



September 13, 2024

Sent Via PA-SHARE

RE: ER Project # 2023PR06059.004, Tioga Pathway Project , Federal Energy Regulatory Commission, Deerfield Township, Tioga County

Dear Submitter,

Thank you for submitting information concerning the above referenced project. The Pennsylvania State Historic Preservation Office (PA SHPO) reviews projects in accordance with state and federal laws. Section 106 of the National Historic Preservation Act of 1966, and the implementing regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, is the primary federal legislation. The Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988) is the primary state legislation. These laws include consideration of the project's potential effects on both historic and archaeological resources.

Archaeological Resources

No Archaeological Concerns - Environmental Review - No Effect - Archaeological - Avoidance

This report meets our standards and specifications as outlined in Guidelines for Archaeological Investigations in Pennsylvania (SHPO 2021) and the Secretary of the Interior's Guidelines for Archaeological Documentation. The Phase I archaeological survey identified four archaeological sites: 36TI0188 (Historic 2), 36TI0189 (Historic 3), 36PO0057 (Historic 4) and 36PO0056 (Historic Site 1). Sites 36PO0056 (Historic 1), 36TI0189 (Historic 3), and 36PO0057 (Historic 4) have not yet been evaluated for their eligibility for listing in the National Register of Historic Places (NRHP); however, they have been avoided by project redesign. PA SHPO concurs with the finding of the report that the portion of 36TI0188 (Historic 2) located within the APE would not contribute to the eligibility of this site, should it be determined to be eligible in the future. Since the 36TI0188 site boundary likely extends well beyond the project APE, the site remains unevaluated for listing in the NRHP. In our opinion, no further archaeological work is necessary for this project. If project plans change and the site(s) cannot be avoided, if the LOD is revised to include additional ground disturbance, and/or if additional historic properties are located during project construction, you will need to reinitiate consultation with our office using PA-SHARE.

For questions concerning archaeological resources, please contact Justin McKeel at jusmckeel@pa.gov.

Sincerely,

A handwritten signature in black ink that reads 'Barbara Frederick'.

Barbara Frederick

Environmental Review Division Manager

PA-SHARE Environmental Review Subsequent Submission Accepted by PA SHPO for 2023PR06059 Tioga Pathway Project

PA-SHARE <RA-phpasharednr@pa.gov>

Fri 8/16/2024 9:05 AM

To:Peltier, Rob <rob.peltier@tetrattech.com>

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. ⚠

This is an automated notification sent by the Pennsylvania State Historic Preservation Office (PA SHPO) from the Pennsylvania's Historic and Archaeological Resource Exchange (PA-SHARE). Please do not reply directly to this email as it is an unmonitored account.

Hello,

Your Submission IMWDUMPRGI7U has been accepted as a new submission for Environmental Review 2023PR06059 Tioga Pathway Project . You will receive further notifications from PA-SHARE when PA SHPO has completed their review of your submission. **No further other action is required at this time.**

You can access the submission at:

<https://share.phmc.pa.gov/pashare/>

If you feel you have received this email in error or have questions about why you are receiving this email, please visit the PA-SHARE help page at <https://share.phmc.pa.gov/pasharehelp/> or contact the PA-SHARE Help Desk at pashare@pa.gov.

Thank you,

PA SHPO

Unanticipated Discoveries Plan

National Fuel Gas Supply Corporation

Tioga Pathway Project

McKean, Potter, and Tioga Counties, Pennsylvania

Scope

This plan is intended to provide guidance to project personnel and the construction team so they can achieve compliance with the National Environmental Policy Act of 1969 and Section 106 of the National Historic Preservation Act of 1966 (16 United State Code [USC] 470f), as amended, implementing regulations of the Advisory Council on Historic Preservation (36 Code of Federal Regulations [CFR] 800), and other federal and state laws applicable for the protection of historic and precontact cultural resources. It describes to regulatory agencies the procedures that the project personnel and construction team will implement in the event of an unanticipated discovery of cultural materials during construction of the Tioga Pathway Project (Project).

CONTACTS

Local Law Enforcement

Dial 911 and specify that it is not a life-threatening situation

National Fuel Gas Supply Corporation (National Fuel)

Primary Contact: Lauren McMillan
Project Engineer
National Fuel Supply Corporation
1100 State Street
Erie, PA 16501
McMillanL@natfuel.com
814-871-8195

Tetra Tech, Inc. (National Fuel Contractors)

Primary Contact: Sandy Lare, Senior Program Project Manager /
Environmental Compliance Lead
sandy.lare@tetrattech.com
716-541-9221

Secondary Contact: Rob Peltier, Cultural Resource Specialist
rob.peltier@tetrattech.com
716-541-9226

Federal Energy Regulatory Commission (FERC or Commission)

Primary Contact: Paul Friedman
FERC Project Archaeologist
paul.friedman@ferc.gov

Pennsylvania State Historic Preservation Office (PA SHPO)

Primary Contact: Justin McKeel
Archaeological Resources Environmental Review
Specialist, Central Region
jusmckeel@pa.gov
717-783-9900

McKean County Coroner

Primary Contact: Michel Mascho, McKean County Coroner
814-368-7149

Potter County Coroner

Primary Contact: Kevin Dusenbury, Potter County Coroner
814-697-6570

Tioga County Coroner

Primary Contact: James Daugherty, Tioga County Coroner
570-439-2043

INTRODUCTION

As part of the planning process for the Tioga Pathway Project (Project), National Fuel Gas Supply Corporation (National Fuel) conducted a cultural resources survey of the Project. To ensure that National Fuel maintains full and complete compliance with all federal and state regulations concerning the protection of cultural resources, and to maintain compliance with the Federal Energy Regulatory Commission's (FERC or Commission) requirement for a plan to address the unanticipated discovery of cultural properties or human remains during construction, this Unanticipated Discoveries Plan (UDP) has been prepared for the Project.

The possibility of encountering unanticipated cultural remains during construction, maintenance, and on-going use of a property cannot be precluded. National Fuel understands that it is possible for unanticipated cultural resources or human remains to be discovered during construction. If unanticipated cultural resources are discovered at any time, the steps outlined below will be followed, as appropriate. Unanticipated discoveries that trigger these procedures include:

- An archaeological discovery, which can include cultural features, building foundations or other historic structures with subsurface remains, concentrations of artifacts, or evidence of human occupation, such as a hearth, a midden and/or mound, a cluster of lithic (stone) or ceramic (pottery) artifacts, or an area of charcoal or charcoal-stained soil; and
- Human remains, including evidence of human burial, including gravestone or other cemetery object fragments, casket hardware, any bone not positively identifiable as modern animal, objects consistent with grave goods, staining consistent with the size and shape expected for a burial, or any other evidence that would lead personnel to suspect that human remains are interred in the vicinity.

IDENTIFICATION/TRAINING

Training will be provided to personnel outlining National Fuel's commitment regarding cultural resource compliance and to provide an overview of the general cultural history of the Project area, so that both National Fuel and construction personnel are aware of the types of archaeological resources that might be encountered in the field. In addition, the training program will emphasize the exact procedures to be followed, as outlined in this plan, regarding actions to be taken and notifications required in the event of a significant site discovery (e.g., discovery of human remains) during construction.

NOTIFICATION PROCEDURES

National Fuel will require the following procedures to be initiated in the event of a potential discovery of archaeological resources during construction. The notification process is provided below.

1. In the event that an archaeological discovery is made during a construction activity, that activity will be halted immediately until it can be determined whether those materials are cultural and if they represent a potentially significant site. If construction personnel identify an archaeological discovery, activities will be suspended immediately and the construction foreman will be notified immediately. The archaeological discovery will be flagged or fenced with a 50-foot buffer to ensure site security.
2. The construction foreman will notify the Project Environmental Inspector (EI), who will immediately notify National Fuel's Archaeologist. Notification will include the specific

-
- construction area (e.g., trench wall, spoil pile, foundation excavation) in which the archaeological discovery is located and the milepost location along the pipeline route.
3. The EI will discuss with National Fuel's Archaeologist the location and type of the archaeological discovery. If the archaeologist is not in the immediate site vicinity and further work in the excavation area is not imminent, photographs or drawings of the artifacts may be e-mailed or faxed to the archaeologist for review. Based on the information provided, the archaeologist will determine if a visit to the area is required and, if so, they will be expected to have a crew onsite within 24 hours after notification. If onsite archaeological investigations are required, the archaeologist will inform National Fuel who in turn will notify FERC and the State Historic Preservation Office(r) (SHPO). Until an archaeologist reviews the site, no construction work will take place within the archaeological discovery or the 50-foot buffer.
 4. The archaeologist will assess the site and will test the site as necessary. Assuming the area will have already been partially disturbed by construction activities, the objective of the archaeological assessment will be to recover data quickly so that construction at the site can continue in a timely manner. All archaeological investigations will conform to the Secretary of the Interior's (SOI) *Standards and Guidelines for Archeology and Historic Preservation* (48 Federal Register [FR] 44716-42, September 29, 1983) and, as applicable, the *Guidelines for Archaeological Investigations in Pennsylvania* (PA SHPO 2021).
 5. The SHPO, affected Federally-recognized Tribes, and the FERC Project Archaeologist will be notified within 24-hours by National Fuel if it is determined that the archaeological discovery is potentially significant. Notification will include verbal (telephone or telephone message) and e-mail (for written documentation) of the unanticipated discovery. All known information regarding the nature and extent of the archaeological discovery will be made available in consultation with the SHPO and FERC.
 6. If 24-hour notification is not necessary, data regarding the site will be faxed, e-mailed, or sent by express mail to the SHPO in order to ensure a quick site clearance. If required, mitigation measures will be determined in consultation with FERC, SHPO, and interested tribes, as appropriate, by the nature of the archaeological discovery and the nature and scope of the adverse effect that the undertaking will have on the resource. If the discovery is deemed National Register of Historic Places (NRHP)-eligible, National Fuel will produce a Treatment, Mitigation, or Avoidance Plan for review and approval by the SHPO. FERC staff will make final determinations of NRHP eligibility and Project effects, as well as review all reports and treatment plans prior to any notices to proceed.
 7. If the discovery is determined not to be NRHP-eligible, National Fuel will work with the SHPO to ensure that the site is cleared without affecting the construction schedule, if possible.
 8. If agencies agree that the discovery appears to be potentially significant, or if its potential significance cannot be determined, the resource will be further evaluated by the archaeologists. The appropriate evaluative methodology to be applied will be determined by the nature of the resource, in coordination with consulting parties.
 9. If the discovery is determined by SHPO to be culturally significant, the feasibility of avoiding the cultural resource will be examined. If avoidance is feasible, the nature and extent of the
-

discovery will be noted for future planning purposes in a Preservation Plan (prepared by National Fuel) to be reviewed by SHPO and FERC to ensure continued avoidance.

10. If a discovery is determined to be NRHP-eligible and cannot be avoided, then a Treatment, Mitigation, or Avoidance Plan will be considered.
11. The specific mitigation measures to be followed will be detailed in a Mitigation Scope of Work (prepared by National Fuel) to be reviewed by SHPO. Measures will be determined by the nature of the discovery and the nature and scope of the adverse effect that the undertaking will have on the resource.
12. The location of the discovery within the Property will be protected as highly confidential and access to this information, for management and protection purposes, will be limited to appropriate personnel on a need-to-know basis. Cultural remains encountered will be treated with dignity and respect.

UNANTICIPATED DISCOVERY OF HUMAN REMAINS

The following procedures will be initiated by National Fuel in the event unanticipated human remains are discovered. Should human remains be encountered during construction, all work will be immediately halted at the general location of the discovery.

1. In the event that suspected human remains are uncovered during a construction activity, contractor construction personnel will suspend construction immediately and inform the contractor's Project Construction Foreman. The Project Construction Foreman, in turn, will notify the Project EI. The EI will immediately notify National Fuel's Archaeologist. At all times human remains must be treated with the utmost dignity and respect. Should human remains be encountered, work in the general area of the discovery will stop immediately and the location will be immediately secured and protected from damage and disturbance. The human remains discovery location will be flagged or fenced with a 50-foot buffer to ensure site security.
2. Human remains or associated archaeological discovery will be left in place and not disturbed. No skeletal remains or materials associated with the remains will be collected or removed until appropriate consultation has taken place and a plan of action has been developed.
3. National Fuel will immediately contact the county coroner and local law enforcement, as well as the FERC Project Archaeologist and staff at the appropriate SHPO. The coroner and local law enforcement will make the official ruling on the nature of the remains, being either forensic or archeological. If the remains are archeological in nature, a bioarchaeologist will confirm the identification as human. If the remains are not modern or the result of a crime, National Fuel will produce a Treatment Plan, in consultation with the FERC staff, the SHPO, interested Native American tribes, or likely descendants, that details appropriate measures to be implemented, which may include, but are not limited to avoidance, excavation, study, reburial, or repatriation. In no situation would human remains be permanently curated.
4. If human remains are determined to be Native American, the remains will be left in place and protected from further disturbance until a plan for their protection or removal can be generated. The SHPO or FERC will contact interested Native American tribes. The involved agency will consult SHPO and appropriate Native American groups to determine a plan of action. National Fuel may

make arrangements for interested Native Americans to visit the site prior to the production of a Treatment Plan, if such a visit is requested. Photographs of Native American human remains and associated funerary objects should not be taken without consulting with the involved Native American tribes.

5. If human remains are determined to be Euro-American, the remains will be left in place and protected from further disturbance until a plan for their avoidance or removal can be generated. National Fuel will make an effort to identify and contact the nearest relations or likely descendants, ethnic group, or community affiliated with remains. Consultation with SHPO and other appropriate parties will be required to determine a plan of action. A permit will be obtained from the State Archaeologist prior to excavations. National Fuel may have to make arrangements for likely descendants to visit the site prior to the production of a Treatment Plan.
6. National Fuel will be responsible for all cultural resources costs including evaluation, data recovery, and curation.

FEDERAL GUIDELINES, REGULATIONS, AND LEGISLATION FOR UNANTICIPATED CULTURAL RESOURCES AND HUMAN REMAINS

- Sections 106 and 110 of the *National Historic Preservation Act* (NHPA), *as amended* (54 USC 306108 and 306101 et seq.)
- Section 6 of the *Archaeological Resources Protection Act*, *as amended* (16 USC 4703ee)
- Secretary of the Interior's *Standards for Archaeology and Historic Preservation* (48 FR 44716-42)
- Advisory Council for Historic Preservation (ACHP): *Protection of Historic Properties* (36 CFR 800)
- ACHP: *Policy Statement Regarding Treatment of Burial Sites, Human Remains, and Funerary Objects* (ACHP February 23, 2007)
- FERC's *Office of Pipeline Regulation: Guidelines for Reporting on Cultural Resources Investigations* (FERC 2017)
- *Native American Graves Protection and Repatriation Act* (NAGPRA) (25 USC 3001 et seq.)

PA-SHARE Environmental Review Requested Submission Requires Additional Information to Complete Submission for Tioga Pathway Project

PA-SHARE <RA-phpasharednr@pa.gov>

Fri 8/16/2024 7:44 AM

To:Peltier, Rob <rob.peltier@tetrattech.com>

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

This is an automated notification sent by the Pennsylvania State Historic Preservation Office (PA SHPO) from the Pennsylvania's Historic and Archaeological Resource Exchange (PA-SHARE). Please do not reply directly to this email as it is an unmonitored account.

Hello,

Your Submission IMWDUMPRGI7U for project Tioga Pathway Project is insufficient to be reviewed by PA SHPO, as outlined below. **Further action is required to re-submit the requested information.** Please return to PA-SHARE and resubmit.

Comments by PA SHPO: Please upload the full report pdf to the Report Record.

<https://share.phmc.pa.gov/pashare/home/my-submissions/>

If you feel you have received this email in error or have questions about why you are receiving this email, please visit the PA-SHARE help page at <https://share.phmc.pa.gov/pasharehelp/> or contact the PA-SHARE Help Desk at pashare@pa.gov.

Thank you,

PA SHPO



August 15, 2024

Submitted Electronically via PA-SHARE

Justin McKeel
Archeological Resources Environmental Review Specialist
Pennsylvania Historical and Museum Commission
Commonwealth Keystone Building, Second Floor
400 North Street
Harrisburg, PA 17120-0093

**RE: ER Project No. 2023PR06059
Tioga Pathway Project
Federal Energy Regulatory Commission
Phase I Archaeological Investigations Report
McKean, Potter, and Tioga Counties, Pennsylvania**

Dear Mr. McKeel:

On behalf of national Fuel Gas Supply Corporation (National Fuel), Tetra Tech, Inc. (Tetra Tech) is submitting a technical report detailing a Phase I Archaeological Survey for the proposed Tioga Pathway Project (Project). In December 2023, Tera Tech initiated consultation with the Pennsylvania Historical and Museum Commission (PHMC) via the PA-SHARE online platform (ER Project No. 2023PR06059).

The Project is located in McKean, Potter and Tioga counties and consists of the replacement of approximately 6.12 kilometers (km) of existing 30-centimeter (cm)-diameter 1936-vintage bare steel pipeline (Z20 Replacement Pipeline) and the installation of approximately 31.35 km of 51-cm-diameter steel pipeline (YM59 Mainline Pipeline) in new right-of-way (ROW). The pipeline is proposed to be replaced with new 51-cm (20-in)-diameter pipeline in National Fuel's existing ROW in Potter County and installed beginning at the east end of the Z20 Replacement Pipeline, traversing Potter and Tioga Counties. The construction workspace or limits of disturbance (LOD) of the Z20 Replacement Pipeline will consist of the existing 15-meter (m)-wide permanent ROW plus an additional 7.6 m of temporary or additional temporary workspace (TWS/ATWS). The LOD of the YM59 Mainline Pipeline will consist of a 15-m-wide permanent ROW plus an additional 7.6 to 15.2 m of TWS/ATWS, up to 152 m in width at specific locations. The wider construction workspace areas allow for specialized construction techniques at stream and road crossings, topsoil segregation in agricultural areas, and vehicle operating space. In addition, the following components are proposed associated and support facilities:

- Construct a new over-pressure-protection (OPP) station (McCutcheon Hill OPP Station) at the interconnection between the eastern terminus of the Z20 Replacement Pipeline the western terminus of the YM59 Mainline Pipeline in Potter County;
- Install gas measurement, gas quality, flow control, OPP devices, a pig launcher, and associated appurtenances at the NFG Midstream Covington, LLC (Midstream Lee Hill Interconnect), to connect the proposed YM59 Mainline Pipeline to Midstream's facilities at the east end of the Project in Tioga County;
- Replace/install certain auxiliary facilities including measurement, OPP devices, flow control, and other associated appurtenances at National Fuel's existing Ellisburg Compressor Station (CS) in Potter County;

- Modify an existing valve setting along the Z20 Replacement Pipeline in Potter County;
- Construct one new remote-control valve setting at a location along the YM59 Mainline Pipeline in Tioga County;
- Install a new cathodic protection ground bed at a location along the YM59 Mainline Pipeline in Tioga County;
- Construction and/or use of up to 4.67 km (2.90 mi) of temporary access roads and 3.78 km of permanent access roads; and
- Use of three previously used staging areas (Port Allegany Pipe Yard, Harrison Valley Contractor Yard, and Middlebury Contractor Yard) will be used to store materials and equipment.

