ATLANTIC COAST PIPELINE ENVIRONMENTAL SURVEY

National Forest Visual Impact Assessment Report

APPENDIX B

High-Resolution, Large-Format Full Visual Simulation Images



KOP34 - Torry Ridge Trail 1, Looking Southeast - **Existing View**



KOP34 - Torry Ridge Trail 1, Looking Southeast - Following Construction





ERM - ACP Pipeline ROW Additional Forestry

Viewpoint KOP34

Torry Ridge Trail 1 with Contingency Right of Way (ROW) shown

Viewpoint Locat

n O Proje



NOTE: The above pipeline ROW alignment has been exaggerated in width for visual purposes only and does not represent the actual width of the pipeline ROW.

Easting Position (UTM - Zone 17): 2214670.3
Northing Position (UTM - Zone 17): 13778971.8
Elevation of Photopoint Position (NAVD88): 2644.2
Height of Camera Above Ground (tt): 5.4
Date of Photography: 6-Nov-15 at 04.04 PM
Orientation of View: SE
Horizontal Field of View: 124*
Vertical Field of View: 55*

NOTES:

Viewpoint location has been terrain-aligned using 1/9 and 1/3 arc degrees terrain, sourced from USGS and with a came mounted gps unit.

Projection/Zone/Datum: UTM ZONE 17, NAD83

Visual assessments should be made from the full size

Photo Simulation Created Using TrueViewTM Technology (Patent No.: US 8,184,906 B2)

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KOP34 - Torry Ridge Trail 1, Looking Southeast - Existing View



KOP34 - Torry Ridge Trail 1, Looking Southeast - Proposed View 75' Permanent ROW (5 Year Tree Growth)





KOP34

Torry Ridge Trail 1



NOTES:

Viewpoint locations have been terrain-aligned using 1/9 and 1/3 arc degrees terrain, sourced from USGS and with a camera mounted gps unit.

hoto Simulation Created Usin TrueViewTM Technology Patent No.: US 8,184,906 B2)

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19 July 2016 SHEET 3



KOP34 - Torry Ridge Trail 1, Looking Southeast - Existing View



KOP34 - Torry Ridge Trail 1, Looking Southeast - Proposed View 75' Permanent ROW (15/20 Year Tree Growth)





KOP3

Torry Ridge Trail 1



 Easting Position (UTM - Zone 17):
 2214670.3

 Northing Position (UTM - Zone 17):
 13778971.8

 Elevation of Photopoint Position (NAVD88):
 2655.1

 Height of Camera Above Ground (It):
 5.4

 Date of Photography:
 6 November 2015 at 10:58 AM

 Orientation of View:
 55

 Horizontal Field of View:
 55°

NOTES:

Viewpoint locations have been terrain-aligned using 1/9 and 1/3 arc degrees terrain, sourced from USGS and with a camera mounted gps unit.

hoto Simulation Created Usin TrueViewTM Technology Patent No.: US 8,184,906 B2)

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KOP35 - Torry Ridge Trail 2, Looking Southeast - **Existing View**



KOP35 - Torry Ridge Trail 2, Looking Southeast - **Following Construction**





Viewpoint 0

Torry Ridge Trail 2



Easting Position (UTM - Zone 17): 2224536.8

Northing Position (UTM - Zone 17): 13785472.0

Elevation of Photopoint Position (NAVDS8): 2456.0

Height of Camera Above Ground (ft): 5.4

Date of Photography: 6 November 2015 at 01:35 PM

Orientation of View: SE

Horizontal Field of View: 124*

Vertical Field of View: 55*

NOTE

Viewpoint locations have been terrain-aligned using 1/9 and 1/3 arc degrees terrain, sourced from USGS and with a camera mounted gps unit.

hoto Simulation Created Using TrueViewTM Technology (Patent No.: US 8,184,906 B2)

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DATE SHEET 26 February 2016



KOP35 - Torry Ridge Trail 2, Looking Southeast - **Existing View**



KOP35 - Torry Ridge Trail 2, Looking Southeast - Proposed View 75' Permanent ROW (5 Year Tree Growth)





KOP35

Torry Ridge Trail 2

Viewpoint Escation Properties of the Control of the

NOTE: The above pipeline ROW alignment has been entire the width for rigidal purposes only and does not represent the most of the pripeline ROW.

