



December 22, 2015

Chartiers Township
Board of Supervisors
2 Buccaneer Drive
Houston, Pennsylvania 15342

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project
Floodplain/Stormwater Management Program Consistency Request**

Dear Supervisors:

On behalf of Sunoco Pipeline, L.P., Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of approximately two parallel pipelines within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline would be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, up to 20-inch diameter pipeline, will also be installed in the same ROW from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur, and these facilities would be located outside of floodways and 100-year floodplains. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the permit approval process, we and Sunoco respectfully request your review of the Project's consistency with local Floodplain Management and Storm Water Management programs, and a letter confirming the Project's consistency with these programs (as applicable). A consistency letter from the Township in regard to the local Floodplain Management and Storm Water Management Program is required pursuant to 25 Pennsylvania Code, Chapter 105 Regulations (Sections 105.14(b)(9), 105.13(e)(1)(v-vi)), and under the Stormwater Management Act (32 P.S., §§ 680.1—680.17), respectively. To save you valuable time, a draft of the letter format is enclosed as Attachment A. This draft may be retyped on municipal letterhead, signed and mailed back to Tetra Tech. Alternatively, please print the form below (at the bottom of this letter), provide a signature and return this letter to the letterhead address.

The following attachments are included for your review:

- Location Map which shows the project location with County and Township boundaries (Attachment B).
- Site Map which shows the location of the proposed pipeline Project ROW in the area and the corresponding Federal Emergency Management Agency (FEMA) flood zones (Attachment C).¹

¹ Note: Areas shown as a "100-Year Floodplain – No Base Flood Elevation/Base Flood Elevation determined (Zone A/Zone AE)" are designated Special Flood Hazard Areas (SFHA) subject to flooding by the 1% annual chance flood. Areas shown as a "0.2% Annual Chance Flood Hazard (Zone X) and Minimal Flood Hazard Areas" are areas between the limits of the base flood and the 0.2-percent-annual-chance (or 500-year) flood, and areas outside of the SFHA (and higher than the elevation of the 0.2% annual chance flood), respectively. FEMA Flood Zones based on latest data available for Washington County--updated September 29, 2015.

Tetra Tech

285 Ellicott St, Buffalo, New York 14203

Tel 716.849.9419 Fax 716.849.9420 www.tetrattech.com



As shown, no aboveground facilities or new access roads are proposed in FEMA designated floodways or 100-year floodplains. The Project pipeline ROW would cross designated FEMA Special Flood Hazard Areas Zone A, AE, and X, (including regulatory floodways). However, some of these areas would be crossed using horizontal directional drill or boring techniques, reducing surface disturbance and potential Project impacts. Nonetheless, the entire pipeline will be buried and preconstruction contours and elevations will be restored following pipeline installation.

The Project ROW is located within Chartiers Township, which has adopted the Countywide Act 167 Stormwater Management Plan for Washington County. Nonetheless, the Project will be designed, constructed, and operated in compliance with all applicable provisions of 25 Pennsylvania Code, Chapter 102 Regulations (Erosion and Sediment Control and Post Construction Stormwater Management Best Management Practices including the implementation of Antidegradation Best Available Combination of Technologies (ABACT methods) where applicable, to maintain the designated use of receiving waters in the area and no increase in stormwater runoff, rate or volume would occur.

If you have further questions or require additional information, please do not hesitate to contact me or Rachel Silva at (716) 849-9419 or via email at ailene.batoon@tetrattech.com or rachel.silva@tetrattech.com.

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ailene Batoon', written over a circular stamp or mark.