The construction workspace or LOD is equivalent to the direct Area of Potential Effects (APE). The APE for the proposed Project encompasses a total of approximately 143.60 hectares of land.

Site file searches on the PA-SHARE indicated that the Project area is considered archaeologically sensitive. No previously recorded archaeological sites were identified within the Project area or within 1.6 km of Z20 Replacement Pipeline, the YM59 Mainline Pipeline, or the HV Contractor Yard. One, nine, and four archaeological sites were identified within 1.6 km of the Ellisburg CS, the Port Allegany Pipe Yard, and Middlebury Contractor Yard, respectively.

Consultation with the PHMC determined that there is a high probability that significant archaeological sites may be located in the Project area and a Phase I archaeological survey was necessary to locate potentially significant archaeological resources. In addition, the PA SHPO determined that the Project would have No Effect on above ground historic properties.

The Statewide Pre-Contact Probability Model, available through the PA-SHARE, identified areas of low, medium, and high archaeological sensitivity within the APE, and was utilized to determine field testing methodologies. Phase I archeological field investigations were conducted between November 13 and 21, 2023, December 4 and 18, 2023, January 30 and February 12, 2024, April 8 and 18, 2024, and May 30, 2024. The survey encompassed the entire 143.60 ha of land APE. A total of 3,245 shovel tests were excavated during field excavations, including 100 positive shovel tests containing 812 historic period artifacts. Eighty-nine (n=89) positive shovel tests were associated with four newly identified archaeological sites. All newly identified archaeological sites are historic domestic sites and were issued PASS trinomial designations: 36PO0056 (Historic 1), 36TI0188 (Historic 2), 36TI0189 (Historic 3), and 36PO0057 (Historic 4). As a result of Project redesigns, only 2,430 of the excavated shovel tests, including eight positive tests, and one historic archaeological site (36TI0188 / Historic 2) still fall within the LOD.

The Project as currently designed avoids three of the identified archaeological sites: 36PO0056 (Historic 1); 36TI0189 (Historic 3); and 36PO0057 (Historic 4). Therefore, it is recommended that these sites are unevaluated for NRHP-eligibility. Site 36TI0188 (Historic 2) is still located within the LOD; however, as this site represents the remnants of a mid-20th to early 21st century dump site associated with an extant structure, it is recommended not eligible for listing in the NRHP. The status of each resource and Tetra Tech's recommendations are summarized in the following table.

PA SHPO Number	Site Name	Site Type / Function	Cultural Period	Tetra Tech Determination	Recommendation
36PO0056	Historic 1	Habitation; Domestic	Historic; Late 19 th Century- Late 20 th Century	Unevaluated	No additional investigations, site no longer in LOD
36TI0188	Historic 2	Habitation/Artifact scatter; Domestic	Historic/Modern Mid-20 th Century	Not eligible	No additional investigations, not NRHP eligible
36TI0189	Historic 3	Habitation; Domestic	Historic; Mid-Late 19 th Century	Unevaluated	No additional investigations, site no longer in LOD
36PO0057	Historic 4	Habitation; Domestic	Historic; Mid-Late 19 th Century	Unevaluated	No additional investigations, site no longer in LOD

Background research and fieldwork confirmed that no historic structures or properties listed in or eligible for listing in the NHRP were located within or immediately adjacent to the Project area. Based on the results of this Phase I archaeological resource investigation, no adverse effects on precontact or historic archaeological resources listed or eligible for listing on the NRHP are anticipated as a result of the Project’s construction, operation, and maintenance activities. No additional archaeological resource investigations are recommended.

Tetra Tech has submitted the Phase I Archaeological Survey Report via the PA-SHARE for review and comment to assist the Federal Energy Regulatory Commission in meeting its responsibilities under Section 106 of the NRHP. Also, for review and comment, an Unanticipated Discoveries Plan has been uploaded the PA-SHARE.

If you have any questions regarding the Project or require additional information, please contact me at 716-541-9226 or via email at rob.peltier@tetrattech.com

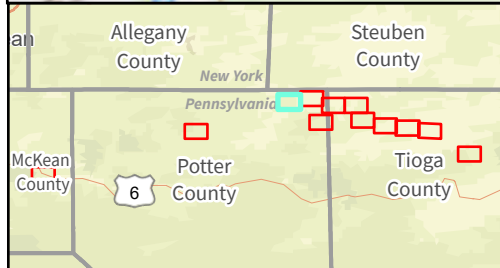
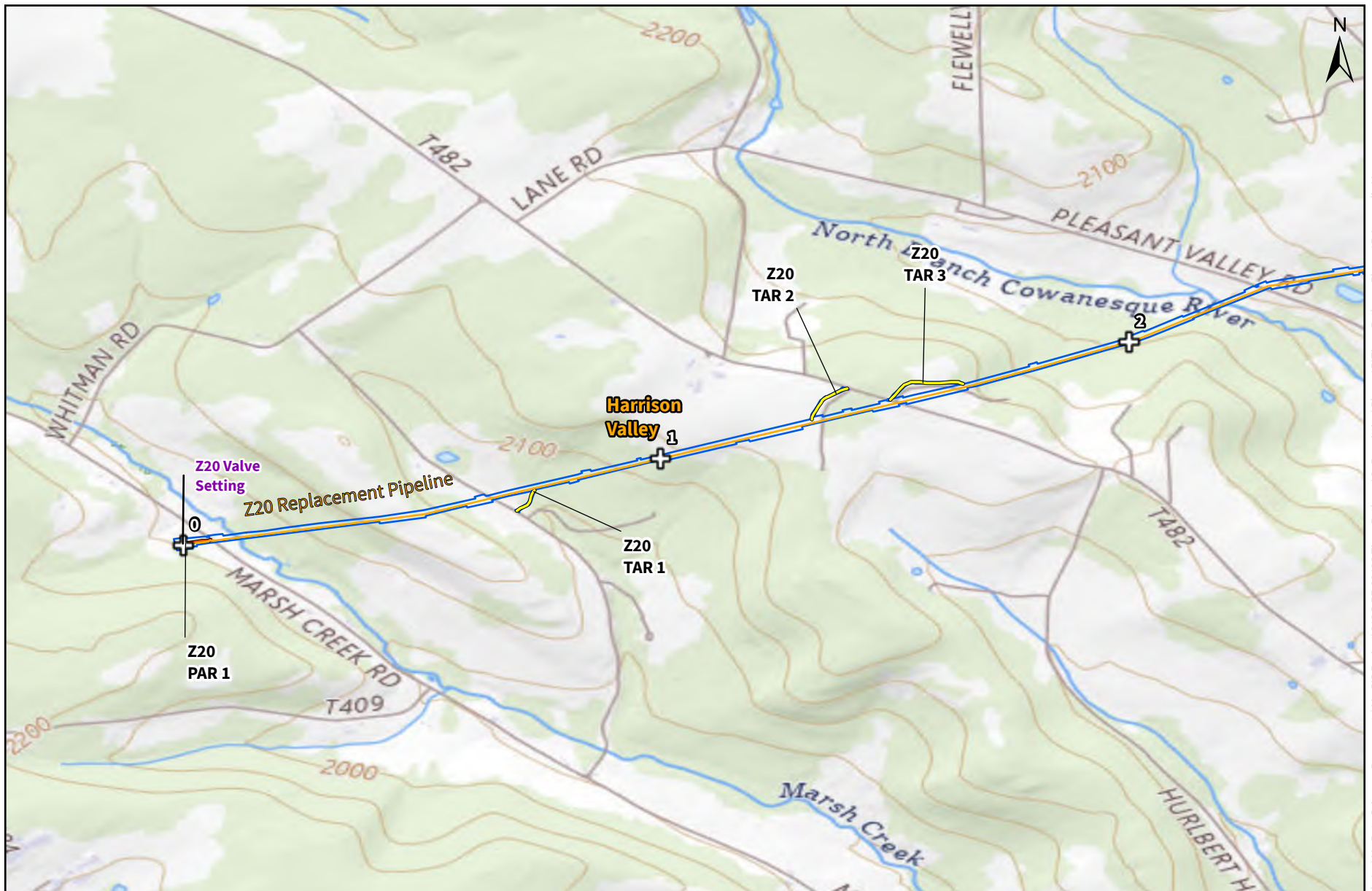
Respectfully submitted,

Tetra Tech, Inc.



Robert Peltier
Cultural Resources Project Manager

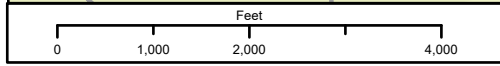
cc: Lauren McMillan, National Fuel
Sandy Lare, Tetra Tech



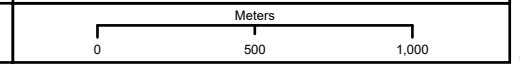
Legend	
	Milepost
	Proposed YM59 Pipeline
	Z20 Replacement Pipeline
	Permanent Access Rd
	Temporary Access Rd
	Project Facility
	Limit of Disturbance
	Municipality Boundary
	USGS Topographic Boundary

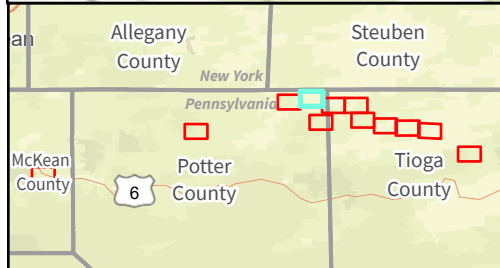
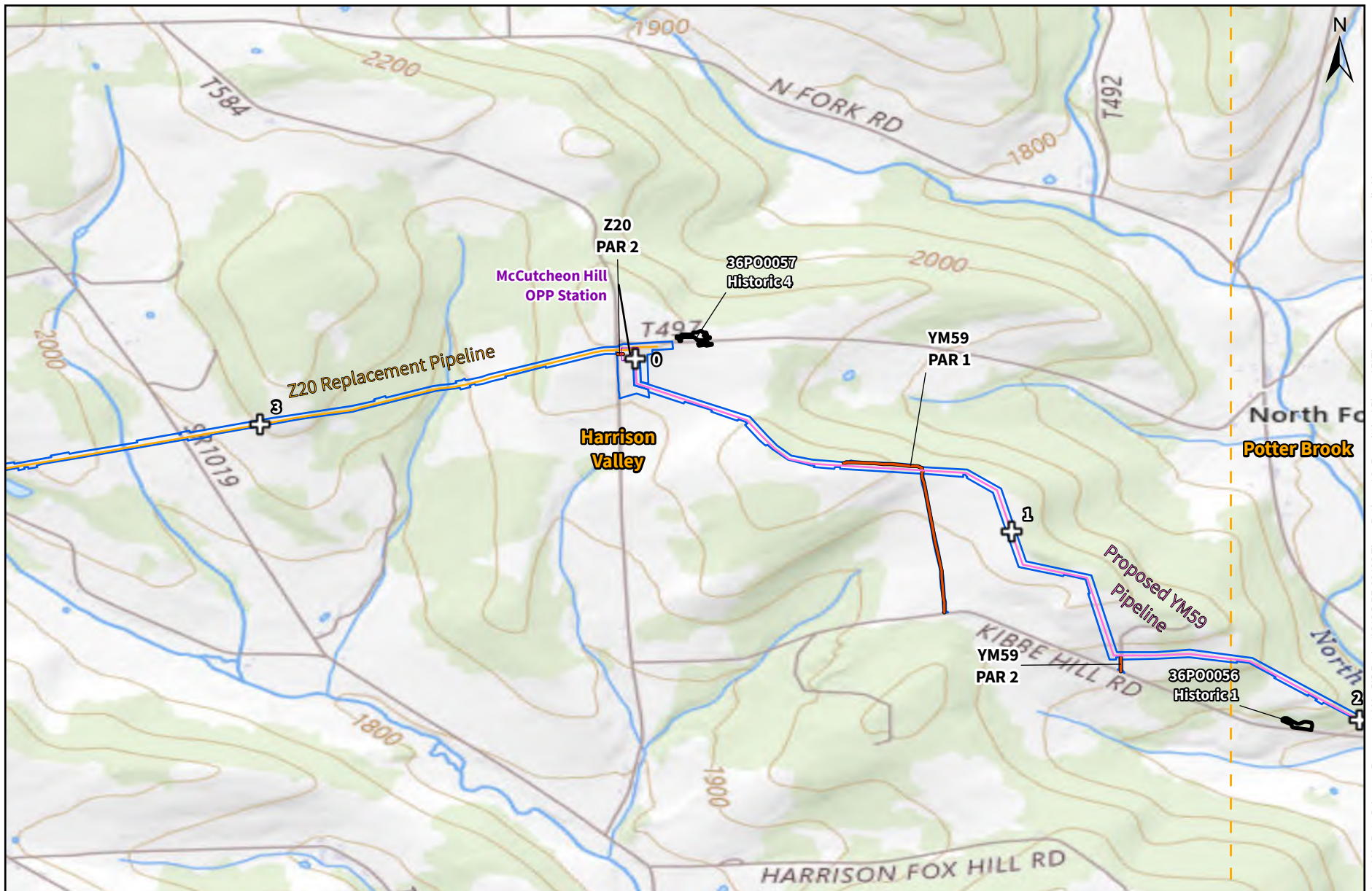
Tioga Pathway Project
Appendix A
Project Location Map (Sheet 1 of 12)
Potter County, PA

Prepared For: **National Fuel**
Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2024)
USGS Quad: Harrison Valley

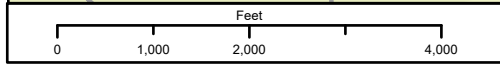




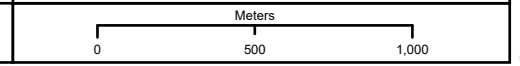
Legend	
	Milepost
	Proposed YM59 Pipeline
	Z20 Replacement Pipeline
	Permanent Access Rd
	Temporary Access Rd
	Project Facility
	Limit of Disturbance
	Historic Site Boundary
	Municipality Boundary
	USGS Topographic Boundary

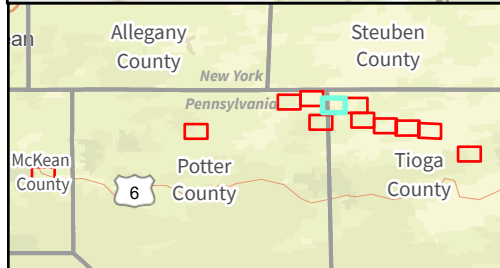
Tioga Pathway Project
Appendix A
Project Location Map (Sheet 2 of 12)
Potter County, PA

Prepared For: **National Fuel**
Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2024)
USGS Quad: Harrison Valley Potter Brook

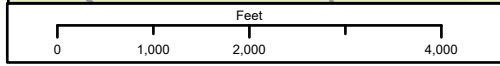




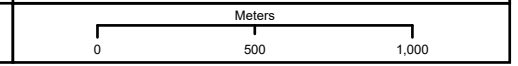
Legend	
	Milepost
	Proposed YM59 Pipeline
	Z20 Replacement Pipeline
	Permanent Access Rd
	Temporary Access Rd
	Project Facility
	Limit of Disturbance
	Municipality Boundary
	USGS Topographic Boundary

