



TETRA TECH

PITT-01-16-010

January 11, 2016

Project Number 112IC05958

Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Bellefonte, PA 16823-7437

Subject: Project Review Information as Required by PNDI
Water Withdrawal Activities from Letort Spring Run for the
Sunoco Pipeline, L.P. Mariner East 2 Pennsylvania Pipeline Project
Middlesex Township, Cumberland County, Pennsylvania.

To Whom It May Concern:

On behalf of Sunoco Pipeline L.P. (SPLP), Tetra Tech, Inc. (Tetra Tech) is submitting this project review request for the proposed Pennsylvania Pipeline Project (Project). This request is specifically for water withdrawal activities from Letort Spring Run in Middlesex Township, Cumberland County, Pennsylvania for the Project. Water withdrawals are necessary to complete horizontal directional drilling (HDD) operations and hydrostatic testing. The Pennsylvania Fish and Boat Commission (PAFBC) has already conducted a Species Impact Review for the larger Project (SIR # 41856); however, water withdrawals will take place adjacent to the overall Project right-of-way; therefore, a separate project review is required. A PNDI Project Review Environmental Report (#20151231543779) and location maps for the water withdrawal site are attached (see Attachment 1 through 3, respectively) to facilitate further review by PAFBC for a potential impact to threatened or endangered species.

PNDI Review

Potential impacts to two PAFBC-managed Special Concern Species were identified: (1) Elktoe (*Alasmidonta marginata*) and Triangle Floater (*Alasmidonta undulata*). A PNDI Project Review Environmental Report (#20151231543779) is provided in Attachment 1.

Site Description

The Letort Spring Run withdrawal point is located on the southeast bank of the stream adjacent to an HDD workspace pullback area and north of the proposed pipeline route. Aerial and USGS topographic maps (Figures 1 through 3) are provided in Attachment 2. Equipment to be used at the site include a mobile pump, suction and discharge piping, and an intake screen with slot size of 3/16" and through-slot velocity below 0.5 feet per second to avoid impingement and entrainment of aquatic species. All equipment will be temporary and removable, minimizing impact to riparian vegetation. The mobile pump equipment will be placed in an appropriate containment structure to prevent release of any spilled oil or fuel. Water for hydrostatic testing and HDD operations will be either transferred directly from Letort Spring Run to the pipeline or transferred to trucks and unloaded at the location of use. This water source will only be used to supply water during pipeline construction and testing. The HDD is expected to be constructed in May 2016 and the hydrostatic testing of the main pipeline is expected to be completed by October 2016. No long-term use of surface water after December 2016 is expected. No tree clearing will take place as part of withdrawal activities; however, clearing within the limits of disturbance of the overall Project will be completed as part of the overall pipeline construction.

Tetra Tech, Inc.

661 Andersen Drive, Pittsburgh, PA 15220-2700

Tel 412.921.7090 Fax 412.921.4040 www.tetrattech.com

If you have any questions regarding this submittal or require additional information, please contact me at (412) 921-8984 or Christopher Embry of Sunoco at (610) 873-3242.

Sincerely,



Corey A. Rich
Tetra Tech, OGA, Inc.

CAR/clm

cc: Christopher Embry (Sunoco)
Preston Smith (Tetra Tech, Inc.)
Sandy Lare (Tetra Tech, Inc.)
File 112IC05958 (1 copy)

ATTACHMENT 1.0

PNDI PROJECT REVIEW ENVIRONMENTAL REPORT (#20151231543779)

1. PROJECT INFORMATION

Project Name: **Letort Spring Run**

Date of review: **12/31/2015 11:10:43 AM**

Project Category: **Water extraction/transfer, Extraction of surface water (e.g., from stream, river, creek, lake, or pond)**

Project Area: **N/A**

County: **Cumberland** Township/Municipality: **Middlesex**

Quadrangle Name: **CARLISLE** ~ ZIP Code: **17013**

Decimal Degrees: **40.229944 N, -77.138097 W**

Degrees Minutes Seconds: **40° 13' 47.8" N, -77° 8' 17.1" W**



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

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: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

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

PFBC Species: (Note: The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below.)

Scientific Name: *Alasmidonta marginata*

Common Name: Elktoe

Current Status: Special Concern Species*

Scientific Name: *Alasmidonta undulata*

Common Name: Triangle Floater

Current Status: Special Concern Species*

U.S. Fish and Wildlife Service

RESPONSE: No impacts to federally listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, send the following information to the agency(s) seeking this information (see AGENCY CONTACT INFORMATION).

