



Transcontinental Gas Pipe Line Company, LLC

Requirement G-1 – PNDI Environmental Review Receipt

**Regional Energy Access Expansion Project –
Regional Energy Lateral and Existing Compressor Station 515**

**April 2021
(Revised July 2022)**

1. PROJECT INFORMATION

Project Name: **Regional Energy Access Project**

Date of Review: **4/21/2022 04:23:35 PM**

Project Category: **Energy Storage, Production, and Transfer, Energy Transfer, Pipeline (e.g., gas, oil) -- NEW (construction of new line in a new location)**

Project Area: **734.01 acres**

County(s): **Bucks; Chester; Delaware; Luzerne; Monroe; Northampton; York**

Watersheds HUC 8: **Brandywine-Christina; Lehigh; Lower Delaware; Lower Susquehanna; Middle Delaware-Mongaup-Brodhead; Middle Delaware-Musconetcong; Schuylkill; Upper Susquehanna-Lackawanna**

Watersheds HUC 12: **Abrahams Creek; Bear Creek; Buck Creek-Delaware River; Buckhorn Creek-Delaware River; Buckwha Creek; City of Wilkes-Barre-Mill Creek; City of Wilkes-Barre-Susquehanna River; Fishing Creek-Muddy Creek; Headwaters Pohopoco Creek; Little Valley Creek-Valley Creek; Lower McMichael Creek; Mud Run; Oldmans Creek-Delaware River; Toby Creek; Tunkhannock Creek; Upper McMichael Creek; Valley Creek; Wright Creek-Lehigh River**

Decimal Degrees: **41.221251, -75.738892**

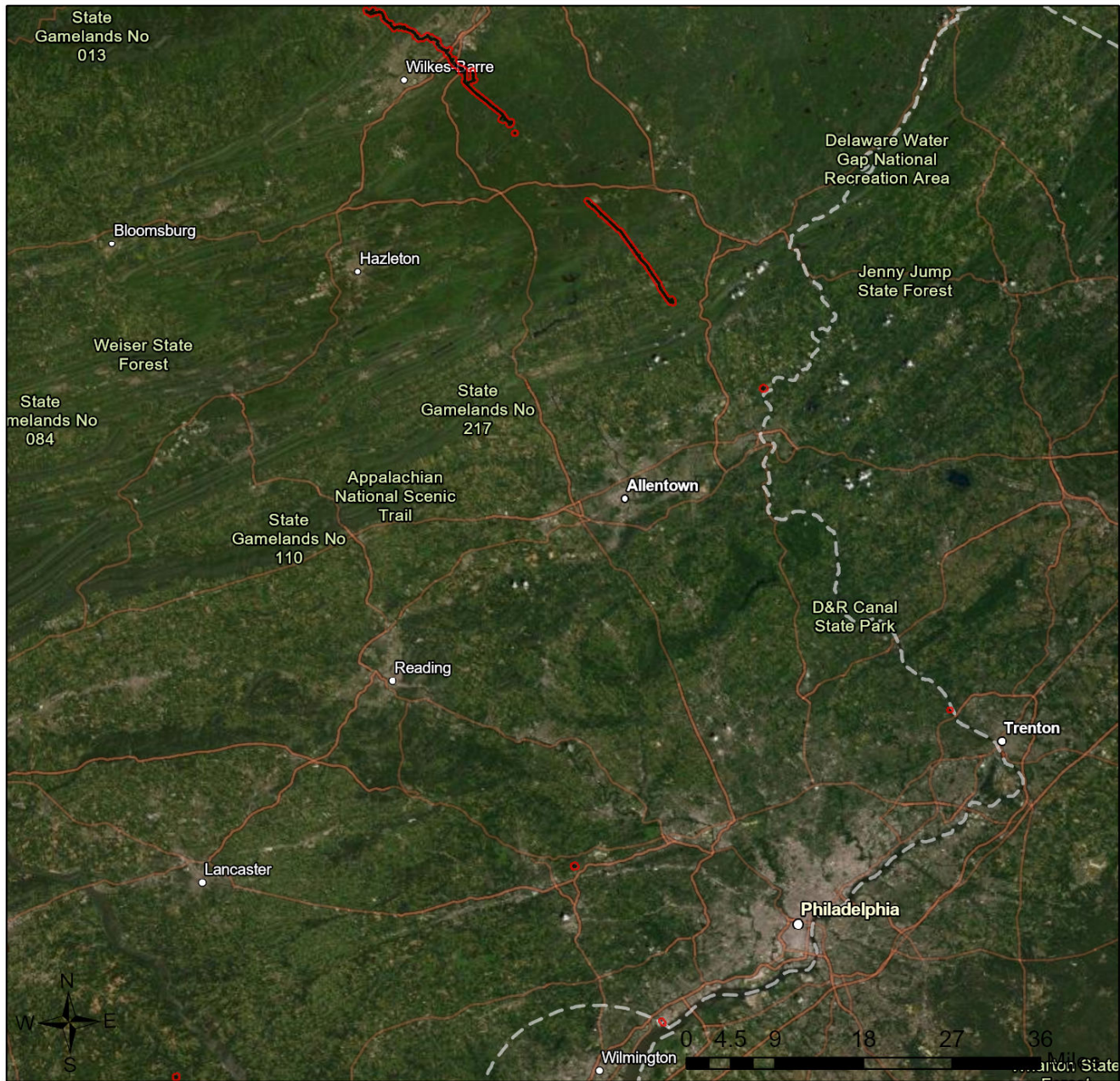
Degrees Minutes Seconds: **41° 13' 16.5045" N, 75° 44' 20.120" W**



2. SEARCH RESULTS - LARGE PROJECT

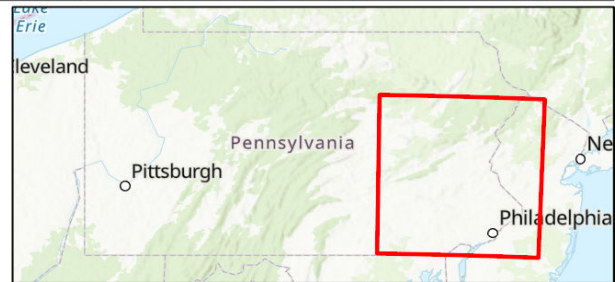
Agency	Results	Response
PA Game Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Department of Conservation and Natural Resources	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Fish and Boat Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
U.S. Fish and Wildlife Service	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response

Large Project. The project area is greater than 10 miles and/or 5,165 acres and therefore is categorized as a Large Project, and is not analyzed by the PNDI tool. Coordination is therefore required with the four jurisdictional agencies to determine if potential impacts to threatened and endangered and/or special concern species and resources within the project area. Please see the DEP Information section of the receipt if a PA Department of Environmental Protection Permit is required.

Regional Energy Access Project



-  Buffered Project Boundary
-  Project Boundary



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland,

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

PA Department of Conservation and Natural Resources

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

PA Fish and Boat Commission

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

U.S. Fish and Wildlife Service

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, upload* or email the following information to the agency(s) (see AGENCY CONTACT INFORMATION). Instructions for uploading project materials can be found [here](#). This option provides the applicant with the convenience of sending project materials to a single location accessible to all three state agencies (but not USFWS).

*If information was requested by USFWS, applicants must email, or mail, project information to IR1_ESPenn@fws.gov to initiate a review. USFWS will not accept uploaded project materials.

Check-list of Minimum Materials to be submitted:

____ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.

____ A map with the project boundary and/or a basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

In addition to the materials listed above, USFWS REQUIRES the following

____ **SIGNED** copy of a Final Project Environmental Review Receipt

The inclusion of the following information may expedite the review process.

____ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

____ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

PA Fish and Boat Commission

Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
Email: IR1_ESPenn@fws.gov
NO Faxes Please

PA Game Commission

Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Karen Olson
Company/Business Name: Williams-Transcontinental Gas Pipeline Company, LLC
Address: 2800 Post Oak Blvd, Level 11
City, State, Zip: Houston, TX, 77056
Phone: (713) 215-4232 Fax: ()
Email: karen.olson@williams.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.



4/21/22

applicant/project proponent signature

date



Transcontinental Gas Pipe Line Company, LLC
 2800 Post Oak Boulevard, Level 11
 Houston, Texas 77056

April 21, 2022

**Re: Updated PNDI Search ID: PNDI 702499
 Transcontinental Gas Pipe Line Company, LLC
 Regional Energy Access Expansion Project**

To whom it may concern,

Transcontinental Gas Pipe Line Company, LLC (Transco) is providing an update to the original Pennsylvania Natural Diversity Index (PNDI) online Large Project Review for the Regional Energy Access Expansion (REAE) Project (Project) submitted on January 31, 2020 and last revised on September 8, 2020. This update provides additional details since the previous submission as well as updated Project files identifying the current Project layout, including the PADEP and/or FERC Workspace and pipeline routes. For those areas without earth disturbance, a site location is provided in the files.

The following is a list of the agency unique identifiers for the Project:

Pennsylvania Game Commission – PGC ID# 202002030501
 Pennsylvania Fish and Boat Commission – SIR# 52530
 Pennsylvania Department of Conservation of Natural Resources – PNDI# 702499
 United States Fish and Wildlife Service – Project # 2020-0592

The summary table below outlines the location of Project components in Pennsylvania. A column has been added to this table to reflect general updates since September 2020 submission. Attachment A to this updated submission includes the updated detailed Project description.

Table 1. Project Facility Summary Table			
Project Component	County	Project Locations Map	Workspace Update Summary
<u>Pipeline Components</u>			
Proposed 30" Regional Energy Lateral	Luzerne	REL 1-4	Minor route and workspace adjustments
Proposed 42" Leidy D Effort Loop	Monroe	EL1 – EL3	Minor workspace adjustments
<u>Compressor Station Components</u>			
Existing Compressor Station 195	York	CS195-1	No Changes (No Earth Disturbance Proposed)
Existing Compressor Station 200	Chester	CS200-1	Minor workspace adjustments

Table 1. Project Facility Summary Table			
Existing Compressor Station 515	Luzerne	CS515-1	Minor workspace adjustments
<u>Aboveground Ancillary Facilities</u>			
Hildebrandt/Lower Demunds REL Tie-Ins	Luzerne	HLD-1	Minor Workspace Adjustments
Existing Carverton Meter Station	Luzerne	CARV-1	Minor workspace adjustments
Existing Chester Meter Station	Chester	CMS-DEL-1	Removed from the Project
Existing Chapin Meter Station	Wyoming	CMS-WY-1	Removed from the Project
Existing Puddlefield Meter Station	Wyoming	PMS-1	Removed from the Project
Existing Post Road M&R	Delaware	PRMR-1	No Changes (No earth Disturbance proposed)
Proposed Chester Regulation	Delaware	CMS-DEL-1	Removed from the Project
Existing Marcus Hook Meter Station	Delaware	PRMR-1	Added to the Project (No earth Disturbance proposed)
Existing Delaware Regulator/Lower Mud Run Meter Station	Northampton	DEL/LMR-1	Minor workspace adjustments
Existing Mainline "A" Regulator	Bucks	MLA-1	No Changes

Revised Project location mapping is included within Attachment B of this submission. Updated GIS shapefiles have been uploaded as part of the PNDI Online submission.

Specific summaries for each of the reviewing agencies is included within Attachments C-F. Attachment C includes a summary for the Department of Conservation of Natural Resources (DCNR). Attachment D includes a summary for the Pennsylvania Fish and Boat Commission (PFBC). Attachment E includes a summary for the Pennsylvania Game Commission (PGC). Attachment F includes a summary for the U.S. Fish and Wildlife Service (USFWS).

Should the Project, as presented, indicate the need for additional species-specific field studies from what was previously requested or indicate other Project considerations, please provide a response outlining those requirements. Otherwise, Transco requests an updated PNDI correspondence letter based on the updated Project information included. Transco has completed necessary surveys for all PNDI agencies based on the latest response letters. Project modifications included with this submission are minor in nature and have survey coverage from those completed and reported on in 2020 and 2021.

If you have any questions regarding this correspondence and information request, or require additional Project information, please do not hesitate to call me at (713) 215-4232 or contact me via e-mail at karen.olson@Williams.com. Alternatively, you can contact Ryan Nelson, Senior Project Manager at WHM Consulting, LLC at (814) 689-1650 or via e-mail at ryann@whmgroup.com. I appreciate your assistance and thank you for your attention to this request.

Respectfully submitted,

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

A handwritten signature in blue ink, appearing to read "Karen Olson", followed by a horizontal line extending to the right.

Karen Olson
Environmental Specialist

Attachments: Attachment A: Detailed Project Description
 Attachment B: Project Location Maps
 Attachment C: Department of Conservation of Natural Resources
 Attachment D: Pennsylvania Fish and Boat Commission
 Attachment E: Pennsylvania Game Commission
 Attachment F: U.S. Fish and Wildlife Service

cc: Josh Henry, Transco
 Ryan Nelson, WHM Consulting, LLC

*Regional Energy Access Expansion Project
Transcontinental Gas Pipe Line Company, LLC
April 2022 Updated PNDI Submission*

ATTACHMENT A DETAILED PROJECT DESCRIPTION

A. Overall Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point¹ in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.2 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
- Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
- New electric motor driven compressor station identified as Compressor Station 201 with 9,000 nominal horsepower (HP) in Gloucester County, NJ;
- Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at International Organization for Standardization (ISO) conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
- Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP

¹ A pooling point defines the aggregation of gas from multiple physical and/or virtual receipt points to a single physical or virtual point, and the disaggregation of gas from a single physical or virtual point to multiple physical and/or virtual delivery points.

from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;

- Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 6,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
- Modifications at existing Compressor Station 200 in Chester County, PA;
- Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
- Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds Tie-in, and Carverton Tie-in);
- Addition of regulation controls at an existing valve setting on Transco’s Mainline “A” in Bucks County, PA (Mainline A Regulator);
- Modifications at the existing Delaware River Regulator in Northampton County, PA;
- Modifications at the existing Centerville Regulator in Somerset County, NJ;
- Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
- Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
- Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
- Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);

- Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
- Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.

In an ongoing effort to reduce its air emissions footprint, Transco is assessing the replacement of vintage gas-fired reciprocating engine driven compressors with more efficient state-of-the-art gas-fired turbine driven compressors. The proposed compression abandonment and replacement scopes at Transco’s existing Compressor Station 505 and Compressor Station 515 are part of this effort and have been adopted into the Project scope. Additionally, the uprate and optimization of existing electric motor-driven compression to accommodate abandonment of gas-fired reciprocating engine driven compression at Compressor Station 195 has also been adopted into the Project scope.

Subject to FERC’s certification of the Project and receipt of the necessary permits and authorizations, Transco anticipates construction of the Project would commence in second quarter 2023 to meet a proposed in-service date in fourth quarter 2024.

B. Detailed Description for Pennsylvania Project Components Requiring Earth Disturbance

Each project component located in Pennsylvania that will require earth disturbance is outlined below. This includes the proposed pipelines, modifications to existing compressor stations and facilities, the addition of new above ground facilities and communication facilities. Project components requiring earth disturbance are located in Luzerne, Monroe, Northampton, Chester, and Bucks Counties. Project components located in Pennsylvania that do not require earth disturbance include: Compressor Station 195 (York County), Lower Mud Run Meter Station (Northampton County), Post Road Meter Station and Marcus Hook Meter Station (both Delaware County). Project components without earth disturbance are not further discussed.

B.1. Pipeline Facilities

The Project will include one pipeline lateral and one pipeline loop. Table B.1-1 includes a summary of the proposed pipeline facilities within each township and county.

**Table B.1-1
 Summary of Project Pipeline Facilities**

Facility	County	Municipality	Length (miles)
Regional Energy Lateral	Luzerne	Buck Township	1.5
		Bear Creek Township	6.2
		Plains Township	2.2
		Jenkins Township	2.6
		Lafin Borough	1.1
		Wyoming Borough	1.7
		West Wyoming Borough	2.0
		Kingston Township	3.5
		Dallas Township	1.5
Regional Energy Lateral Total^a			22.3
Effort Loop	Monroe	Ross Township	0.9
		Chestnuthill Township	8.0
		Tunkhannock Township	4.9
Effort Loop Total^a			13.8
Project Total^a			36.1
^a Totals may not sum exactly due to rounding.			

B.1.1. Regional Energy Lateral

Transco proposes to install approximately 22.22 miles of new 30-inch-diameter lateral pipeline in Luzerne County, PA, with a maximum allowable operating pressure (MAOP) of 1,480 pounds per square inch gauge (psig). Transco will refer to the pipeline as the Regional Energy Lateral. Transco developed the proposed alignment of the Regional Energy Lateral to collocate with Transco’s existing Leidy system to the extent practicable in an attempt to minimize overall impacts. Where feasible, Regional Energy Lateral will be collocated with the existing Transco Leidy Line A between MPs 0.00 and 22.32, with a nominal offset of 25 feet from the existing pipeline. In areas where collocation with Leidy Line A was not feasible, Transco also sought to maximize collocation with other existing utility corridors.

The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco’s existing Hildebrandt Interconnect in Dallas Township. Transco will be installing four mainline valves along the pipeline route and at each pipeline terminus. Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline into the existing facilities. Aboveground facilities are further described in Section B.2-1 below.

Cathodic protection equipment, including both deep and remote anode groundbeds, are proposed at three separate locations along the pipeline. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8. One remote anode ground bed is proposed at Milepost 15.3. Two contractor yards are also proposed for use during construction, CY-LU-001 at Milepost 15.3 and CY-LU-002 is located at MP 10.5.

B.1.2. Effort Loop

The Effort Loop will consist of approximately 13.78 miles of new 42-inch-diameter loop pipeline in Monroe County, PA, with a MAOP of 1,200 psig. The Effort Loop will be collocated with the existing Transco Leidy Line System between MPs 43.72 and 57.50, offset from the existing pipeline by approximately 25 feet, and would tie-in to Transco's Existing Leidy Line D at each end of the loop. Once placed into operation, Transco will refer to the Effort Loop as Leidy Line D. Modifications and additions to mainline valves are proposed at each pipeline terminus and along the pipeline route, which is further described in Section 2.2 below. One remote anode groundbed is proposed at Milepost 43.72. One contractor yard is proposed for use during construction (CY-MO-001) located at Milepost 43.72.

B.2. Aboveground Facilities

New aboveground facilities and modifications to existing aboveground facilities that are part the Project include:

- Additional compression and related modifications to two existing compressor stations;
- Other aboveground facilities including modifications to M&R stations, interconnects, and regulator facilities; and ancillary facilities such as MLVs, communication facilities, and pig launchers and receivers.

Table B.2-1 provides a summary, by location, of the compressor station modifications and the new or modified aboveground facilities in Pennsylvania.

