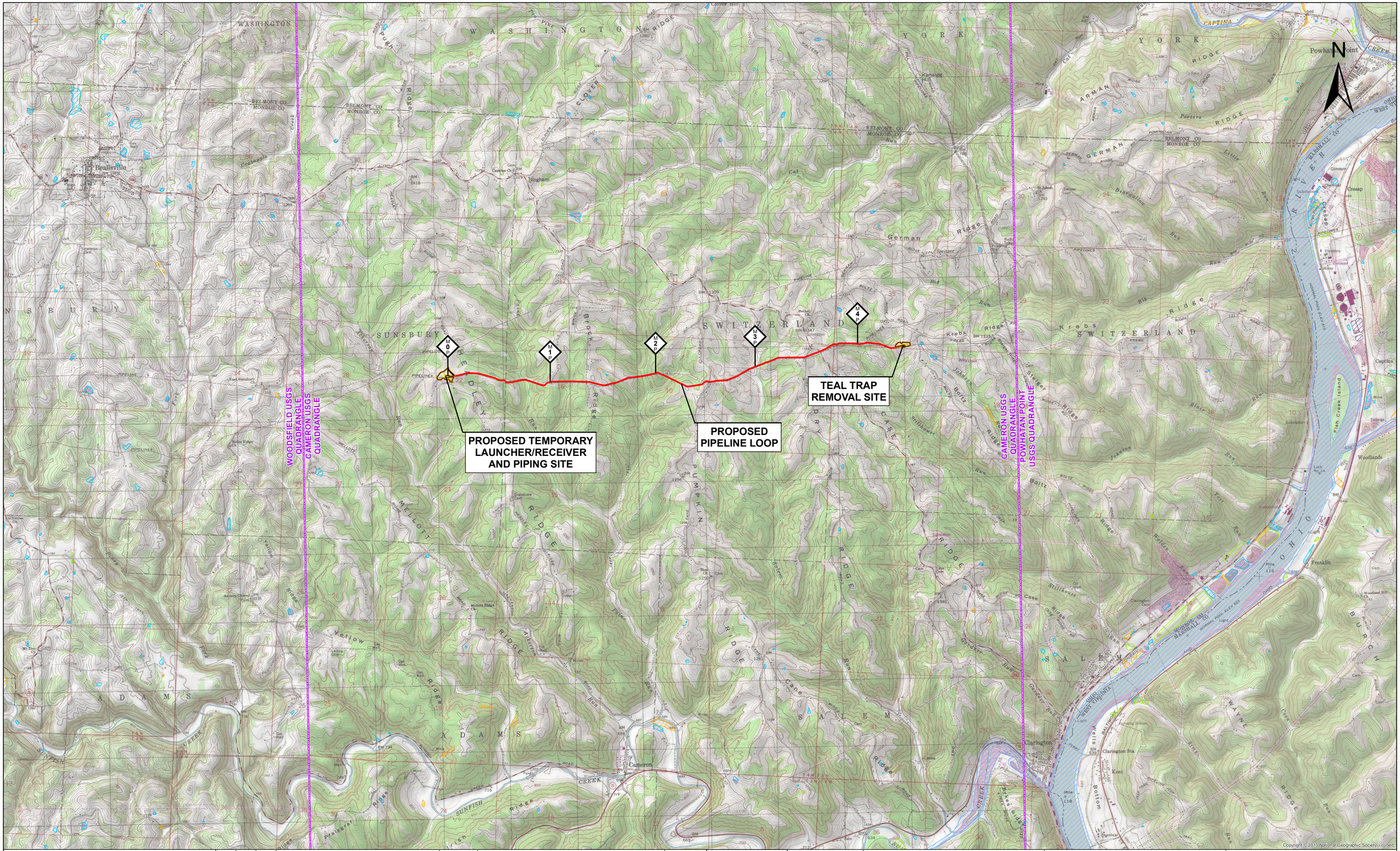
APPENDIX A – Figures

USGS and NWI Mapping
NRCS Soil Crossed by the TEAL Project Mapping



Legend

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine
- Staging Areas
- USGS Quadrangle Boundary
- Compressor/Launcher Sites

REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
C			ISSUED FOR REVIEW (10/12/2015)			
B			ISSUED FOR REVIEW (09/28/2015)			
A			ISSUED FOR REVIEW (06/25/2015)			

REVISIONS — MATERIALS

	ENGINEERING APPROVALS			
DRAWN BY:	BID		CONSTRUCTION	
GIS SPECIALIST				
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

TEXAS EASTERN APPALACHIAN LEASE PROJECT
PROPOSED 36" LINE 30

NATIONAL WETLANDS INVENTORY MAP

LOC. MONROE COUNTY, OHIO

Spectra Energy Partners.