Enclosures: Draft Consistency Form/Letter, Location Map, Site Map

Tetra Tech

285 Ellicott St, Buffalo, New York 14203

Tel 716.849.9419 Fax 716.849.9420 www.tetrattech.com

Chartiers Township
2 Buccaneer Drive
Houston, Pennsylvania 15342

Ailene Batoon
Tetra Tech, Inc.
285 Ellicott Street
Buffalo, NY 14203

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project
Floodplain/Stormwater Management Program Consistency Request**

FLOODPLAIN CONSISTENCY:

No Plan Project is Consistent Project is NOT Consistent (Explain Below)

STORMWATER CONSISTENCY:

No Plan Project is Consistent Project is NOT Consistent (Explain Below)

Municipal Official (signature & title)

Printed Name

Date

[Municipal Letterhead]

[date]

Ailene Batoon
Tetra Tech Inc.
285 Ellicott Street
Buffalo, NY 14203

Reference: Sunoco Pipeline L.P., Pennsylvania Pipeline Project

Dear Sir/Madam:

Please be advised that [Please type the appropriate statement from the following list.]

[The Township does not have a Storm Water Management Plan.]

[The Township has a Storm Water Management Plan. However the above mentioned project is not located in that boundary and therefore, a Storm Water Management Analysis is not required for this project.]

[The Township has a local Storm Water Management Plan effective in the project area. After studying the proposed activity, it was found that the above referenced project is consistent with the local Storm Water Management Plan.]

In regard to the Floodplain Management Plan, [please type the appropriate statement from the following list.]

[There is no FEMA Flood Insurance Study Performed for the Township.]

[The above mentioned project is not located in the boundary of the FEMA Flood Insurance Study and therefore this project has no effects on the Floodplain Management Program effective in the Township.]

[The proposed activity for the above referenced project has been studied. It is consistent with the FEMA Floodplain Management Program effective in the Township.]

