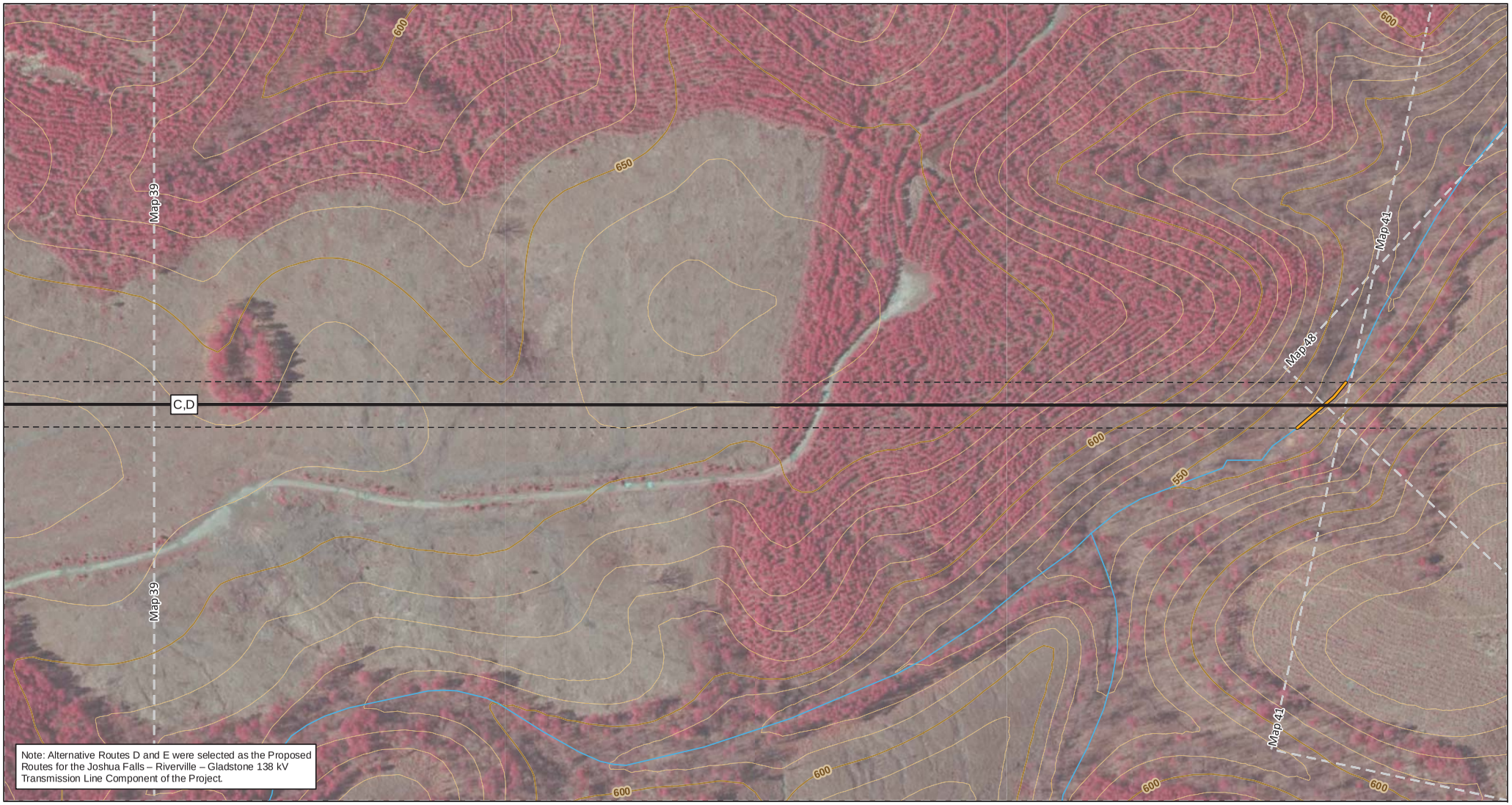
Component 1: Joshua Falls-Riverville 138 kV Transmission Line

APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY™

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit: VBMP 2018 Infrared; (VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP20170811\GIS\JoshuaFallsGladstone.aprx



Alternative Routes
High Probability Stream
Stream (NHD)
Right-of-Way (100')
Map Tile
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 40 of 53

Desktop Wetland and Stream Delineation

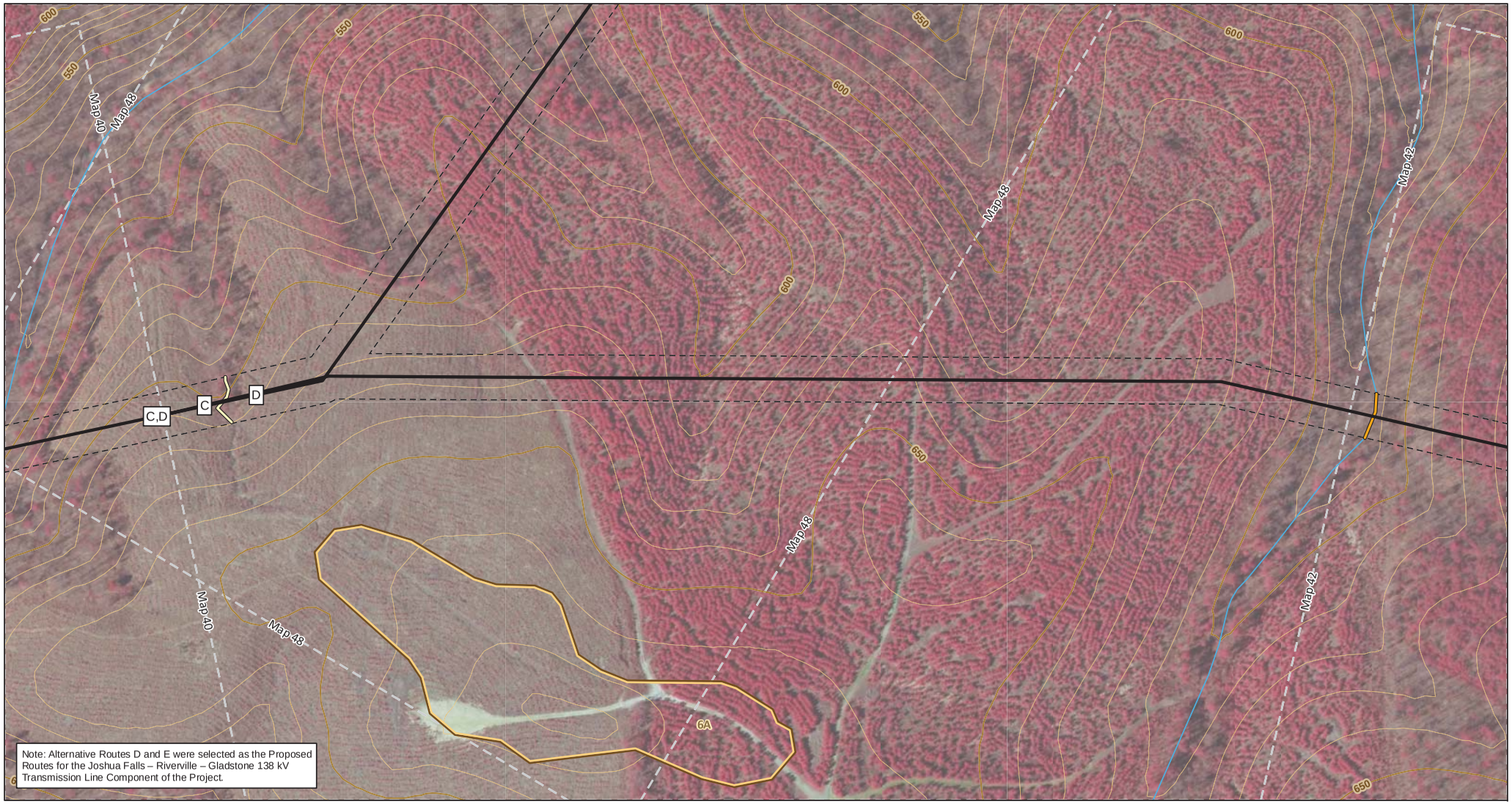
Component 1: Joshua Falls-Riverville 138 kV Transmission Line