Easting Position (UTM - Zone 17): 2224536.8

Northing Position (UTM - Zone 17): 13785472.0

Elevation of Photopoint Position (NAVD88): 2456.0

Height of Camera Above Ground (ft): 5.4

Date of Photography: 6 November 2015 at 12:35 PM

Orientation of View: 58

Horizontal Field of View: 55

Vertical Field of View: 55

NOTE

Viewpoint locations have been terrain-aligned using 1/9 and 1/3 arc degrees terrain, sourced from USGS and with a camera mounted gps unit.

hoto Simulation Created Usin TrueViewTM Technology Patent No.: US 8,184,906 B2)

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KOP35 - Torry Ridge Trail 2, Looking Southeast - **Existing View**



KOP35 - Torry Ridge Trail 2, Looking Southeast - Proposed View 75' Permanent ROW (15/20 Year Tree Growth)

For on-screen display: Scale bar to be 4 inches (101.6mm wide) Viewing distance is 19.7 inches (50 cm)



KOP35

Torry Ridge Trail 2

NOTE: The above pipeline ROW alignment that team a dogs need in width for vigical purposes only and does not represent the Schul Twain of the pipeline ROW.

Easting Position (UTM - Zone 17): 2224536.8

Northing Position (UTM - Zone 17): 13785472.0

Elevation of Photopoint Position (NAVD88): 2456.0

Height of Camera Above Ground (ft): 5.4

Date of Photography: 6 November 2015 at 12:35 PM

Orientation of View: 58

Horizontal Field of View: 55

Vertical Field of View: 55

NOTE

Viewpoint locations have been terrain-aligned using 1/9 and 1/3 arc degrees terrain, sourced from USGS and with a camera mounted gps unit.

noto Simulation Created Usin TrueViewTM Technology Patent No.: US 8,184,906 B2

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19 July 2016 SHEET 6



KOP38 - Raven's Roost, Blue Ridge Parkway Overlook, Looking Northwest - Existing View



KOP38 - Raven's Roost, Blue Ridge Parkway Overlook, Looking Northwest - Following Construction



Raven's Roost, Blue Ridge Parkway Overlook



Easting Position (UTM - Zone 17):		2230689.4
Northing Position (UTM - Zone 17):		13780972.7
Elevation of Photopoint Position (NAVD88):		3188.8
Height of Camera Above Ground (ft):		5.4
Date of Photography: 6 November 2		5 at 03:55 PM
Orientation of View:		NW
Horizontal Field of View:		124°
Vertical Field of View:		55°

Heights are above mean sea level.
Projection/Zone/Datum:
UTM ZONE 17, NAD83
No part of this photosimulation shall be altered in any way

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KOP38 - Raven's Roost, Blue Ridge Parkway Overlook, Looking Northwest - Existing View

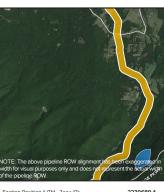


KOP38 - Raven's Roost, Blue Ridge Parkway Overlook, Looking Northwest - Proposed View 20' Permanent ROW (5 Year Tree Growth)





Raven's Roost, Blue Ridge Parkway Overlook



2230689.4	Easting Position (UTM - Zone 17):	
13780972.7	Northing Position (UTM - Zone 17):	
3188.8	Elevation of Photopoint Position (NAVD88):	
5.4	Height of Camera Above Ground (ft):	
15 at 02:55 PM	Date of Photography: 6 November 20	
NW	Orientation of View: NW	
124°		Horizontal Field of View:
EE°		Vertical Field of Views

Heights are above mean sea level.
Projection/Zone/Datum:
UTM ZONE 17, NAD83
No part of this photosimulation shall be altered in any way.

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29 July 2016



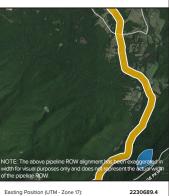
KOP38 - Raven's Roost, Blue Ridge Parkway Overlook, Looking Northwest - Existing View



KOP38 - Raven's Roost, Blue Ridge Parkway Overlook, Looking Northwest - Proposed View 20' Permanent ROW (15/20 Year Tree Growth)



Raven's Roost, Blue Ridge Parkway Overlook



2230689.4	Easting Position (UTM - Zone 17):	
13780972.7	Northing Position (UTM - Zone 17):	
3188.8	Elevation of Photopoint Position (NAVD88):	
5.4	Height of Camera Above Ground (ft):	
15 at 02:55 PM	Date of Photography: 6 November 20	
NW	Orientation of View: NW	
124°		Horizontal Field of View:
EE°		Vertical Field of Views

Heights are above mean sea level.
Projection/Zone/Datum:
UTM ZONE 17, NAD83
No part of this photosimulation shall be altered in any way.