**Table B.2-1
 Summary of Aboveground Facilities**

Facility	Facility Type	Description	Municipality	County	State
Modification to Existing Compressor Stations					
Compressor Station 515 (Beginning of Regional Energy Lateral-MLV-515RA10)	Compressor Station	Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating driven compressors and increase the certificated station compression by 46,742 HP; Adding MLV-515RA10 and associated pig trap (Regional Energy Lateral)	Buck Township	Luzerne	PA
Compressor Station 200	Compressor Station	Connect existing Transco Mainline A into suction to support south flow.	East Whiteland Township	Chester	PA
Other Aboveground Facilities					
MLV-505LD81 (Effort Loop)	Existing Mainline Valve	Remove existing pig trap and tie-in to existing MLV.	Ross Township	Monroe	PA
MLV-505LD86 (Effort Loop)	Proposed Mainline Valve	New remote operated MLV.	Chestnuthill Township	Monroe	PA
MLV-505LD90 (Effort Loop)	Existing Mainline Valve	Remove existing pig trap and tie-in to existing MLV.	Tunkhannock Township	Monroe	PA
Hildebrandt Tie-In (Terminus of Regional Energy Lateral- MLV-515RA40)	Receipt Interconnect	Install new tie-in piping, valves, and aboveground piping for annubar meter. Adding MLV-515RA40 and associated pig trap (Regional Energy Lateral)	Dallas Township	Luzerne	PA
Lower Demunds REL Tie-In (Regional Energy Lateral)	Receipt Interconnect	Install approximately 400 feet of new 20-inch tie-in piping and conduit from the existing Leidy A tie-in site to the new REL tie-in site, valves, and aboveground piping for annubar meter.	Dallas Township	Luzerne	PA
Carverton Tie-In (Regional Energy Lateral)	Receipt Interconnect	Install new tie-in piping, valves, and aboveground piping for annubar meter.	West Wyoming Borough	Luzerne	PA

**Table B.2-1
 Summary of Aboveground Facilities**

Facility	Facility Type	Description	Municipality	County	State
MLV-515RA30 (Regional Energy Lateral)	Proposed Mainline Valve	New remote operated MLV.	West Wyoming Borough	Luzerne	PA
MLV-515RA20 (Regional Energy Lateral)	Proposed Mainline Valve	New remote operated MLV.	Bear Creek Township	Luzerne	PA
Delaware River Regulator	Regulator Station	Upsize existing control valves and associated controls, replace Annubar and install 24" backpressure regulator for B line.	Lower Mt Bethel Township	Northampton	PA
Mainline A Regulator	Regulator Station	Add pressure regulation controls to existing valve actuators.	Lower Makefield Township	Bucks	PA
Key: EMD= electric motor-driven compressor HP = horsepower M&R= meter & regulating					

B.2.1. Modifications to Existing Compressor Stations

Transco proposes to install additional HP/compression and other related modifications at the following existing compressor stations:

- Compressor Station 515 in Luzerne County, PA – addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating driven compressors and increase the certificated station compression by 46,742 HP;
- Transco will remove and replace the existing communication tower at Compressor Station 515 during facility modifications. The new communication tower will be freestanding lattice tower (e.g. not supported by guy wires) and approximately 380 feet high, replacing the existing 357 feet high communication tower which is supported by guy wires.
- Compressor Station 200 in Chester County, PA – connect existing Transco Mainline A into suction to support south flow.

B.2.2. Modifications to Other Aboveground Facilities

Transco proposes modifications or increased flow at the following meter and regulating facilities to support the Project:

- Hildebrandt Tie-In in Luzerne County, PA – install new aboveground tie-in piping, valves, and aboveground piping for an annubar meter, and install MLV-515RA40 and associated pig trap at the Regional Energy Lateral terminus;
- Lower Demunds REL Tie-In in Luzerne County, PA – install approximately 400-feet of new 20-inch-diameter tie-in piping from Transco’s existing Leidy Line A tie-in site to the new proposed Regional Energy Lateral tie-in site, valves, and new aboveground tie-in piping for an annubar meter;
- Carverton Tie-In in Luzerne County, PA – install new tie-in piping into the proposed Regional Energy Lateral, valves, and aboveground tie-in piping for an annubar meter;
- Delaware River Regulator in Northampton County, PA – upsize existing control valves and associated controls, replace Annubar and install 24” backpressure regulator for B line;
- Mainline A Regulator in Bucks County, PA – add pressure regulation controls to existing valve actuators.

MLVs are installed along natural gas pipelines as a means to isolate gas flows along sections of a pipeline. New MLV facilities will have remote-control functionality and are spaced based on Department of Transportation (DOT) requirements. Installation of MLV facilities will primarily occur within the proposed pipeline construction areas and permanent rights -of way (ROWs). Pig launchers/receivers and communication equipment may be located at the MLV facilities. Transco proposes the addition of or modifications to the following MLV’s on the project:

- MLV-505LD81 in Monroe County, PA- tie-in to existing MLV and remove pig trap and associated piping;
- MLV-505LD86 in Monroe County, PA- new MLV with remote operating capabilities;
- MLV-505LD90 in Monroe County, PA- tie-in to existing MLV and remove pig trap and associated piping;
- MLV-515RA10 in Luzerne County, PA- new MLV with remote operating capabilities and new pig trap;

*Regional Energy Access Expansion Project
Transcontinental Gas Pipe Line Company, LLC
Attachment A – Detailed Project Description – PNDI Submission – April 2022*

- MLV-515RA20 in Luzerne County, PA- new MLV with remote operating capabilities;
- MLV-515RA30 in Luzerne County, PA- new MLV with remote operating capabilities;
- MLV-515RA40 in Luzerne County, PA- new MLV with remote operating capabilities and new pig trap

*Regional Energy Access Expansion Project
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April 2022 Updated PNDI Submission*

**ATTACHMENT B
PROJECT LOCATION MAPS**



Transcontinental Gas Pipe Line Company, LLC

Attachment B – Project Location Maps

Regional Energy Access Expansion Project

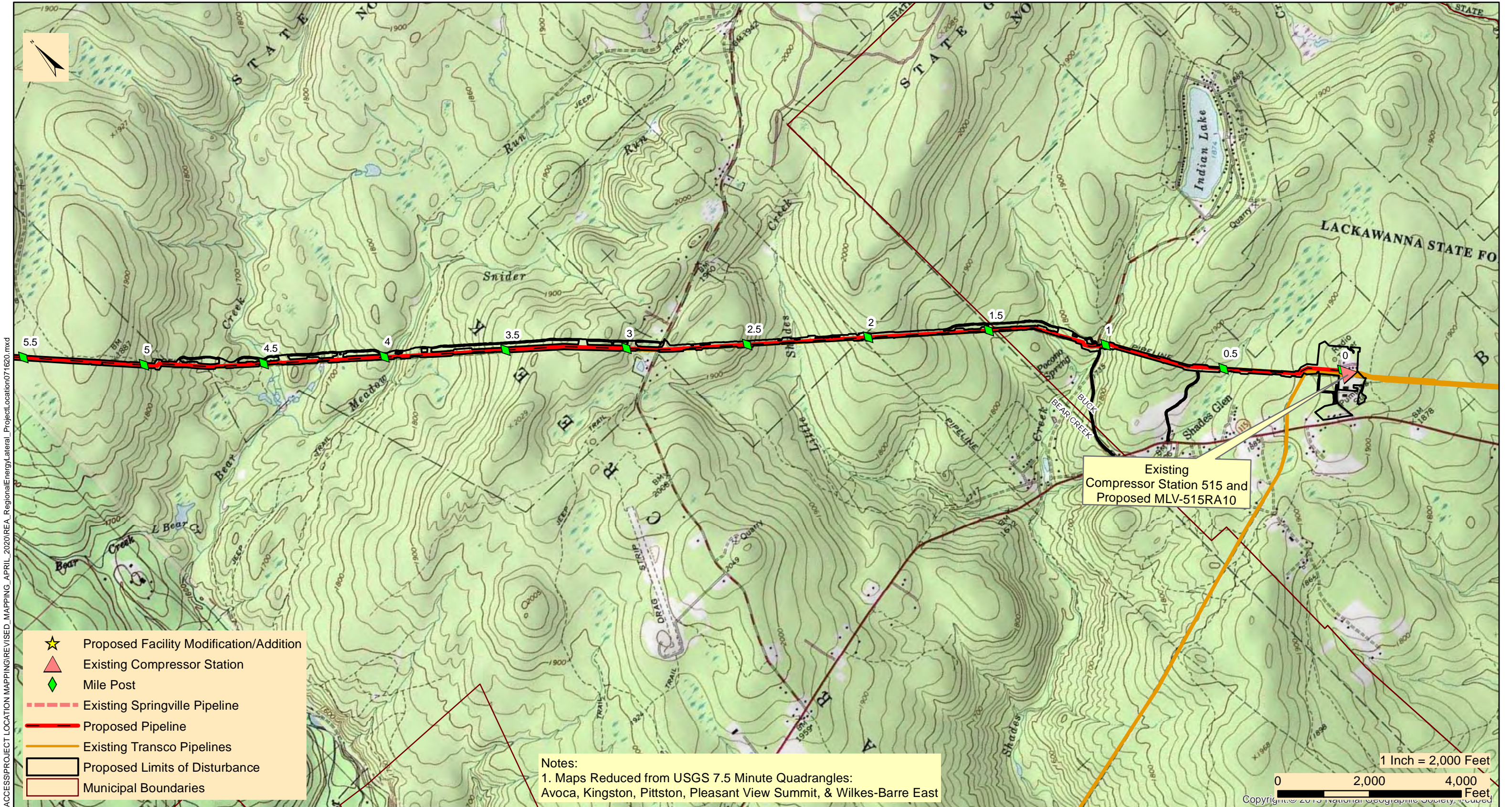
April 2022

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- 4 Compressor Station 515
- 5 Delaware River Regulator and Lower Mud Run Meter Site
- 6 Mainline A Regulator
- 7 Compressor Station 195
- 8 Post Road M&R and Marcus Hook Meter Station

SECTION 1
REGIONAL ENERGY LATERAL



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- ★ Proposed Facility Modification/Addition
- ▲ Existing Compressor Station
- ◆ Mile Post
- Existing Springville Pipeline
- Proposed Pipeline
- Existing Transco Pipelines
- ▭ Proposed Limits of Disturbance
- ▭ Municipal Boundaries

Notes:
 1. Maps Reduced from USGS 7.5 Minute Quadrangles:
 Avoca, Kingston, Pittston, Pleasant View Summit, & Wilkes-Barre East

Existing
 Compressor Station 515 and
 Proposed MLV-515RA10

1 Inch = 2,000 Feet
 0 2,000 4,000 Feet
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TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
REGIONAL ENERGY ACCESS EXPANSION PROJECT
PROPOSED 30" REGIONAL ENERGY LATERAL

PROJECT LOCATION MAP

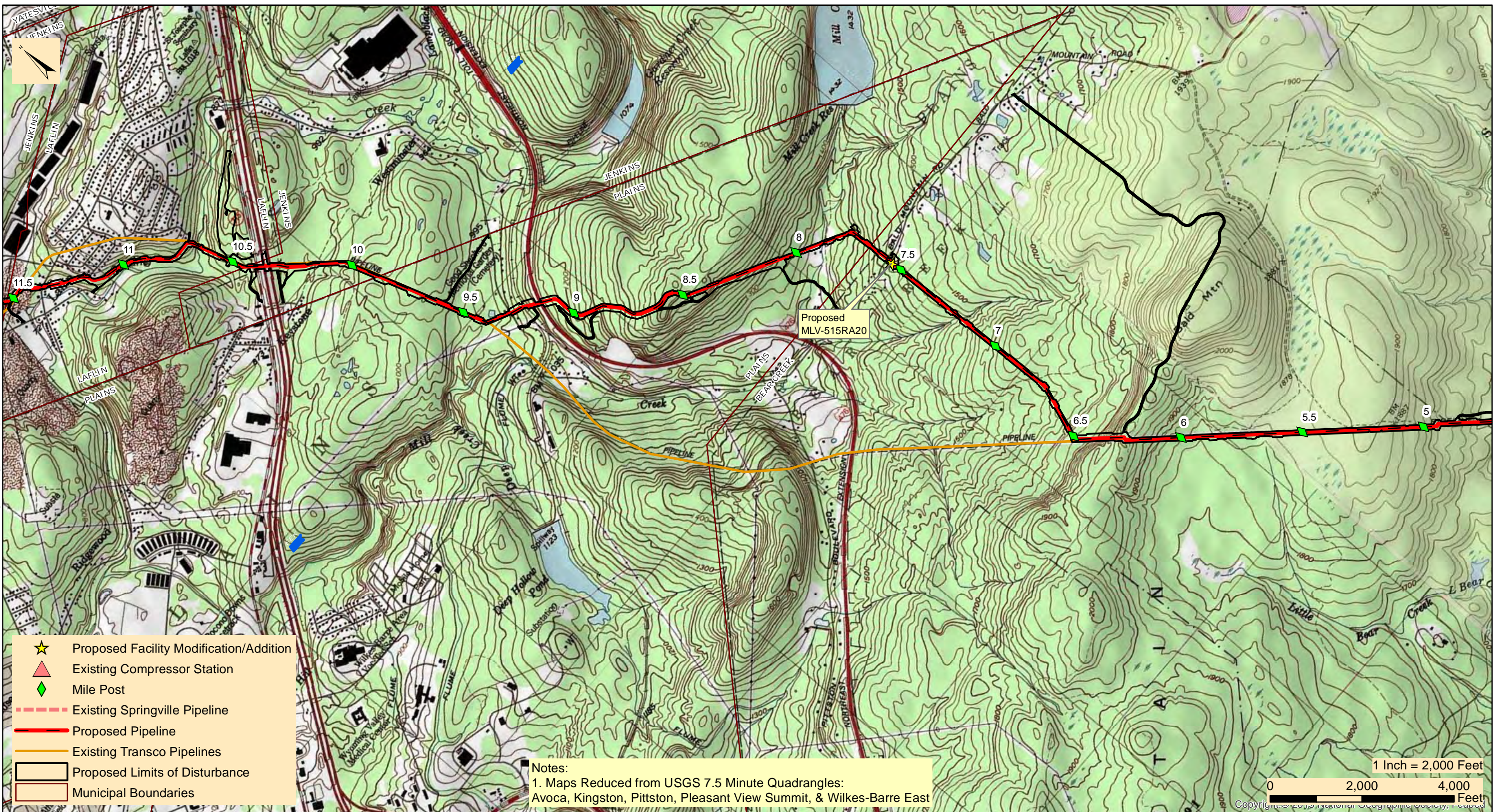
BUCK & BEAR CREEK TOWNSHIPS

LUZERNE COUNTY

PENNSYLVANIA

Date:	2/28/2022
Drawn By:	FTN
Figure Number:	REL-1

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TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
REGIONAL ENERGY ACCESS EXPANSION PROJECT
PROPOSED 30" REGIONAL ENERGY LATERAL

PROJECT LOCATION MAP

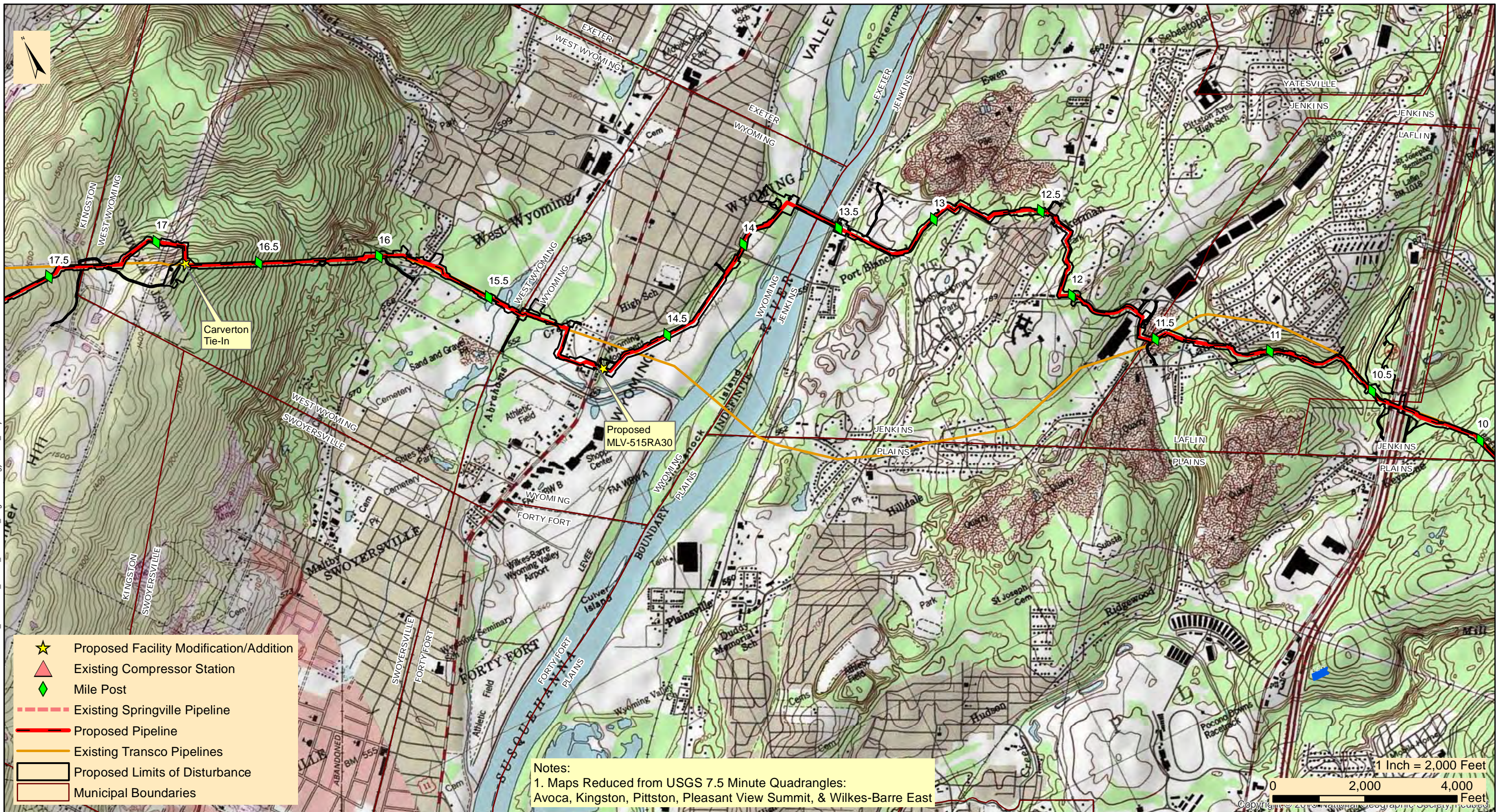
BEAR CREEK, JENKINS, PLAINS TWP, & LAFLIN BOROUGH

LUZERNE COUNTY

PENNSYLVANIA

Date:	2/28/2022
Drawn By:	FTN
Figure Number:	REL-2

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Notes:
 1. Maps Reduced from USGS 7.5 Minute Quadrangles:
 Avoca, Kingston, Pittston, Pleasant View Summit, & Wilkes-Barre East



TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
REGIONAL ENERGY ACCESS EXPANSION PROJECT
PROPOSED 30" REGIONAL ENERGY LATERAL

PROJECT LOCATION MAP

KINGSTON, JENKINS, WEST WYOMING, WYOMING, & LAFLIN

LUZERNE COUNTY

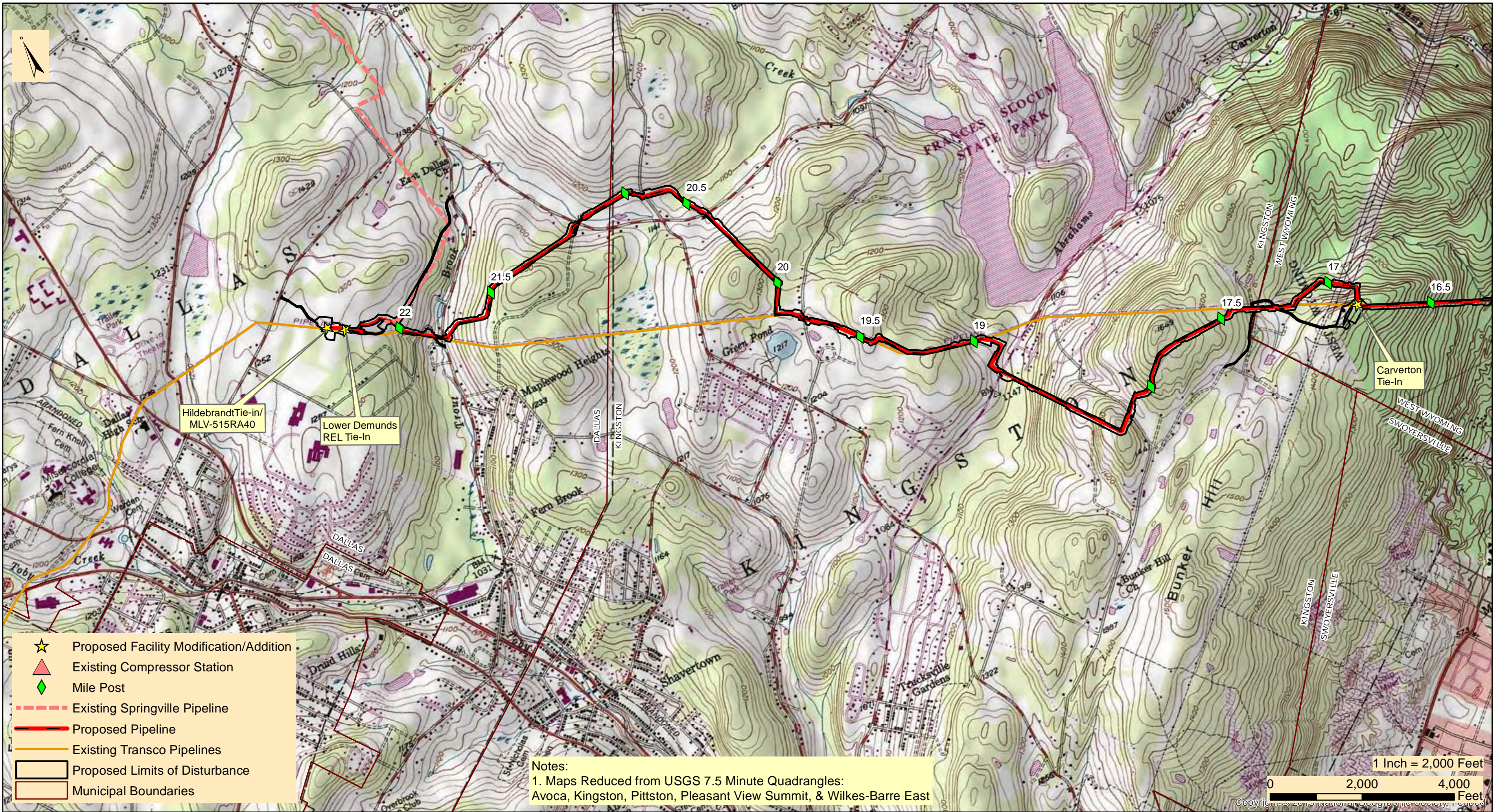
PENNSYLVANIA

Date:
2/28/2022

Drawn By:
FTN

Figure Number:
REL-3

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- ★ Proposed Facility Modification/Addition
- ▲ Existing Compressor Station
- ◆ Mile Post
- Existing Springville Pipeline
- Proposed Pipeline
- Existing Transco Pipelines
- Proposed Limits of Disturbance
- Municipal Boundaries