Check-list of *Minimum Materials to be submitted:*

- ___ **SIGNED** copy of this Project Environmental Review Receipt
- ___ 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.
- ___ Project location information (name of USGS Quadrangle, Township/Municipality, and County)
- ___ USGS 7.5-minute Quadrangle with project boundary clearly indicated, and quad name on the map

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

- ___ A basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)
- ___ 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. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturalheritage.state.pa.us>.

PNDI Project Environmental Review Receipt

Project Search ID: 20151231543779

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
Fax:(717) 772-0271

U.S. Fish and Wildlife Service

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

PA Fish and Boat Commission

Division of Environmental Services
450 Robinson Lane, Bellefonte, PA. 16823-7437
NO Faxes Please

PA Game Commission

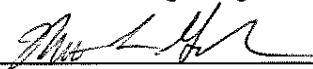
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA. 17110-9797
Fax:(717) 787-6957

7. PROJECT CONTACT INFORMATION

Name: MATTHEW L GORDON
Company/Business Name: SUNOCO PIPELINE LP
Address: 535 EIGHTH AVE
City, State, Zip: SUNOCO SEVEN, PA, 19609
Phone: (610) 670 3264 Fax: (866) 455 3141
Email: MLGORDON@SUNOCOLOGISTICS.COM

8. CERTIFICATION

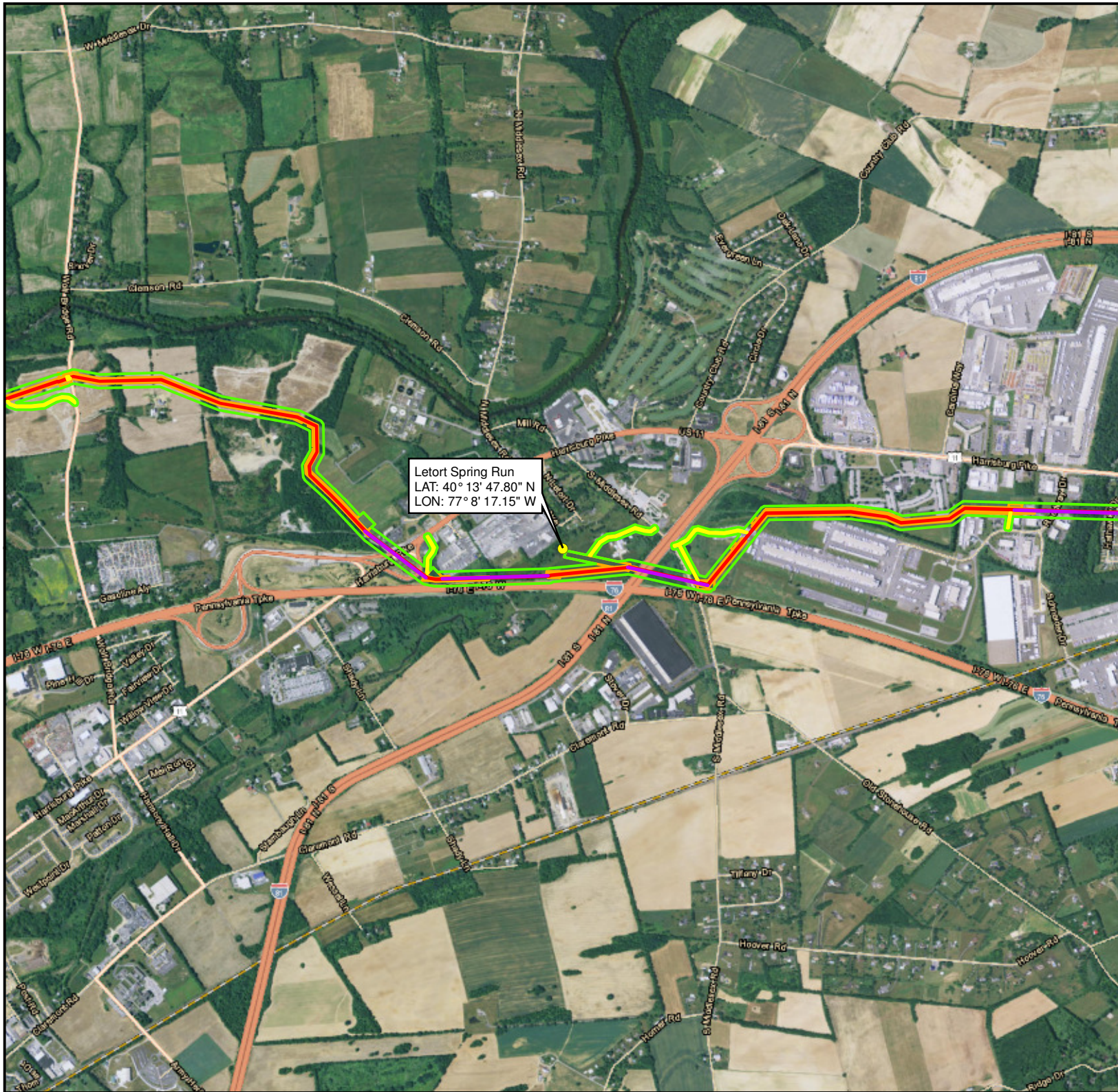
I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions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