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DATE		SHEET
	29 July 2016	3



KOP 39 (REVISED) - Three Ridges Overlook (REVISED), Looking Southeast - Existing View



KOP 39 (REVISED) - Three Ridges Overlook (REVISED), Looking Southeast - Proposed View: 75' Permanent ROW, 50' Temp. ROW





Three Ridges Overlook (REVISED)

Easting Position (UTM - Zone 17): Northing Position (UTM - Zone 17): Vertical Field of View:

Viewpoint location has been terrain-aligned using 1/9 and 1/3 arc degrees terrain, sourced from USGS and with a camera mounted gap unit.
Heights are above mean sea level.
Projection/Zone/Datum:
UTM ZONE 17

Photo Simulation Created Using TrueViewTM Technology (Patent No.: US 8,184,906 B2)

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27 05 January 2017



KOP 39 (REVISED) - Three Ridges Overlook (REVISED), Looking Southeast - Existing View



KOP 39 (REVISED) - Three Ridges Overlook (REVISED), Looking Southeast - Proposed View: 75' Permanent ROW, 50' Temp. ROW (5 Year Tree Growth)



Three Ridges Overlook (REVISED)

Easting Position (UTM - Zone 17): Northing Position (UTM - Zone 17): Vertical Field of View:

Viewpoint location has been terrain-aligned using 1/9 and 1/3 arc degrees terrain, sourced from USGS and with a camera mounted gas unit.
Heights are above mean sea level.
Projection/Zone/Datum:
UTM ZONE 17

Photo Simulation Created Using TrueViewTM Technology (Patent No.: US 8,184,906 B2)

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05 January 2017

28



KOP 39 (REVISED) - Three Ridges Overlook (REVISED), Looking Southeast - Existing View



KOP 39 (REVISED) - Three Ridges Overlook (REVISED), Looking Southeast - Proposed View: 75' Permanent ROW, 50' Temp. ROW (15-20 Year **Tree Growth)**



Three Ridges Overlook (REVISED)

Easting Position (UTM - Zone 17): Northing Position (UTM - Zone 17): Vertical Field of View:

Viewpoint location has been terrain-aligned using 1/9 and 1/3 arc degrees terrain, sourced from USGS and with a camera mounted gas unit.
Heights are above mean sea level.
Projection/Zone/Datum:
UTM ZONE 17

Photo Simulation Created Using TrueViewTM Technology (Patent No.: US 8,184,906 B2)

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05 January 2017

29



KOP 39 (REVISED) - Three Ridges Overlook (REVISED), Looking Southeast - Existing View



KOP 39 (REVISED) - Three Ridges Overlook (REVISED), Looking Southeast - Proposed View: 75' Permanent ROW, 50' Temp. ROW (15-20 Year **Tree Growth with indicative restoration)**



Three Ridges Overlook (REVISED)