Notes:
 1. Maps Reduced from USGS 7.5 Minute Quadrangles:
 Avoca, Kingston, Pittston, Pleasant View Summit, & Wilkes-Barre East

1 Inch = 2,000 Feet
 0 2,000 4,000 Feet



TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
REGIONAL ENERGY ACCESS EXPANSION PROJECT
PROPOSED 30" REGIONAL ENERGY LATERAL
 PROJECT LOCATION MAP

DALLAS, KINGSTON, & WEST WYOMING TOWNSHIP

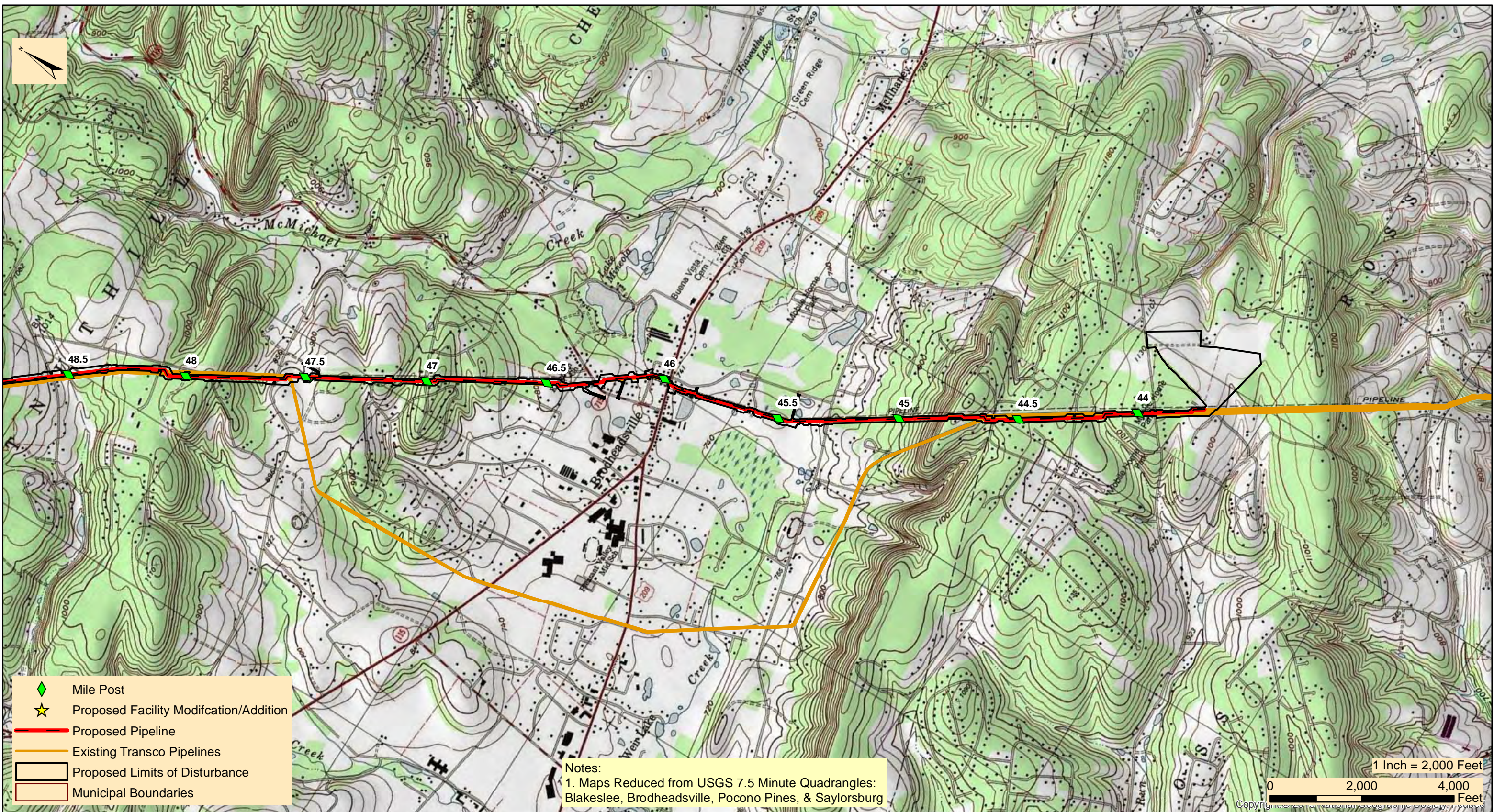
LUZERNE COUNTY

PENNSYLVANIA

Date:	2/28/2022
Drawn By:	FTN
Figure Number:	REL-4

SECTION 2
EFFORT LOOP

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Notes:
 1. Maps Reduced from USGS 7.5 Minute Quadrangles:
 Blakeslee, Brodheads ville, Pocono Pines, & Saylorsburg



TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
REGIONAL ENERGY ACCESS EXPANSION PROJECT
PROPOSED 42" LEIDY D EFFORT LOOP

PROJECT LOCATION MAP

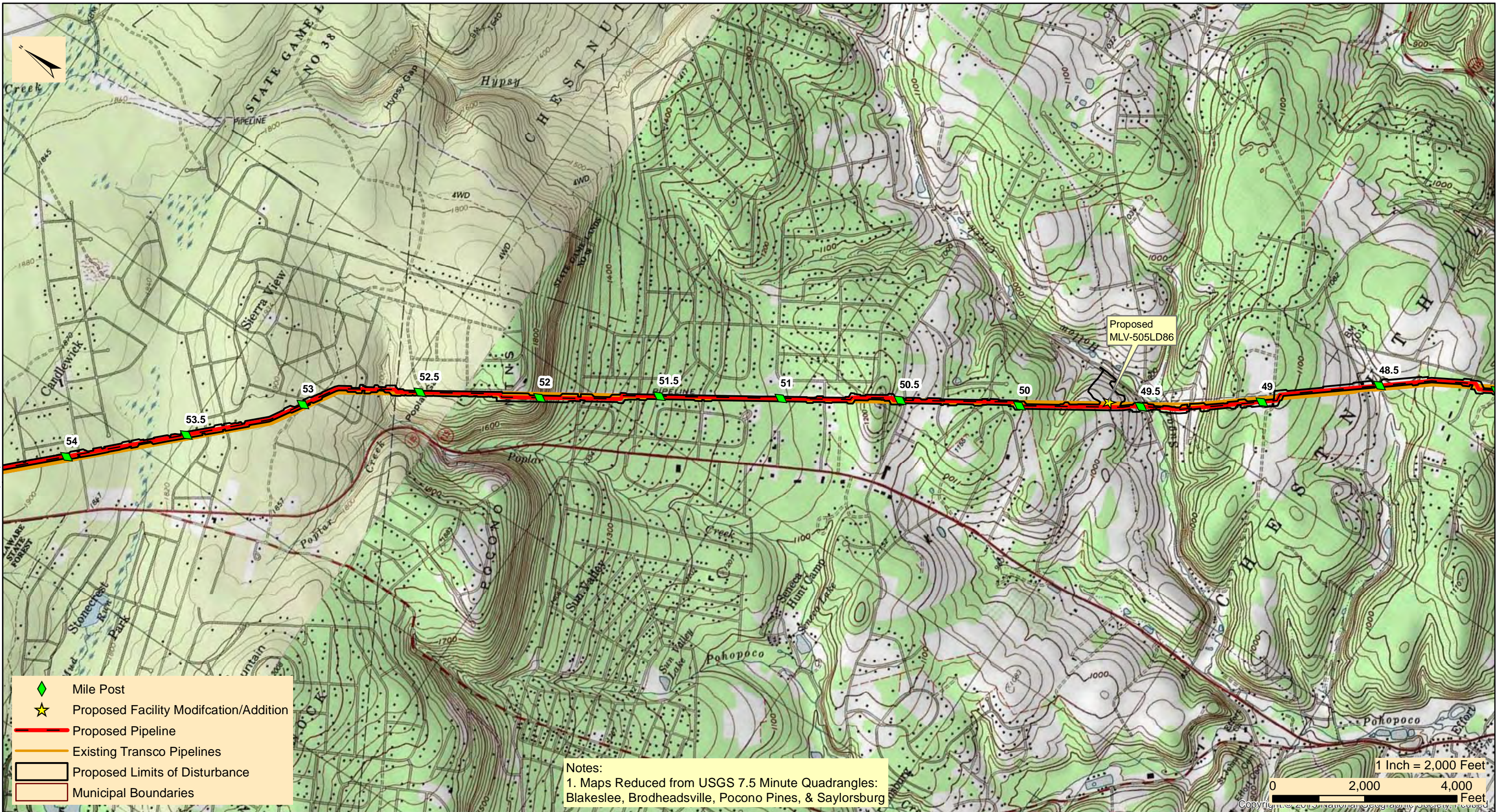
CHESTNUT HILL & ROSS TOWNSHIP

MONROE COUNTY

PENNSYLVANIA

Date:	2/10/2022
Drawn By:	FTN
Figure Number:	EL-1

M:\GIS\PROJECTS\REGIONAL_ENERGY_ACCESS\PROJECT_LOCATION_MAPPING\REVISED_MAPPING_APRIL_2020\REA_EffortLoop_ProjectLocation_08262020.mxd



Notes:
 1. Maps Reduced from USGS 7.5 Minute Quadrangles:
 Blakeslee, Brodheads ville, Pocono Pines, & Saylorsburg



TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
REGIONAL ENERGY ACCESS EXPANSION PROJECT
PROPOSED 42" LEIDY D EFFORT LOOP

PROJECT LOCATION MAP

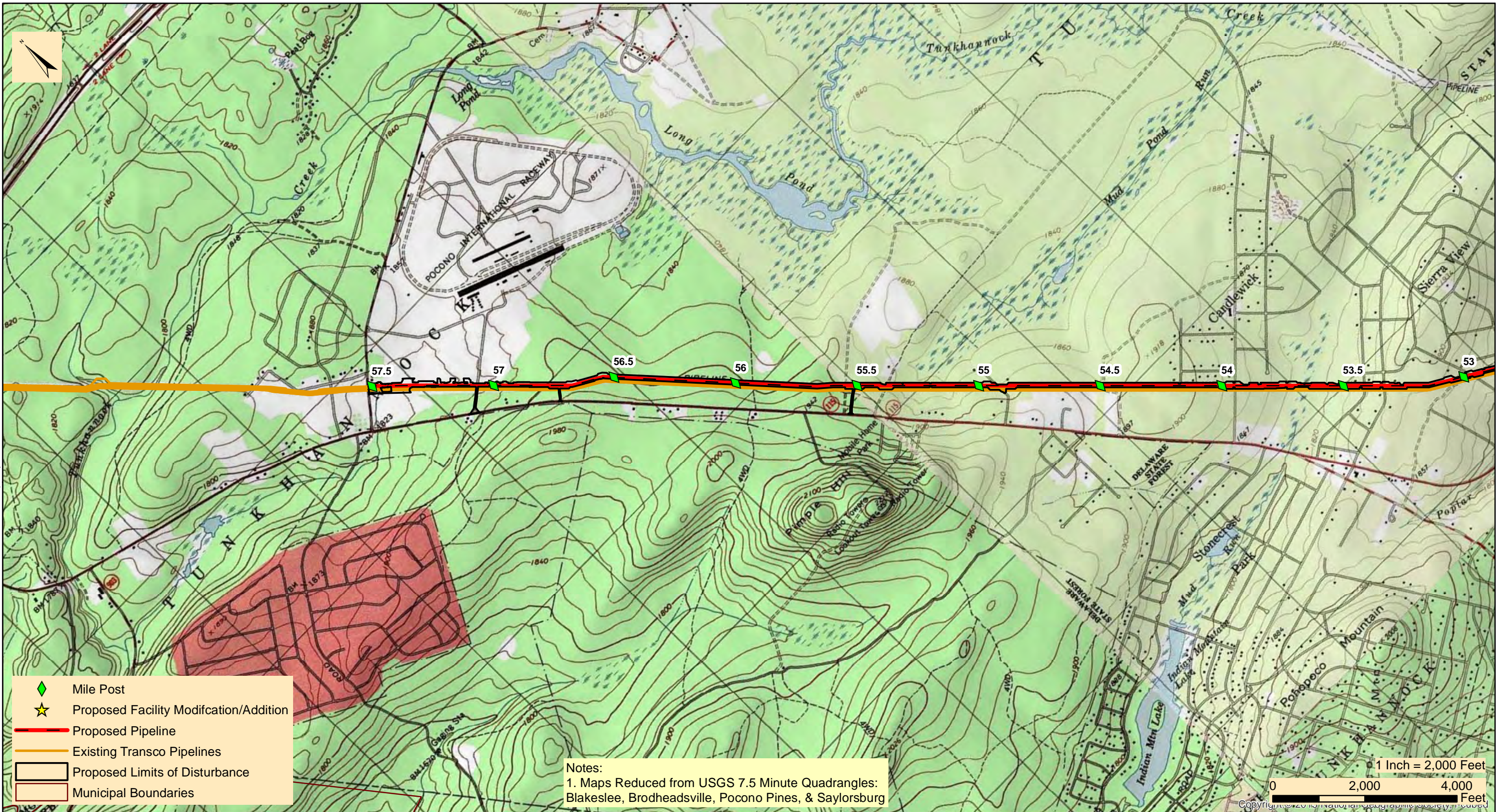
CHESTNUT HILL & TUNKHANNOCK TOWNSHIP

MONROE COUNTY

PENNSYLVANIA

Date:	2/10/2022
Drawn By:	FTN
Figure Number:	EL-2

M:\GIS\PROJECTS\REGIONAL_ENERGY_ACCESS\PROJECT_LOCATION_MAPPING\REVISED_MAPPING_APRIL_2020\REA_EffortLoop_ProjectLocation_08262020.mxd



TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
REGIONAL ENERGY ACCESS EXPANSION PROJECT
PROPOSED 42" LEIDY D EFFORT LOOP

PROJECT LOCATION MAP

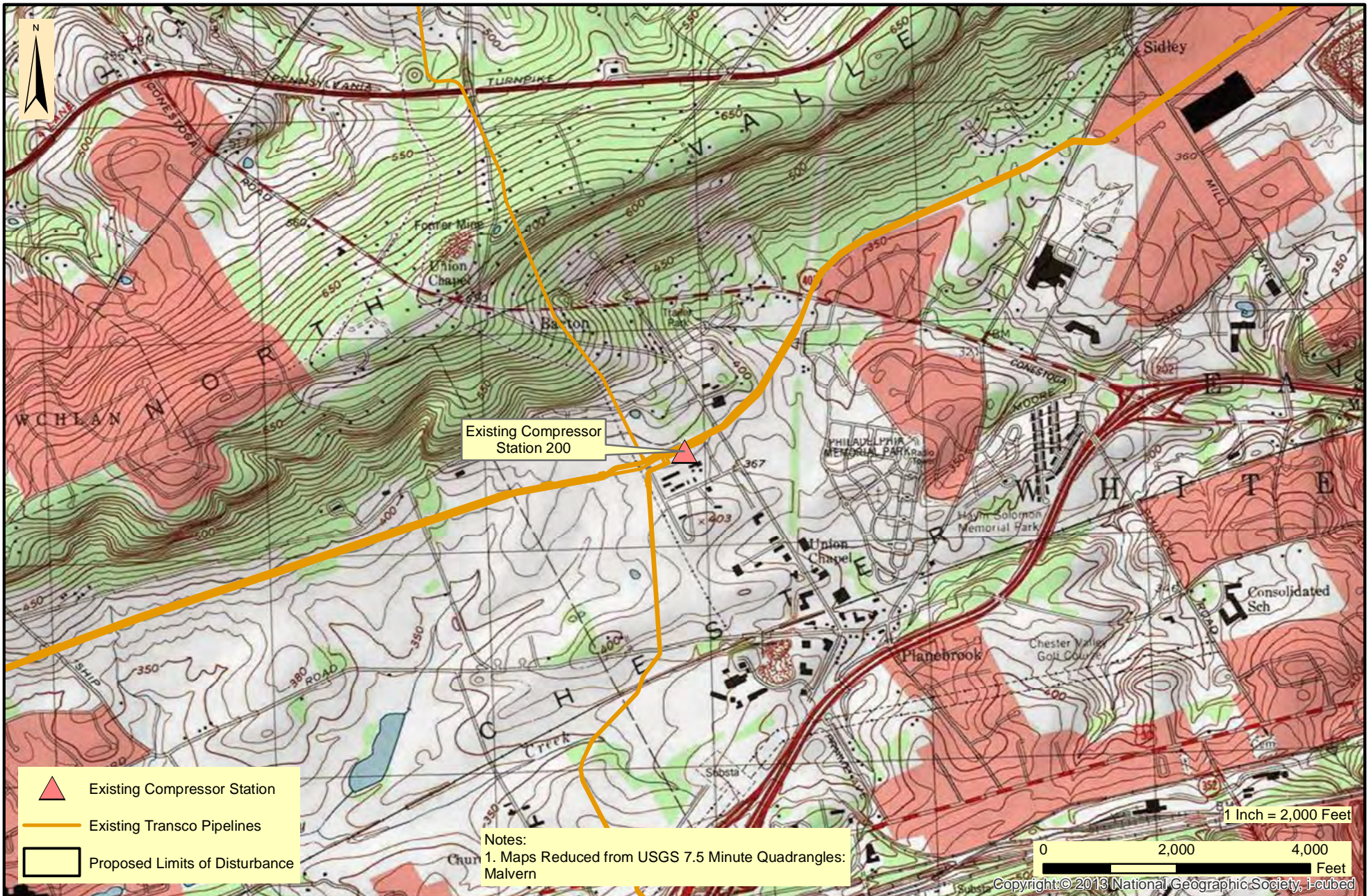
TUNKHANNOCK TOWNSHIP

MONROE COUNTY

PENNSYLVANIA

Date:	2/10/2022
Drawn By:	FTN
Figure Number:	EL-3

SECTION 3
COMPRESSOR STATION 200



TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
REGIONAL ENERGY ACCESS EXPANSION PROJECT
EXISTING COMPRESSOR STATION 200
PROJECT LOCATION MAP