applicant/project proponent signature

1/11/2016
date

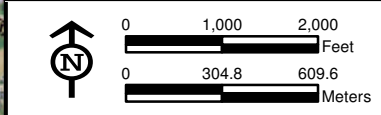
ATTACHMENT 2.0

LOCATION MAPS



- Legend**
- Water Withdrawal Location
 - HDD
 - Access Road
 - Alignment Centerline
 - Study Area
 - Limit of Disturbance
 - ATWS
 - Block Valve Site Layout

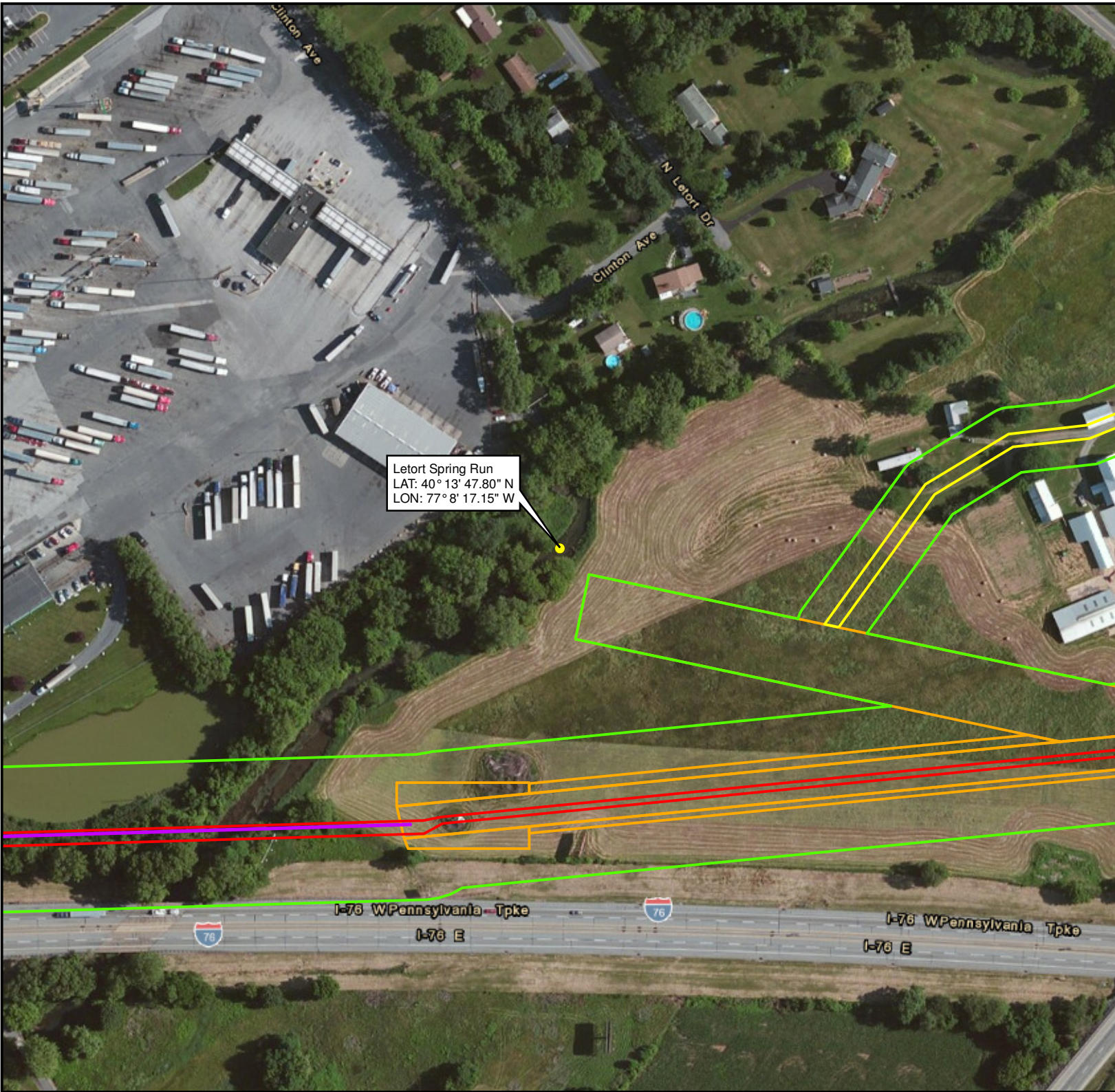
Sheet Identifier



**FIGURE 1: AERIAL MAP
SUNOCO PIPELINE L.P.
SINKING SPRING, PA
PENNSYLVANIA PIPELINE PROJECT
LETORT SPRING RUN
MIDDLESEX TOWNSHIP
CUMBERLAND COUNTY, PENNSYLVANIA**



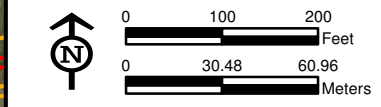
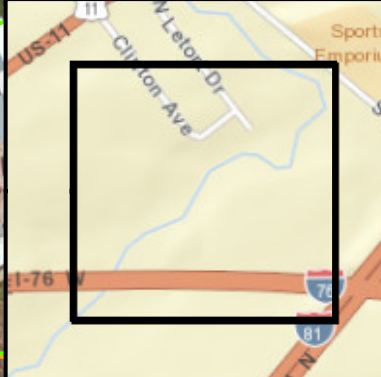
Notes:
 1) Aerial photograph provided by ESRI's ArcGIS Online World Imagery map service (© 2011 ESRI and its data suppliers).
 2) Coordinate system is NAD 1983 State Plane Pennsylvania South.



Letort Spring Run
 LAT: 40° 13' 47.80" N
 LON: 77° 8' 17.15" W

- Legend**
- Water Withdrawal Location
 - HDD
 - Access Road
 - Alignment Centerline
 - Study Area
 - Limit of Disturbance
 - ATWS
 - Block Valve Site Layout