Signature: _____
Title: _____



Legend

- Alignment Centerline
- Pennsylvania State Border

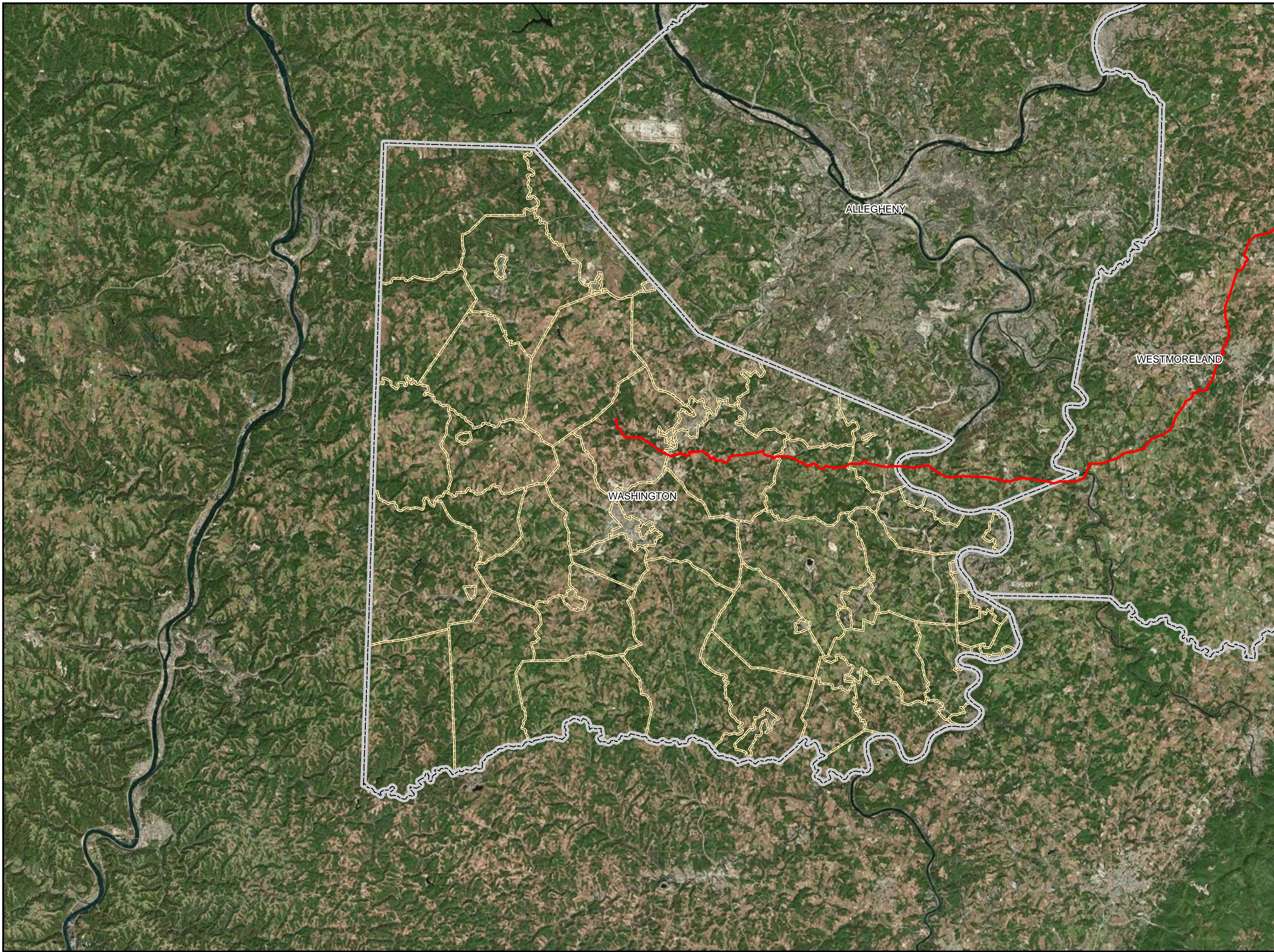


**PROJECT LOCATION MAP
STATE LEVEL
ATTACHMENT B
PENNSYLVANIA PIPELINE PROJECT
SUNOCO LOGISTICS, L.P.**



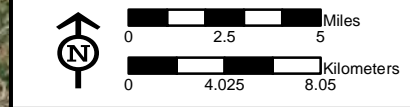
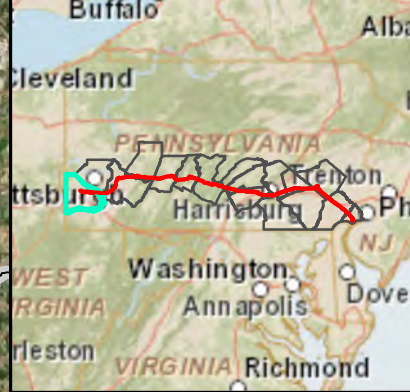
Notes:
Aerial photograph provided by ESRI's ArcGIS Online World Imagery map service (© 2011 ESRI and its data suppliers).