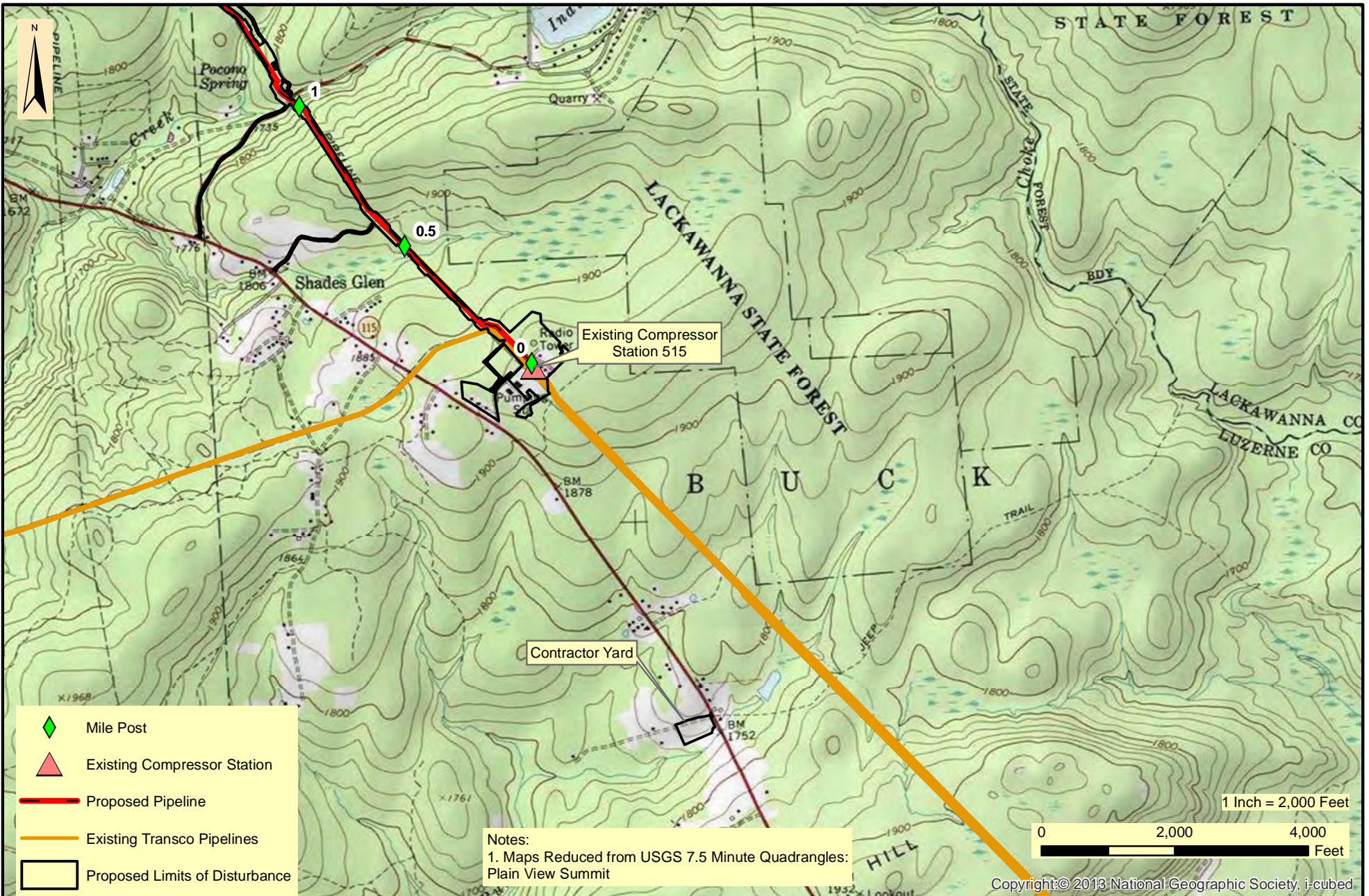
EAST WHITELAND TOWNSHIP

CHESTER COUNTY

PENNSYLVANIA

Date:	2/10/2022
Drawn By:	FTN
Figure Number:	CS200-1

SECTION 4
COMPRESSOR STATION 515



TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
REGIONAL ENERGY ACCESS EXPANSION PROJECT
EXISTING COMPRESSOR STATION 515

PROJECT LOCATION MAP

BUCK TOWNSHIP

LUZERNE COUNTY

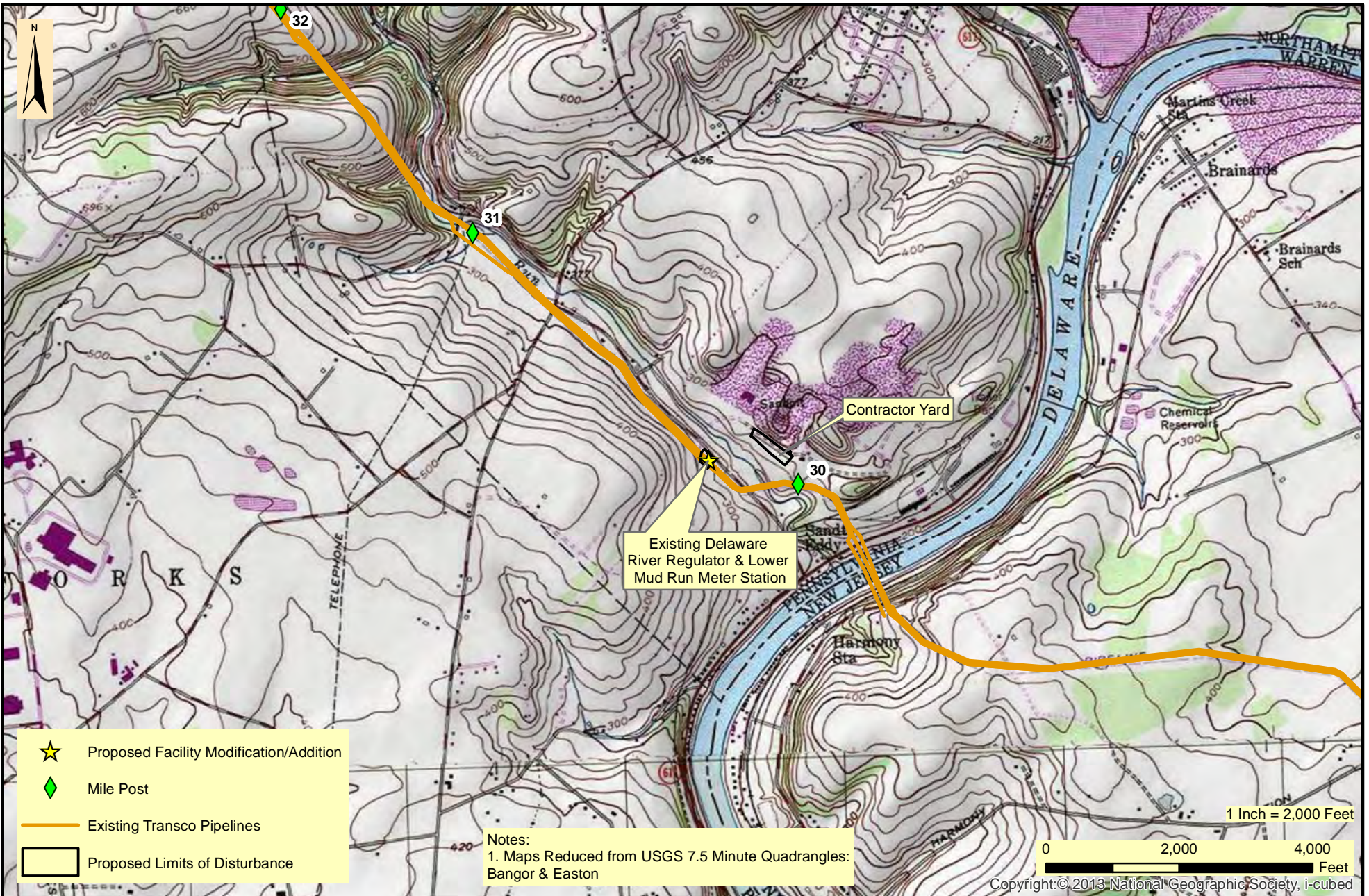
PENNSYLVANIA





Date:
2/10/2022

Drawn By:
FTN

Figure Number:
CS515-1

SECTION 5
DELAWARE RIVER REGULATOR AND
LOWER MUD RUN METER SITE



-  Proposed Facility Modification/Addition
-  Mile Post
-  Existing Transco Pipelines
-  Proposed Limits of Disturbance

Notes:
 1. Maps Reduced from USGS 7.5 Minute Quadrangles:
 Bangor & Easton

1 Inch = 2,000 Feet
 0 2,000 4,000 Feet
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TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
 REGIONAL ENERGY ACCESS EXPANSION PROJECT
 EXISTING DELAWARE RIVER REGULATOR AND LOWER MUD RUN METER STATION
 PROJECT LOCATION MAP

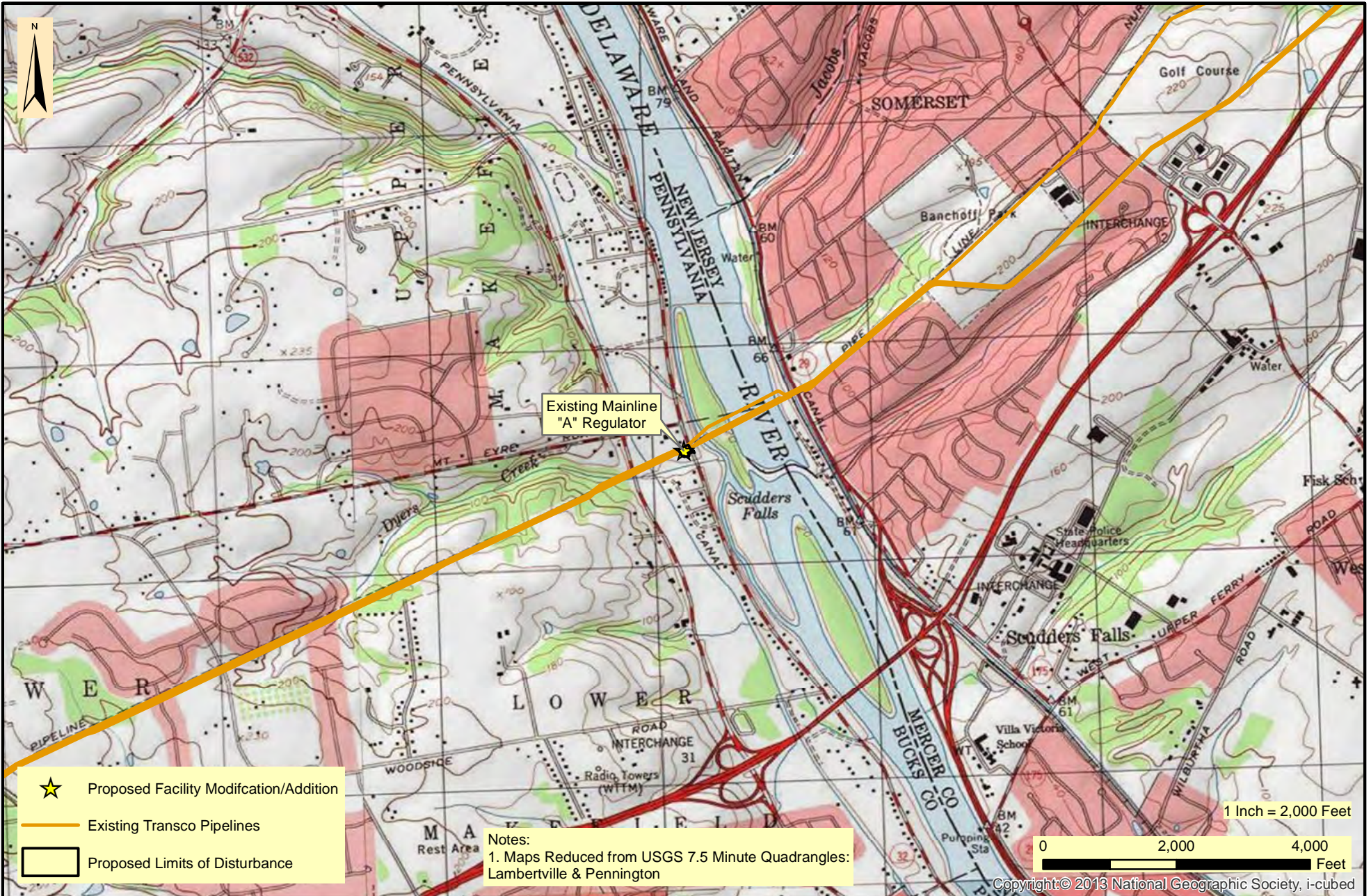
LOWER MT BETHEL TOWNSHIP

NORTHAMPTON COUNTY




PENNSYLVANIA

Date:	2/28/2022
Drawn By:	FTN
Figure Number:	DEL/LMR-1

SECTION 6
MAINLINE A REGULATOR



Existing Mainline "A" Regulator

-  Proposed Facility Modification/Addition
-  Existing Transco Pipelines
-  Proposed Limits of Disturbance

Notes:
 1. Maps Reduced from USGS 7.5 Minute Quadrangles:
 Lambertville & Pennington

1 Inch = 2,000 Feet
 0 2,000 4,000 Feet

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TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
REGIONAL ENERGY ACCESS EXPANSION PROJECT
EXISTING MAINLINE "A" REGULATOR
 PROJECT LOCATION MAP

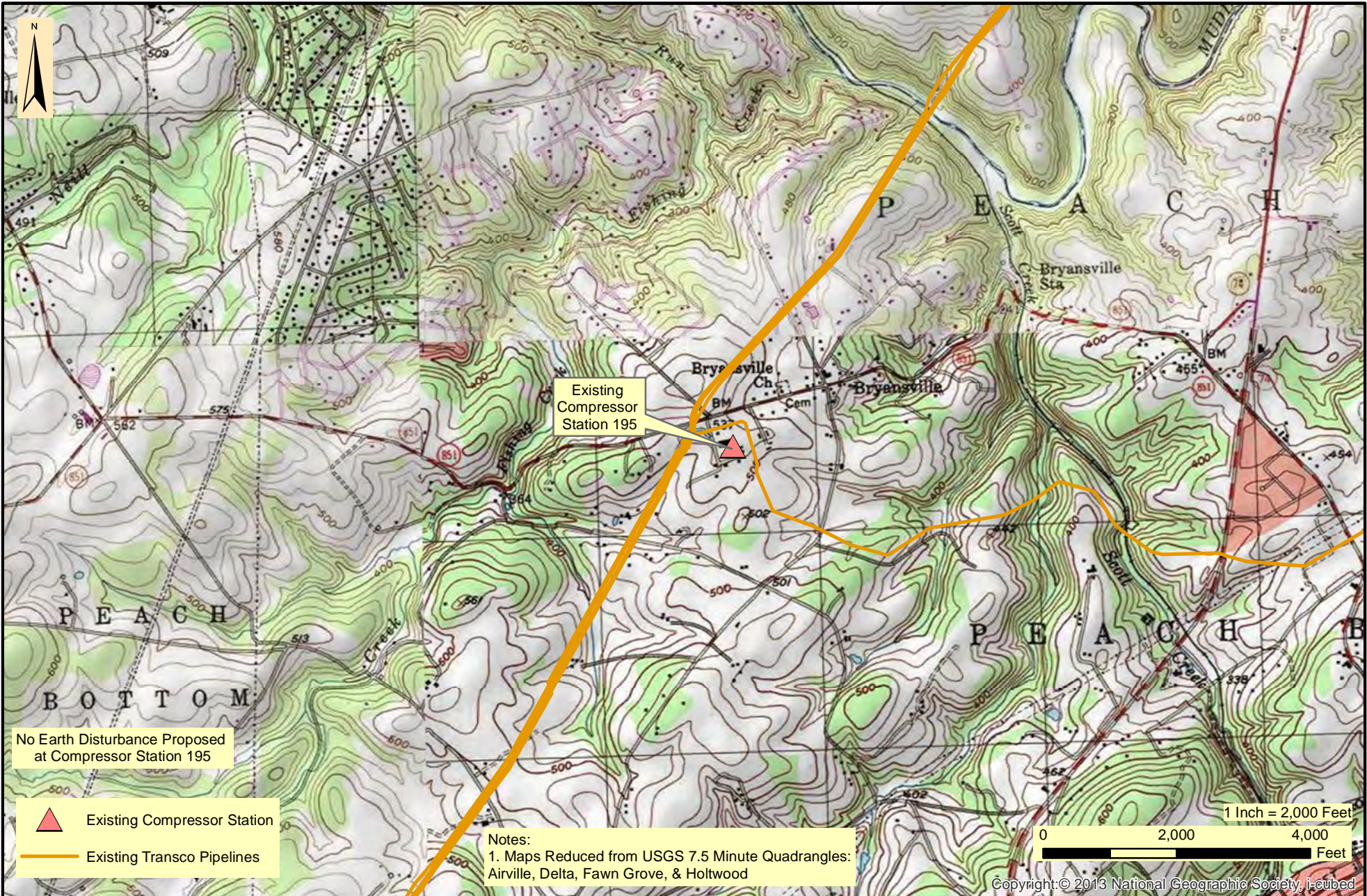
LOWER MAKEFIELD TOWNSHIP

BUCKS COUNTY

PENNSYLVANIA

Date:	2/10/2022
Drawn By:	FTN
Figure Number:	MLA-1

SECTION 7
COMPRESSOR STATION 195



TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
REGIONAL ENERGY ACCESS EXPANSION PROJECT
EXISTING COMPRESSOR STATION 195
PROJECT LOCATION MAP

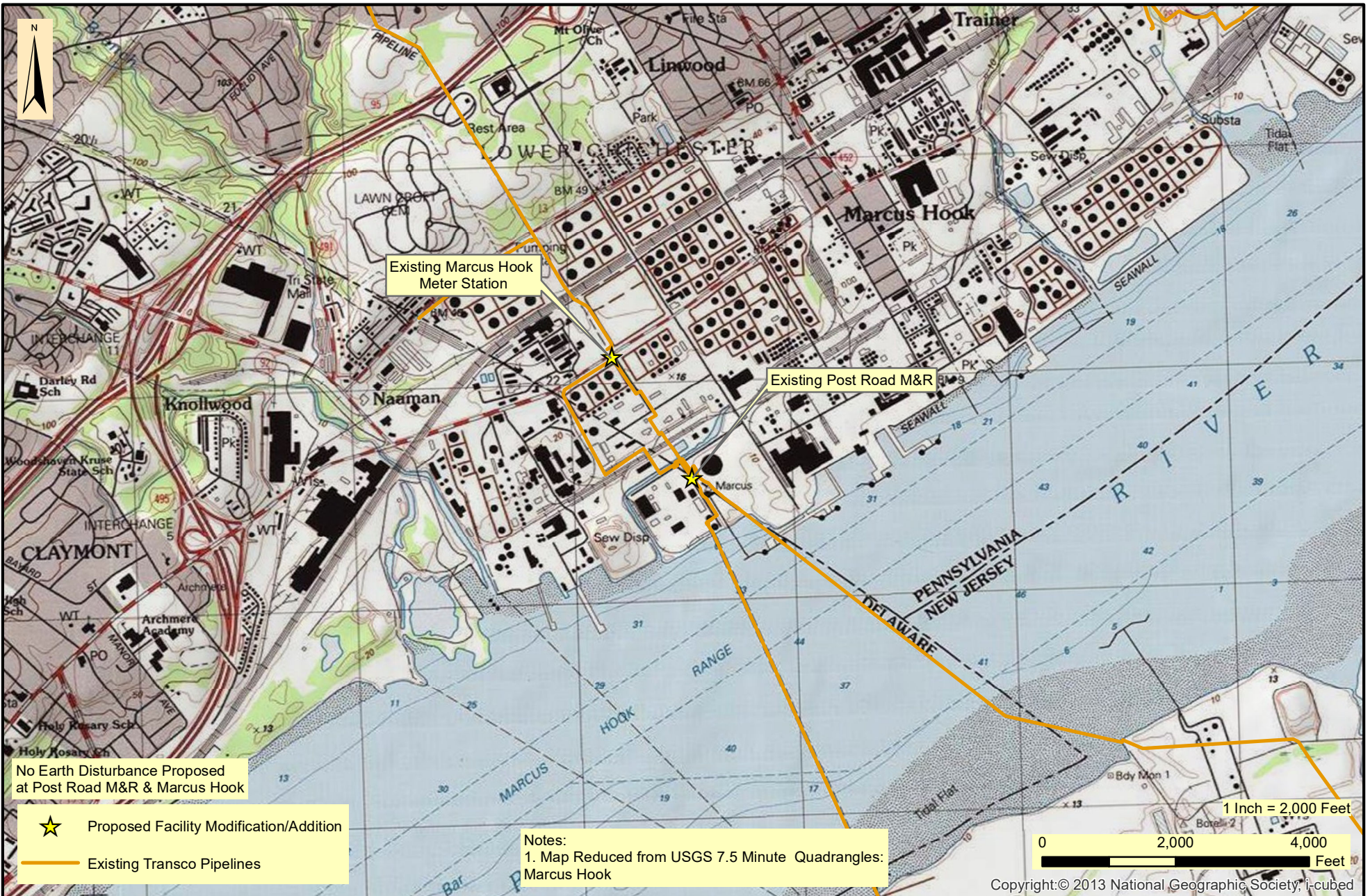
PEACH BOTTOM TOWNSHIP

YORK COUNTY

PENNSYLVANIA

Date:	4/19/2022
Drawn By:	FTN
Figure Number:	CS195-1

SECTION 8
EXISTING POST ROAD M&R
AND MARCUS HOOK METER STATION



No Earth Disturbance Proposed at Post Road M&R & Marcus Hook

★ Proposed Facility Modification/Addition

— Existing Transco Pipelines

Notes:
1. Map Reduced from USGS 7.5 Minute Quadrangles: Marcus Hook

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TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
REGIONAL ENERGY ACCESS EXPANSION PROJECT
EXISTING POST ROAD M&R & MARCUS HOOK METER STATION
PROJECT LOCATION MAP

DELAWARE COUNTY

PENNSYLVANIA

Date:
4/21/2022

Drawn By:
FTN

Figure Number:
PRMR-1

*Regional Energy Access Expansion Project
Transcontinental Gas Pipe Line Company, LLC
April 2022 Updated PNDI Submission*

ATTACHMENT C
**DEPARTMENT OF CONSERVATION OF NATURAL
RESOURCES**

DCNR Coordination Summary

The DCNR identified several target plant species within the counties crossed by the pipeline facilities (see Table C-1) in correspondence letters from February 12, 2020 and October 20, 2020. Target species include those that are state-listed or proposed for state listing as rare, threatened, or endangered and are outlined below.