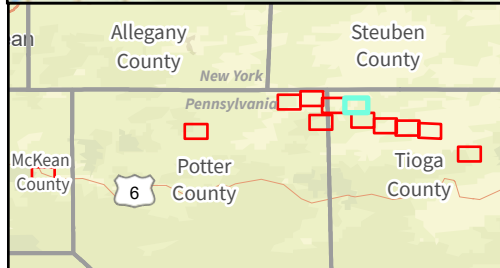
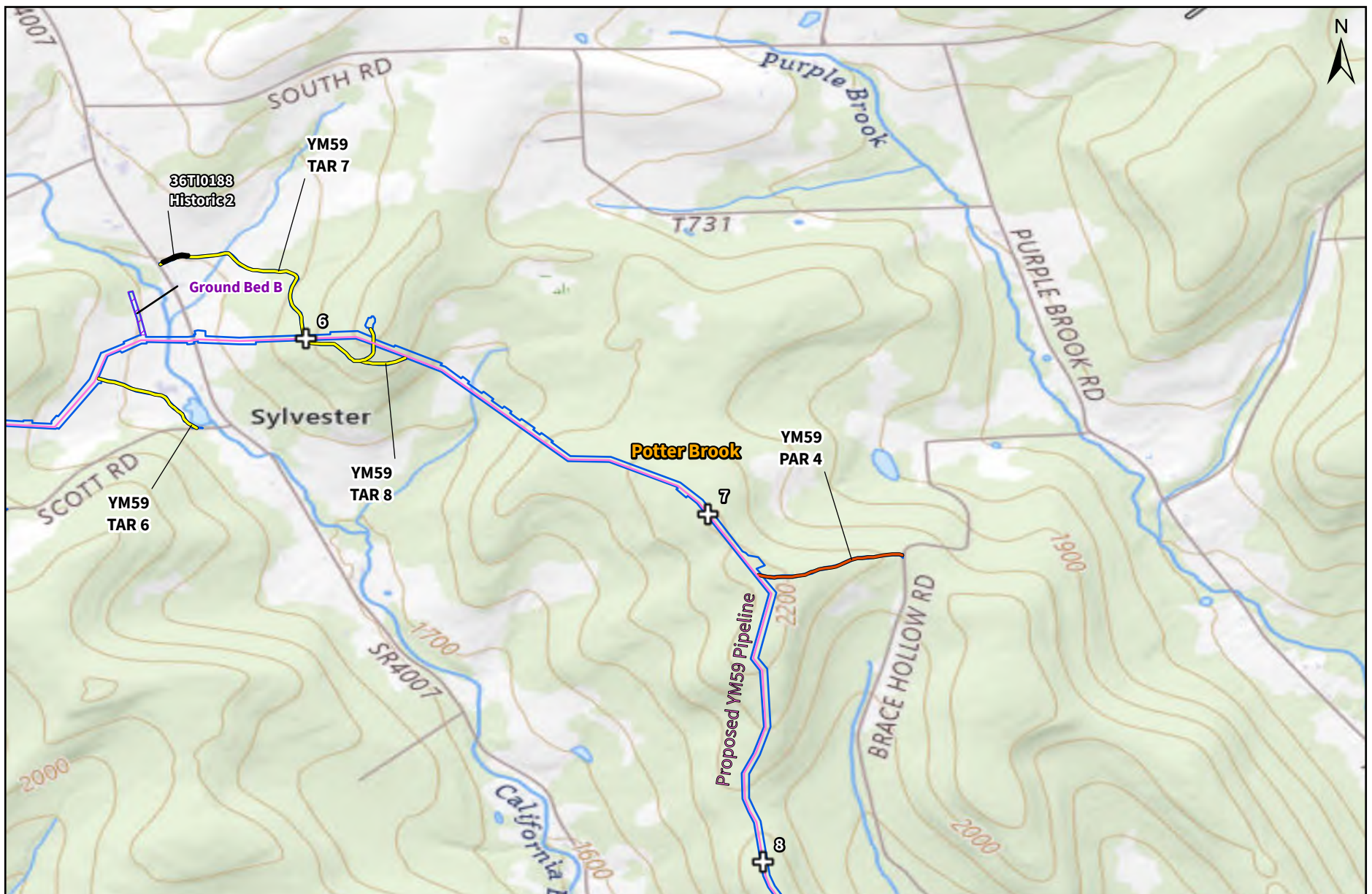
Tioga Pathway Project
Appendix A
Project Location Map (Sheet 3 of 12)
Potter and Tioga County, PA

Prepared For: National Fuel[®]
Prepared By: TETRA TECH



Basemap: ESRI, USGS Topographic (2024)
USGS Quad: Potter Brook



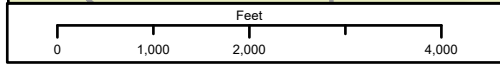


Legend	
	Milepost
	Proposed YM59 Pipeline
	Z20 Replacement Pipeline
	Permanent Access Rd
	Temporary Access Rd
	Project Facility
	Limit of Disturbance
	Historic Site Boundary
	Municipality Boundary
	USGS Topographic Boundary

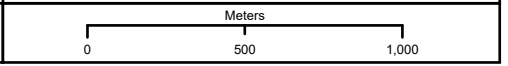
Tioga Pathway Project
Appendix A
Project Location Map (Sheet 4 of 12)
Tioga County, PA

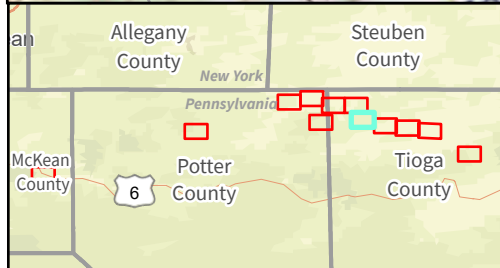
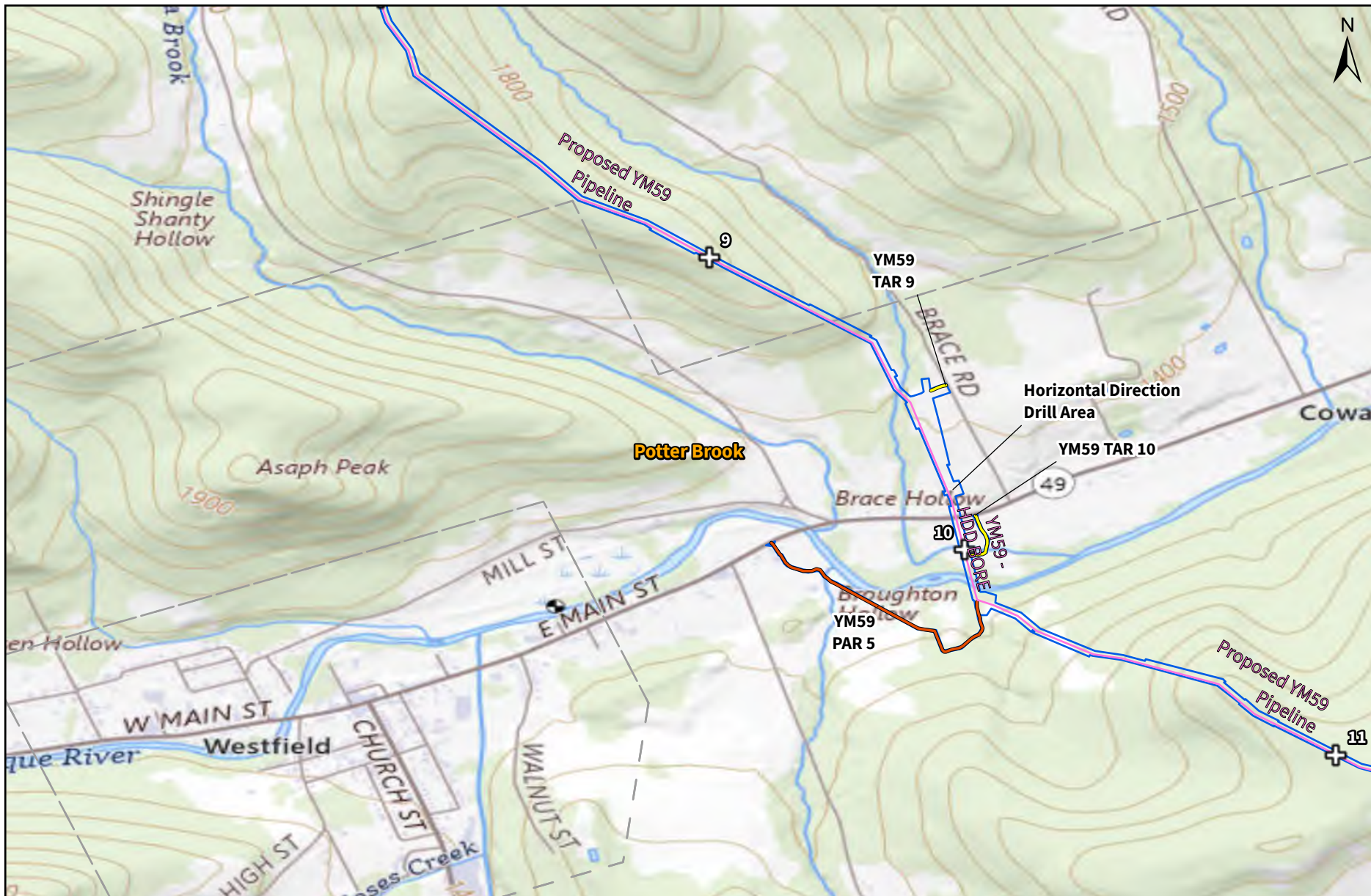
Prepared For: **National Fuel**
Supply Corporation

Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2024)
USGS Quad: Potter Brook



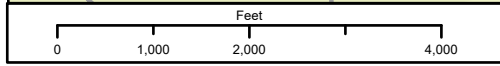


Legend	
	Milepost
	Proposed YM59 Pipeline
	Z20 Replacement Pipeline
	Permanent Access Rd
	Temporary Access Rd
	Project Facility
	Limit of Disturbance
	Municipality Boundary
	USGS Topographic Boundary

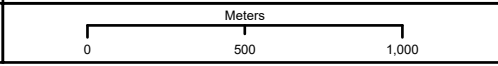
Tioga Pathway Project
Appendix A
Project Location Map (Sheet 5 of 12)
Tioga County, PA

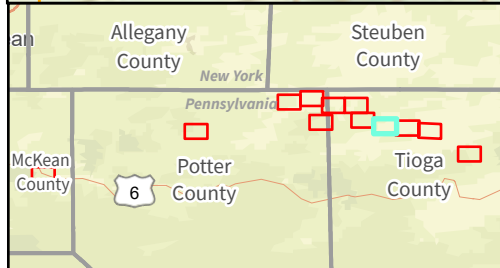
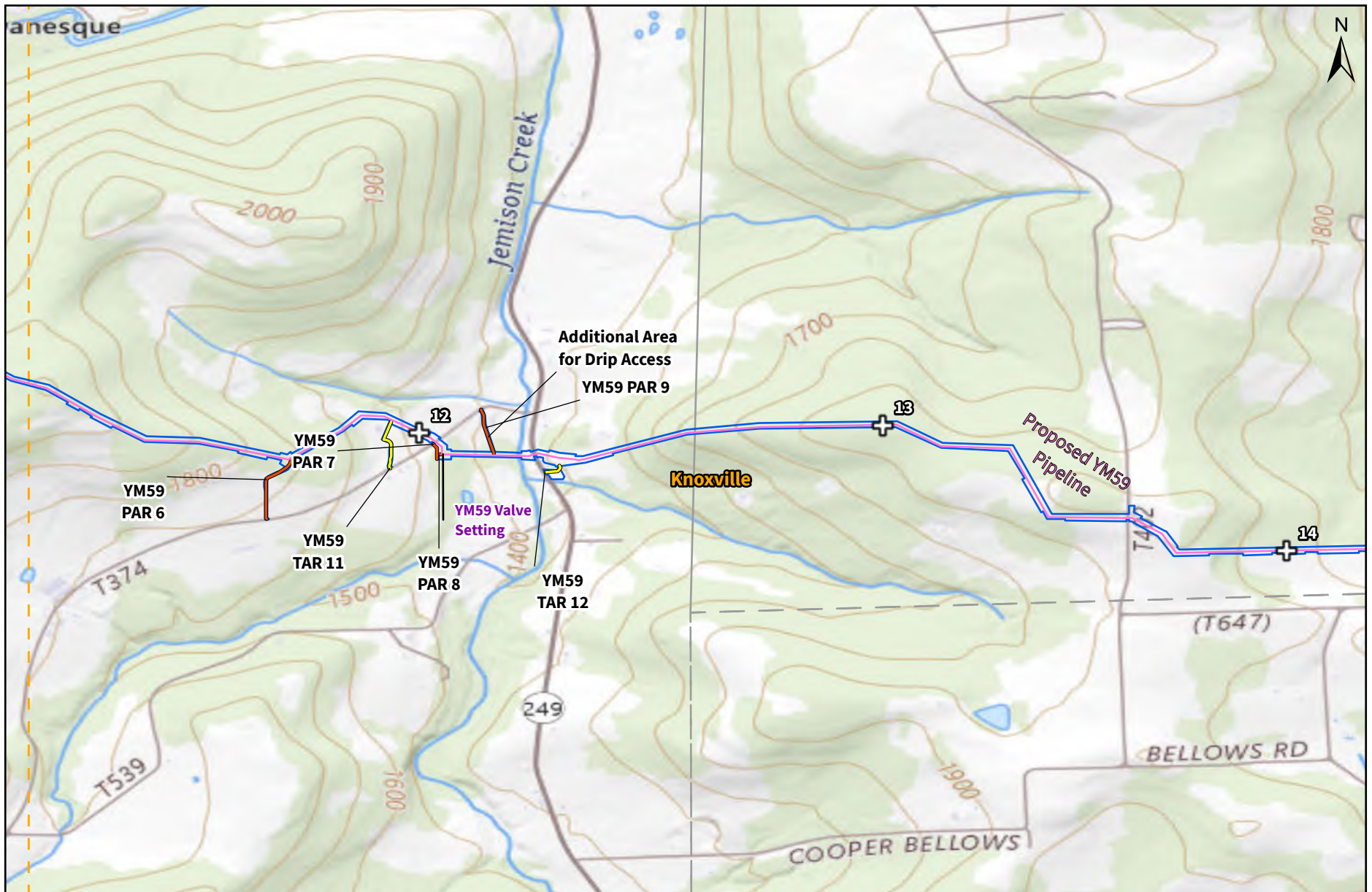
Prepared For: **National Fuel**
Supply Corporation

Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2024)
USGS Quad: Potter Brook



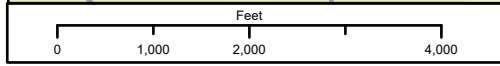


Legend	
	Milepost
	Proposed YM59 Pipeline
	Z20 Replacement Pipeline
	Permanent Access Rd
	Temporary Access Rd
	Project Facility
	Limit of Disturbance
	Municipality Boundary
	USGS Topographic Boundary

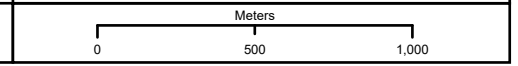
Tioga Pathway Project
Appendix A
Project Location Map (Sheet 6 of 12)
Tioga County, PA

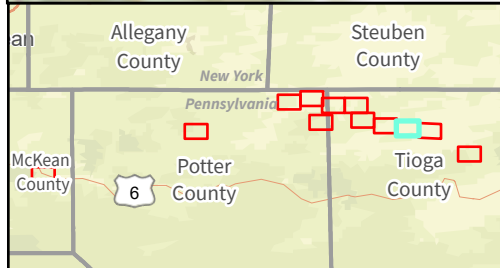
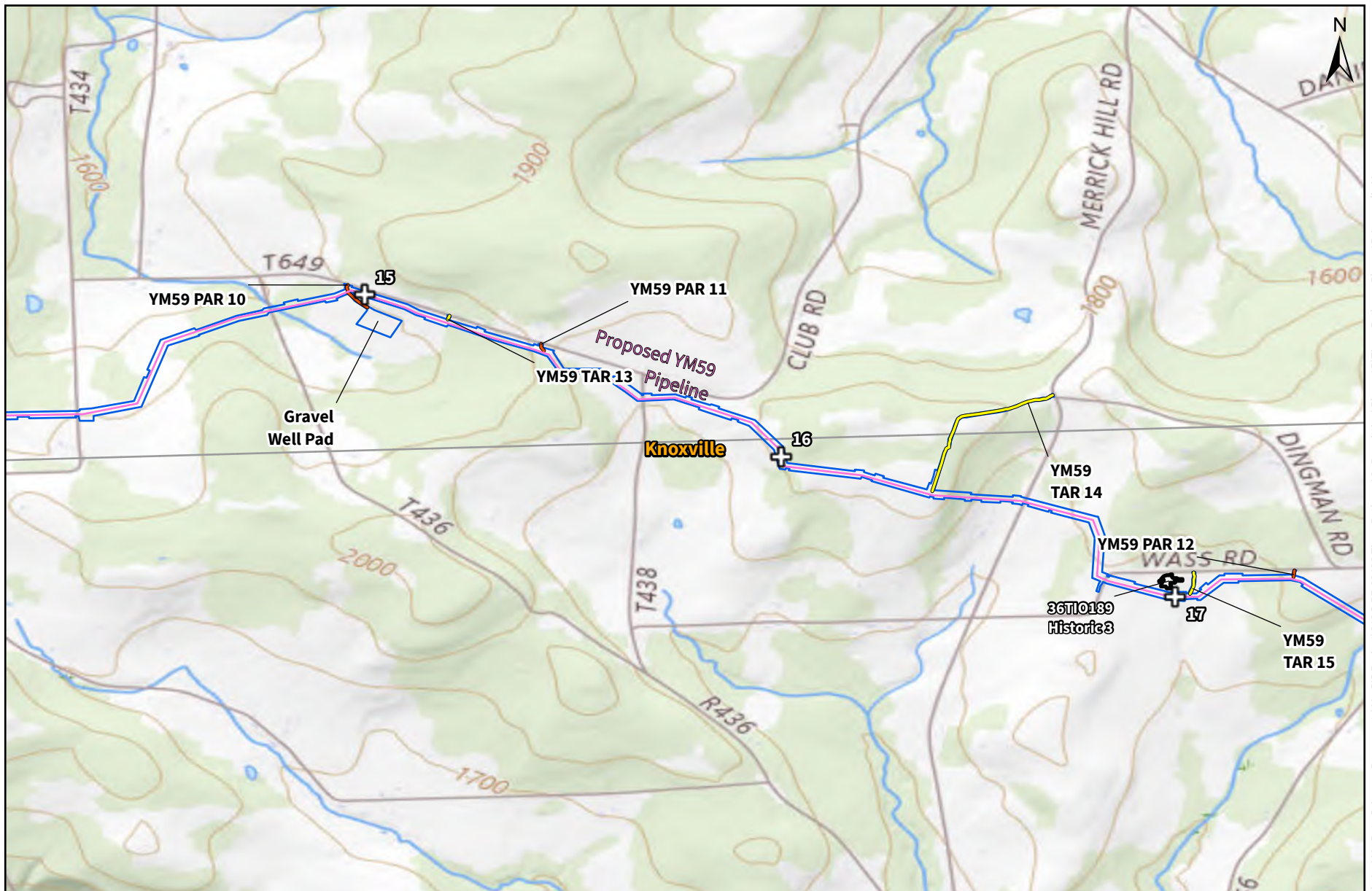
Prepared For: **National Fuel**
Supply Corporation

Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2024)
USGS Quad: Knoxville Potter Brook