Texas Eastern Transmission, LP
5400 Westheimer Ct. Houston, TX 77056-5310 713 / 627-5400

YEAR: 2015 | SCALE: 1 " = 2,000 ' | DWG. 22552-510-RMP-00021 | SHEET: 1 OF 3 | REV. C

Document Path: Y:\Projects\22552_Spectra_Teal_Loop\Maps\Route Maps\22552-510-RMP-00021_RevC_NWI_Wetlands.mxd

G:\Spectra\355382_TEALProject\DRAFTING\015 - C - Quad Excerpts\NWI\COLE-E-5000.dwg - PLOT TIME: 11/12/2015 9:45 AM

LEGEND

- FRESHWATER EMERGENT WETLAND
- FRESHWATER FORESTED SHRUB/WETLAND
- FRESHWATER POND
- LAKE
- OTHER
- RIVERINE
- STAGING AREAS
- USGS QUADRANGLE BOUNDARY
- COMPRESSOR/LAUNCHER SITES

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
		A	ISM	TLM	ISSUE FOR FERC (10/01/15)

Hatch Mott MacDonald

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
ISM				
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

COLE TO EOLN SEGMENT
TEAL PROJECT
PROPOSED FILTER/SEPARATOR INSTALLATION
USGS NWI MAP

LOC. MONROE COUNTY, OHIO

YEAR: 2017 | 1" = 2000' | SCALE: AS SHOWN | DWG.COLE-E-5000 | REV. F

Spectra Energy Partners

Texas Eastern Transmission, LP
5400 Westheimer Ct. Houston, TX 77056-5310 713 / 627-5400

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LEGEND

- FRESHWATER EMERGENT WETLAND
- FRESHWATER FORESTED SHRUB/WETLAND
- FRESHWATER POND
- STAGING AREAS
- COMPRESSOR/LAUNCHER SITES
- LAKE
- OTHER
- RIVERINE
- USGS QUADRANGLE BOUNDARY

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
		F	ISM	TLM	ISSUE FOR FERC (10/01/15)

Hatch Mott MacDonald

ENGINEERING APPROVALS				
DRAWN BY:	BID		CONSTRUCTION	
ISM				
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

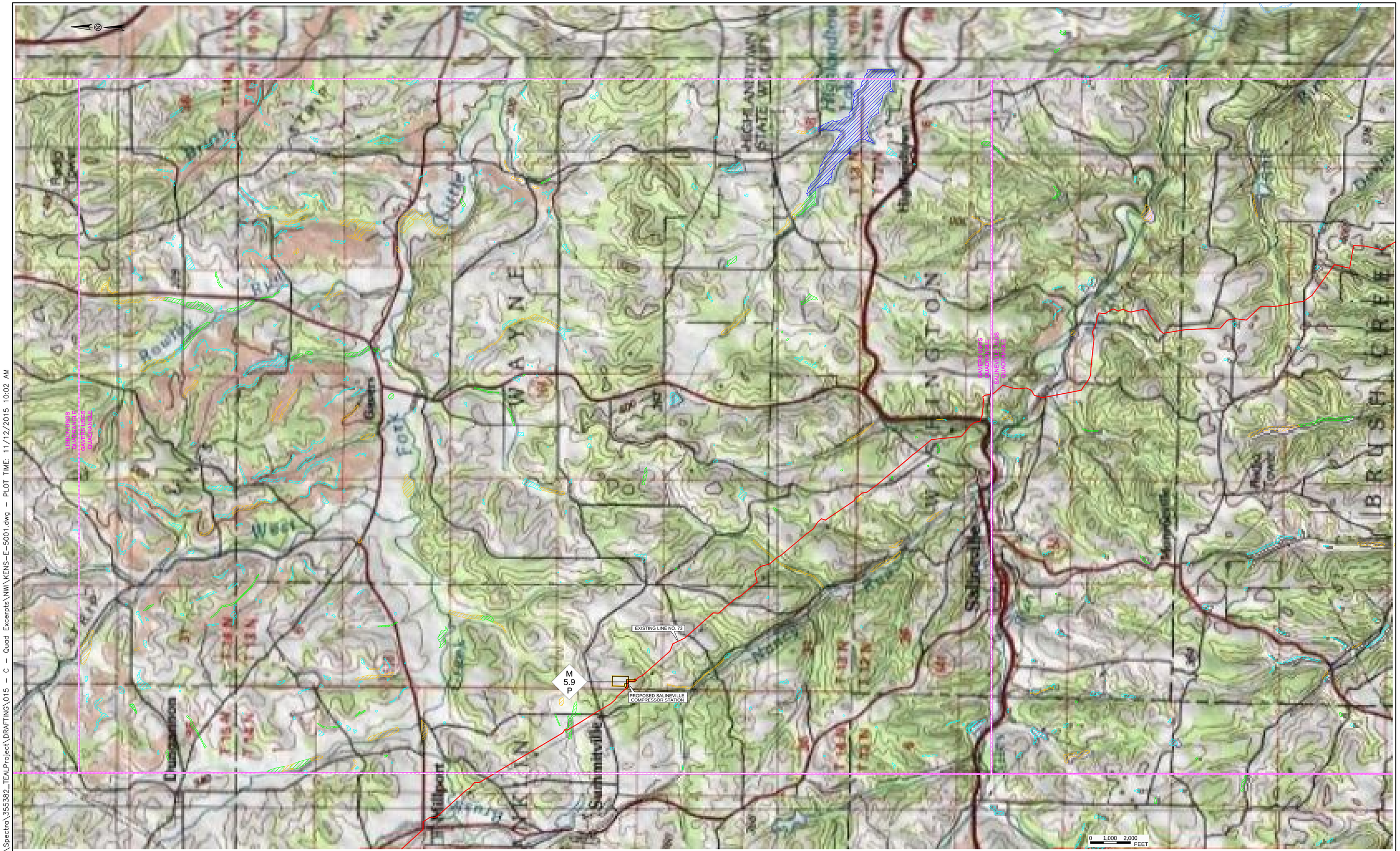
COLE TO EOLN SEGMENT
TEAL PROJECT
COLERAIN STATION
USGS NWI MAP

LOC. BELMONT COUNTY, OHIO

YEAR: 2017 | 1" = 2000' | SCALE: AS SHOWN | DWG.COLE-E-5002 | REV. F

Spectra Energy Partners.