**Table C-1
 Habitat and Flowering Windows for State-Listed Plant Species Potentially Occurring Within the Project Area**

Common Name	Scientific Name	Habitat	Flowering Window
Blunt Manna-grass	<i>Glyceria obtusa</i>	Swamps, bogs; moist, sandy, peaty ground	July-August
Variable Sedge	<i>Carex polymorpha</i>	Moist, open woods and barrens; sandy-peaty soils	June -Early August (Fruit)
Collin’s Sedge	<i>Carex collinsii</i>	Flowers	June-mid August (Fruit)
Bog Goldenrod	<i>Solidago ulginosa</i>	Bogs and swamps	August-October
Roundleaf Serviceberry	<i>Amelanchier sanguinea</i>	Open woods, rocky slopes and barrens	Mid-April; Fruits June-early July
White Fringed-orchid	<i>Platanthera blephariglottis</i>	Sphagnum bogs and swamps	June-August
Screw-stem	<i>Bartonia paniculata</i>	Hummocks in wet woods, wooded bogs, and sphagnum pond margins	August-October
Lupine	<i>Lupinus perennis</i>	Alluvial sand and gravel bars, open fields, wood edges and roadsides in sandy soils	April-July
Soft-leaved Sedge	<i>Carex disperma</i>	Swampy woods, bogs, and rhododendron swamp	May-August (Fruit)

Sources: Podniesinski 2020

Field surveys for PA state-listed plants were completed with no target species identified for the following species: variable sedge (*Carex polymorpha*), Collin’s sedge (*Carex collinsii*), soft-leaved sedge (*Carex disperma*), bog goldenrod (*Solidago ulginosa*), roundleaf serviceberry (*Amelanchier sanguinea*), Lupine (*Lupinus perennis*) and screw-stem (*Bartonia paniculata*). Blunt-manna grass (*Glyceria obtusa*) and white-fringed orchid (*Platanthera blephariglottis*) were found within the Project area. Surveys also identified two plants that were not on the DCNR PNDI response for survey request: Showy goldenrod (*Solidago speciosa*) and purple bedstraw (*Galium latifolium*).

Surveys were completed in both 2020 and 2021. Two separate reports were submitted to the DCNR, per year of survey. The 2020 survey report was submitted on November 25, 2020.

The 2021 survey report was submitted on August 12, 2021 outlining the results of the survey findings. On August 23, 2022, the DCNR provided a response letter for the Project indicating “No Impact Anticipated per Avoidance, Mitigation, and Monitoring” and identified measures to take for the Project. Transco has included the below summary of the requested measures that will be implemented during and post construction. Also included are the recommended measures that DCNR identified.

Requested Measures:

- Avoid and buffer *Galium latifolium* (Purple Bedstraw) and *Platanthera blephariglottis* (White Fringed Orchid) populations. Transco will install orange protective fencing along the LOD adjacent to species location and ensure that project activities do not indirectly impact the populations via erosion, runoff, change of hydrology, etc.
- Minimize direct impacts to *Glyceria obtusa* (Blunt Manna-grass) and *Solidago speciosa* (Showy Goldenrod) populations to the greatest extent practicable.
- Mitigate for unavoidable impacts by performing topsoil segregation to facilitate natural reseeding after project disturbances occur, as it relates to the Blunt Manna-Grass and Showy Goldenrod populations within the existing ROW.
- Utilize wash racks at construction access locations to reduce the introduction and spread of invasive plant species. These are proposed at locations immediate to the populations of Blunt Manna-grass and Showy Goldenrod.
- Transco will monitor these populations for two to three years after project activities are completed to assess the health and recovery of these impacted populations. Yearly monitoring reports will be submitted to DCNR.

Recommended Measures:

- Clean boot treads, construction equipment, and vehicles thoroughly (especially the undercarriage and wheels) before they are brought on site. This will remove invasive plant seeds and invasive earthworms/cocoons that may have been picked up at other sites.
- Do not transport unsterilized leaves, mulch, compost, or soil to the site from another location.
- Revegetate or cover disturbed soil and soil stockpiles as soon as possible to discourage the germination of invasive plants. Implement proper erosion control

practices to stabilize soil and reduce runoff.

- Do not use seed mixes that include invasive species. Please also use weed-free straw or hay mixes. More information about invasive species in Pennsylvania can be found at the following link: <http://www.dcnr.pa.gov/Conservation/WildPlants/InvasivePlants/Pages/default.aspx>
- Use habitat appropriate seed mixes. For example, when reseeding along a waterway, utilize a riparian seed mix. The Bureau of Forestry Planting & Seeding Guidelines can be found here for recommendations: http://www.docs.dcnr.pa.gov/cs/groups/public/documents/document/dcnr_20031083.pdf
- Use native plants for landscaping, revegetation, and stormwater management. Do not use nonnative invasive species. Reduce the area of lawn and impermeable surfaces to the fullest extent practicable in favor of native gardens or native habitat restoration (e.g., forest, meadow, wetland, etc.).
- Report occurrences of invasive species to iMapInvasives at <https://www.imapinvasives.org/>. Focus on large infestations and species that are not yet well established in the region or in Pennsylvania (<https://www.paimapinvasives.org/be-on-the-lookout>).

*Regional Energy Access Expansion Project
Transcontinental Gas Pipe Line Company, LLC
April 2022 Updated PNDI Submission*

**ATTACHMENT D
PENNSYLVANIA FISH AND BOAT COMMISSION**

PFBC Coordination Summary

The PFBC identified three mussel species and one snake species known to be in the vicinity of the Project site based on the October 6, 2020 response letter. A summary of each is outlined below.

Mussels

The PFBC has determined that three species of rare mussels are known from the vicinity of the Regional Energy Lateral Susquehanna River crossing and are likely to occur within the proposed Project area. The species include: Elktoe (*Alasmidonta marginata*), Green Floater (*Lasmigona subviridis*), and Triangle Floater (*Alasmidonta undulata*). The PFBC recommended in the October 6, 2020 response letter that mussel surveys should be completed in the areas that may be directly or indirectly affected by the proposed in-stream work that will take place within the Susquehanna River, unless the pipeline will be installed via horizontal directional drill (which is a trenchless crossing methodology). Transco proposes to cross the Susquehanna River via a trenchless technique (Direct Pipe®) and therefore did not complete mussel surveys. In follow up correspondence on October 29, 2020, Transco noted a small cable that may be laid in the streambed for surveying the location of the Direct Pipe® progress and the PFBC indicated that this activity would not trigger the need for mussel surveys. Additionally, Transco noted that a temporary water intake will be installed at the river crossing. A separate PNDI review was completed for this activity, as directed by the PFBC, and it indicated no known impact from the PFBC. Therefore, consultation is complete with the PFBC regarding mussels and no impacts to protected mussels are anticipated as a result of this Project.

Timber Rattlesnake

The PFBC requested Transco complete a habitat assessment to be conducted in the portions of the Regional Energy Lateral located East of I-476. During follow up email correspondence, the study area was refined to approximately milepost 6.5 and 9.0 (I-476). Transco completed Phase I habitat assessment surveys in the of summer 2020, with potential denning and gestational habitat identified in the study area. A Phase II presence/absence survey was completed in 2021 in habitat areas where potential denning habitat was identified. One den location was confirmed during surveys. Transco submitted a survey report outlining the results and proposed mitigation measures. The PFBC provided a response on September 7, 2021 concurring with the results and mitigation measures, and also indicated that if work is to be

conducted from April 15 to October 15, the PFBC recommends the following precautions to safeguard workers and rattlesnakes:

1. A PFBC approved Timber Rattlesnake biologist who has the proper permits (Scientific Collector's Permit), and the proper skills to handle this venomous species will be on-site prior to and during construction.
2. The PFBC approved Timber Rattlesnake biologist will be on-site prior to and during construction activities, during the above time frame, to inspect and clear the area (including staging areas and access roads) of Timber Rattlesnakes and to capture and remove any rattlesnakes that may interfere with work activities.
3. Timber Rattlesnakes observed on-site are to be measured, sexed, and the habitat characterized where the snake was found. All captured snakes should be released within proximity (under 100 meters) of the capture site if possible. Rattlesnake captures and relocations are to be documented by photographs, habitat descriptions, in addition to being mapped and labeled accordingly. The biologist is to submit a report to this office (Natural Diversity Section) following the completion of the project documenting all of the activity and herpetofauna encountered.
4. If erosion control fabric is to be used at this site, materials that are known to reduce the risk of snake entrapment should be selected, such as loosely woven natural fiber ECM. Use of monofilament/plastic netting should be avoided.
5. Workers responsible for implementing this project should be advised that Timber Rattlesnakes may be encountered, and that avoidance is the best means of minimizing risks to personal safety. It is suggested a procedure be implemented for Timber Rattlesnake encounters and workers are to be advised that the Timber Rattlesnake is a state protected species and is not to be harmed. Killing of Timber Rattlesnakes is prohibited by the Commission pursuant to 58 Pa. Code Section 79.6.
6. During the construction period, PFBC personnel may communicate with the on-site biologist and may visit the site area periodically to view the progression of the project and answer any questions or concerns that may arise. For safety purposes, PFBC personnel will register with the on-site manager upon entering the construction area.
7. Install orange fencing in vicinity of the confirmed den to ensure the area is avoided by workers.

8. Reconstruct any identified gestation habitat that is disturbed based on the PFBC Guidelines

*Regional Energy Access Expansion Project
Transcontinental Gas Pipe Line Company, LLC
April 2022 Updated PNDI Submission*

**ATTACHMENT E
PENNSYLVANIA GAME COMMISSION**

PGC Coordination

The PGC identified potential impacts anticipated to both the Northern long-eared Bat and Eastern small-footed bat in both the March 12, 2020 and October 19, 2020 response letters. A summary of each is outlined below.

Northern Long-eared Bat

The response letters indicated the Northern long-eared bat is a federally listed species under the jurisdiction of the U.S. Fish and Wildlife Service (USFWS) and as a result, the PGC deferred comments on this species to the USFWS.

Eastern Small-footed Bat

The PGC recommended surveys to be conducted for areas associated with the Project located between MP 8.0 and 17.5 of the Regional Energy Lateral portion located in Luzerne County, PA. Field surveys to be completed include: Summer Day Roost Habitat Assessment and Winter Hibernacula Habitat assessment.

Transco completed an assessment of Eastern Small-Footed Bat summer day roost habitat within 0.25 mile of the Regional Energy Lateral in the segment noted above. A total of 14 sites containing potentially suitable day roost rocky habitat were documented. A report was submitted to the PGC on November 25, 2020. Transco completed Presence/Absence Surveys of the day roost habitat in 2021 and none of the habitats had documented use. A report was submitted to the PGC on September 24, 2021 and the PGC indicated they had no questions or comments after their review on September 27, 2021.

A Phase I hibernacula search was conducted to identify potential hibernacula within 0.5 mile of the Regional Energy Lateral in the segment noted above. A desktop analysis indicated that portions of the Regional Energy Lateral are located within areas that were previously mined. Ground assessments were conducted throughout 2020 and 2021. A total of 56 potential hibernacula were found within the survey area. Transco conducted acoustic sampling at 28 of these potential hibernacula in fall 2020 and determined the probable presence of the state-threatened eastern small-footed bat at 8 locations. A report with the 2020 fall acoustic results was submitted on February 25, 2021. The remaining 26 suitable potential hibernacula were surveyed in 2021 (2 of the remaining 28 were not surveyed, as they were flooded). Two additional hibernacula had documented use of the Eastern Small-Footed Bat. Although specific surveys were not requested for these species, the state-listed little brown bat (*Myotis lucifugus*) and tri-colored bat (*Perimyotis subflavus*) were identified during the surveys. During the 2020 acoustic

surveys, the probable presence of the little brown bat was identified at 5 locations and at 2 locations for the tri-colored bat. During the 2021 fall trapping surveys, the tri-colored bat was captured at two locations. A report with the 2021 fall sampling results was submitted on December 1, 2021.

Summer acoustic surveys were completed for both the Effort Loop and Regional Energy Lateral in 2020. Surveys identified the probable presence of the Eastern small-footed bat at 4 locations associated with the Regional Energy Lateral. Probable presence for the little brown bat was identified at 10 locations on the Regional Energy Lateral and 2 locations on the Effort Loop. Probable presence was also determined for the tri-colored bat at 2 locations on the Regional Energy Lateral and 1 location on the Effort Loop. A 2020 Summer Bat Acoustic Presence/Absence Survey Report was submitted to the USFWS and PGC on November 25, 2020.

On March 15, 2022, Transco submitted a summary of correspondences to the PGC along with a Bat Restriction Summary table, outlining the proposed avoidance and minimization measures, including time of year restrictions as it relates to tree clearing, blasting and construction activities. The PGC issued a response letter on April 15, 2022, noting that Transco has coordinated with the PGC on Project-specific restrictions to protect the bat species identified during surveys and has agreed to conduct species-specific conservation measures to reduce potential adverse effects. The PGC has determined that no impacts are likely and no further coordination with the PGC will be necessary for this Project at this time. Also, on April 15, 2022, Transco coordinated with the PGC regarding Compressor Station 515, requesting an exception to the tree clearing restrictions for approximately 1.2 acres. Table E-1 outlines the proposed restrictions that will be implemented during construction of the Project.

**Table E-1 - Pennsylvania Game Commission Bat Restriction Summary Table
Regional Energy Access Expansion Project
Transcontinental Gas Pipe Line Company, LLC**

Species	Listing Status	Hibernacula ID ²	Restriction 1 - Tree Clearing Activities Near Hibernacula	Restriction 2 - Ground Disturbance Activities Near Hibernacula	Restriction 3 - Blasting Near Hibernacula	Restriction 4 - Additional Site-Specific
Federal						
Northern Long-Eared Bat	PGC deferred comments on potential impacts to Northern Long-eared Bats to the United States Fish and Wildlife Service					
State						
Tri-Colored Bat	State Endangered	9, 18, 46	<p>Within 0.25-mile of identified Tri-Colored hibernacula, trees must be cleared between November 16 and March 31 and with non-mechanized equipment (e.g. hand-fell).</p> <p>Within 0.25-mile of identified Tri-Colored bat hibernacula, trees must be cleared with non-mechanized equipment (i.e. hand-fell).</p> <p>In instances where the mine investigation study revealed that no impact to the mines is likely due to flooded conditions or depth of mine beneath the proposed ground disturbance activities, hand-felling is not required and mechanized felling is permissible (10.2-11.25, 15.7-15.95).</p>	<p>Pipeline construction activities involving ground disturbance (i.e., trenching, grading, and pipeline installation) will adhere to TOYRs within a 0.25-mile radius of identified Tri-colored bat hibernacula and must occur between April 1 and November 15.</p> <p>In instances where the mine investigation study revealed that no impact to the mines is likely due to flooded conditions or depth of mine beneath the proposed ground disturbance activities, this restriction is not proposed (10.2-11.25, 15.7-15.95).</p>	<p>No blasting will be conducted within 0.25- mile of the subsurface limits of identified Tri-colored bat hibernacula.</p> <p>Additionally, blasting will adhere to TOYR within 0.25 to 0.5 mile of identified NLEB hibernacula. Blasting in this area must be conducted between April 1 and November 15.</p>	<p>Within 2.5 miles of a summer acoustic detection location (Effort Sites 18 and REL Sites 4 and 33), felling of all trees or dead snags greater than 3 inches in diameter at breast height that need to be harvested to facilitate the project (including any access roads or off-ROW work spaces) should occur between April 1 to November 15 to avoid impacting bats roosting within the project area.</p> <p>Transco is proposing 1.20 acres of tree felling at Compressor Station 515 to occur outside of the time of year restrictions identified for the Tri-Colored bat. Although this area falls within the 2.5 mile buffer established for positive summer acoustic surveys for an acoustic detection of a tri-colored bat 2.2 miles away, 5 summer acoustic surveys with 2 survey nights each, were conducted just outside of the boundary of CS 515 with no bats detected. Additionally this small set of trees is located adjacent to the existing active compressor station.</p>
Little Brown Bat	State Endangered	2, 6, 7, 8, 18	<p>Within 0.25-mile of identified Little brown bat hibernacula, trees must be cleared between November 16 and March 31 and with non-mechanized equipment (e.g. hand-fell).</p> <p>Within 0.25-mile of identified Little Brown bat hibernacula, trees must be cleared with non-mechanized equipment (i.e. hand-fell).</p> <p>In instances where the mine investigation study revealed that no impact to the mines is likely due to flooded conditions or depth of mine beneath the proposed ground disturbance activities, hand-felling is not required and mechanized felling is permissible (10.2-11.25, 15.7-15.95).</p>	<p>Pipeline construction activities involving ground disturbance (i.e., trenching, grading, and pipeline installation) will adhere to TOYRs within a 0.25-mile radius of identified Little Brown Bat hibernacula and must occur between April 1 and November 15.</p> <p>In instances where the mine investigation study revealed that no impact to the mines is likely due to flooded conditions or depth of mine beneath the proposed ground disturbance activities, this restriction is not proposed (10.2-11.25, 15.7-15.95).</p>	<p>No blasting will be conducted within 0.25- mile of the subsurface limits of identified Little Brown Bat hibernacula.</p> <p>Additionally, blasting will adhere to TOYR within 0.25 to 0.5 mile of identified NLEB hibernacula. Blasting in this area must be conducted between April 1 and November 15.</p>	
Eastern Small-footed bat	State Threatened	5, 6, 7, 9, 14, 18, 20, 25, 41, 46	<p>Within 0.25-mile of identified Eastern small-footed hibernacula, trees must be cleared between November 16 and March 31 and with non-mechanized equipment (e.g. hand-fell).</p> <p>Within 0.25-mile of identified Eastern Small-footed bat hibernacula, trees must be cleared with non-mechanized equipment (i.e. hand-fell).</p> <p>In instances where the mine investigation study revealed that no impact to the mines is likely due to flooded conditions or depth of mine beneath the proposed ground disturbance activities, hand-felling is not required and mechanized felling is permissible (10.2-11.25, 15.7-15.95).</p>	<p>Pipeline construction activities involving ground disturbance (i.e., trenching, grading, and pipeline installation) will adhere to TOYRs within a 0.25-mile radius of identified Eastern small-footed bat hibernacula and must occur between April 1 and November 15.</p> <p>In instances where the mine investigation study revealed that no impact to the mines is likely due to flooded conditions or depth of mine beneath the proposed ground disturbance activities, this restriction is not proposed (10.2-11.25, 15.7-15.95).</p>	<p>No blasting will be conducted within 0.25- mile of the subsurface limits of identified Eastern Small-footed bat hibernacula.</p> <p>Additionally, blasting will adhere to TOYR within 0.25 to 0.5 mile of identified NLEB hibernacula. Blasting in this area must be conducted between April 1 and November 15.</p>	

*Regional Energy Access Expansion Project
Transcontinental Gas Pipe Line Company, LLC
April 2022 Updated PNDI Submission*

**ATTACHMENT F
U.S. FISH AND WILDLIFE SERVICE**

USFWS Coordination Summary

The USFWS identified the Indiana and Northern long-eared bats, Bog Turtle, and Northeastern bulrush as species known to occur near the Project area in the May 12, 2020 response letter. Additionally, the USFWS indicated measures to minimize impacts to migratory birds. A summary for each is provided below.