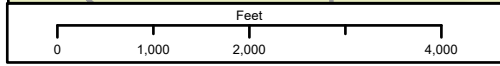


Legend	
	Milepost
	Proposed YM59 Pipeline
	Z20 Replacement Pipeline
	Permanent Access Rd
	Temporary Access Rd
	Project Facility
	Limit of Disturbance
	Historic Site Boundary
	Municipality Boundary
	USGS Topographic Boundary

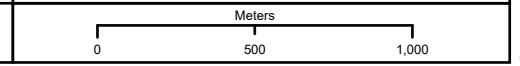
Tioga Pathway Project
Appendix A
Project Location Map (Sheet 7 of 12)
Tioga County, PA

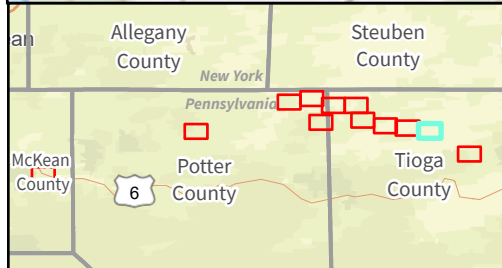
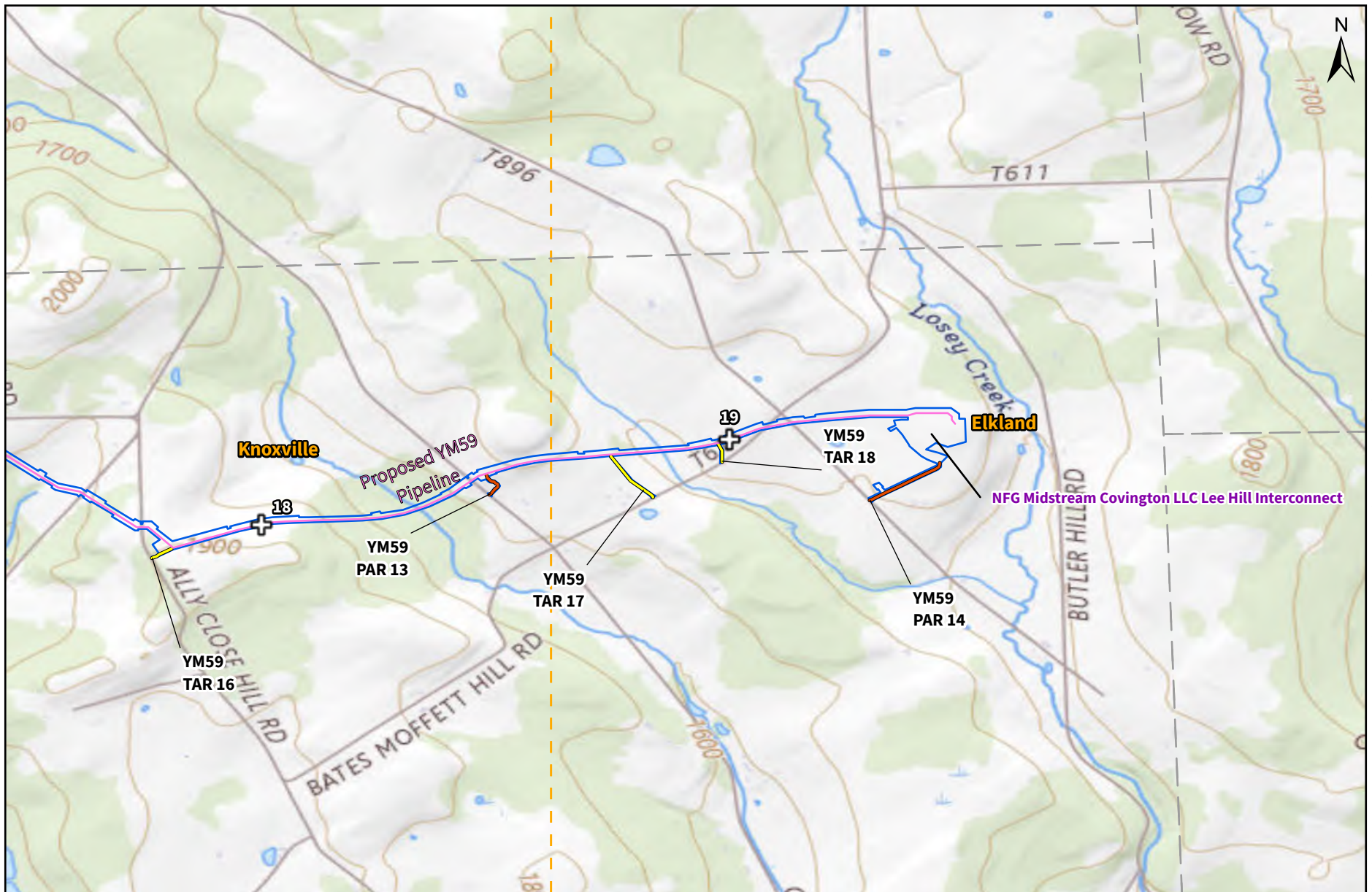
Prepared For: **National Fuel**
Supply Corporation

Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2024)
USGS Quad: Knoxville



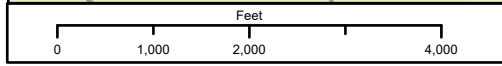


Legend	
	Milepost
	Proposed YM59 Pipeline
	Z20 Replacement Pipeline
	Permanent Access Rd
	Temporary Access Rd
	Project Facility
	Limit of Disturbance
	Municipality Boundary
	USGS Topographic Boundary

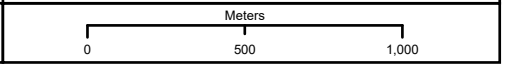
Tioga Pathway Project
Appendix A
Project Location Map (Sheet 8 of 12)
Tioga County, PA

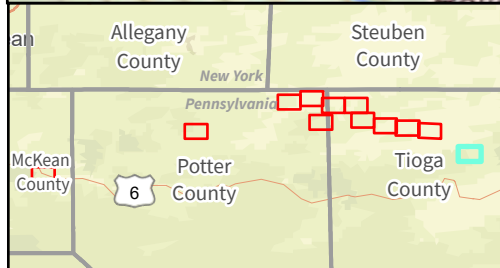
Prepared For: **National Fuel**
Supply Corporation

Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2024)
USGS Quad: Elkland Knoxville



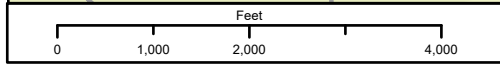


Legend	
	Milepost
	Proposed YM59 Pipeline
	Z20 Replacement Pipeline
	Permanent Access Rd
	Temporary Access Rd
	Project Facility
	Limit of Disturbance
	Municipality Boundary
	USGS Topographic Boundary

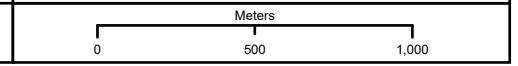
Tioga Pathway Project
Appendix A
Project Location Map (Sheet 9 of 12)
Tioga County, PA

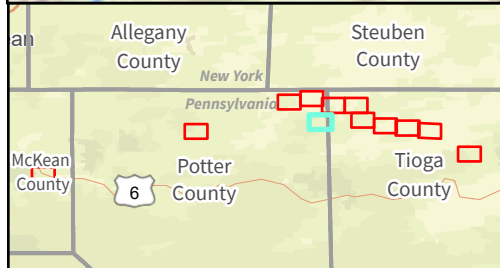
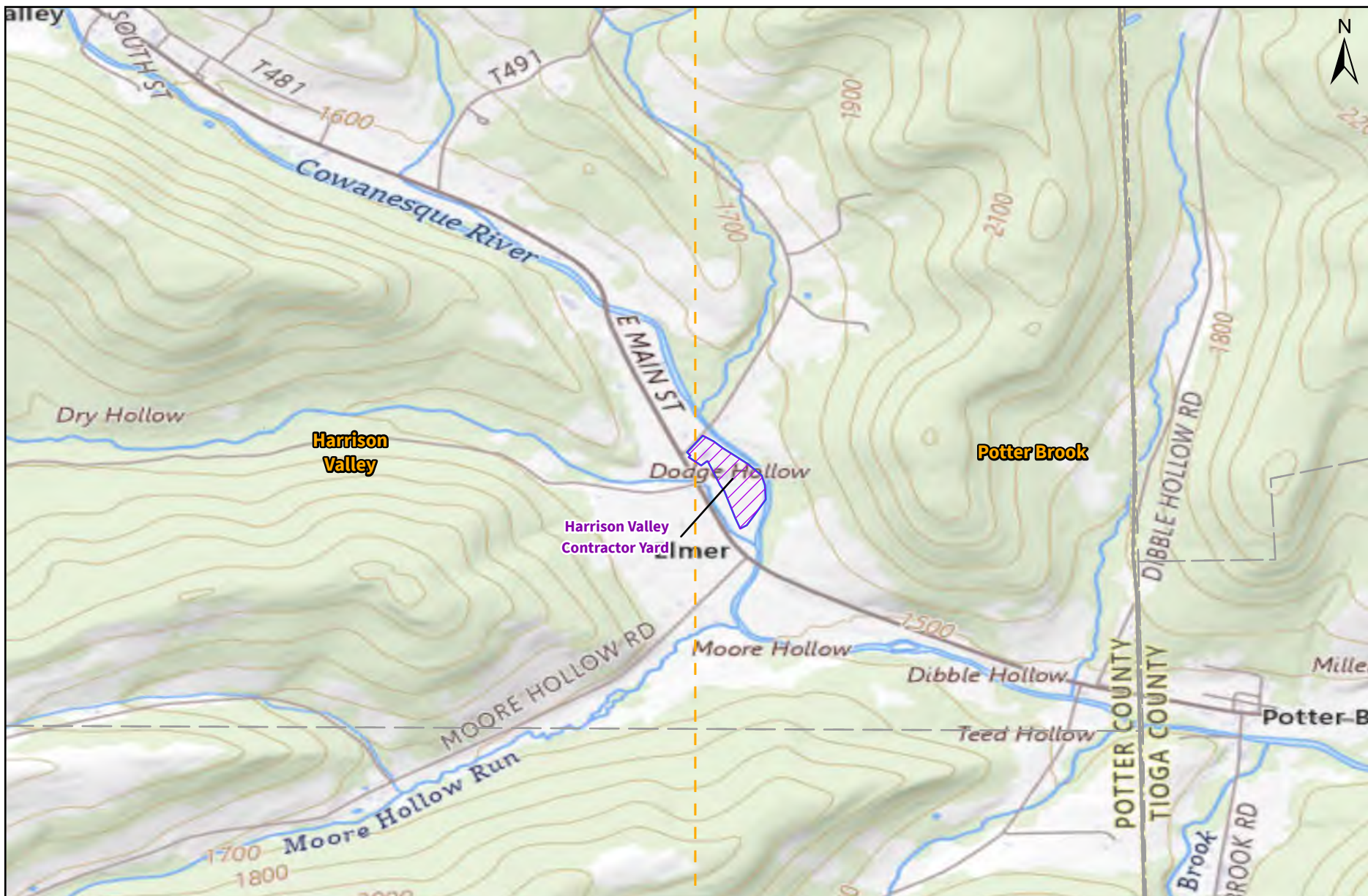
Prepared For: **National Fuel**
Supply Corporation

Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2024)
USGS Quad: Keeneyville



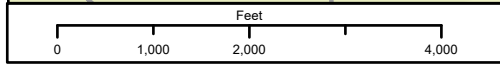


Legend	
	Milepost
	Proposed YM59 Pipeline
	Z20 Replacement Pipeline
	Permanent Access Rd
	Temporary Access Rd
	Project Facility
	Limit of Disturbance
	Municipality Boundary
	USGS Topographic Boundary

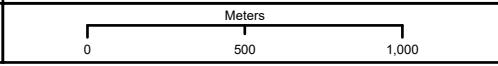
Tioga Pathway Project
Appendix A
Project Location Map (Sheet 10 of 12)
Tioga County, PA

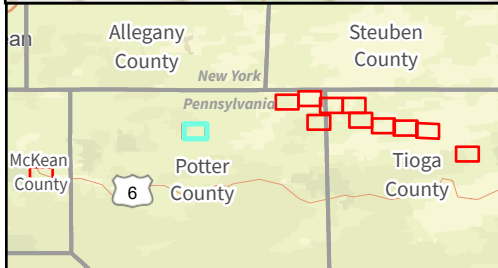
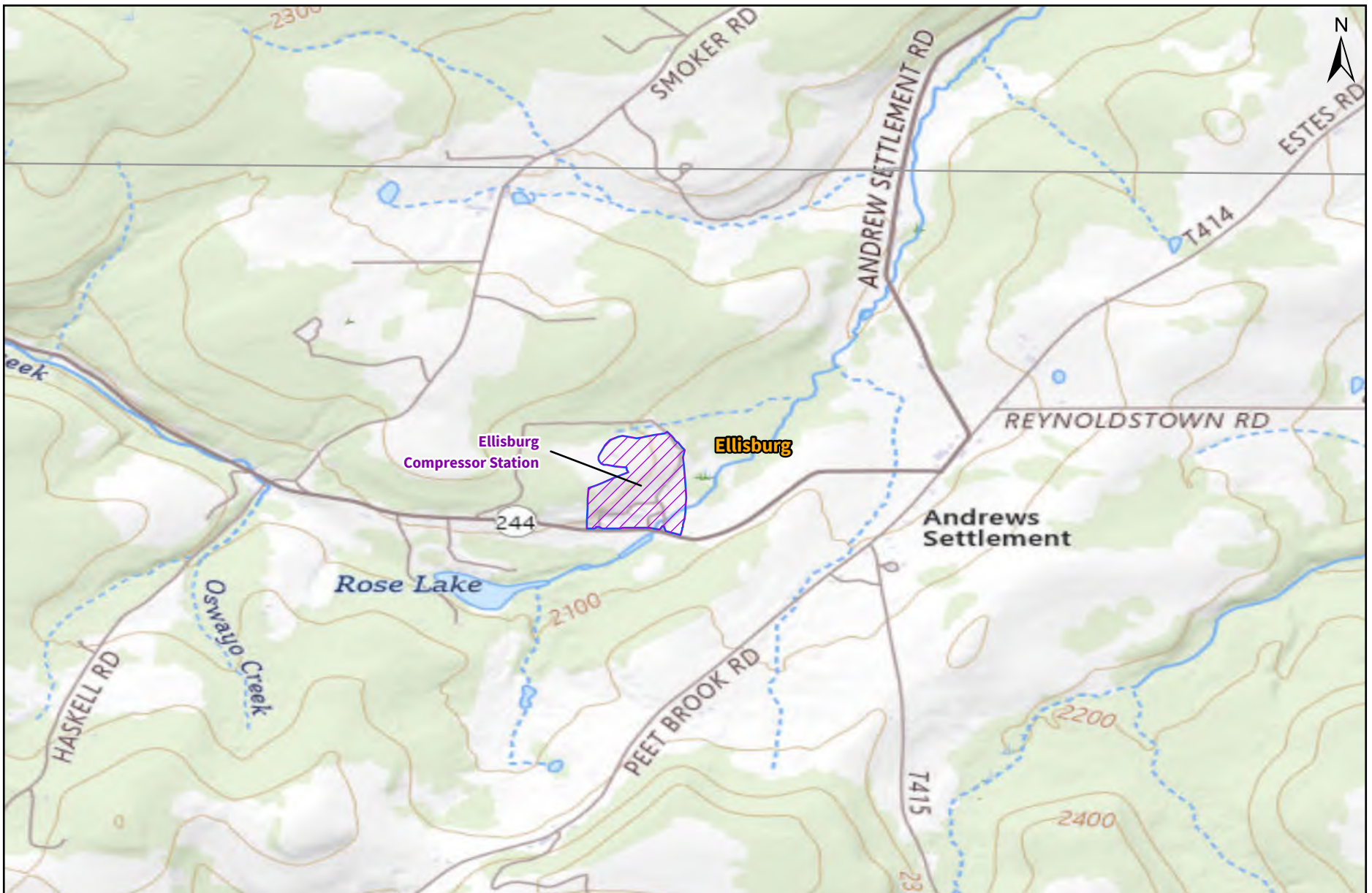
Prepared For:

Prepared By:



Basemap: ESRI, USGS Topographic (2024)
USGS Quad: Harrison Valley Potter Brook





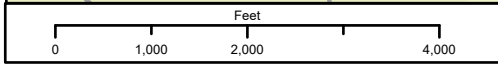
Legend

- Milepost
- Proposed YM59 Pipeline
- Z20 Replacement Pipeline
- Permanent Access Rd
- Temporary Access Rd
- Project Facility
- Limit of Disturbance
- Municipality Boundary
- USGS Topographic Boundary

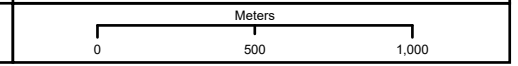
Tioga Pathway Project
Appendix A
Project Location Map (Sheet 11 of 12)
Potter County, PA