Texas Eastern Transmission, LP
5400 Westheimer Ct. Houston, TX 77056-5310 713 / 627-5400



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LEGEND

- FRESHWATER EMERGENT WETLAND
- FRESHWATER FORESTED SHRUB/WETLAND
- FRESHWATER POND
- STAGING AREAS
- COMPRESSOR/LAUNCHER SITES
- LAKE
- OTHER
- RIVERINE
- USGS QUADRANGLE BOUNDARY

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
		F	ISM	TLM	ISSUE FOR FERC (10/01/15)

Hatch Mott MacDonald

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
ISM				
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

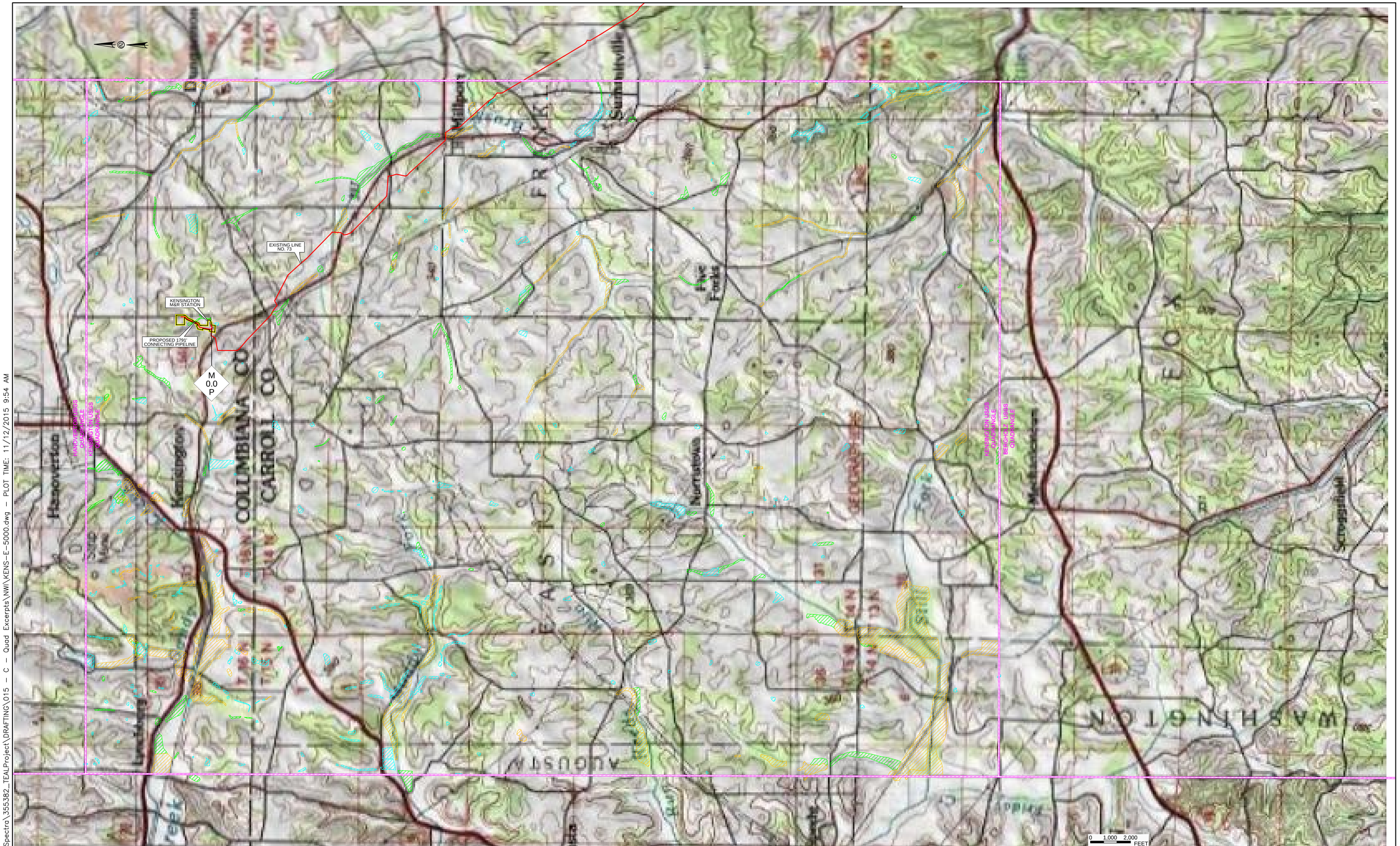
KENS TO SALI SEGMENT
TEAL PROJECT
PROP. 30" CONNECTING PIPELINE, MLV, & SALINEVILLE C.S.
USGS NWI MAP

LOC. COLUMBIANA COUNTY, OHIO

YEAR: 2017 | 1" = 2000' | SCALE: AS SHOWN | DWG. KENS-E-5001 | REV. F

Spectra Energy Partners.