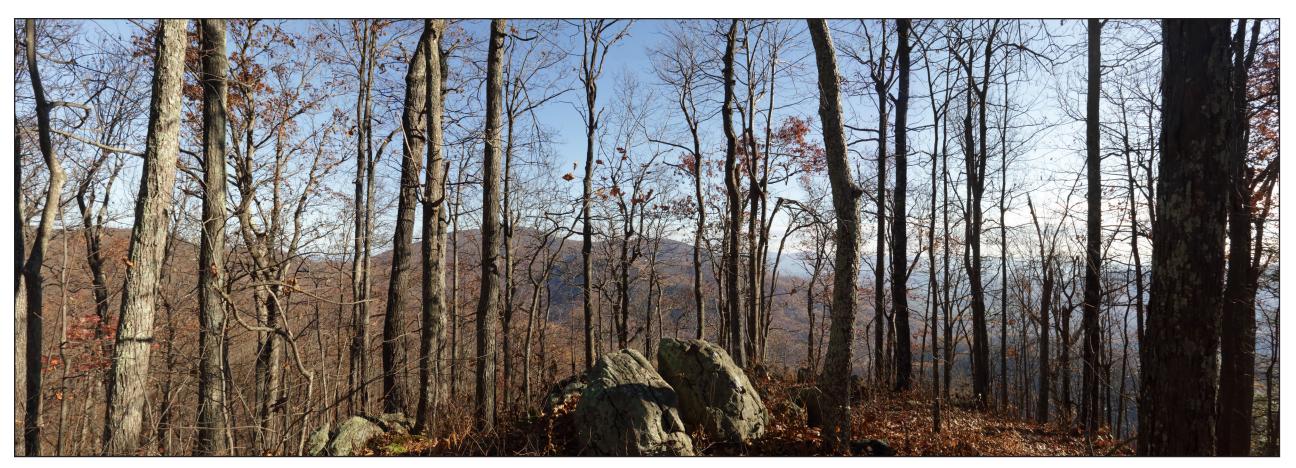
Easting Position (UTM - Zone 17): Northing Position (UTM - Zone 17): Vertical Field of View:

Viewpoint location has been terrain-aligned using 1/9 and 1/3 arc degrees terrain, sourced from USGS and with a camera mounted gas unit.
Heights are above mean sea level.
Projection/Zone/Datum:
UTM ZONE 17

Photo Simulation Created Using TrueViewTM Technology (Patent No.: US 8,184,906 B2)

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30



KOP40 - Bee Mountain, Appalachian Trail, Looking Northeast - **Existing View**



KOP40 - Bee Mountain, Appalachian Trail, Looking Northeast - Following Construction





ERM - ACP Pipeline ROW Additional Forestry

Viewpoint KOP40

Bee Mountain, Appalachian Trail with Contingency Right of Way (ROW) shown

Viewpoint Location
 Project Area



NOTE: The above pipeline ROW alignment has been exaggerated in width for visual purposes only and does not represent the actual width of the pipeline ROW.

2219906.9	Easting Position (UTM - Zone 17): 2219906.9	
13760771.3	Northing Position (UTM - Zone 17): 13760771.3	
3068.4	Elevation of Photopoint Position (NAVD88): 3068.4	
5.4	Height of Camera Above Ground (ft): 5.4	
-15 at 2:04 p.m.	Date of Photography: 5-Nov-15 at 2:04 p.m.	
NE	Orientation of View:	
124°	Horizontal Field of View:	
55°	Vertical Field of View:	

NOTES:

Viewpoint location has been terrain-aligned using 1/9 and 1/3 arc degrees terrain, sourced from USGS and with a came mounted gps unit.

Heights are above mean sea level Projection/Zone/Datum: UTM ZONE 17, NAD83

Visual assessments should be made from the full size TrueView™ only.

Photo Simulation Created Using TrueViewTM Technology (Patent No.: US 8,184,906 B2)

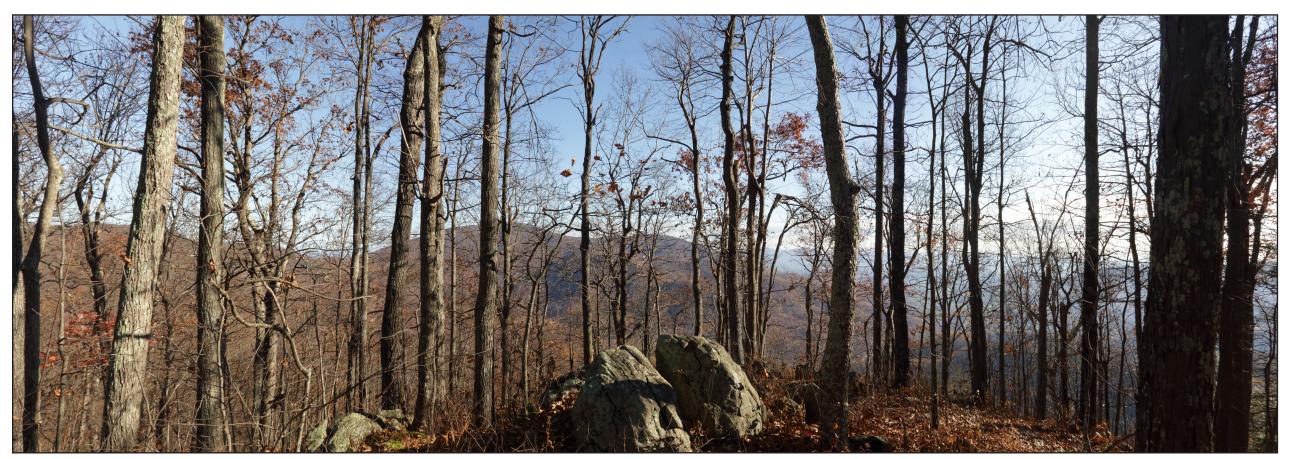
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KOP40 - Bee Mountain, Appalachian Trail, Looking Northeast - **Existing View**