Indiana Bat

The USFWS PA Field Office indicated the Project facilities in PA are within the range of the Indiana bat (*Myotis sodalis*), which is federally listed as endangered. In order to determine whether the Project will affect potential habitat for this species, the USFWS requested summer presence/absence surveys and winter habitat surveys to be conducted.

Transco conducted acoustic surveys during summer 2020 for bats for the Project where forest clearing is required. Surveys did not identify the probable presence of the Indiana bat. A report was submitted to the USFWS and PGC on November 25, 2020.

A Phase I hibernacula search was conducted to identify potential hibernacula within 0.5 mile of the Regional Energy Lateral component of the Project between MPs 8.0 and 17.5 in Luzerne County, PA. A desktop analysis indicated that this portion of the Regional Energy Lateral are located within areas that were previously mined. A total of 56 potential hibernacula were found within the survey area. Transco conducted acoustic sampling at 28 of these potential hibernacula in fall 2020. The acoustic surveys determined probable presence for the federally and state endangered Indiana bat (*Myotis sodalis*) at one location. On March 18, 2022, the PGC conducted an internal survey of the mine that fall 2020 acoustic surveys indicated probable presence of the Indiana Bat. No bats were observed occupying the mine. A report with the 2020 fall acoustic results was submitted on February 25, 2021. The remaining 26 suitable potential hibernacula were surveyed in 2021 (2 of the 28 were not surveyed, as they were flooded). A report with the 2021 fall sampling results was submitted on December 1, 2021. No Indiana bats were identified during the 2021 surveys.

Northern Long-eared Bat

As noted in the USFWS PA Field Office correspondence dated May 12, 2020, the entire proposed Project in PA is located within the range of the federally-threatened northern long-eared bat (*Myotis septentrionalis*). The summer and fall acoustic surveys being conducted for Indiana bats also includes results for northern long-eared bat. Summer acoustic surveys determined the probable presence of the northern long-eared bat at two survey sites associated with the Effort

Loop and three survey sites associated with the Regional Energy Lateral. Reports were submitted to the USFWS on November 25, 2020 outlining the results of the 2020 Summer Acoustic Surveys. 2020 Fall acoustic surveys indicated a probable presence at three potential hibernacula locations. On February 25, 2021, a report was submitted to the outlining the results of the 2020 Fall Bat Acoustic Phase 2 Hibernacula Survey completed for the Regional Energy Lateral. 2021 Fall Trapping surveys identified presence of the Northern long-eared bat at one location. A report with the 2021 fall sampling results was submitted on December 1, 2021.

Indiana Bat and Northern Long-Eared Bat Proposed Project Restrictions

On April 14, 2022, Transco submitted their proposed Bat Restriction Summary Table (Table F-1), which outlines the proposed avoidance and minimization measures for each species. This table includes both federally listed species and currently state listed species. These restrictions are still under review by the USFWS.

Northeast Bulrush

Project components in PA are within the range of the northeastern bulrush (*Scirpus ancistrochaetus*), which is federally-listed as endangered (Jahrsdoerfer 2020). The USFWS requested a survey of potentially suitable wetland habitat for the presence of this species. Surveys for northeastern bulrush were completed during the flowering/fruitletting season between June and September 2020. The species was not found within the Project limits. A Northeastern Bulrush Survey Report has been submitted to the USFWS on November 25, 2020.

Bog Turtle

The USFWS PA Field Office states that sections of the Project located in Chester, Delaware, Northampton, York, and portions on Monroe County, PA are within the known range for the bog turtle (*Clemmy mühlenbergii*), which is federally-listed as threatened. Since wetlands occur within the Project area, the USFWS PA Field Office determined a Phase 1 Bog Turtle Habitat Survey should be completed. The survey was required within areas that will be directly or indirectly affected by the proposed Project, as applicable.

Bog Turtle field surveys were completed in April and July 2020, and one potential site was found on the Effort Loop. As a result, further consultation with the USFWS regarding the potential site took place, as the wetland is not proposed for impact. Since disturbance is located adjacent to the wetland at the one location, and there will be no disturbance or hydrologic impacts to the potential bog turtle habitat, the USFWS concluded that Phase 2 surveys did not need to be

conducted at the location. No other facilities had potential habitat identified during the habitat surveys. A Negative Phase I Survey Results Report was submitted to the USFWS on 9/03/2020.

Migratory Birds

Transco has completed a Migratory Bird Plan and submitted this to the USFWS and FERC.

Coordination Summary

Transco has coordinated with the USFWS regularly throughout 2020, 2021 and 2022 regarding the Project and potential restrictions related to bat species presence. Project-specific restrictions have been developed and provided to the USFWS to document proposed measures to minimize potential impacts to these species and their habitats and are currently under review along with the provided Project reports for each of the species listed above.

Table F-1 - Federal and State Bat Restriction Summary Table
Regional Energy Access Expansion Project
Transcontinental Gas Pipe Line Company, LLC

Species	Listing Status	Hibernacula ID ²	Restriction 1 - Tree Clearing Activities Near Hibernacula	Restriction 2 - Ground Disturbance Activities Near Hibernacula	Restriction 3 - Blasting Near Hibernacula	Restriction 4 - Additional Site-Specific
Federal						
Indiana Bat	Federally Endangered	7	Adhere to TOYRs within 0.5-mile of identified IBAT hibernacula and must be cleared between November 16 and March 31. Transco will adhere to TOYRs within 5-miles of identified IBAT hibernacula and clear trees between November 16 and March 31.	No activities will occur overtop of the mine workings associated with Portal 7.	No blasting will be conducted within 0.5- mile of the subsurface limits of identified IBAT hibernacula.	
Northern Long-Eared Bat	Federally Threatened	5, 9, 17, 46	Within 5 miles of identified NLEB hibernacula, trees must be cleared between November 16 and March 31. Within 0.25-mile of identified NLEB hibernacula trees must be cleared with non-mechanized equipment (i.e. hand-fell). In instances where the mine investigation study revealed that no impact to the mines is likely due to flooded conditions or depth of mine beneath the proposed ground disturbance activities, hand felling is not required and mechanized felling is permissible (10.2-11.25, 15.7-15.95)	Pipeline construction activities involving ground disturbance (i.e., trenching, grading, and pipeline installation) will adhere to TOYRs within a 0.25-mile radius of identified NLEB hibernacula and must occur between April 1 and November 15. In instances where the mine investigation study revealed that no impact to the mines is likely due to flooded conditions or depth of mine beneath the proposed ground disturbance activities, this restriction is not proposed (10.2-11.25, 15.7-15.95).	No blasting will be conducted within 0.25- mile of the subsurface limits of identified NLEB hibernacula. Additionally, blasting will adhere to TOYR within 0.25 to 0.5 mile of identified NLEB hibernacula. Blasting in this area must be conducted between April 1 and November 15.	Within 3 miles of a summer acoustic detection location (Effort Sites 7 and 8 and REL Sites 6, 12, and Bald Mt Alt Site 2), felling of all trees or dead snags greater than 3 inches in diameter at breast height that need to be harvested to facilitate the project (including any access roads or off-ROW work spaces) should occur between November 15 and March 31 to avoid impacting bats roosting within the project area.
State						
Tri-Colored Bat	State Endangered	9, 18, 46	Within 0.25-mile of identified Tri-Colored hibernacula, trees must be cleared between November 16 and March 31 and with non-mechanized equipment (e.g. hand-fell). Within 0.25-mile of identified Tri-Colored bat hibernacula, trees must be cleared with non-mechanized equipment (i.e. hand-fell). In instances where the mine investigation study revealed that no impact to the mines is likely due to flooded conditions or depth of mine beneath the proposed ground disturbance activities,hand-felling is not required and mechanized felling is permissible (10.2-11.25, 15.7-15.95).	Pipeline construction activities involving ground disturbance (i.e., trenching, grading, and pipeline installation) will adhere to TOYRs within a 0.25-mile radius of identified Tri-colored bat hibernacula and must occur between April 1 and November 15. In instances where the mine investigation study revealed that no impact to the mines is likely due to flooded conditions or depth of mine beneath the proposed ground disturbance activities, this restriction is not proposed (10.2-11.25, 15.7-15.95).	No blasting will be conducted within 0.25- mile of the subsurface limits of identified Tri-colored bat hibernacula. Additionally, blasting will adhere to TOYR within 0.25 to 0.5 mile of identified NLEB hibernacula. Blasting in this area must be conducted between April 1 and November 15.	Within 2.5 miles of a summer acoustic detection location (Effort Sites 18 and REL Sites 4 and 33), felling of all trees or dead snags greater than 3 inches in diameter at breast height that need to be harvested to facilitate the project (including any access roads or off-ROW work spaces) should occur between April 1 to November 15 to avoid impacting bats roosting within the project area. Transco is proposing 1.20 acres of tree felling at Compressor Station 515 to occur outside of the time of year restrictions identified for the Tri-Colored bat. Although this area falls within the 2.5 mile buffer established for positive summer acoustic surveys for an acoustic detection of a tri-colored bat 2.2 miles away, 5 summer acoustic surveys with 2 survey nights each, were conducted just outside of the boundary of CS 515 with no bats detected. Additionally this small set of trees is located adjacent to the existing active compressor station.
Little Brown Bat	State Endangered	2, 6, 7, 8, 18	Within 0.25-mile of identified Little brown bat hibernacula, trees must be cleared between November 16 and March 31 and with non-mechanized equipment (e.g. hand-fell). Within 0.25-mile of identified Little Brown bat hibernacula, trees must be cleared with non-mechanized equipment (i.e. hand-fell). In instances where the mine investigation study revealed that no impact to the mines is likely due to flooded conditions or depth of mine beneath the proposed ground disturbance activities,hand-felling is not required and mechanized felling is permissible (10.2-11.25, 15.7-15.95).	Pipeline construction activities involving ground disturbance (i.e., trenching, grading, and pipeline installation) will adhere to TOYRs within a 0.25-mile radius of identified Little Brown Bat hibernacula and must occur between April 1 and November 15. In instances where the mine investigation study revealed that no impact to the mines is likely due to flooded conditions or depth of mine beneath the proposed ground disturbance activities, this restriction is not proposed (10.2-11.25, 15.7-15.95).	No blasting will be conducted within 0.25- mile of the subsurface limits of identified Little Brown Bat hibernacula. Additionally, blasting will adhere to TOYR within 0.25 to 0.5 mile of identified NLEB hibernacula. Blasting in this area must be conducted between April 1 and November 15.	
Eastern Small-footed bat	State Threatened	5, 6, 7, 9, 14, 18, 20, 25, 41, 46	Within 0.25-mile of identified Eastern small-footed hibernacula, trees must be cleared between November 16 and March 31 and with non-mechanized equipment (e.g. hand-fell). Within 0.25-mile of identified Eastern Small-footed bat hibernacula, trees must be cleared with non-mechanized equipment (i.e. hand-fell). In instances where the mine investigation study revealed that no impact to the mines is likely due to flooded conditions or depth of mine beneath the proposed ground disturbance activities,hand-felling is not required and mechanized felling is permissible (10.2-11.25, 15.7-15.95).	Pipeline construction activities involving ground disturbance (i.e., trenching, grading, and pipeline installation) will adhere to TOYRs within a 0.25-mile radius of identified Eastern small-footed bat hibernacula and must occur between April 1 and November 15. In instances where the mine investigation study revealed that no impact to the mines is likely due to flooded conditions or depth of mine beneath the proposed ground disturbance activities, this restriction is not proposed (10.2-11.25, 15.7-15.95).	No blasting will be conducted within 0.25- mile of the subsurface limits of identified Eastern Small-footed bat hibernacula. Additionally, blasting will adhere to TOYR within 0.25 to 0.5 mile of identified NLEB hibernacula. Blasting in this area must be conducted between April 1 and November 15.	

1. PROJECT INFORMATION

Project Name: **Regional Energy Access Project**

Date of Review: **9/8/2020 11:03:49 AM**

Project Category: **Energy Storage, Production, and Transfer, Energy Transfer, Pipeline (e.g., gas, oil) -- NEW (construction of new line in a new location)**

Project Area: **483.85 acres**

County(s): **Bucks; Chester; Delaware; Luzerne; Monroe; Northampton; Wyoming; York**

Watersheds HUC 8: **Brandywine-Christina; Lehigh; Lower Delaware; Lower Susquehanna; Middle Delaware-Mongaup-Brodhead; Middle Delaware-Musconetcong; Schuylkill; Upper Susquehanna-Lackawanna; Upper Susquehanna-Tunkhannock**

Watersheds HUC 12: **Abrahams Creek; Bear Creek; Buck Creek-Delaware River; Buckhorn Creek-Delaware River; Buckwha Creek; City of Wilkes-Barre-Mill Creek; City of Wilkes-Barre-Susquehanna River; Fishing Creek-Muddy Creek; Headwaters Pohopoco Creek; Leonard Creek; Little Valley Creek-Valley Creek; Lower Bowman Creek; Lower McMichael Creek; Mud Run; Obendorfers Creek-Susquehanna River; Oldmans Creek-Delaware River; Repaupo Creek-Delaware River; Toby Creek; Tunkhannock Creek; Upper McMichael Creek; Valley Creek; Wright Creek-Lehigh River**

Decimal Degrees: **41.293788, -75.808780**

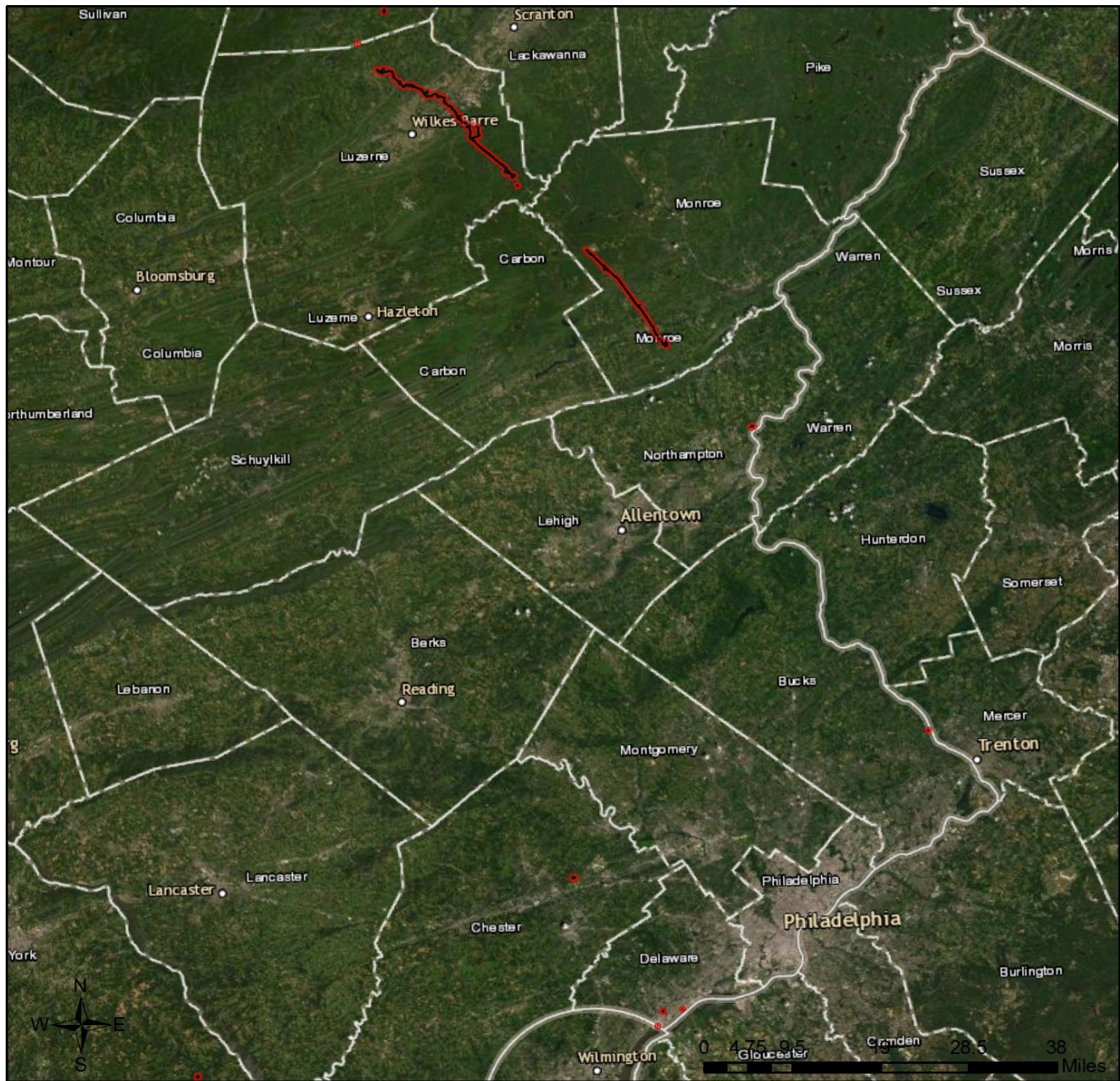
Degrees Minutes Seconds: **41° 17' 37.6351" N, 75° 48' 31.6082" W**

2. SEARCH RESULTS - LARGE PROJECT

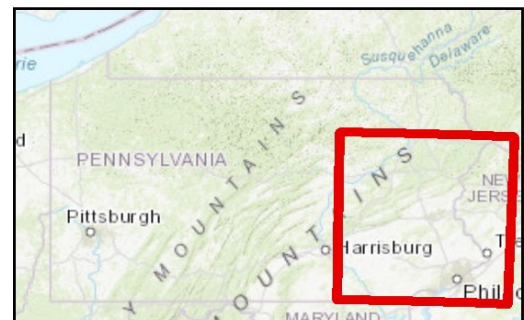
Agency	Results	Response
PA Game Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Department of Conservation and Natural Resources	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Fish and Boat Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
U.S. Fish and Wildlife Service	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response

Large Project. The project area is greater than 10 miles and/or 5,165 acres and therefore is categorized as a Large Project, and is not analyzed by the PNDI tool. Coordination is therefore required with the four jurisdictional agencies to determine if potential impacts to threatened and endangered and/or special concern species and resources within the project area. Please see the DEP Information section of the receipt if a PA Department of Environmental Protection Permit is required.