Texas Eastern Transmission, LP
5400 Westheimer Ct. Houston, TX 77056-5310 713 / 627-5400



LEGEND

- FRESHWATER EMERGENT WETLAND
- FRESHWATER FORESTED SHRUB/WETLAND
- FRESHWATER POND
- STAGING AREAS
- COMPRESSOR/LAUNCHER SITES
- LAKE
- OTHER
- RIVERINE
- USGS QUADRANGLE BOUNDARY

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
		1	ISM	TLM	ISSUE FOR FERC (10/01/15)

Hatch Mott MacDonald

ENGINEERING APPROVALS				
DRAWN BY:	BID		CONSTRUCTION	
ISM				
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

KENS TO SALI SEGMENT
TEAL PROJECT
PROP. 30" CONNECTING PIPELINE, MLV, & SALINEVILLE C.S.
USGS NWI MAP

LOC. COLUMBIANA COUNTY, OHIO

YEAR: 2017 | 1" = 2000' | SCALE: AS SHOWN | DWG.KENS-E-5000 | REV. F

Spectra Energy Partners

Texas Eastern Transmission, LP
5400 Westheimer Ct. Houston, TX 77056-5310 713 / 627-5400

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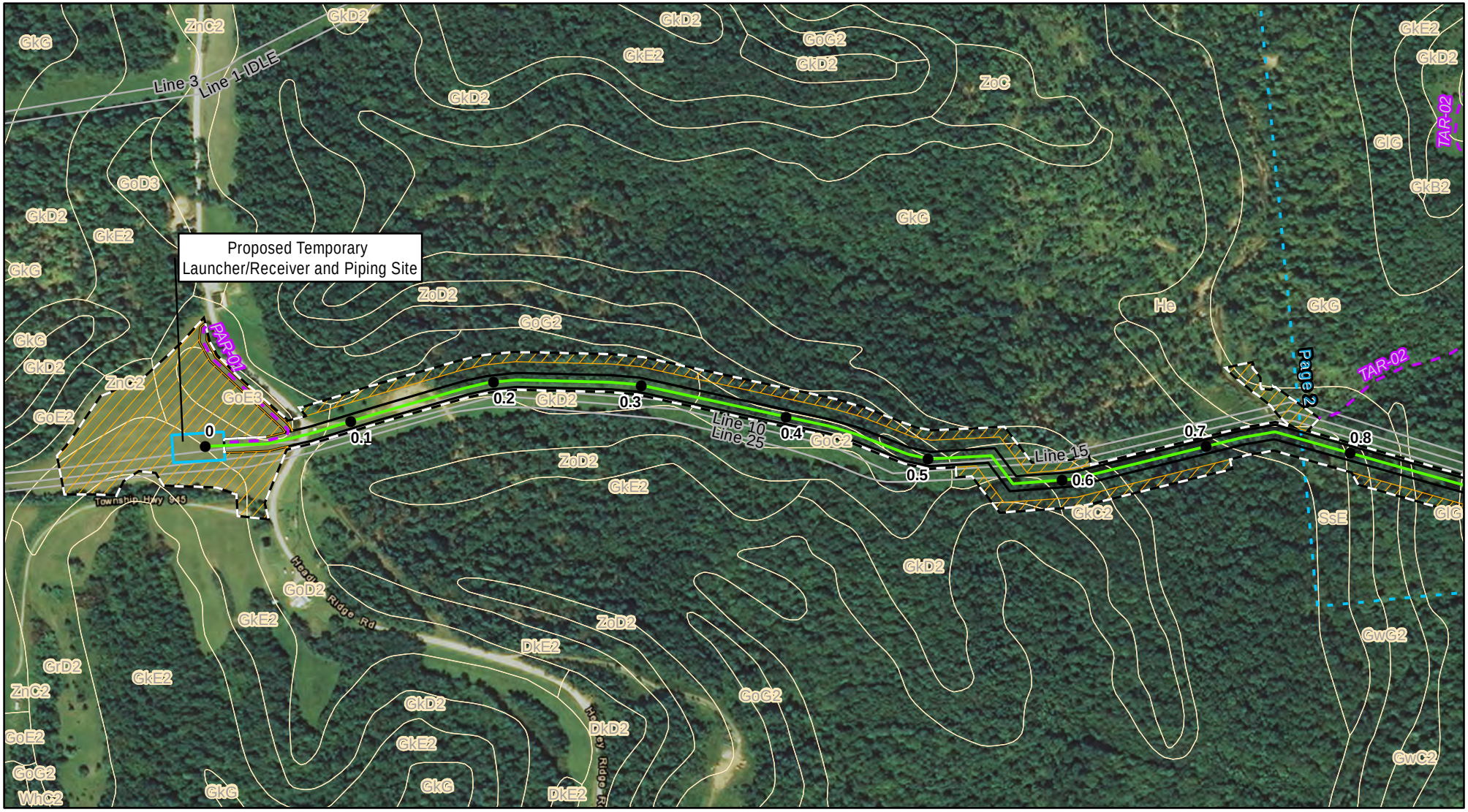


Legend

- Mileposts (0.1 Mile)
- Access Roads
- Proposed Connecting Pipeline to NEXUS
- Proposed Pipeline Loop
- Existing Texas Eastern Pipeline
- Valve Station
- Temporary Worksapce
- Additional TWS
- New Permanent Easement
- Existing Permanent Easement
- NRCS Soils
- Project Counties
- Adjacent Page

N

0 250 500
Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, USDA NRCS

Appendix 7B

Soils Crossed by the TEAL Project Facilities

Proposed Pipeline Loop

Monroe County, OH

Texas Eastern Appalachian Lease Project

Spectra Energy Partners

Created: 10/20/2015 Page 1 of 13

Legend

- Mileposts (0.1 Mile)
- Access Roads
- Proposed Connecting Pipeline to NEXUS
- Proposed Pipeline Loop
- Existing Texas Eastern Pipeline
- Valve Station
- Temporary Worksapce
- Additional TWS
- New Permanent Easement
- Existing Permanent Easement
- NRCS Soils
- Project Counties
- Adjacent Page