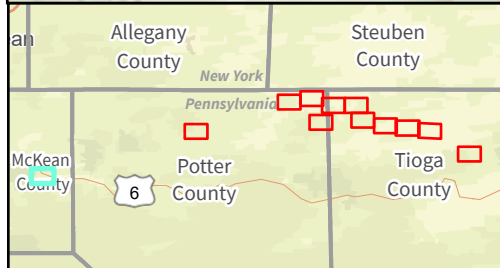
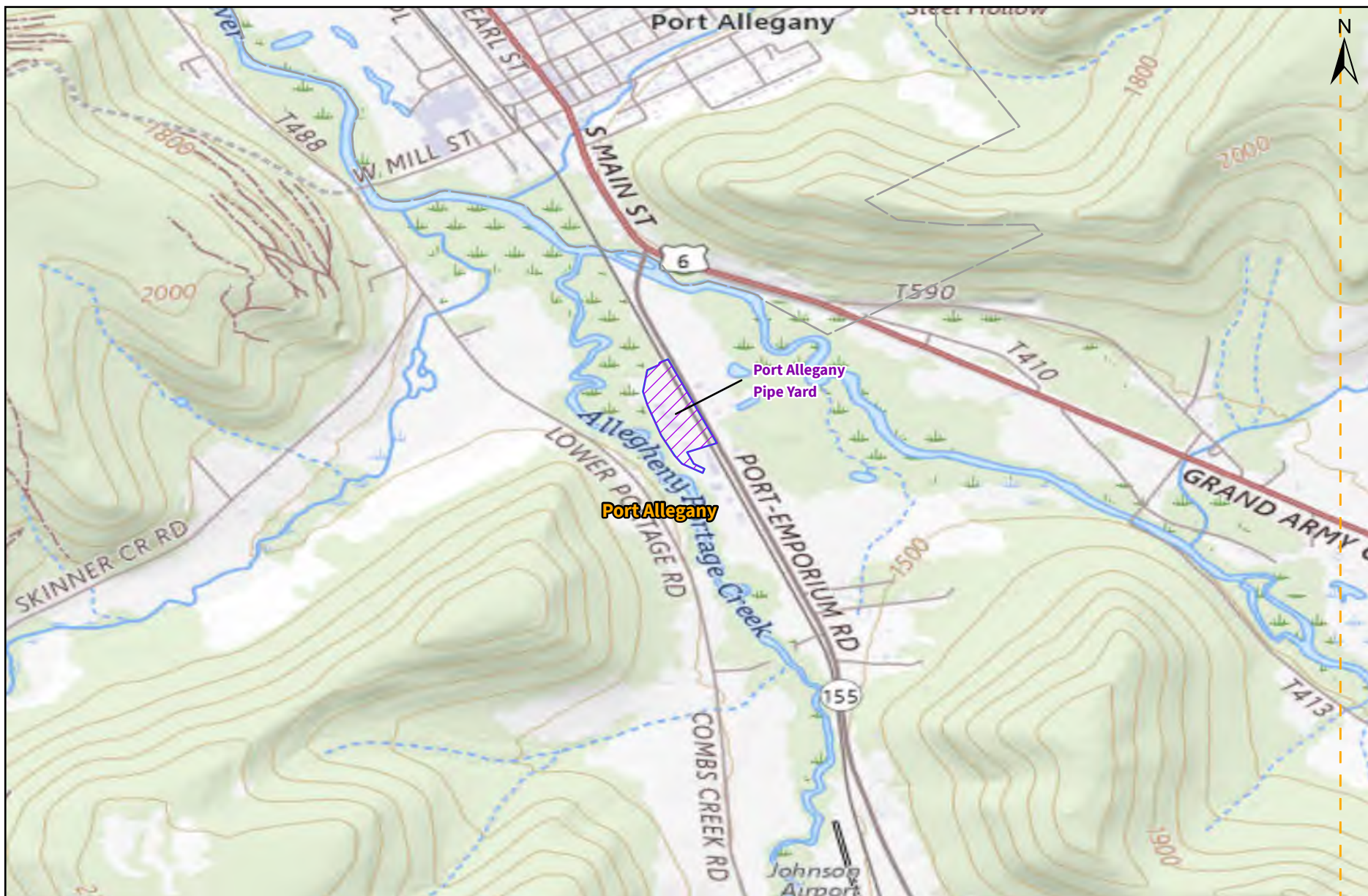
Prepared For: **National Fuel**
Supply Corporation

Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2024)
USGS Quad: Ellisburg



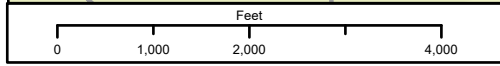


Legend	
	Milepost
	Proposed YM59 Pipeline
	Z20 Replacement Pipeline
	Permanent Access Rd
	Temporary Access Rd
	Project Facility
	Limit of Disturbance
	Municipality Boundary
	USGS Topographic Boundary

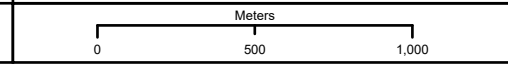
Tioga Pathway Project
Appendix A
Project Location Map (Sheet 12 of 12)
McKean County, PA

Prepared For: **National Fuel**
Supply Corporation

Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2024)
USGS Quad: Port Allegany Roulette





Pennsylvania State Historic Preservation Office

PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION

March 14, 2024

Sent Via PA-SHARE

RE: ER Project # 2023PR06059.003, Tioga Pathway Project , Federal Energy Regulatory Commission, Deerfield Township, Tioga County

Dear Submitter,

Thank you for submitting information concerning the above referenced project. The Pennsylvania State Historic Preservation Office (PA SHPO) reviews projects in accordance with state and federal laws. Section 106 of the National Historic Preservation Act of 1966, and the implementing regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, is the primary federal legislation. The Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988) is the primary state legislation. These laws include consideration of the project's potential effects on both historic and archaeological resources.

Sincerely,

Emma Diehl
Environmental Review Division Manager



December 21, 2023

Sent Via PA-SHARE

RE: ER Project # 2023PR06059.001, Tioga Pathway Project , Federal Energy Regulatory Commission, Deerfield Township, Tioga County

Dear Submitter,

Thank you for submitting information concerning the above referenced project. The Pennsylvania State Historic Preservation Office (PA SHPO) reviews projects in accordance with state and federal laws. Section 106 of the National Historic Preservation Act of 1966, and the implementing regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, is the primary federal legislation. The Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988) is the primary state legislation. These laws include consideration of the project's potential effects on both historic and archaeological resources.

Above Ground Resources

No Above Ground Concerns - Environmental Review - No Effect - Above Ground

Based on the information received and available within our files, it is our opinion that the proposed project will have No Effect on above ground historic properties, including historic buildings, districts, structures, and/or objects, should they exist. Should the scope of the project change and/or should you be made aware of historic property concerns, you will need to reinitiate consultation with our office using PA-SHARE.

For questions concerning above ground resources, please contact Emma Diehl at emdiehl@pa.gov.

Archaeological Resources

More Information Requested - Environmental Review - More Info Archaeological - High Prob

Based on an evaluation by our staff, there is a high probability that National Register-eligible archaeological sites are present within this project area. These sites could be adversely affected by project activities. Our review considers the locations of known archaeological resources, the Statewide Pre-Contact Predictive Model, soil type, topographic setting, slope direction and distance to water, among other regionally specific predictive factors for archaeological site locations. It is our opinion that a Phase I archaeological survey should be conducted to locate potentially significant resources. We recommend that this Phase I investigation include a geomorphological survey in areas with the potential for deeply buried archaeological sites. Guidelines and instructions for conducting all phases of archaeological survey in Pennsylvania are available on our website:

<https://www.phmc.pa.gov/Preservation/About/Documents/Guidelines%20for%20Archaeological%20>

More Information Requested - New Survey

Please use this request for information to enter survey details, add any identified archaeological resources, and upload the Phase I archaeological survey report. Please submit the requested materials to the PA SHPO through PA-SHARE using the link under SHPO Requests More Information on the Response screen.

For questions concerning archaeological resources, please contact Justin McKeel at jusmckeel@pa.gov.

Sincerely,



Emma Diehl
Environmental Review Division Manager



December 20, 2023

Submitted Electronically via PA-SHARE

Ms. Andrea MacDonald
Pennsylvania State Historic Preservation Office
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, Pennsylvania 17120-0093

**Reference: National Fuel Gas Supply Corporation
Tioga Pathway Project
Harrison Township, Potter County and
Brookfield, Westfield, Deerfield, and Chatham Townships, Tioga County, Pennsylvania**

Dear Ms. MacDonald:

On behalf of National Fuel Gas Supply Corporation (National Fuel), Tetra Tech, Inc. (Tetra Tech) is submitting project information regarding the proposed Tioga Pathway Project (Project), a natural gas pipeline project in Potter and Tioga Counties, Pennsylvania. National Fuel wishes to initiate consultation pursuant to the requirements under the National Historic Preservation Act of 1966 (NHPA), as amended, Executive Order 11593, and the regulations of the Advisory Council on Historic Preservation (36 Code of Federal Regulations [CFR] 800).

National Fuel is preparing to submit an application to the Federal Energy Regulatory Commission (FERC) for a Certificate of Public Convenience and Necessity (Certificate) to replace approximately 4.1 miles of 20-inch-diameter steel pipeline and install approximately 19.3 miles of 16-inch-diameter steel pipeline in Harrison Township, Potter County and Brookfield, Westfield, Deerfield, and Chatham Townships in Tioga County, Pennsylvania. Construction workspace or Limits of Disturbance (LOD) including additional temporary workspace areas and reduced LOD widths at resource crossings, has not yet been finalized; however, assuming a standard construction LOD width of 75 feet for the entire length of the Project, approximately 214 acres will be impacted by the Project. Additional temporary workspace will be utilized at specific locations, such as at stream and road crossings (for specialized construction techniques) and in agricultural areas (to allow for topsoil segregation). The pipeline is proposed to be installed mostly via open trench excavation methods. Additionally, the existing Z20 pipeline will be replaced (by removal, or abandoned in place where necessary). A new over-pressure-protection (OPP) station will be constructed where the new 16-inch-diameter pipeline begins and a cathodic protection groundbed will be installed for corrosion control, at a location to be determined.

To support construction of the Project, National Fuel estimates that up to approximately 15 miles of temporary access roads and three previously utilized staging areas will be used to store materials and equipment, totaling approximately 35 acres. Construction activities (including grading, trench excavation, pipeline removal and installation, and backfilling in streams, wetlands, and upland areas) is proposed to commence in 2026. The LOD is equivalent to the direct Area of Potential Effects (APE).

In December 2023, Tetra Tech conducted a preliminary background review and site files search on the Pennsylvania State Historic & Archaeological Resource Exchange (PA-SHARE). Research for the Project was conducted to identify previously recorded historic properties, archaeological sites, and previously surveyed areas within the proposed Project areas described above. No National Register listed or eligible properties were identified within the

proposed Project or within 1.0 mile of the Project. There are also no previously recorded archaeological resources within or adjacent to the proposed Project and no archaeological sites within 1.0 mile of the Project.

Site file research for the Project using PA-SHARE identified two previously recorded historic resources within or adjacent to the proposed Project. There are a total of 22 properties within 1.0 mile of the Project (Table 1).

Table 1. Previously Recorded Historic Properties within 1.0 Mile

ID Number	Address	Type (Year)	NRHP Status	Approx. Distance from Project (ft)
2004RE00234	SR 4003, 0.75 mile SE of Westfield Township	Bridge (1952)	Not Eligible	2,905 ft SW
2004RE03211	SR 49, 0.5 mile east of Westfield Township	Bridge (1925)	Not Eligible	2,401 ft W
2004RE03212	SR 4007 in Westfield Township	Bridge (1936)	Not Eligible	1,866 ft SW
2004RE06134	SR 4017, 2.5 miles north of Shortsville	Bridge (1946)	Not Eligible	4,374 ft SE
2004RE08021	SR 49, 1.5 miles NE of Westfield Township	Bridge (1925)	Not Eligible	3,029 ft E
2004RE09394	SR 49, 0.5 mile west of Westfield Township	Building (1948)	Not Eligible	2,847 ft W
2010RE00553	SR 49 in Westfield Township	Building (no data)	Undetermined	3,440 E
2010RE01629	SR 49 in Westfield Township	Building (no data)	Undetermined	5,289 ft NE
2010RE04189	SR 49 in Westfield Township	Building (no data)	Undetermined	3,420 ft NE
2010RE04190	SR 49 in Westfield Township	Building (1860 – 1870s)	Undetermined	2,583 ft NE
2016RE00209	891 Harrison Fox Hill Road	Building (1870 – circa)	Undetermined	4,011 ft SW
2016RE00297	1341 Harrison Fox Hill Road	Building (1920 – circa)	Undetermined	2,200 ft SW
2016RE00549	1240 Harrison Fox Hill Road	Building (1920 – circa)	Undetermined	2,892 ft SW
1995RE46012	Kibbe Hill Road	Building (1850 – circa)	Undetermined	579 ft E
2014RE00719	720 Kibbe Hill Rd.	building/barn (1900 – circa)	Not Eligible	440 ft SE
2016RE00296	360 McCutcheon Road	Building (1920 – circa)	Undetermined	2,627 ft S
2016RE00975	661 McCutcheon Road	Building (1940 – circa)	Undetermined	Within Line
2016RE01883	1430 Whites Corner Road	Building (1965 – circa)	Undetermined	1,249 ft N

ID Number	Address	Type (Year)	NRHP Status	Approx. Distance from Project (ft)
2016RE01177	750 Woodward Road	Building (1900 – circa)	Undetermined	1,439 ft N
2016RE01582	1280 State Road	Building (1920 – circa)	Undetermined	3,823 ft S
2016RE00680	State Road	Cemetery (1842 – circa)	Undetermined	1,821 ft S
2016RE00658	2151 State Road	Building (1890 – circa)	Undetermined	Within Line

Preliminary review indicated that portions of the Project have been previously surveyed by four cultural resource investigations, which cross portions of the proposed Project LOD (Table 2)

Table 2. Previous Surveys within 1.0 Mile.

SHPO Project Number	Report	Firm
1987PR03920	Phase I Archaeological Survey, Gas Pipeline LN-12, Potter and Tioga counties, PA / FERC	NPA Consultants, Inc.
2011SR00309	Negative Survey Form, Brookfield Pipeline Project, 6 Miles from Westfield to Harrison Valley, Tioga and Potter Counties; USACE	GAI Consultants, Inc.
2019PR03920	Proposed Action for Modification of Duke Military Operations Airspace (ED)	No info.
2023PR01958	Proposed ATV Signage/Blazing	No info.

In regard to National Fuel’s FERC filing and FERC’s National Environmental Policy Act review process, National Fuel has requested Tetra Tech to initiate consultation with the PA-SHPO. We appreciate your review of this request.

If you have any questions regarding this correspondence or require additional Project information, then please contact me at 716-541-9226 or via email at rob.peltier@tetrattech.com, or alternatively, you can contact Lauren McMillan at National Fuel at 814-871-8195 or via email at McMillanL@natfuel.com. I appreciate your assistance and thank you for your attention to this request.

Respectfully submitted,

Tetra Tech, Inc.



Rob Peltier
Cultural Resources Project Manager

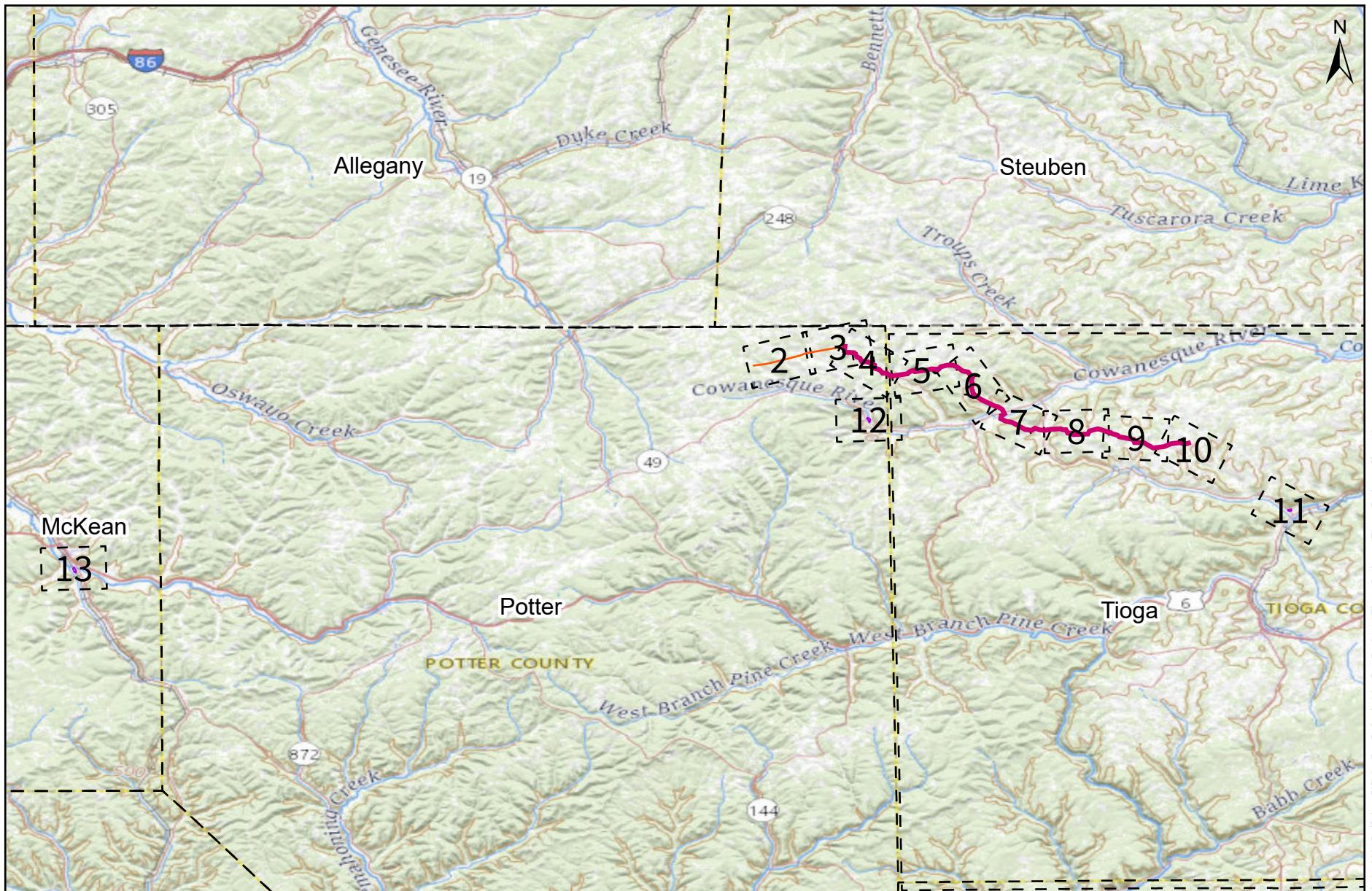
Pennsylvania State Historic Preservation Office

December 20, 2023

Page 4

cc: Lauren McMillan, National Fuel
Sandy Lare, Tetra Tech

Enclosure: Figure 1. USGS Map Showing Project Components



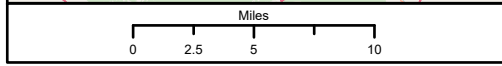
Legend

- Potential Access Road
- Contractor/Pipe Yard
- Proposed New Pipeline
- Existing Z20 Pipeline to be Replaced