Regional Energy Access Project

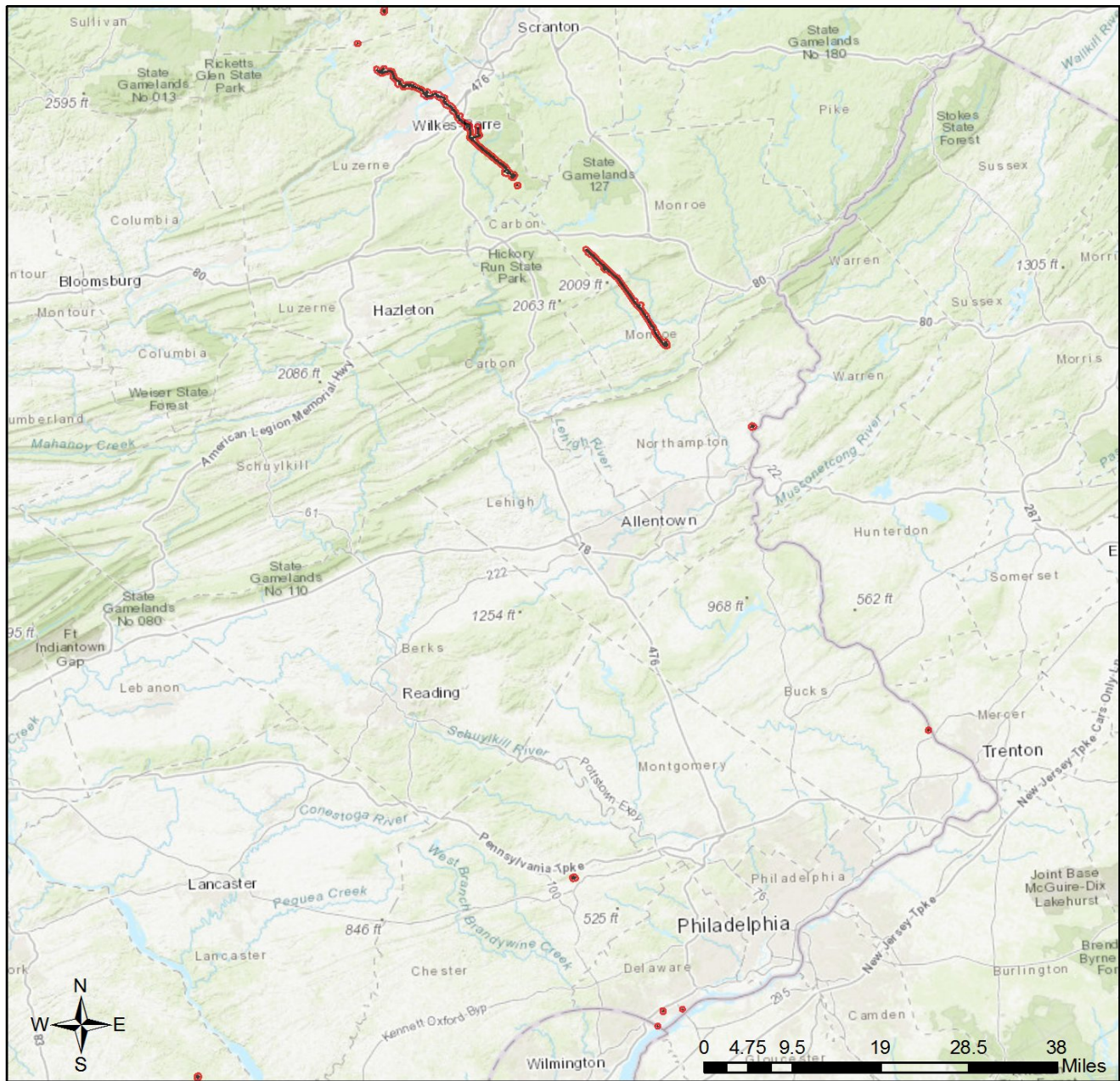


- Project Boundary
- Buffered Project Boundary



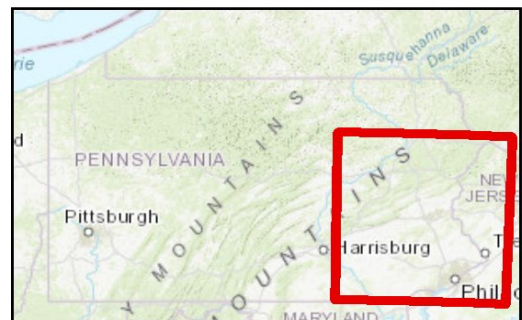
Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China

Regional Energy Access Project



- Project Boundary
- Buffered Project Boundary

Service Layer Credits: Sources: Esri, HERE, Garmin, Intemap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

PA Department of Conservation and Natural Resources

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

PA Fish and Boat Commission

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

U.S. Fish and Wildlife Service

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, upload* or email* the following information to the agency(s). Instructions for uploading project materials can be found [here](#). This option provides the applicant with the convenience of sending project materials to a single location accessible to all three state agencies. Alternatively, applicants may email or mail their project materials (see AGENCY CONTACT INFORMATION).

***Note:** U.S.Fish and Wildlife Service requires applicants to mail project materials to the USFWS PA field office (see AGENCY CONTACT INFORMATION). USFWS will not accept project materials submitted electronically (by upload or email).

Check-list of Minimum Materials to be submitted:

___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.

___ A map with the project boundary and/or a basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

In addition to the materials listed above, USFWS REQUIRES the following

___ **SIGNED** copy of a Final Project Environmental Review Receipt

The inclusion of the following information may expedite the review process.

___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

PA Fish and Boat Commission

Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
Email: IR1_ESPenn@fws.gov
NO Faxes Please

PA Game Commission

Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Karen Olson
Company/Business Name: Williams-Transcontinental Gas Pipeline Company, LLC
Address: 2800 Post Oak Blvd, Level 11
City, State, Zip: Houston, TX 77056
Phone: (713) 215-4232 Fax: ()
Email: karen.olson@williams.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change I agree to re-do the online environmental review.



applicant/project proponent signature

02/08/2022

date



Transcontinental Gas Pipe Line Company, LLC
2800 Post Oak Boulevard, Level 11
Houston, Texas 77056

January 31, 2020

**Re: PNDI Large Project Submission for Environmental Review
Transcontinental Gas Pipe Line Company, LLC
Regional Energy Access Project**

To Whom it May Concern:

Transcontinental Gas Pipe Line Company, LLC (Transco) is in the process of defining the proposed Regional Energy Access Project (Project), which would expand Transco's existing facilities to meet growing demand for natural gas. Currently, the Pennsylvania Project components consist of two pipeline segments, one new compressor station, upgrades to two existing compressor stations, and additions or modifications to aboveground ancillary facilities along the existing and proposed pipelines.

This correspondence is intended to initiate Pennsylvania Natural Diversity Index (PNDI) consultation with the Pennsylvania Game Commission, Pennsylvania Fish and Boat Commission, Pennsylvania Department of Conservation and Natural Resources, and United States Fish and Wildlife Service (USFWS) regarding the presence of Threatened, Endangered, and special concern species occurring along or in the vicinity of the proposed Project.

For the purposes of the PNDI review, the Pennsylvania Project components are listed below:

Project Components

- Regional Energy Lateral - Approximately 22 miles of 30-inch-diameter pipeline, both co-located pipeline along the existing Transco Leidy pipeline system and greenfield pipeline, in Luzerne County, PA;
 - Ten Alternative Route options (Alt_REL_A-J); are included with this submission, as the route is still being designed;
- Effort Loop - Approximately 14 miles of 42-inch-diameter pipeline looping the existing Transco Leidy pipeline system in Monroe County, PA;
- New Compressor Station 510 - New gas turbine-driven Compressor Station in Northampton County, PA, located adjacent to the existing Leidy pipeline system. The options currently requested for review are:
 - CS 510 – Option MP 30.6
 - CS 510 – Option MP 31.4
 - CS 510 – Option MP 32.6
 - CS 510 – Option MP 33.1
- Existing Compressor Station 515 – Additional horsepower at an existing Compressor Station in Luzerne County, PA located adjacent to the existing Leidy pipeline system;

- Existing Compressor Station 195 – Modifications will include additional horsepower at an existing Compressor Station in York County. No earth disturbance is being proposed for the modification, and;
- Aboveground Ancillary Facilities – Modifications or additions of receipt and delivery meter stations, valve sites, and regulator stations along the proposed pipeline routes and along Transco’s existing pipeline system.

The summary table below outlines the location of Project components in Pennsylvania as shown on Attachment A: PA Natural Diversity Index - Project Map and Attachment B: Topographic Project Location Maps.

Table 1. Project Facility Summary Table		
Project Component	County	Attachment B - Topographic Project Location Map
Proposed 30" Regional Energy Lateral	Luzerne	1A-1D
Existing Compressor Station 515	Luzerne	1A
Existing Carverton Meter Station	Luzerne	1C & 1D
Proposed 42" Leidy D Effort Loop	Monroe	2A- 2C
Proposed Compressor Station 510	Northampton	3
Existing Lower Mud Run Meter Station and Delaware Regulator	Northampton	3
Existing Compressor Station 195	York	4
Existing Chapin Meter Station	Wyoming	5
Existing Puddlefield Meter Station	Wyoming	6
Existing Chester Meter Station	Delaware	7

The proposed Regional Energy Lateral and Effort Loop will be co-located within/adjacent to the existing Transco right-of-way (ROW) to the extent possible. The temporary and/or permanent ROW will need to be widened at varying widths to accommodate the Project construction. Potential access roads that may be proposed for use are included. In general, these are existing access roads that may be subject to improvements to accommodate Project construction.

Field surveys have not been initiated for the Project; however, are planned to begin in the spring of 2020. Temporary and permanent workspaces (e.g. disturbance areas) have not been defined at this time. During and following field surveys and throughout the design process, the proposed pipeline route and overall limits of disturbance areas are subject to refinements.

United States Geological Survey Mapping depicting the locations of the described Project facilities can be found in Attachment B. The draft large project PNDI review receipt is located within Attachment C. GIS shapefiles have been uploaded as part of the PNDI Online submission. A compact disc, as well as hard copies of this correspondence have been sent via U.S. mail to the USFWS. Within the shapefiles, attribute information is included that provides the unique identifiers to the features shown on the mapping.

Should the Project, as presented, indicate the need for species-specific field studies or indicate other Project considerations, please provide a response outlining those requirements.

If you have any questions regarding this correspondence and information request, or require additional Project information, please do not hesitate to call me at (713) 215-4232 or contact me via e-mail at karen.olson@Williams.com. Alternatively, you can contact Ryan Nelson, Senior Project Manager at WHM Consulting, LLC at (814) 689-1650 or via e-mail at ryann@whmgroup.com. I appreciate your assistance and thank you for your attention to this request.

Respectfully submitted,

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

A handwritten signature in blue ink, appearing to read "Karen Olson", with a long horizontal line extending to the right.

Karen Olson
Environmental Specialist

Attachments: Attachment A: PA Natural Diversity Index – Project Map
 Attachment B: Topographic Project Location Maps
 Attachment C: Draft Large Project PNDI Review Receipt

cc: Josh Henry, Transco
 Ryan Nelson, WHM Consulting, LLC

1. PROJECT INFORMATION

Project Name: **Regional Energy Access Project**

Date of Review: **1/31/2020 04:22:44 PM**

Project Category: **Energy Storage, Production, and Transfer, Energy Transfer, Pipeline (e.g., gas, oil) -- NEW (construction of new line in a new location)**

Project Area: **1,230.86 acres**

County(s): **Delaware; Luzerne; Monroe; Northampton; Wyoming; York**

Watersheds HUC 8: **Lehigh; Lower Delaware; Lower Susquehanna; Middle Delaware-Mongaup-Brodhead; Middle Delaware-Musconetcong; Upper Susquehanna-Lackawanna; Upper Susquehanna-Tunkhannock**

Watersheds HUC 12: **Abrahams Creek; Bear Creek; Buckhorn Creek-Delaware River; Buckwha Creek; City of Wilkes-Barre-Mill Creek; City of Wilkes-Barre-Susquehanna River; Fishing Creek-Muddy Creek; Headwaters Pohopoco Creek; Leonard Creek; Lower McMichael Creek; Mud Run; Obendoffers Creek-Susquehanna River; Repaupo Creek-Delaware River; Toby Creek; Tunkhannock Creek; Upper McMichael Creek; Wright Creek-Lehigh River**

Decimal Degrees: **41.291177, -75.809374**

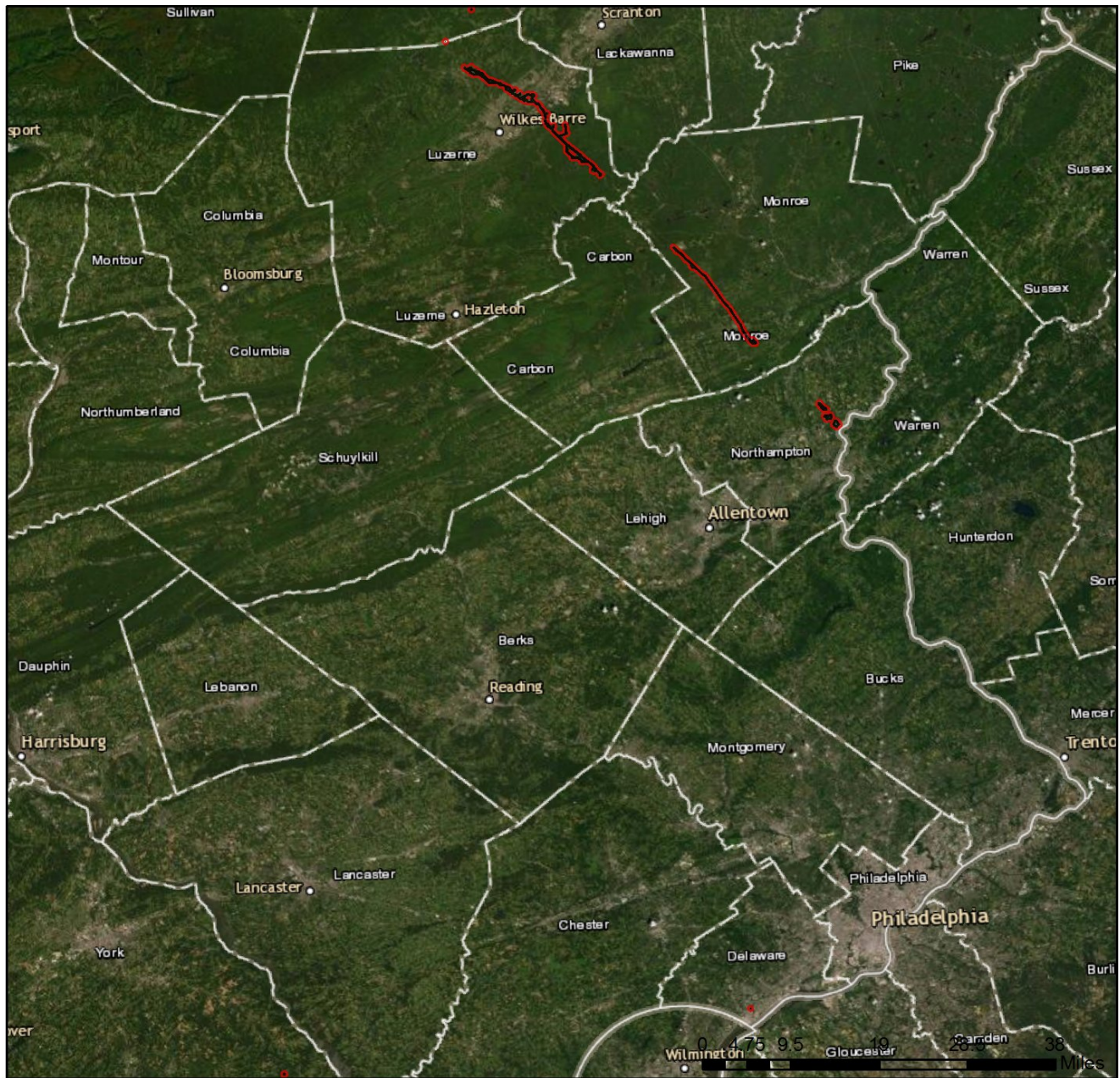
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2. SEARCH RESULTS - LARGE PROJECT

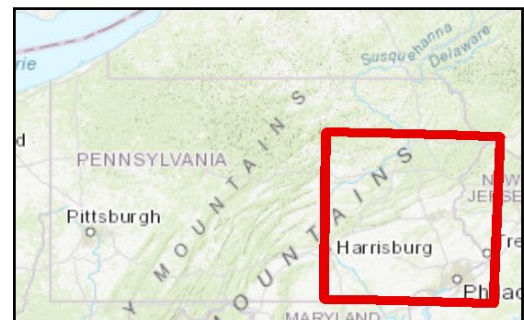
Agency	Results	Response
PA Game Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Department of Conservation and Natural Resources	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Fish and Boat Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
U.S. Fish and Wildlife Service	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response

Large Project. The project area is greater than 10 miles and/or 5,165 acres and therefore is categorized as a Large Project, and is not analyzed by the PNDI tool. Coordination is therefore required with the four jurisdictional agencies to determine if potential impacts to threatened and endangered and/or special concern species and resources within the project area. Please see the DEP Information section of the receipt if a PA Department of Environmental Protection Permit is required.

Regional Energy Access Project

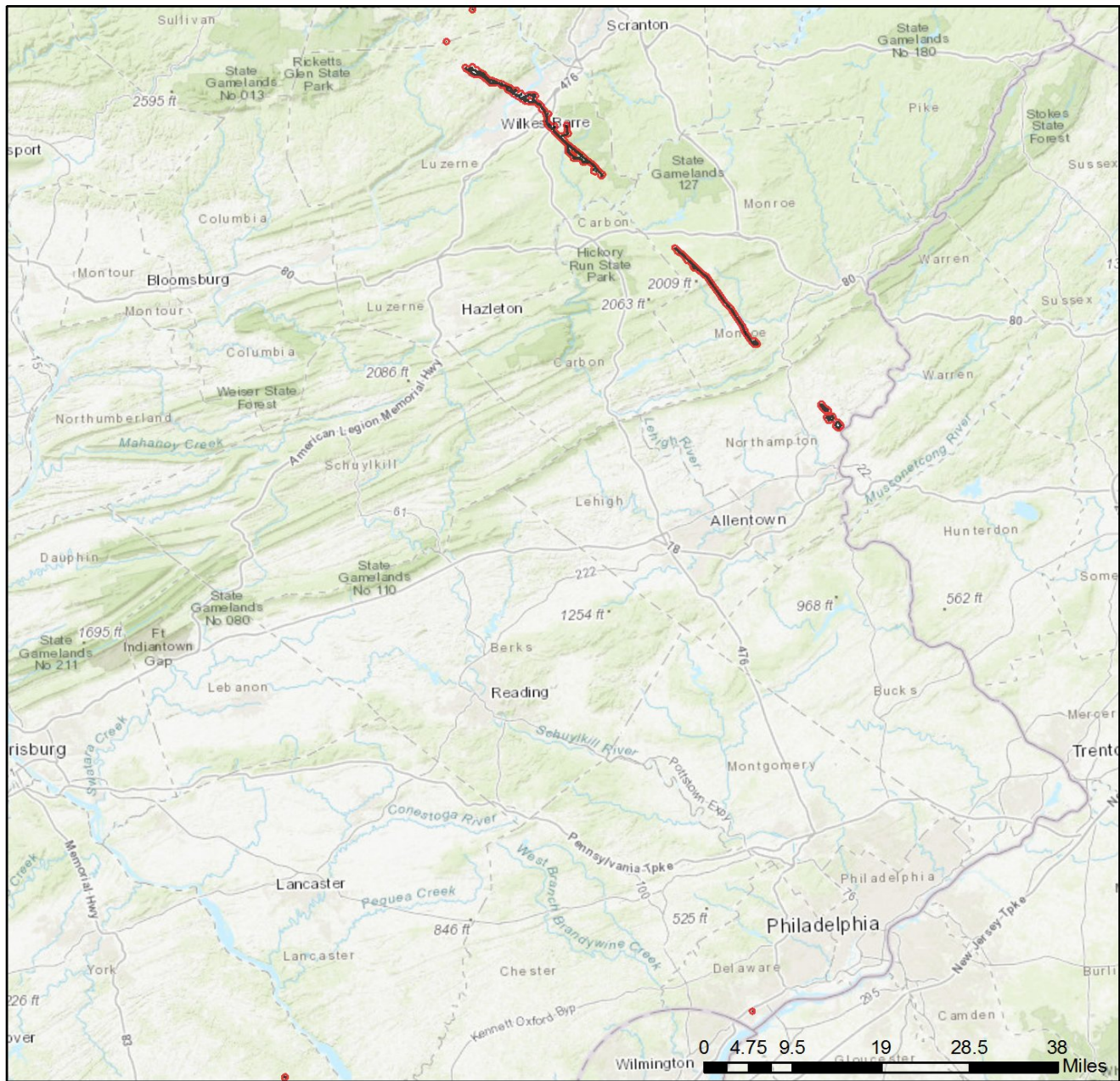


-  Project Boundary
-  Buffered Project Boundary

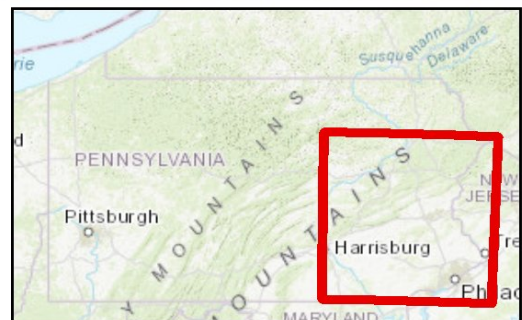


Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

Regional Energy Access Project



- Project Boundary
- Buffered Project Boundary



Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS,

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

PA Department of Conservation and Natural Resources

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

PA Fish and Boat Commission

RESPONSE:

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U.S. Fish and Wildlife Service

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, upload* or email* the following information to the agency(s). Instructions for uploading project materials can be found [here](#). This option provides the applicant with the convenience of sending project materials to a single location accessible to all three state agencies. Alternatively, applicants may email or mail their project materials (see AGENCY CONTACT INFORMATION).