KOP40 - Bee Mountain, Appalachian Trail, Looking Northeast - Proposed View 75' Permanent ROW (5 Year Tree Growth)







Height of Camera Above Ground (ft): 5.4
Date of Photography: 5 November 2015 at 09:59 AM
Orientation of View: NE
Horizontal Field of View: 124*
Vertical Field of View: 55*

NOTES:

Viewpoint locations have been terrain-aligned using 1/9 and 1/3 arc degrees terrain, sourced from USGS and with a camera mounted gps unit.

hoto Simulation Created Using TrueViewTM Technology (Patent No.: US 8,184,906 B2)

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19 July 2016 12

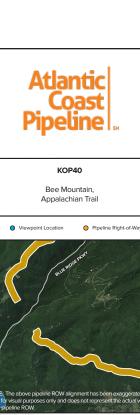


KOP40 - Bee Mountain, Appalachian Trail, Looking Northeast - **Existing View**



KOP40 - Bee Mountain, Appalachian Trail, Looking Northeast - Proposed View 75' Permanent ROW (15/20 Year Tree Growth)





Easting Position (UTM - Zone 17): 2219906.9

Northing Position (UTM - Zone 17): 13760771.3

Elevation of Photopoint Position (NAVD88): 3011.0

Height of Camera Above Ground (tt): 5.4

Date of Photography: 5 November 2015 at 09:59 AM

Orientation of View: NE

Horizontal Field of View: 1244*

Vertical Field of View: 55°

NOTES:

Viewpoint locations have been terrain-aligned using 1/9 and 1/3 arc degrees terrain, sourced from USGS and with a camera mounted gps unit.

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19 July 2016



Mh - Bee Mountain, Appalachian Trail, Looking Northeast - Existing View



Mh - Bee Mountain, Appalachian Trail, Looking Northeast - Proposed View (Permanent Right-of-Way Overlayed)





Viewpoint 01

Bee Mountain, Appalachian Trail



NOTE: The above pipeline ROW alignment has been exaggerated i width for visual purposes only and does not represent the actual wide of the pipeline ROW.

NOTES:

Viewpoint locations have been terrain-aligned using 1/9 and 1/3 arc degrees terrain, sourced from USGS and with a camera mounted gps unit.

hoto Simulation Created Usin TrueViewTM Technology Patent No.: US 8,184,906 B2)

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26 February 2016



KOP34 - Torry Ridge Trail 1, Looking Southeast - **Existing View**



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KOP34 - Torry Ridge Trail 1, Looking Southeast - **Proposed View** *#

For on-screen display,
Scale bar to be 4 in-best (01.6mm
Mexicum fishers as 19.7 in-bes (50



ERM - ACP Pipeline ROW Additional Forestry

Viewpoint KOP34

Torry Ridge Trail 1 with Contingency Right of Way (ROW) shown

Viewpoint Locat

Project Ar



NOTE: The above pipeline ROW alignment has been exaggerated in width for visual purposes only and does not represent the actual width of the pipeline ROW

Easting Position (UTM - Zone 17): 2214670.3

Northing Position (UTM - Zone 17): 13776971.8

Elevation of Photopoint Position (NAVD88): 2644.2

Height of Camera Above Ground (tt): 5.4

Date of Photography: 6-Nov-15 at 04.04 PM

Orientation of View: SE

Horizontal Field of View: 124*

Vertical Field of View: 55*

NOTES:

Viewpoint location has been terrain-aligned using 1/9 and 1/3 arc degrees terrain, sourced from USGS and with a came mounted gps unit.

Projection/Zone/Datum: UTM ZONE 17, NAD83

Visual assessments should be made from the full size

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