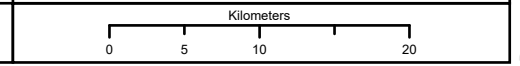
Figure 1
 USGS Project Location
 Tioga Pathway Project
 Sheet 1 of 13
 Key Sheet for Potter & Tioga County, Pennsylvania

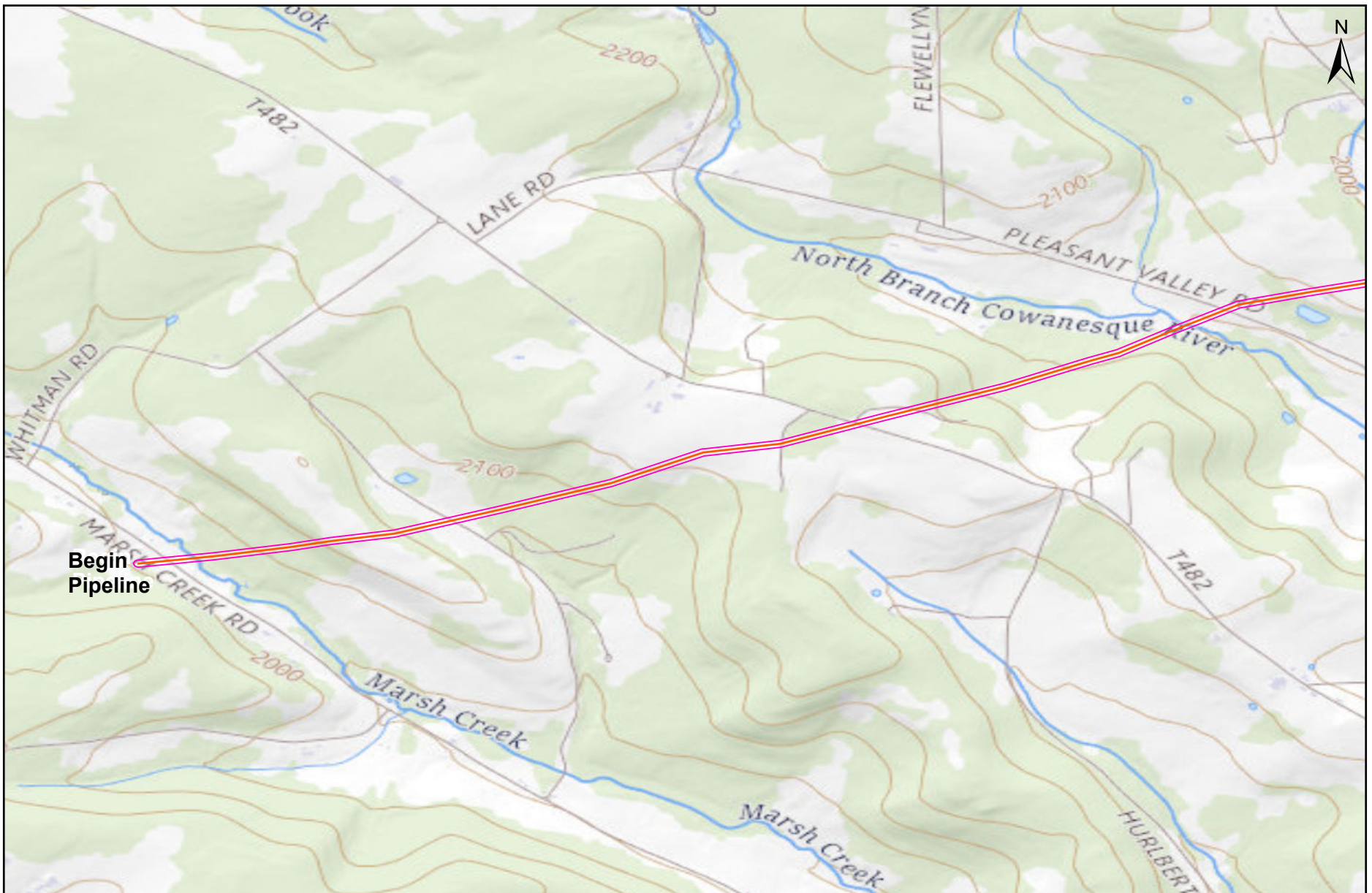
Prepared For: **National Fuel**
 Supply Corporation

Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2023)
 USGA Quads: Harrison Valley, Knoxville, Potter Brook, Elkland





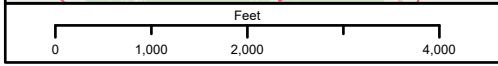
Legend

- Survey Area
- Existing Z20 Pipeline to be Replaced

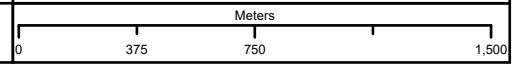
Figure 1
 USGS Project Location
 Tioga Pathway Project
 Sheet 2 of 13
 Potter County, Pennsylvania

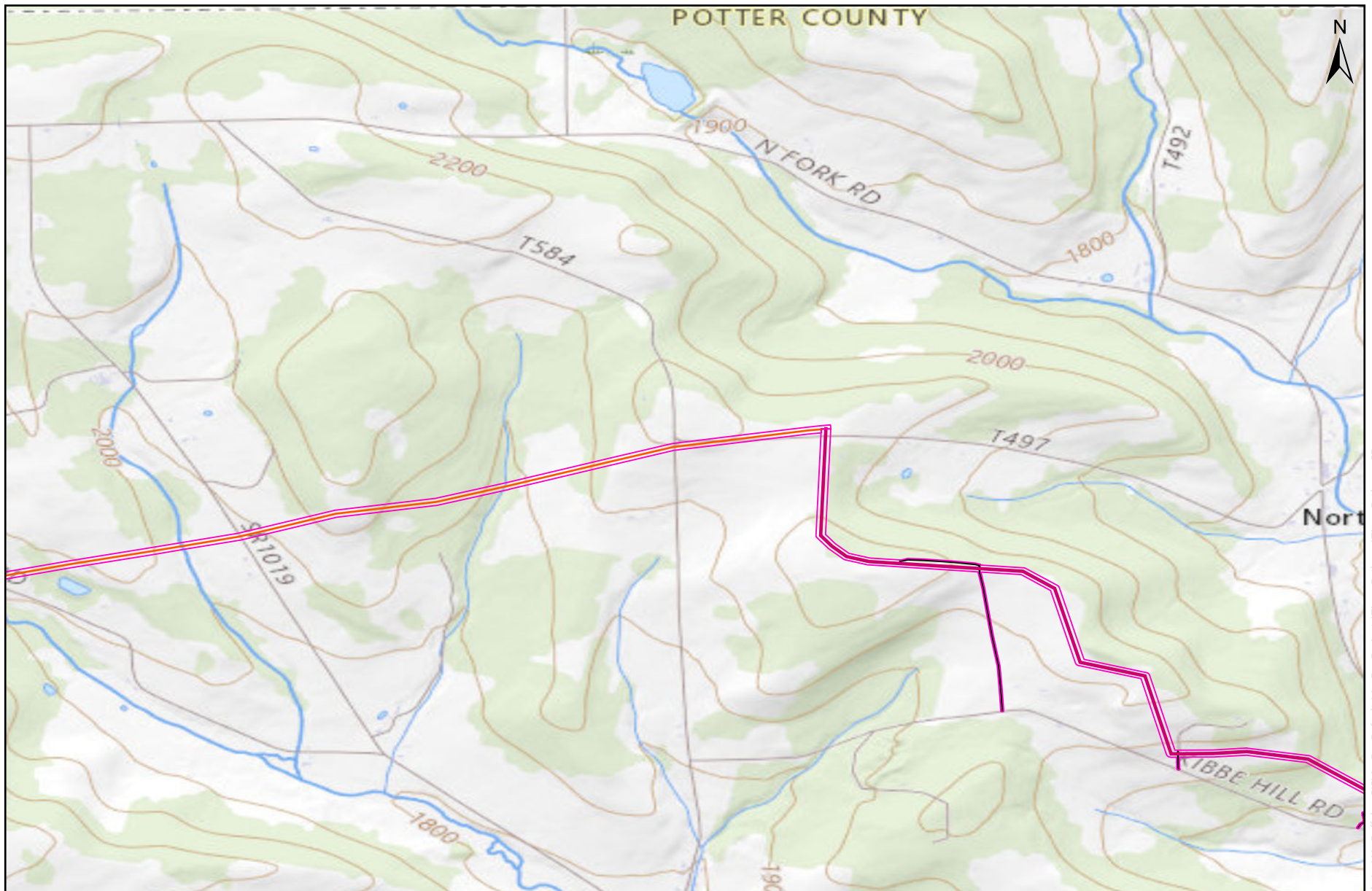
Prepared For: **National Fuel**
 Supply Corporation

Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2023)
 USGA Quads: Harrison Valley, Knoxville, Potter Brook, Elkland





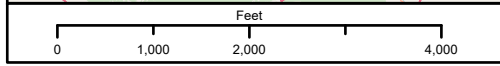
Legend

- Survey Area
- Proposed New Pipeline
- Existing Z20 Pipeline to be Replaced
- Potential Access Road

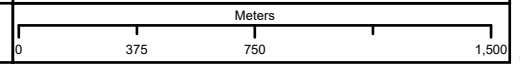
Figure 1
USGS Project Location
Tioga Pathway Project
Sheet 3 of 13
Potter County, Pennsylvania

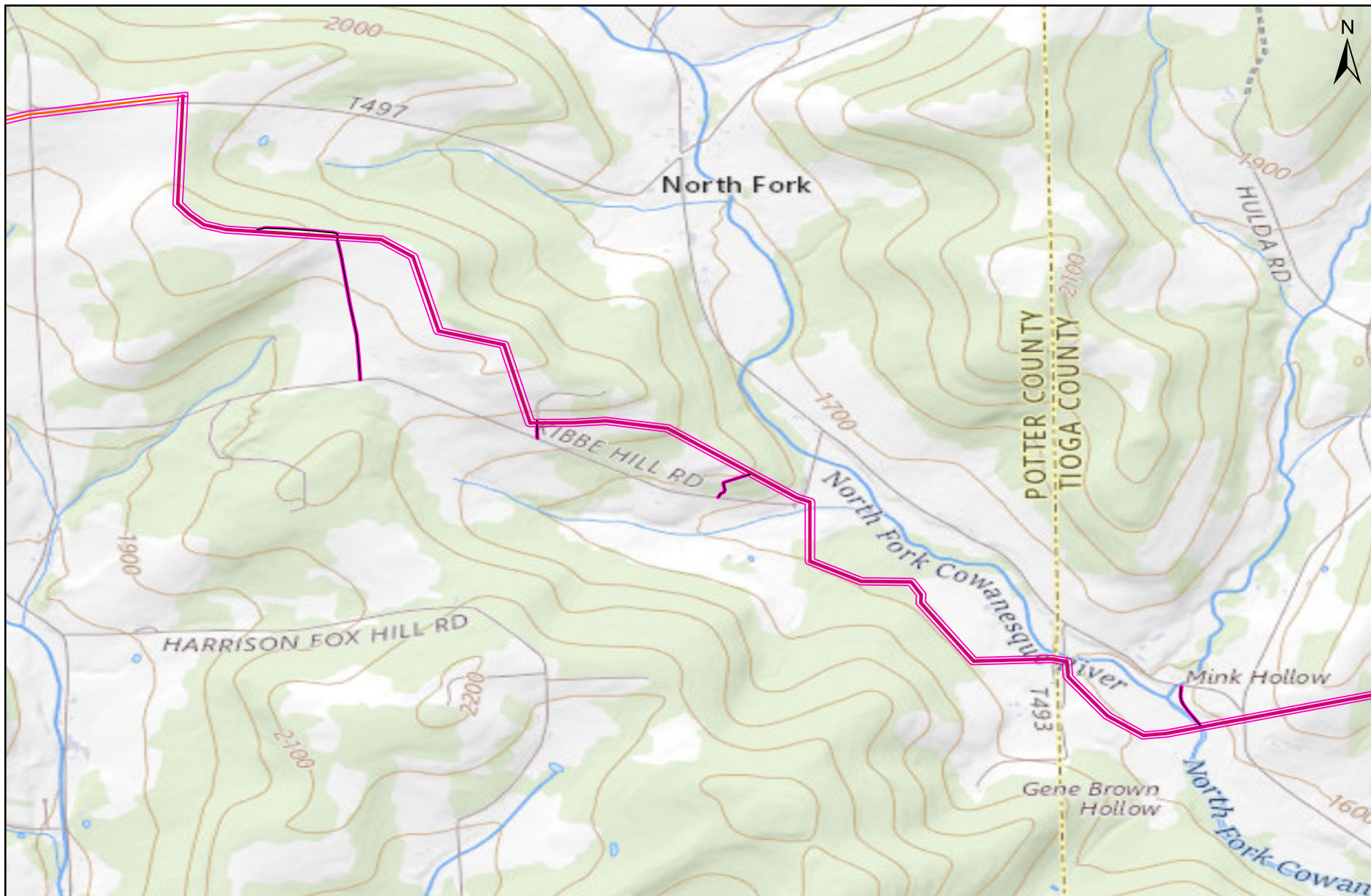
Prepared For: **National Fuel**
Supply Corporation

Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2023)
USGA Quads: Harrison Valley, Knoxville, Potter Brook, Elkland





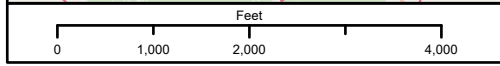
Legend

- Survey Area
- Proposed New Pipeline
- Existing Z20 Pipeline to be Replaced
- Potential Access Road

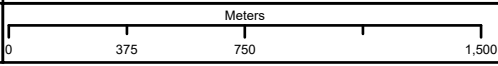
Figure 1
USGS Project Location
Tioga Pathway Project
Sheet 4 of 13
Potter and Tioga County, Pennsylvania

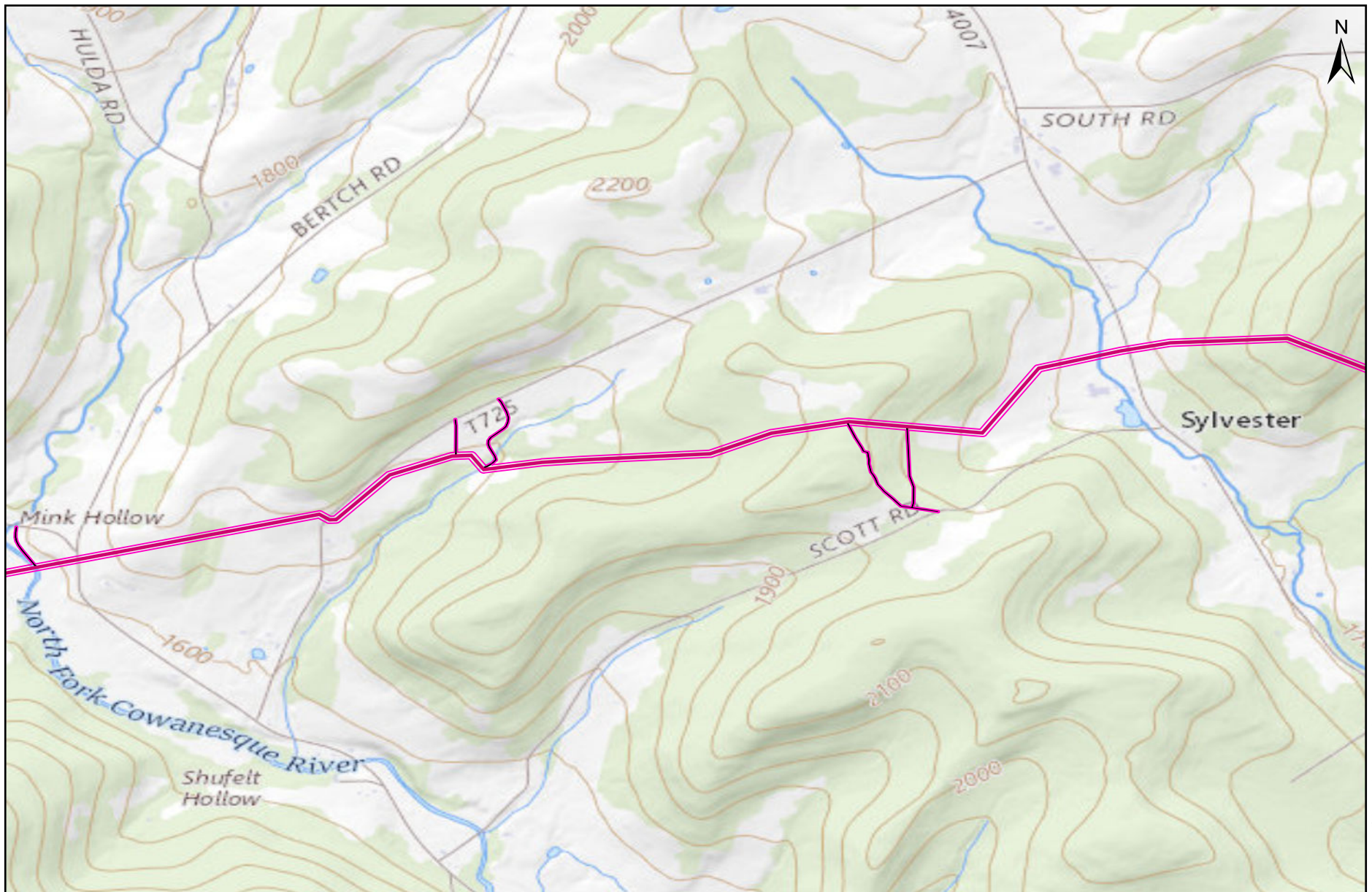
Prepared For: **National Fuel**
Supply Corporation

Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2023)
USGA Quads: Harrison Valley, Knoxville, Potter Brook, Elkland





Legend




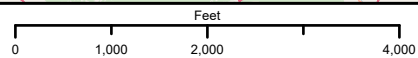
-  Survey Area
-  Proposed New Pipeline
-  Potential Access Road