***Note:** U.S.Fish and Wildlife Service requires applicants to mail project materials to the USFWS PA field office (see AGENCY CONTACT INFORMATION). USFWS will not accept project materials submitted electronically (by upload or email).

Check-list of Minimum Materials to be submitted:

___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.

___ A map with the project boundary and/or a basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

In addition to the materials listed above, USFWS REQUIRES the following

___ **SIGNED** copy of a Final Project Environmental Review Receipt

The inclusion of the following information may expedite the review process.

___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
NO Faxes Please

PA Fish and Boat Commission

Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

PA Game Commission

Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Karen Olson
Company/Business Name: Williams - Transcontinental Gas Pipeline Company, LLC
Address: 2800 Post Oak Blvd, Level 11
City, State, Zip: Houston, TX 77056
Phone: (713) 215-4232 Fax: (713) 215-2222
Email: karen.olson@williams.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.



01/31/2020

applicant/project proponent signature

date



Transcontinental Gas Pipe Line Company, LLC
2800 Post Oak Boulevard, Level 11
Houston, Texas 77056

September 4, 2020

**Re: Updated PNDI Search ID: PNDI 702499
Transcontinental Gas Pipe Line Company, LLC
Regional Energy Access Expansion Project**

To Whom it May Concern:

Transcontinental Gas Pipe Line Company, LLC (Transco) is providing an update to the original PNDI online Large Project Review for the Regional Energy Access Expansion (REAE) Project (Project) submitted on January 31, 2020. This update provides additional details since the previous submission.

The following is a list of the agency unique identifiers for the Project:

Pennsylvania Game Commission – PGC ID# 202002030501
Pennsylvania Fish and Boat Commission – SIR# 52530
Pennsylvania Department of Conservation of Natural Resources – PNDI# 702499
United States Fish and Wildlife Service – Project # 2020-0592

Since the previous submission, the Project name has been updated from the Regional Energy Access Project to the Regional Energy Access Expansion Project.

The summary table below outlines the location of Project components in Pennsylvania. A column has been added to this table to reflect general updates since the previous submission.

<u>Table 1. Project Facility Summary Table</u>			
Project Component	County	Project Locations Map	Update Summary
<u>Pipeline Components</u>			
Proposed 30" Regional Energy Lateral	Luzerne	REL 1-4	Revised Proposed Route
Proposed 42" Leidy D Effort Loop	Monroe	EL1 – EL3	Minor route adjustments
<u>Compressor Station Components</u>			
Existing Compressor Station 195	York	CS195-1	No Changes
Existing Compressor Station 200	Chester	CS200-1	New Project Component
Existing Compressor Station 515	Luzerne	CS515-1	Contractor Yard Added

Table 1. Project Facility Summary Table			
Proposed Compressor Station 510	Northampton	N/A	Removed from the Project
<u>Aboveground Ancillary Facilities</u>			
Hildebrandt/Lower Demunds REL Tie-Ins and Chapin 2 Interconnect	Luzerne	HLD-1	Revised naming
Existing Carverton Meter Station	Luzerne	CARV-1	No Changes
Existing Chester Meter Station	Chester	CMS-DEL-1	New Project Component
Existing Chapin Meter Station	Wyoming	CMS-WY-1	No Changes
Existing Puddlefield Meter Station	Wyoming	PMS-1	No Changes
Existing Post Road M&R	Delaware	PRMR-1	New Project Component
Proposed Chester Regulation	Delaware	CMS-DEL-1	New Project Component
Existing Delaware Regulator/Lower Mud Run Meter Station	Northampton	DEL/LMR-1	No Changes
Existing Mainline "A" Regulator	Bucks	MLA-1	New Project Component

The following Project information provides further detail on the Project Components listed above.

Project Components

- Regional Energy Lateral - Approximately 22 miles of 30-inch-diameter pipeline, both co-located pipeline along the existing Transco Leidy pipeline system and greenfield pipeline, in Luzerne County, PA;
 - The previously provided preliminary route alternatives have been removed and the current route is provided.
 - Route adjustments have been incorporated into the current alignment
- Effort Loop - Approximately 14 miles of 42-inch-diameter pipeline looping the existing Transco Leidy pipeline system in Monroe County, PA;
 - Some minor route adjustments have been incorporated into the current alignment
- Existing Compressor Station 195 – Modifications will include additional horsepower at an existing Compressor Station in York County. No earth disturbance is being proposed for the modification
 - No changes have been proposed
- Existing Compressor Station 200 – Modifications will connect existing Transco Mainline A into suction to support south flow
 - This facility was not previously included with the original PNDI Submission
- Existing Compressor Station 515 – Additional horsepower and facility modifications at an existing Compressor Station in Luzerne County, PA located adjacent to the existing Leidy pipeline system;
 - Addition of one gas-fired turbine drive compressor with approximately 31,871 HP and modifications of the existing compressors to support new project flow

- Abandon and replace approximate 17,000 HP from five existing gas-fired reciprocator driven compressors with one gas-fired turbine driver compressor with approximately 19,502 HP.
- Replacement of communication tower at Compressor Station 515. The new communication tower will be freestanding (e.g. not supported by guy wires) and approximately 380 feet high. The existing communication tower is 357 feet high and supported with guy wires. Lighting from the existing communication tower will be re-purposed and is in compliance with Federal Aviation Administration (FAA) requirements.
- A contractor yard associated with this facility has been included.
- Aboveground Ancillary Facilities – Modifications or additions of receipt and delivery meter stations, valve sites, and regulator stations along the proposed pipeline routes and along Transco's existing pipeline system.
 - Four new project components have been added since the previous submission, as noted in the above table.

Revised Project location mapping is located within Attachment A of this submission. GIS shapefiles have been uploaded as part of the PNDI Online submission. A hard copy of this correspondence have been sent via U.S. mail to the USFWS.

Should the Project, as presented, indicate the need for additional species-specific field studies from what was previously requested or indicate other Project considerations, please provide a response outlining those requirements.

If you have any questions regarding this correspondence and information request, or require additional Project information, please do not hesitate to call me at (713) 215-4232 or contact me via e-mail at karen.olson@Williams.com. Alternatively, you can contact Ryan Nelson, Senior Project Manager at WHM Consulting, LLC at (814) 689-1650 or via e-mail at ryann@whmgroup.com. I appreciate your assistance and thank you for your attention to this request.

Respectfully submitted,

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC



Karen Olson
Environmental Specialist

Attachments: Attachment A: Project Location Maps

cc: Josh Henry, Transco
Ryan Nelson, WHM Consulting, LLC

1. PROJECT INFORMATION

Project Name: **Regional Energy Access Project**

Date of Review: **9/8/2020 11:03:49 AM**

Project Category: **Energy Storage, Production, and Transfer, Energy Transfer, Pipeline (e.g., gas, oil) -- NEW (construction of new line in a new location)**

Project Area: **483.85 acres**

County(s): **Bucks; Chester; Delaware; Luzerne; Monroe; Northampton; Wyoming; York**

Watersheds HUC 8: **Brandywine-Christina; Lehigh; Lower Delaware; Lower Susquehanna; Middle Delaware-Mongaup-Brodhead; Middle Delaware-Musconetcong; Schuylkill; Upper Susquehanna-Lackawanna; Upper Susquehanna-Tunkhannock**

Watersheds HUC 12: **Abrahams Creek; Bear Creek; Buck Creek-Delaware River; Buckhorn Creek-Delaware River; Buckwha Creek; City of Wilkes-Barre-Mill Creek; City of Wilkes-Barre-Susquehanna River; Fishing Creek-Muddy Creek; Headwaters Pohopoco Creek; Leonard Creek; Little Valley Creek-Valley Creek; Lower Bowman Creek; Lower McMichael Creek; Mud Run; Obendorfers Creek-Susquehanna River; Oldmans Creek-Delaware River; Repaupo Creek-Delaware River; Toby Creek; Tunkhannock Creek; Upper McMichael Creek; Valley Creek; Wright Creek-Lehigh River**

Decimal Degrees: **41.293788, -75.808780**

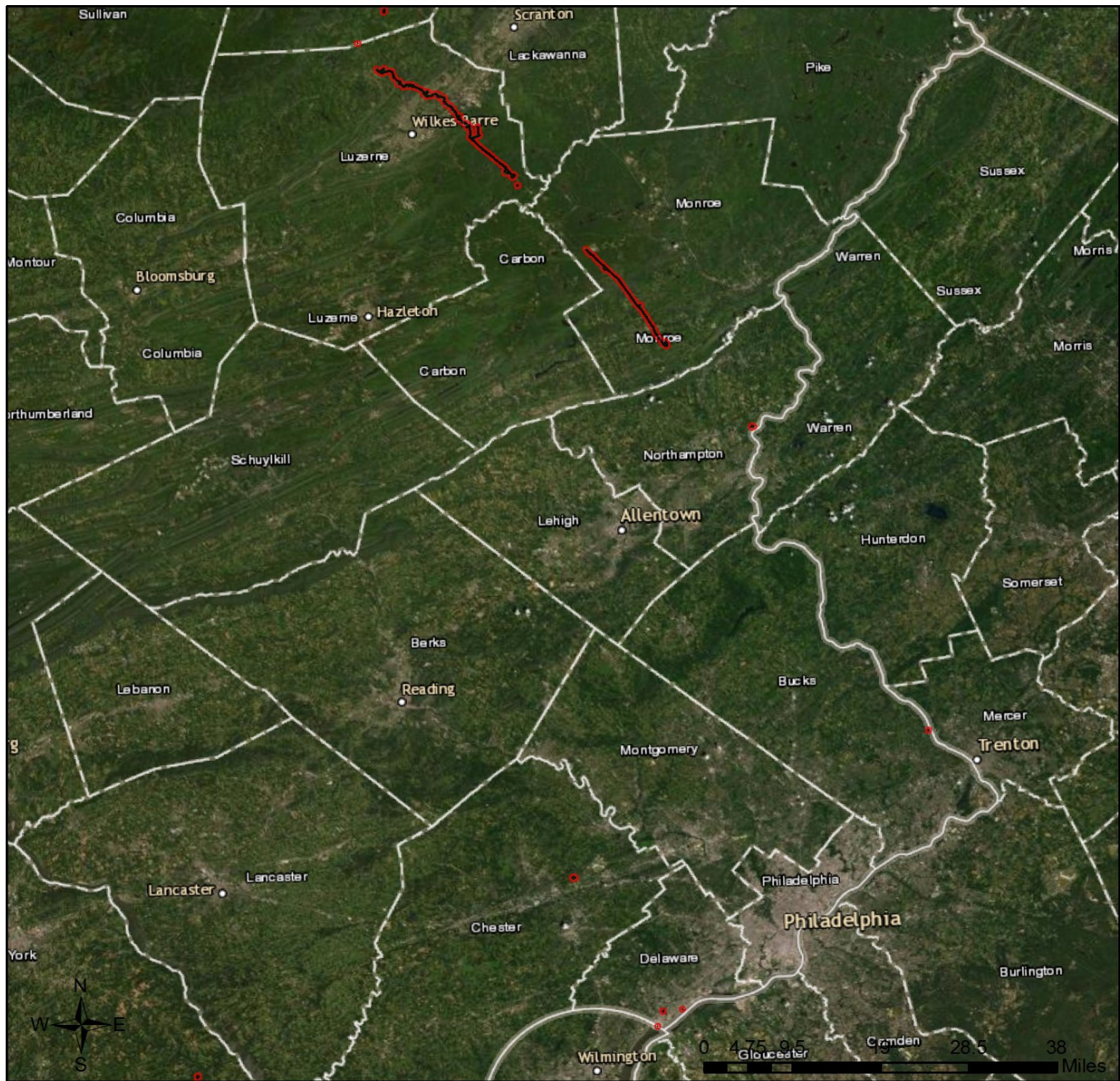
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2. SEARCH RESULTS - LARGE PROJECT

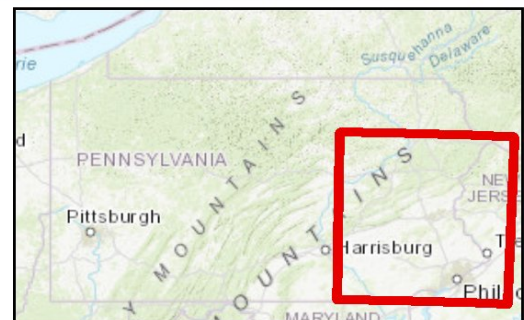
Agency	Results	Response
PA Game Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
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Large Project. The project area is greater than 10 miles and/or 5,165 acres and therefore is categorized as a Large Project, and is not analyzed by the PNDI tool. Coordination is therefore required with the four jurisdictional agencies to determine if potential impacts to threatened and endangered and/or special concern species and resources within the project area. Please see the DEP Information section of the receipt if a PA Department of Environmental Protection Permit is required.

Regional Energy Access Project

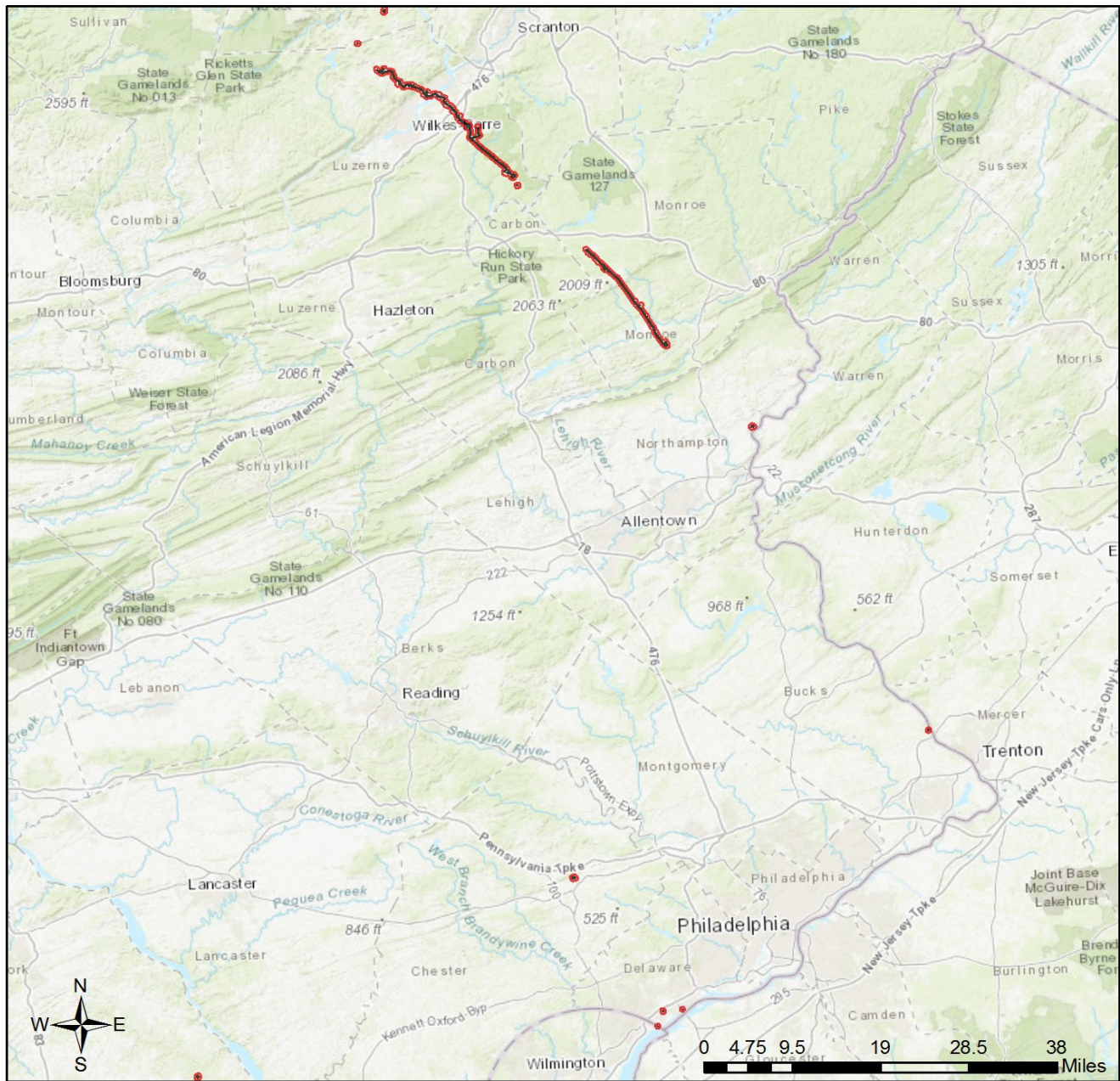


-  Project Boundary
-  Buffered Project Boundary



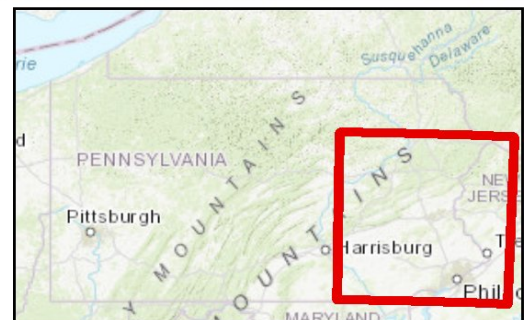
Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community
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Regional Energy Access Project



- Project Boundary
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3. AGENCY COMMENTS

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RESPONSE:

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___ A map with the project boundary and/or a basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

In addition to the materials listed above, USFWS REQUIRES the following

___ **SIGNED** copy of a Final Project Environmental Review Receipt

The inclusion of the following information may expedite the review process.

___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

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5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

PA Fish and Boat Commission

Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
Email: IR1_ESPenn@fws.gov
NO Faxes Please

PA Game Commission

Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Ryan Nelson
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8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

Ryan Nelson
applicant/project proponent signature

09/04/2020
date