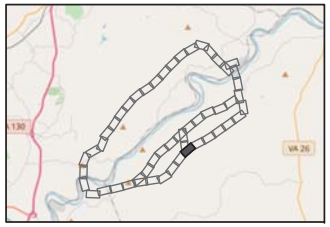
APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit: VBMP 2018 Infrared; (VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP20170811\GIS\JoshuaFallsGladstone.aprx





Alternative Routes
High Probability Stream
Low Probability Stream
Stream (NHD)
Right-of-Way (100')
Map Tile
Hydric Inclusion Soils
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 41 of 53

Desktop Wetland and Stream Delineation

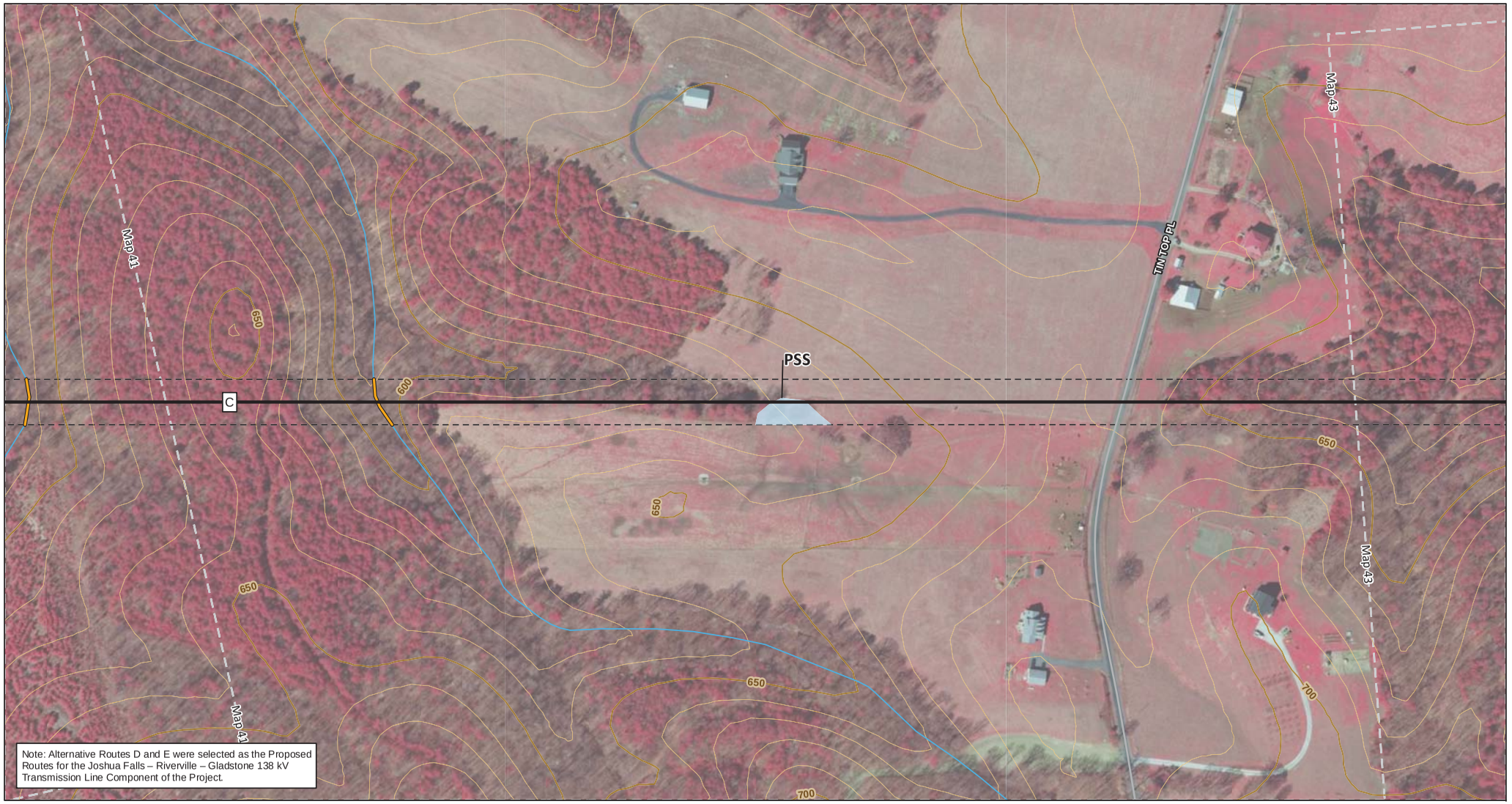
Component 1: Joshua Falls-Riverville
138 kV Transmission Line