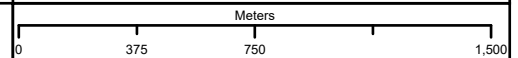
Figure 1
 USGS Project Location
 Tioga Pathway Project
 Sheet 5 of 13
 Tioga County, Pennsylvania

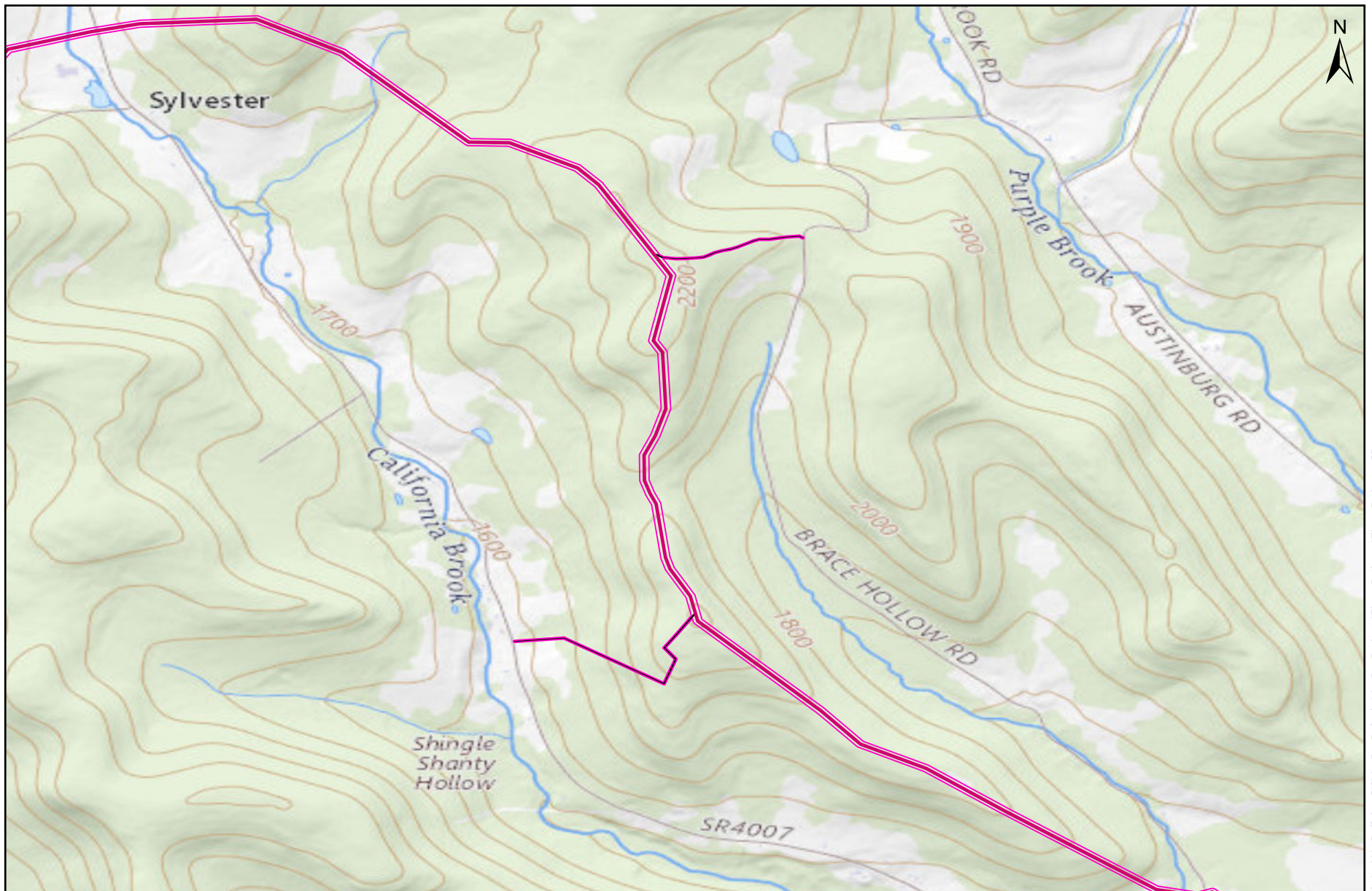
Prepared For: 

Prepared By:

Basemap: ESRI, USGS Topographic (2023)
 USGA Quads: Harrison Valley, Knoxville, Potter Brook, Elkland





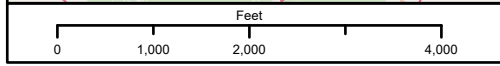
Legend

- Survey Area
- Proposed New Pipeline
- Potential Access Road

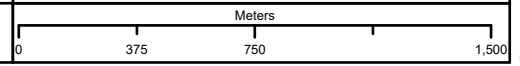
Figure 1
USGS Project Location
Tioga Pathway Project
Sheet 6 of 13
Tioga County, Pennsylvania

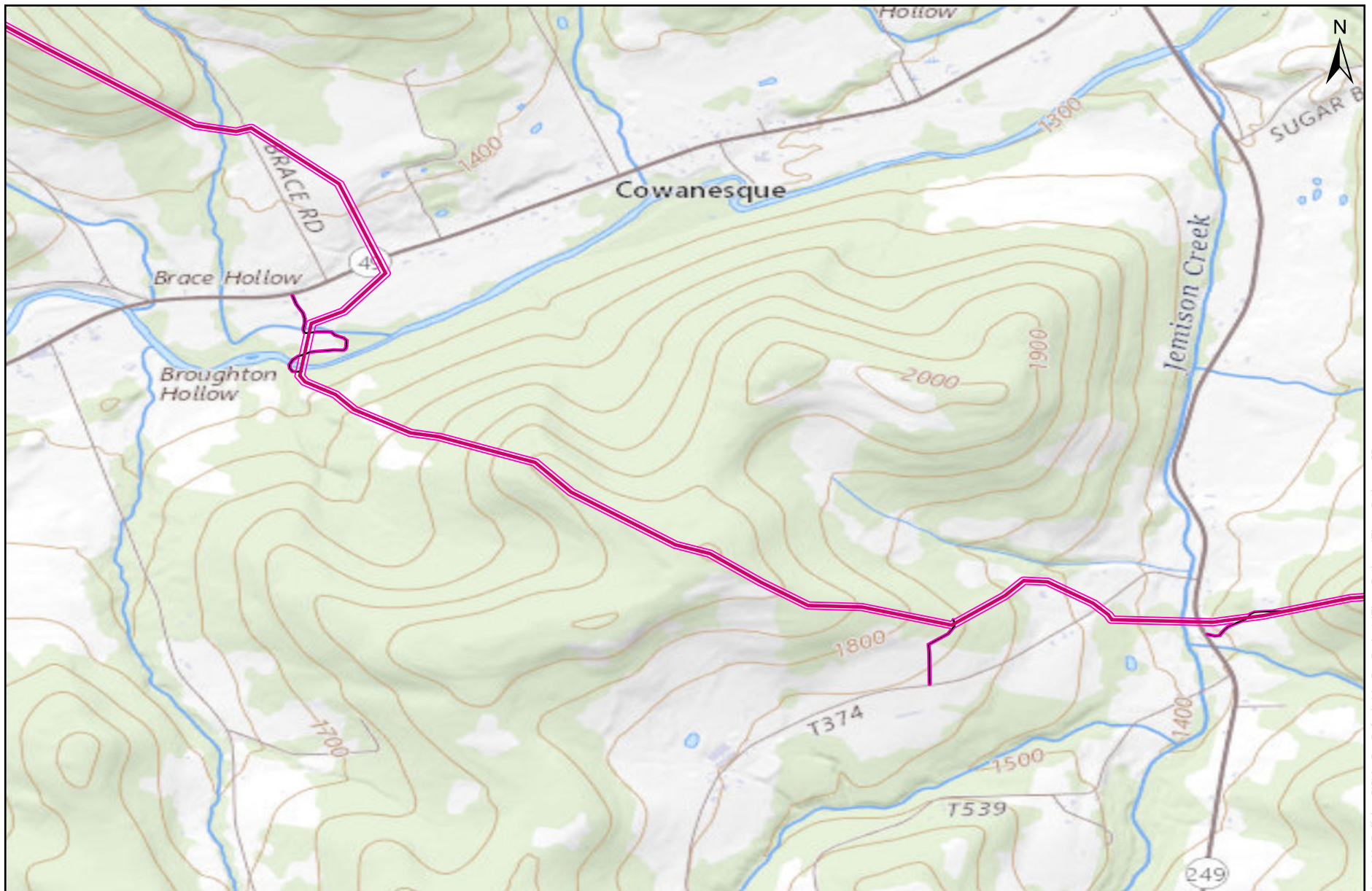
Prepared For: **National Fuel**
Supply Corporation

Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2023)
USGA Quads: Harrison Valley, Knoxville, Potter Brook, Elkland





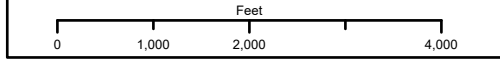
Legend

- Survey Area
- Proposed New Pipeline
- Potential Access Road

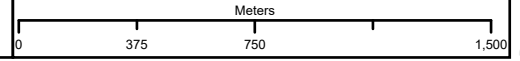
Figure 1
 USGS Project Location
 Tioga Pathway Project
 Sheet 7 of 13
 Tioga County, Pennsylvania

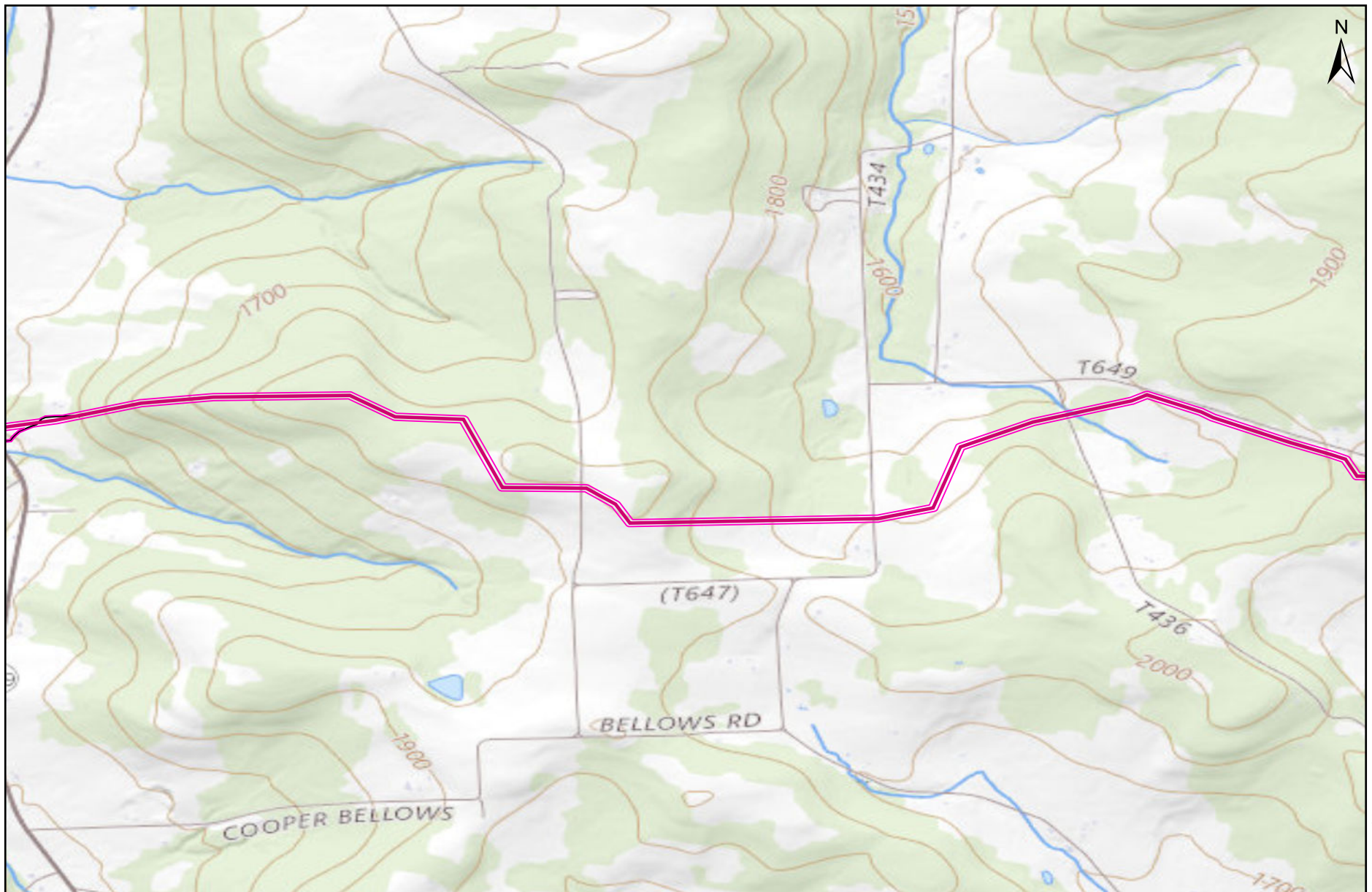
Prepared For: **National Fuel**
 Supply Corporation

Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2023)
 USGA Quads: Harrison Valley, Knoxville, Potter Brook, Elkland





Legend




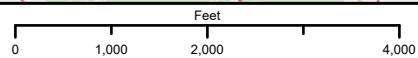
-  Survey Area
-  Proposed New Pipeline
-  Potential Access Road

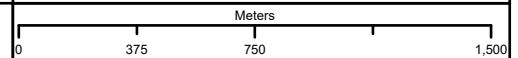
Figure 1
 USGS Project Location
 Tioga Pathway Project
 Sheet 8 of 13
 Tioga County, Pennsylvania

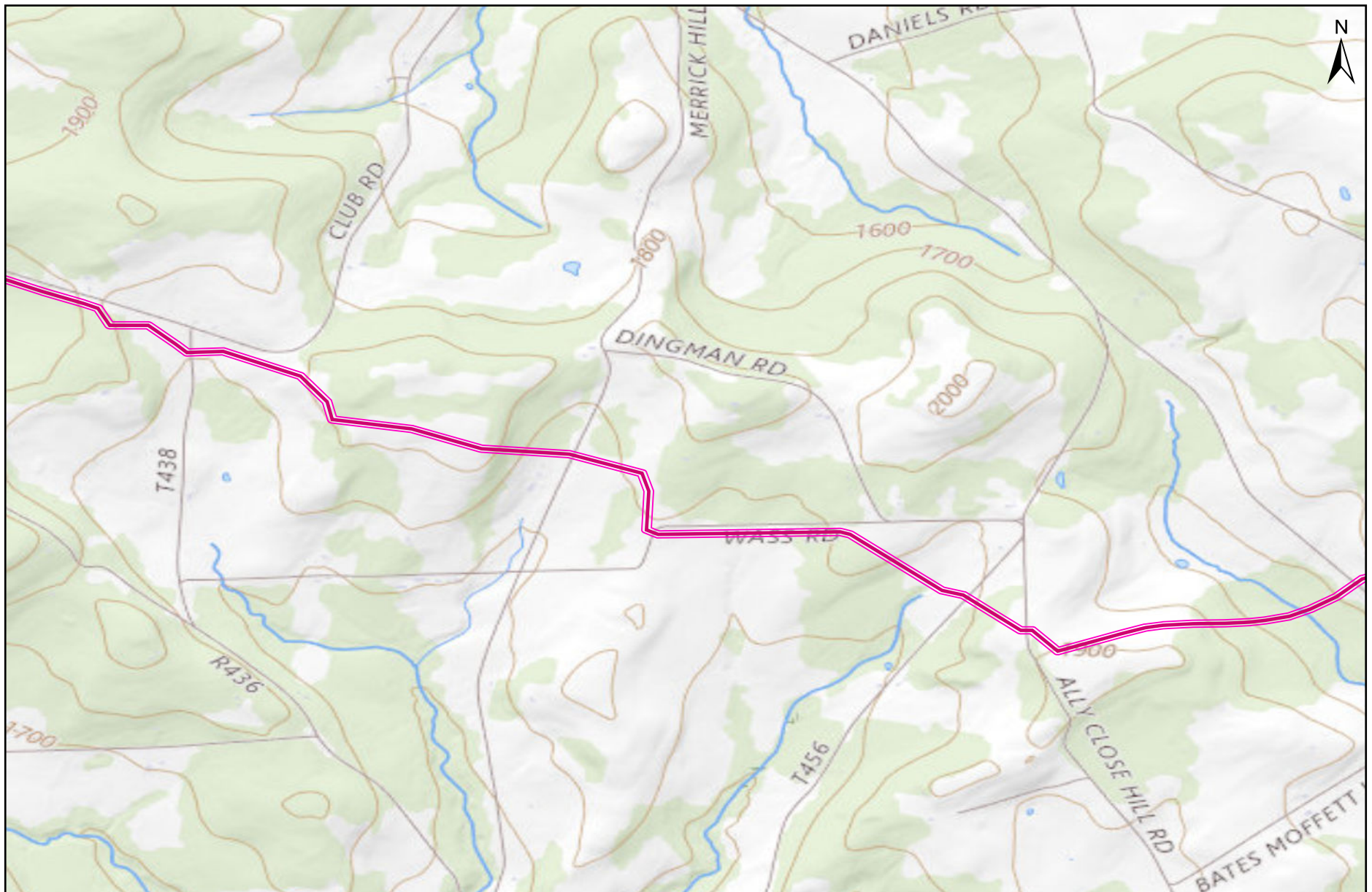
Prepared For: 

Prepared By: 



Basemap: ESRI, USGS Topographic (2023)
 USGA Quads: Harrison Valley, Knoxville, Potter Brook, Elkland





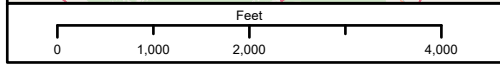
Legend

- Survey Area
- Proposed New Pipeline

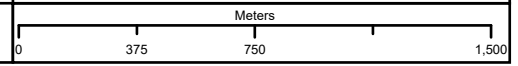
Figure 1
 USGS Project Location
 Tioga Pathway Project
 Sheet 9 of 13
 Tioga County, Pennsylvania