0 250 500
Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, USDA NRCS

Appendix 7B

Soils Crossed by the
TEAL Project Facilities

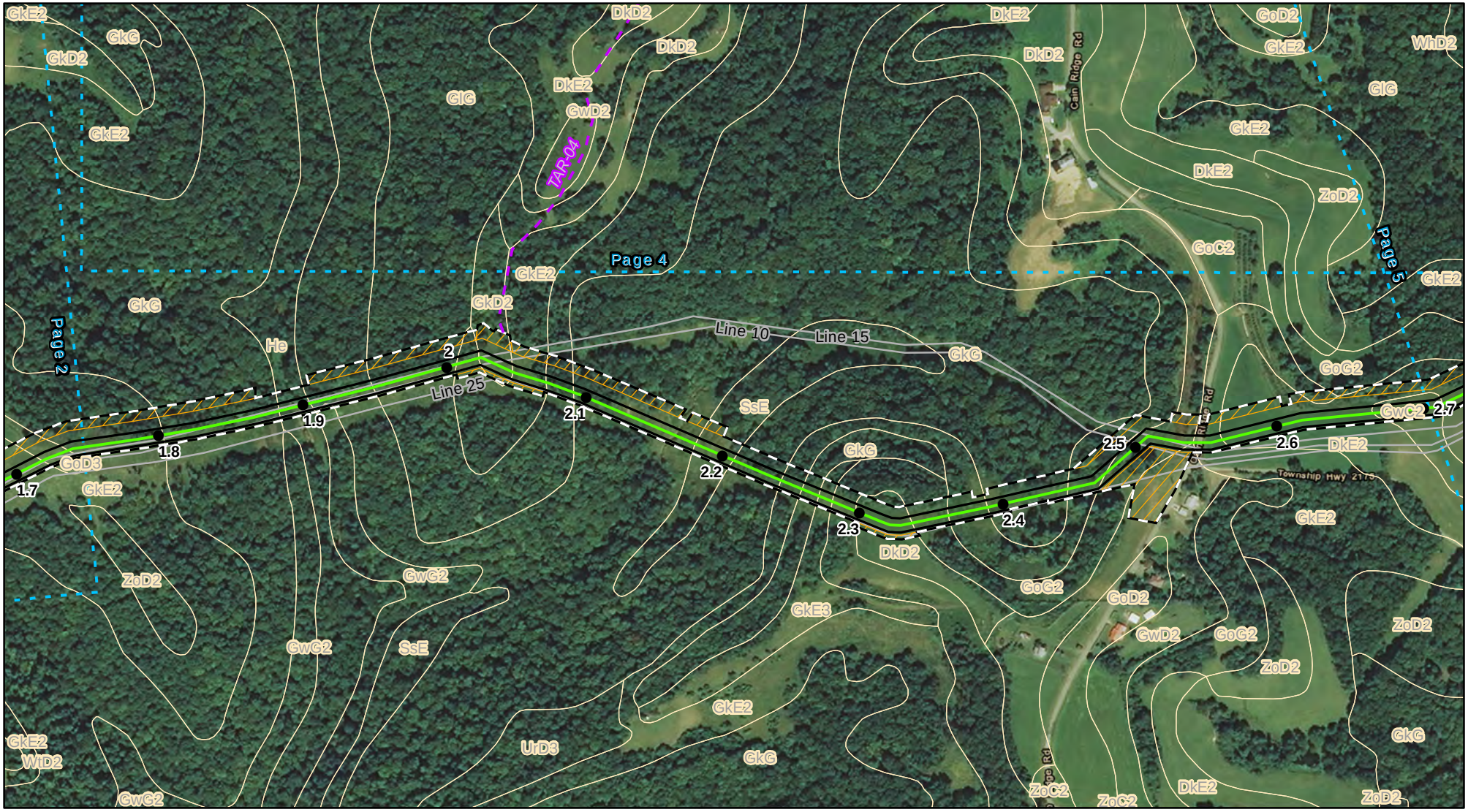
Proposed Pipeline Loop

Monroe County, OH

Texas Eastern Appalachian Lease Project

Spectra Energy Partners

Created: 10/20/2015 Page 2 of 13



Legend

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- Adjacent Page

0 250 500
Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, USDA NRCS

Appendix 7B

Soils Crossed by the
TEAL Project Facilities

Proposed Pipeline Loop

Monroe County, OH

Texas Eastern Appalachian Lease Project

Spectra Energy Partners

Created: 10/20/2015 Page 3 of 13

Legend

- Mileposts (0.1 Mile)
- Access Roads
- Proposed Connecting Pipeline to NEXUS
- Proposed Pipeline Loop
- Existing Texas Eastern Pipeline
- Valve Station
- Temporary Worksapce
- Additional TWS
- New Permanent Easement
- Existing Permanent Easement
- NRCS Soils
- Project Counties
- Adjacent Page

N

0 250 500
Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, USDA NRCS

Appendix 7B

Soils Crossed by the
TEAL Project Facilities

Proposed Pipeline Loop

Monroe County, OH

Texas Eastern Appalachian Lease Project

Spectra Energy Partners

Created: 10/20/2015 Page 4 of 13

Legend

- Mileposts (0.1 Mile)
- Access Roads
- Proposed Connecting Pipeline to NEXUS
- Proposed Pipeline Loop
- Existing Texas Eastern Pipeline
- Valve Station
- Temporary Worksapce
- Additional TWS
- New Permanent Easement
- Existing Permanent Easement
- NRCS Soils
- Project Counties
- Adjacent Page