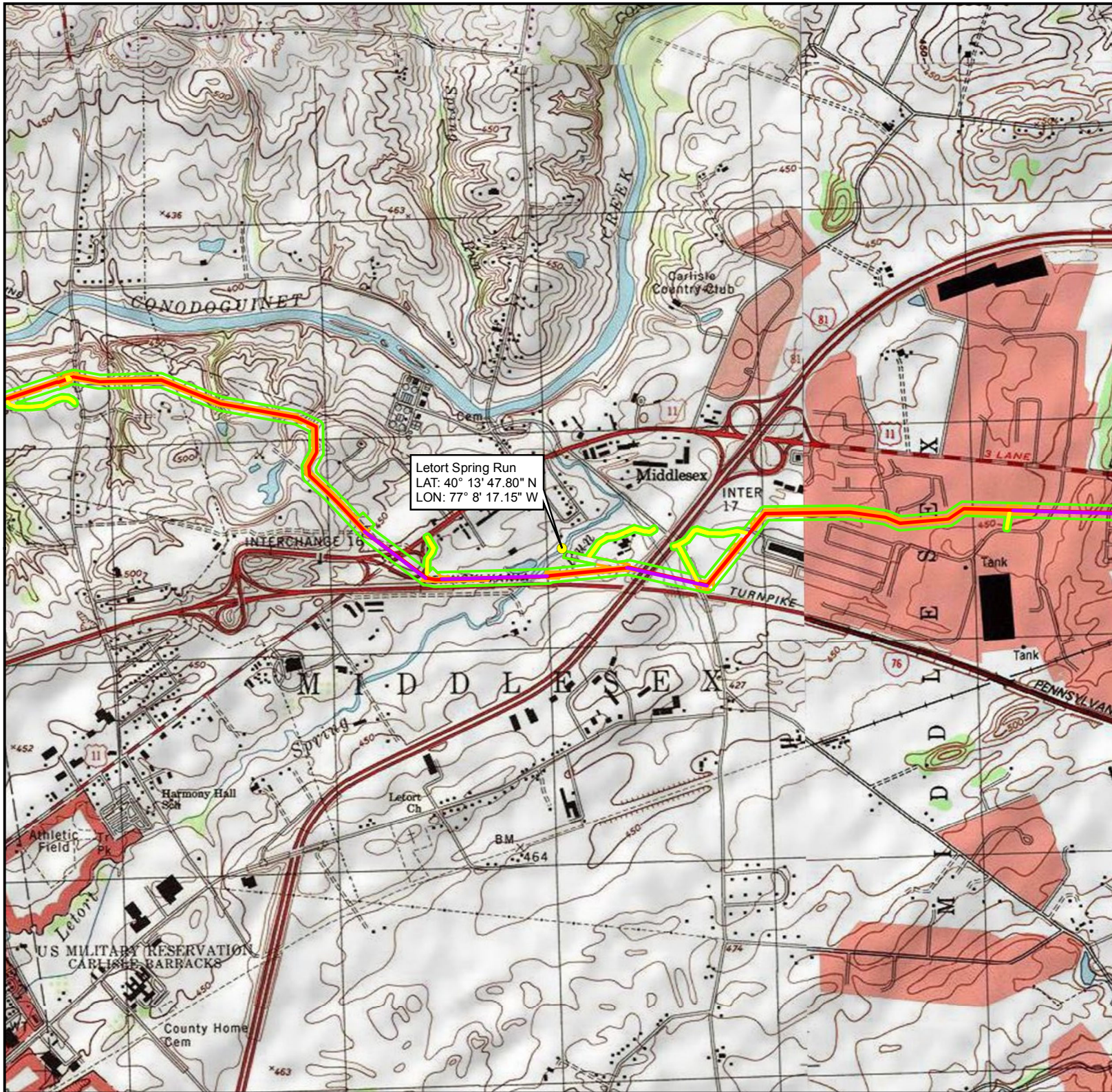
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**FIGURE 2: AERIAL MAP
 SUNOCO PIPELINE L.P.
 SINKING SPRING, PA
 PENNSYLVANIA PIPELINE PROJECT
 LETORT SPRING RUN
 MIDDLESEX TOWNSHIP
 CUMBERLAND COUNTY, PENNSYLVANIA**



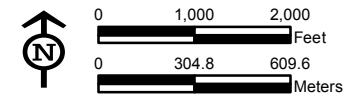
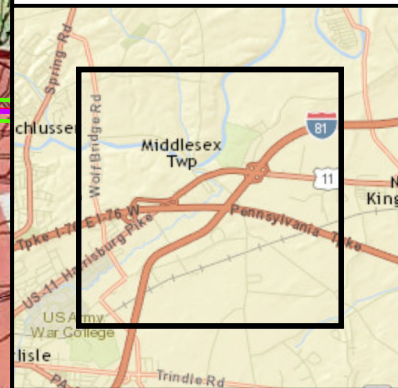
Notes:
 1) Aerial photograph provided by ESRI's ArcGIS Online WorldImagery map service (© 2011 ESRI and its data suppliers).
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Legend

- Water Withdrawal Location
- HDD
- Access Road
- Alignment Centerline
- Study Area
- Limit of Disturbance
- ATWS
- Block Valve Site Layout

Sheet Identifier



**FIGURE 3: USGS LOCATION MAP
SUNOCO PIPELINE L.P.
SINKING SPRING, PA
PENNSYLVANIA PIPELINE PROJECT
LETORT SPRING RUN
MIDDLESEX TOWNSHIP
CUMBERLAND COUNTY, PENNSYLVANIA**



Notes:
 1) Topographic map provided by ESRI's ArcGIS Online USA Topo Maps map service (© 2011 National Geographic Society, i-cubed).
 2) Coordinate system is NAD 1983 State Plane Pennsylvania South.
 3) Quadrangle(s) shown: Carlisle and Mechanicsburg.