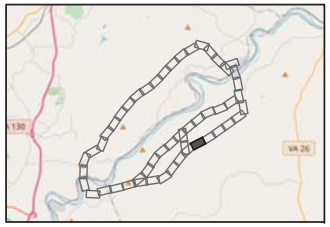
APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit:
VBMP 2018 Infrared;
(VGIN) Aerial Imagery

Path: C:\Ram120_Projects\AEP\149227_CliffordScottsville_TP20170811\GIS\JoshuaFallsGladstone.aprx





Alternative Routes
High Probability Stream
Road/Highway
Stream (NHD)
Wetland Probability - LOW
Right-of-Way (100')
Map Tile
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 42 of 53

Desktop Wetland and Stream Delineation

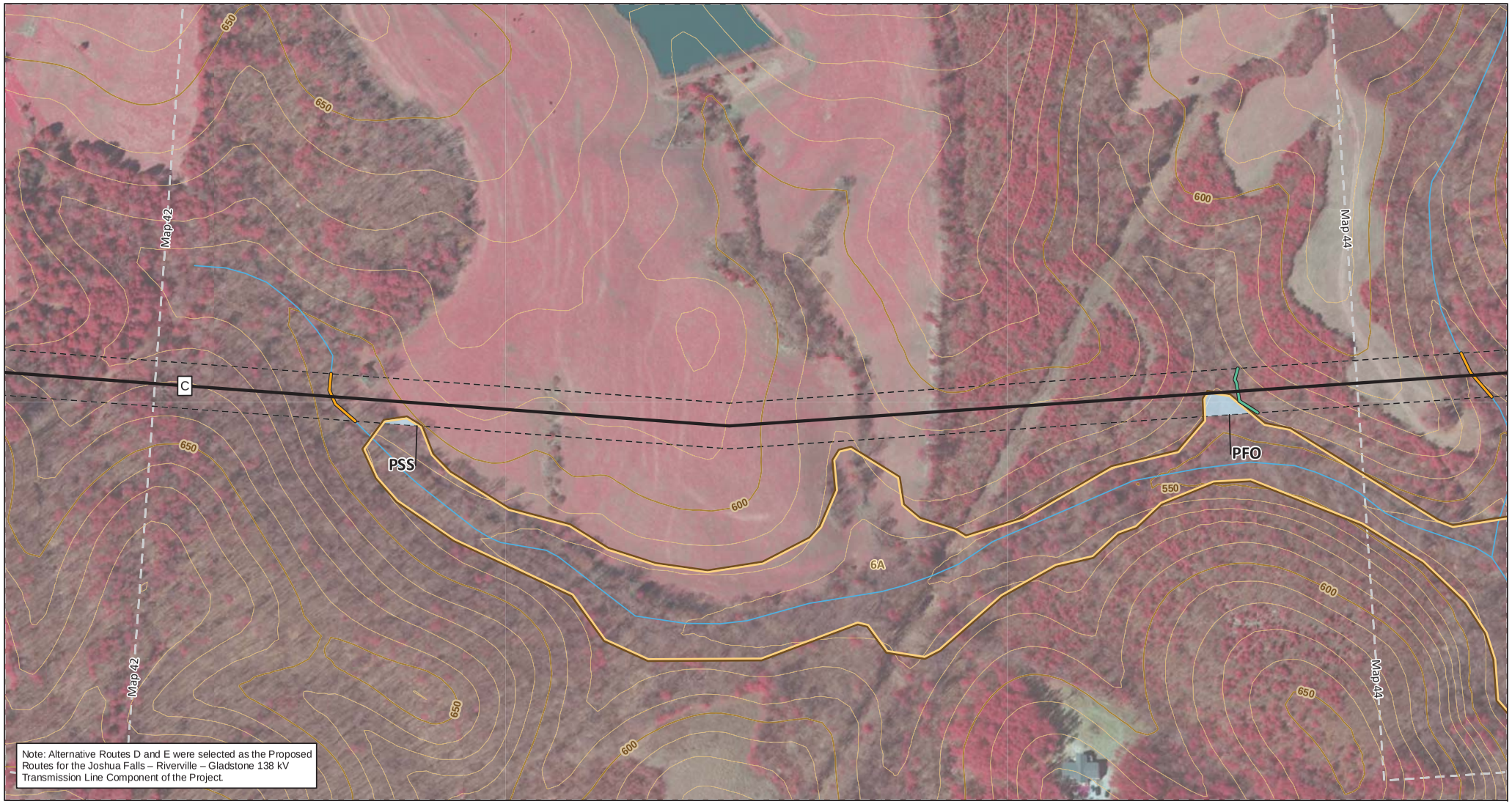
Component 1: Joshua Falls-Riverville
138 kV Transmission Line

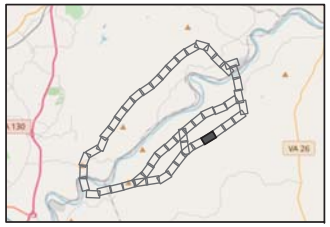
APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY™

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit:
VBMP 2018 Infrared;
(VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP20170811\GIS\JoshuaFallsGladstone.aprx





Alternative Routes
High Probability Stream
Moderate Probability Stream
Stream (NHD)
Wetland Probability - LOW
Right-of-Way (100')
Map Tile
Hydric Inclusion Soils
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 43 of 53