N

0 250 500
Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, USDA NRCS

Appendix 7B

Soils Crossed by the
TEAL Project Facilities

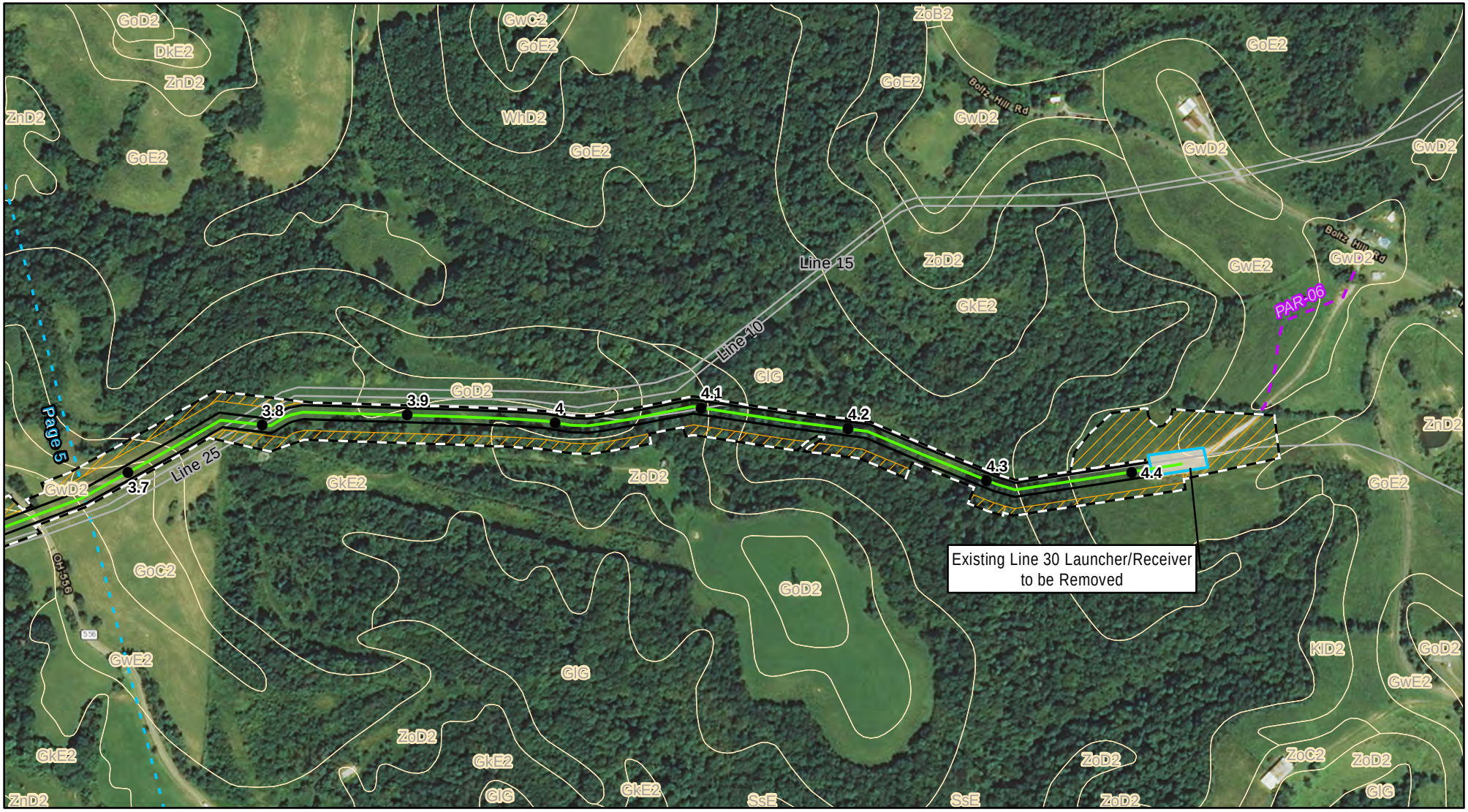
Proposed Pipeline Loop

Monroe County, OH

Texas Eastern Appalachian Lease Project

Spectra Energy Partners

Created: 10/20/2015 Page 5 of 13



Legend

- Mileposts (0.1 Mile)
- Access Roads
- Proposed Connecting Pipeline to NEXUS
- Proposed Pipeline Loop
- Existing Texas Eastern Pipeline
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- Additional TWS
- New Permanent Easement
- Existing Permanent Easement
- NRCS Soils
- Project Counties
- Adjacent Page

N

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Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, USDA NRCS

Appendix 7B

Soils Crossed by the
TEAL Project Facilities

Proposed Pipeline Loop

Monroe County, OH

Texas Eastern Appalachian Lease Project

Spectra Energy Partners

Created: 10/20/2015 Page 6 of 13

Legend

- Mileposts (0.1 Mile)
- Access Roads
- Proposed Connecting Pipeline to NEXUS
- Proposed Pipeline Loop
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- Additional TWS
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- Project Counties
- Adjacent Page

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Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, USDA NRCS

Appendix 7B

Soils Crossed by the
TEAL Project Facilities

Line 73 Launcher/Receiver Site

Monroe County, OH

Texas Eastern Appalachian Lease Project

Spectra Energy Partners

Created: 10/20/2015 Page 7 of 13

Legend

- Mileposts (0.1 Mile)
- Access Roads
- Proposed Connecting Pipeline to NEXUS
- Proposed Pipeline Loop
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- Additional TWS
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0 250 500
Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, USDA NRCS