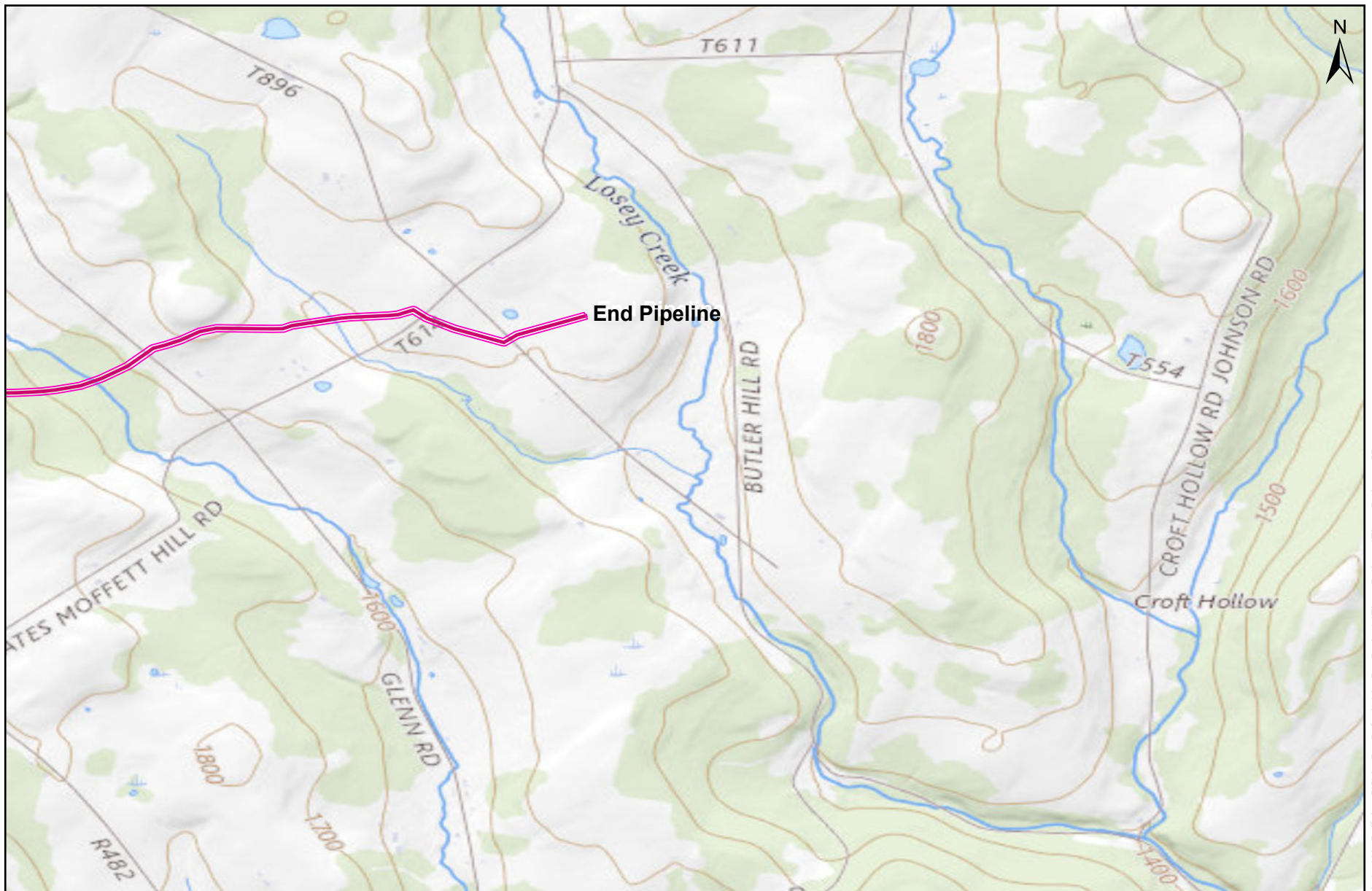
Prepared For: **National Fuel**
 Supply Corporation

Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2023)
 USGA Quads: Harrison Valley, Knoxville, Potter Brook, Elkland





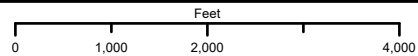
Legend

- Survey Area
- Proposed New Pipeline

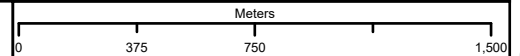
Figure 1
 USGS Project Location
 Tioga Pathway Project
 Sheet 10 of 13
 Tioga County, Pennsylvania

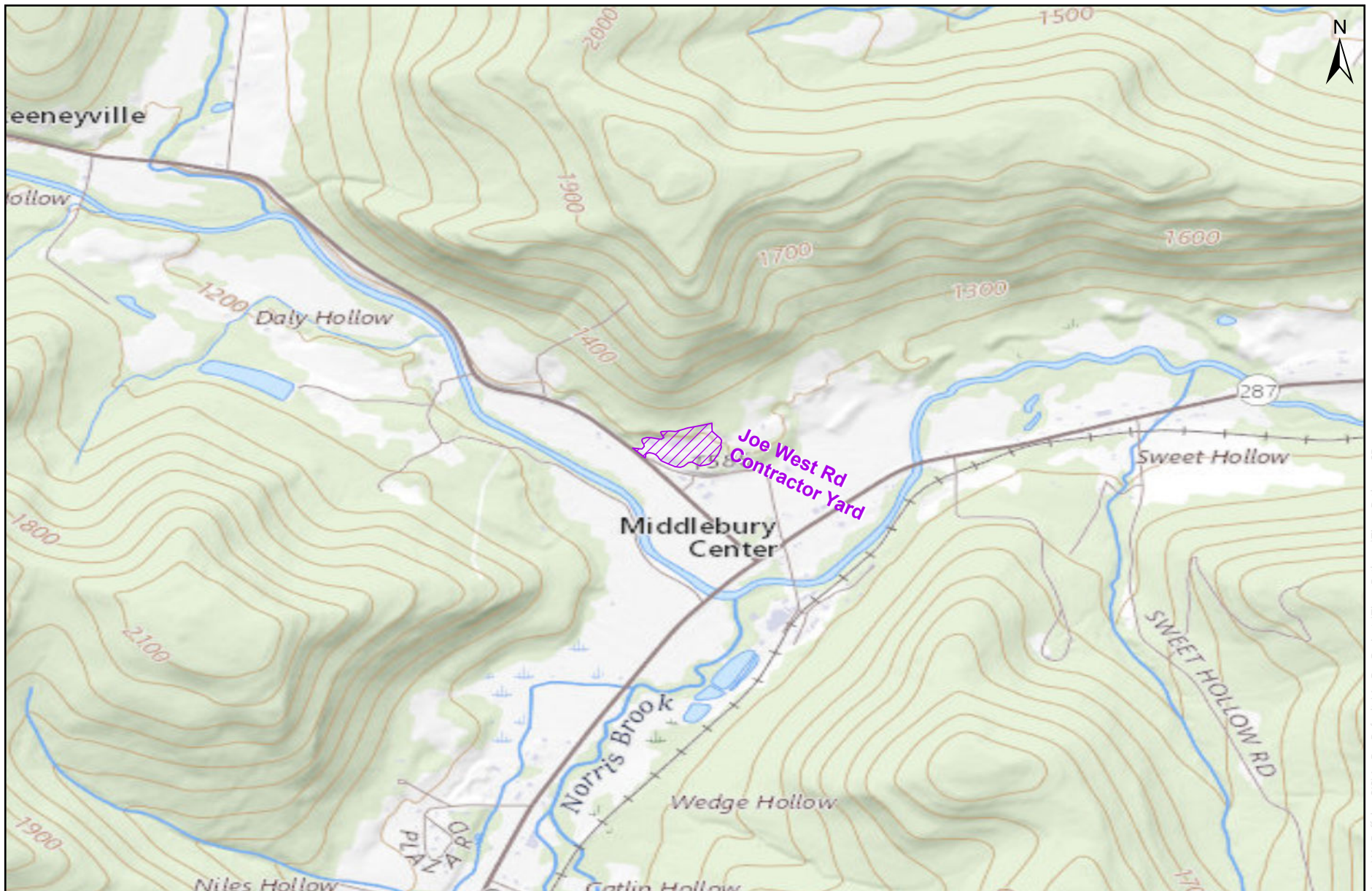
Prepared For: **National Fuel**
 Supply Corporation

Prepared By:
TETRA TECH



Basemap: ESRI, USGS Topographic (2023)
 USGA Quads: Harrison Valley, Knoxville, Potter Brook, Elkland





Legend


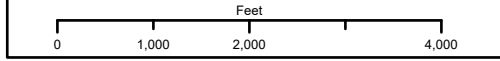
 Contractor/Pipe Yard

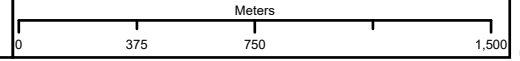
Figure 1
 USGS Project Location
 Tioga Pathway Project
 Sheet 11 of 13
 Tioga County, Pennsylvania

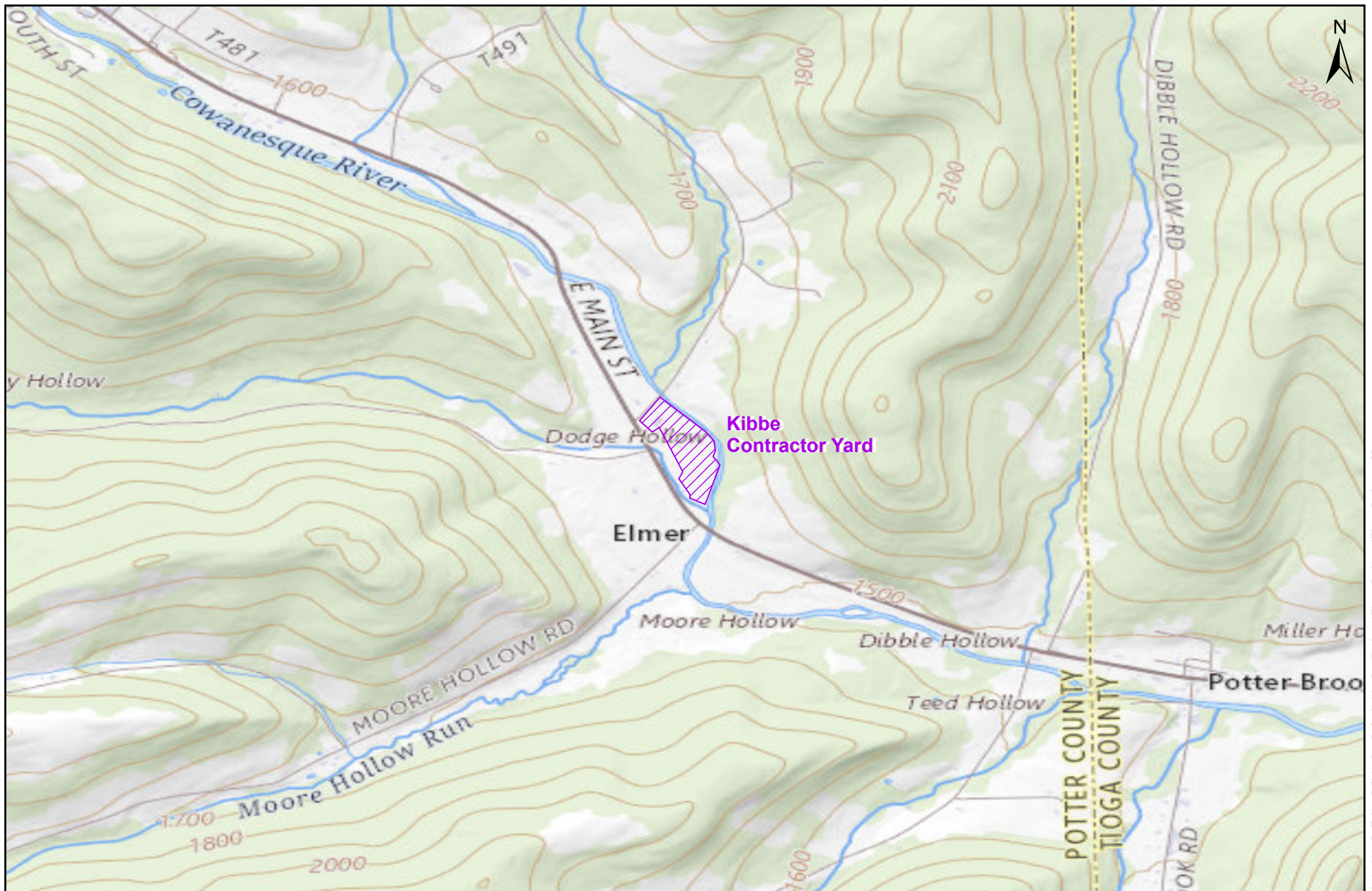
Prepared For: 

Prepared By: 



Basemap: ESRI, USGS Topographic (2023)
 USGA Quads: Harrison Valley, Knoxville, Potter Brook, Elkland





Legend


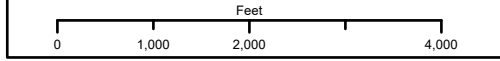
 Contractor/Pipe Yard

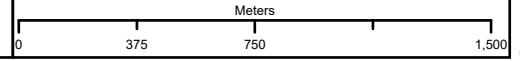
Figure 1
USGS Project Location
Tioga Pathway Project
Sheet 12 of 13
Potter County, Pennsylvania

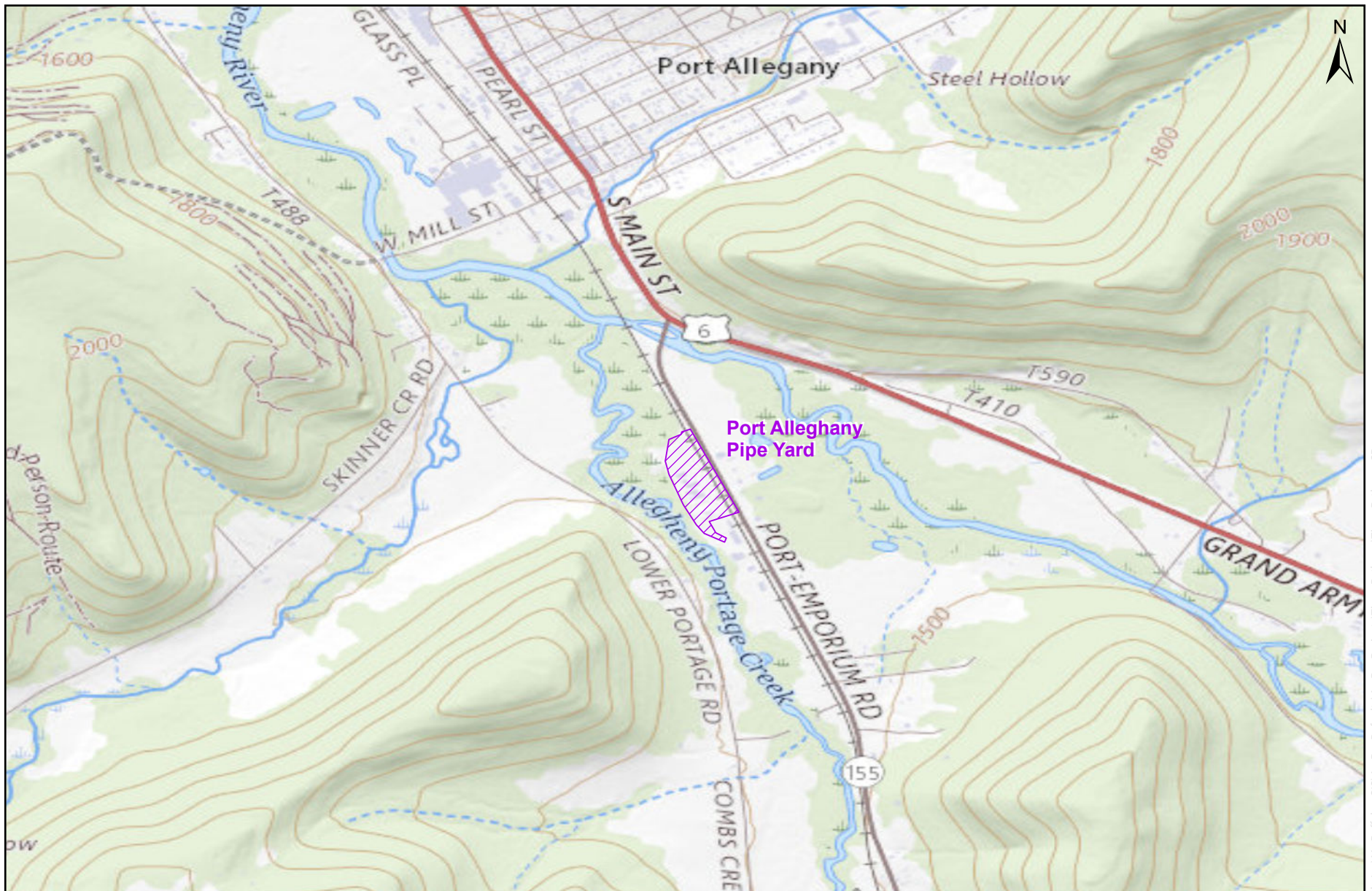
Prepared For: 

Prepared By: 



Basemap: ESRI, USGS Topographic (2023)
USGA Quads: Harrison Valley, Knoxville, Potter Brook, Elkland





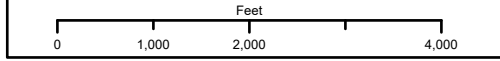
Legend

Contractor/Pipe Yard

Figure 1
 USGS Project Location
 Tioga Pathway Project
 Sheet 13 of 13
 Mckean County, Pennsylvania

Prepared For: **National Fuel**
 Supply Corporation

Prepared By: **TETRA TECH**



Basemap: ESRI, USGS Topographic (2023)
 USGA Quads: Harrison Valley, Knoxville, Potter Brook, Elkland