Desktop Wetland and Stream Delineation

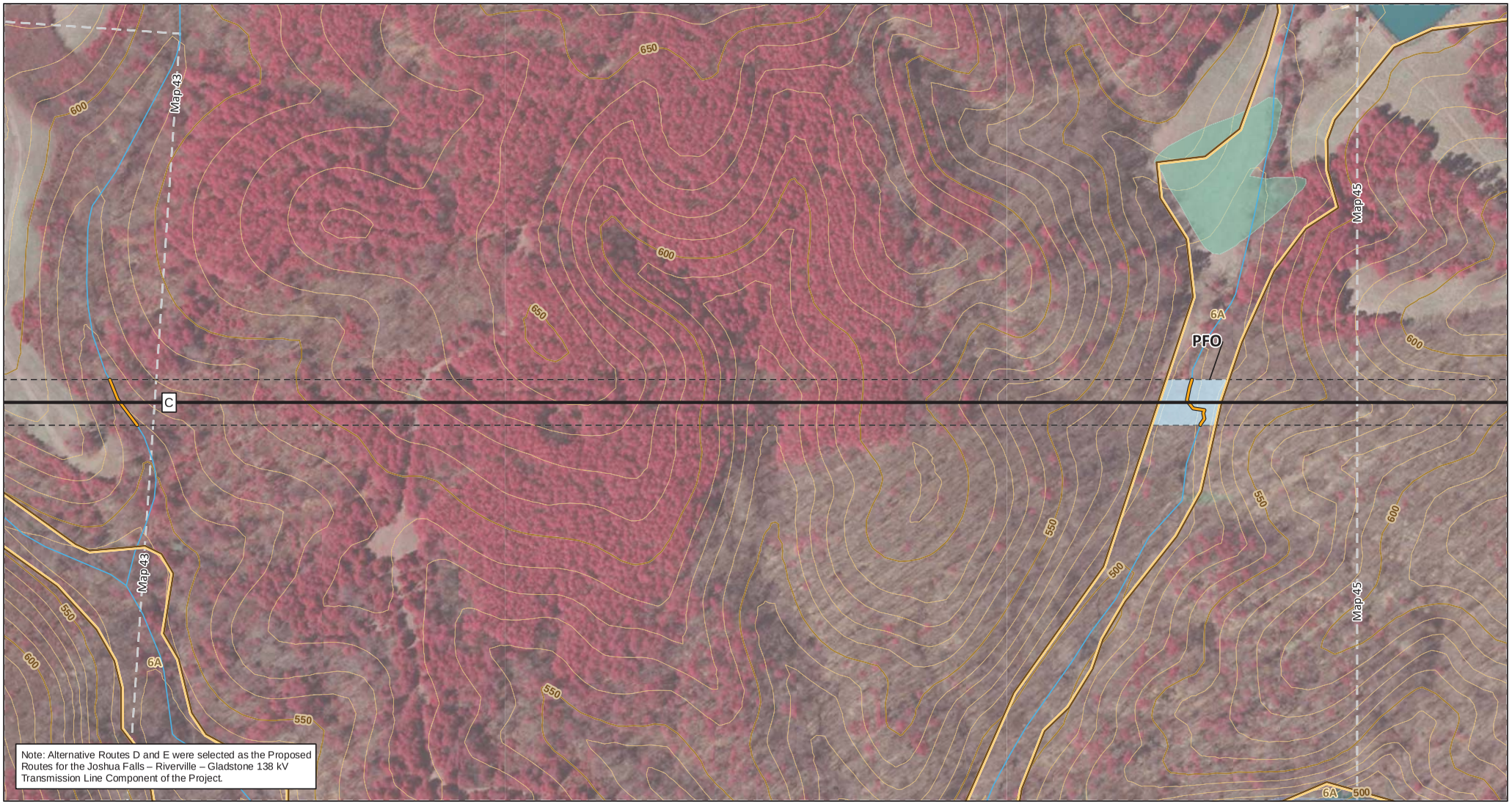
Component 1: Joshua Falls-Riverville
138 kV Transmission Line

APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit:
VBMP 2018 Infrared;
(VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP2017081\GIS\Joshua\Joshua\Joshua\Gladstone.aprx



Alternative Routes
High Probability Stream
Stream (NHD)
Wetland Probability - LOW
Wetlands (NWI)
100-year Floodplain
Right-of-Way (100')
Map Tile
Hydric Inclusion Soils
Index Contour
Intermediate Contour

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1"= 200'

Map 44 of 53

Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line

APPALACHIAN POWER
An AEP Company
BOUNDLESS ENERGY

Date: 12/2/2020;
Author: CK;
Project: 153520, 153521

Imagery Layer Credit:
VBMP 2018 Infrared;
(VGIN) Aerial Imagery

Path: C:\Kam120_Projects\AEP\149227_CliffordScottsville_TP20170811\GIS\JoshuaFallsGladstone.aprx