Appendix 7B

Soils Crossed by the
TEAL Project Facilities

Existing Line 73 Regulator

Monroe County, OH

Texas Eastern Appalachian Lease Project

Spectra Energy Partners

Created: 10/20/2015

Legend

- Mileposts (0.1 Mile)
- Access Roads
- Proposed Connecting Pipeline to NEXUS
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- Existing Texas Eastern Pipeline
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N

0 250 500
Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, USDA NRCS

Appendix 7B

Soils Crossed by the
TEAL Project Facilities

Existing Colerain Compressor Station

Belmont County, OH

Texas Eastern Appalachian Lease Project

Spectra Energy Partners

Created: 10/20/2015

Legend

- Mileposts (0.1 Mile)
- Access Roads
- Proposed Connecting Pipeline to NEXUS
- Proposed Pipeline Loop
- Existing Texas Eastern Pipeline
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- Adjacent Page

N

0 250 500
Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, USDA NRCS

Appendix 7B

Soils Crossed by the
TEAL Project Facilities

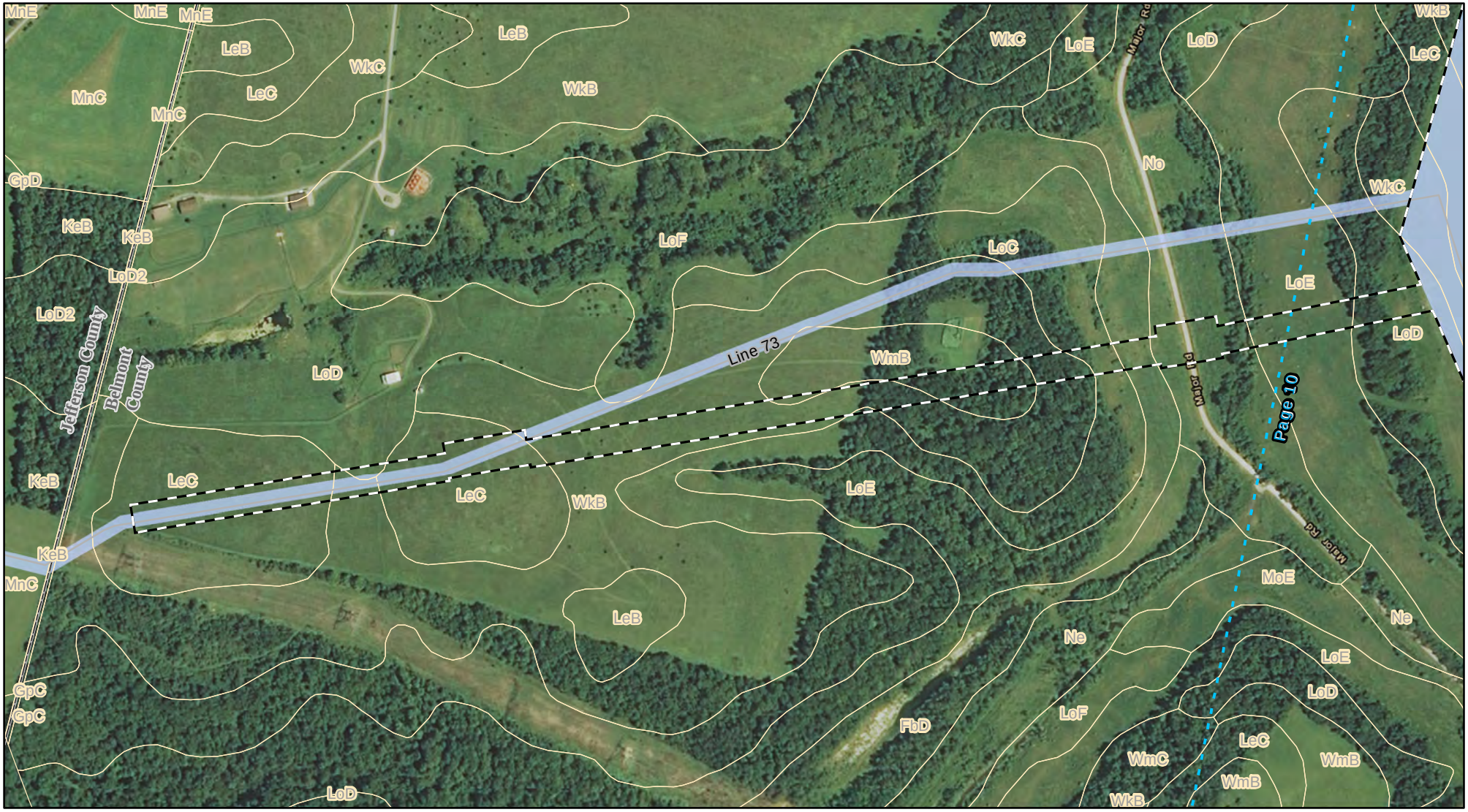
Existing Colerain Compressor Station

Belmont County, OH

Texas Eastern Appalachian Lease Project

Spectra Energy Partners

Created: 10/20/2015 Page 10 of 13



Legend

- Mileposts (0.1 Mile)
- Access Roads
- Proposed Connecting Pipeline to NEXUS
- Proposed Pipeline Loop
- Existing Texas Eastern Pipeline
- Valve Station
- Temporary Worksapce
- Additional TWS
- New Permanent Easement
- Existing Permanent Easement
- NRCS Soils
- Project Counties
- Adjacent Page

0 250 500
Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, USDA NRCS

Appendix 7B

Soils Crossed by the
TEAL Project Facilities

Existing Colerain Compressor Station

Belmont County, OH

Texas Eastern Appalachian Lease Project

Spectra Energy Partners

Legend

- Mileposts (0.1 Mile)
- Access Roads
- Proposed Connecting Pipeline to NEXUS
- Proposed Pipeline Loop
- Existing Texas Eastern Pipeline
- Valve Station
- Temporary Worksapce
- Additional TWS
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- Existing Permanent Easement
- NRCS Soils
- Project Counties
- Adjacent Page

N

0 250 500
Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, USDA NRCS

Appendix 7B

Soils Crossed by the
TEAL Project Facilities

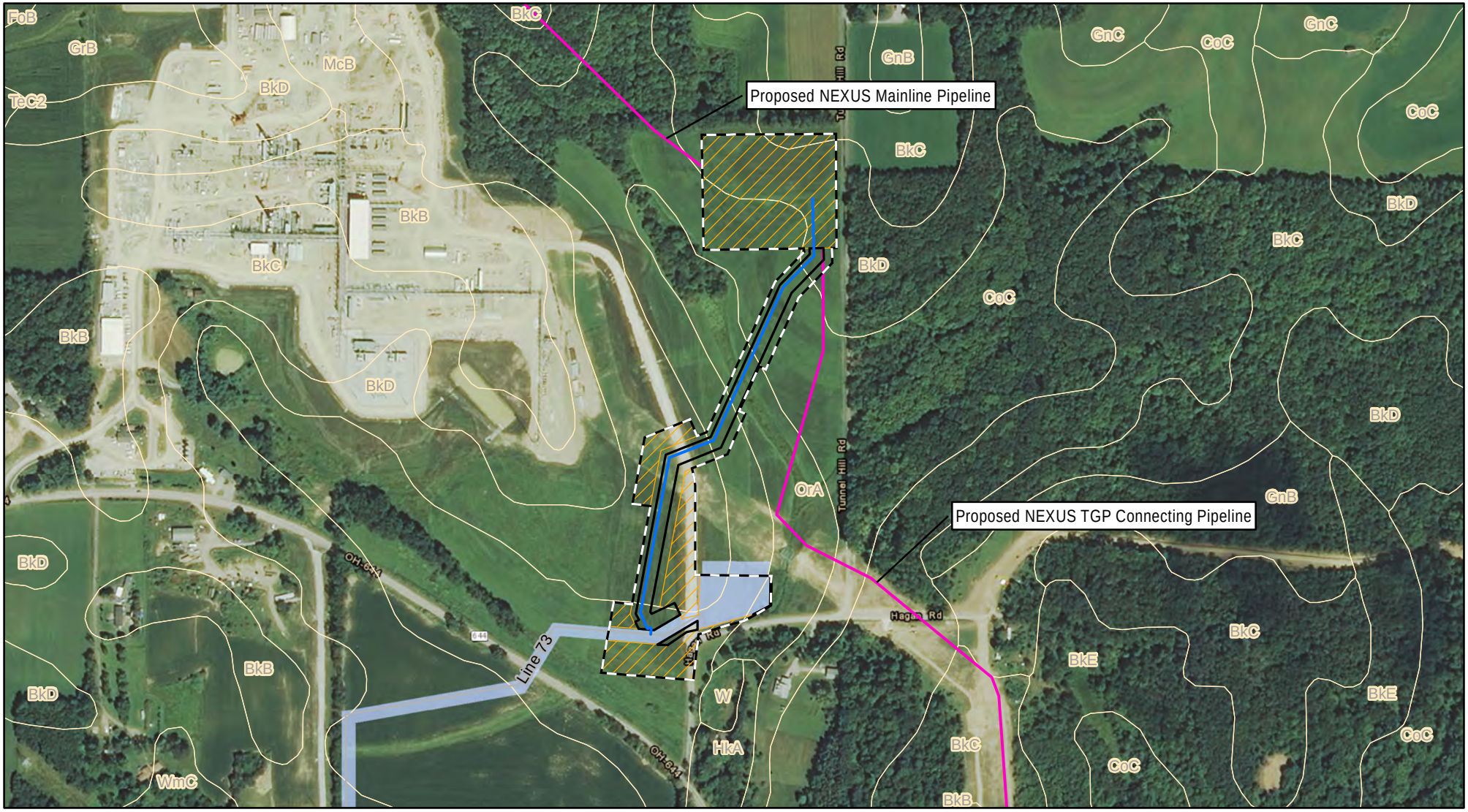
Proposed Salineville Compressor Station

Columbiana County, OH

Texas Eastern Appalachian Lease Project

Spectra Energy Partners

Created: 10/20/2015



Legend

- Mileposts (0.1 Mile)
- Access Roads
- Proposed Connecting Pipeline to NEXUS
- Proposed Pipeline Loop
- Existing Texas Eastern Pipeline
- Valve Station
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- Additional TWS
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- Existing Permanent Easement
- NRCS Soils
- Project Counties
- Adjacent Page

N

0 250 500
Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, USDA NRCS

Appendix 7B

Soils Crossed by the
TEAL Project Facilities

Proposed Connecting Pipeline to NEXUS

Columbiana County, OH

Texas Eastern Appalachian Lease Project

Spectra Energy Partners

Created: 10/20/2015