FGH:\GIS\SUNOCO\MARINER EAST 2\MDPPP ACT\MAPENPIPELINE_ACTH_ENTIRELINE.MXD 07/21/15 JN



- Legend**
- Alignment Centerline
 - County Boundary
 - Township Boundary

Sheet Identifier

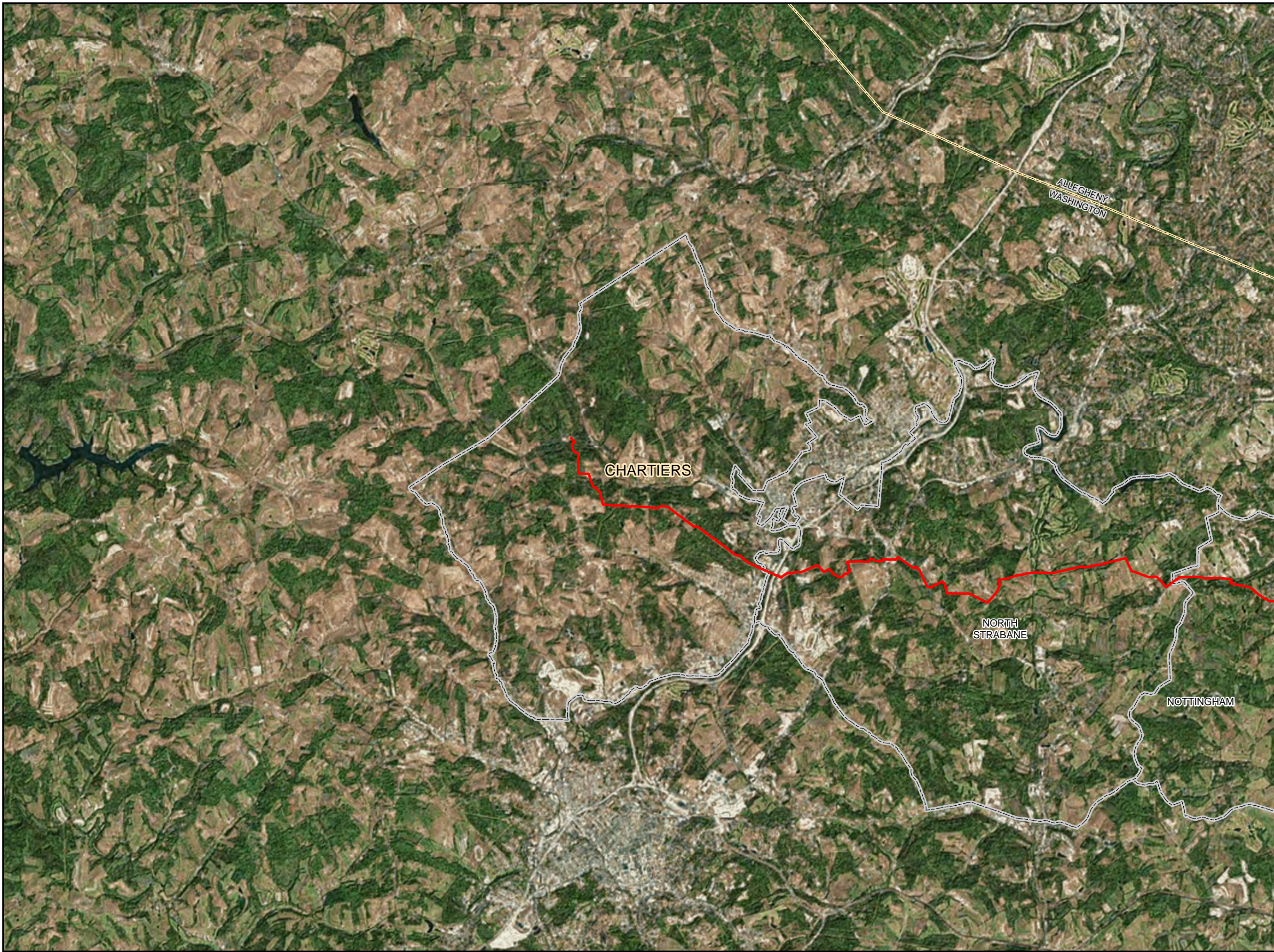


**PROJECT LOCATION MAP
COUNTY LEVEL
ATTACHMENT B
PENNSYLVANIA PIPELINE PROJECT
SUNOCO LOGISTICS, L.P.
WASHINGTON COUNTY, PA**



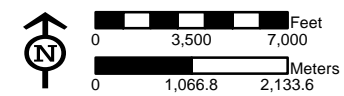
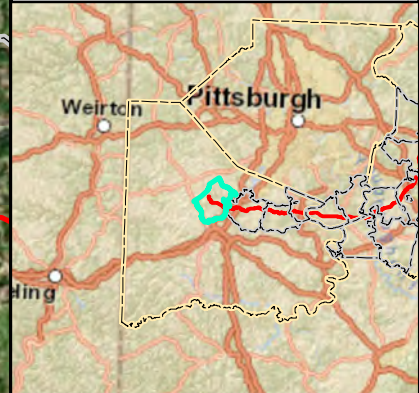
Notes:
Aerial photograph provided by ESRI's
ArcGIS Online World Imagery map service
(© 2011 ESRI and its data suppliers).

PGH_P\GIS\SUNOCO\MARINER_EAST_2\MXD\PPP_ACT14\PIPENPIPELINE_ACT14_COUNTIES.MXD 06/08/15 JN



- Legend**
- Alignment Centerline
 - County Boundary
 - Township Boundary

Sheet Identifier

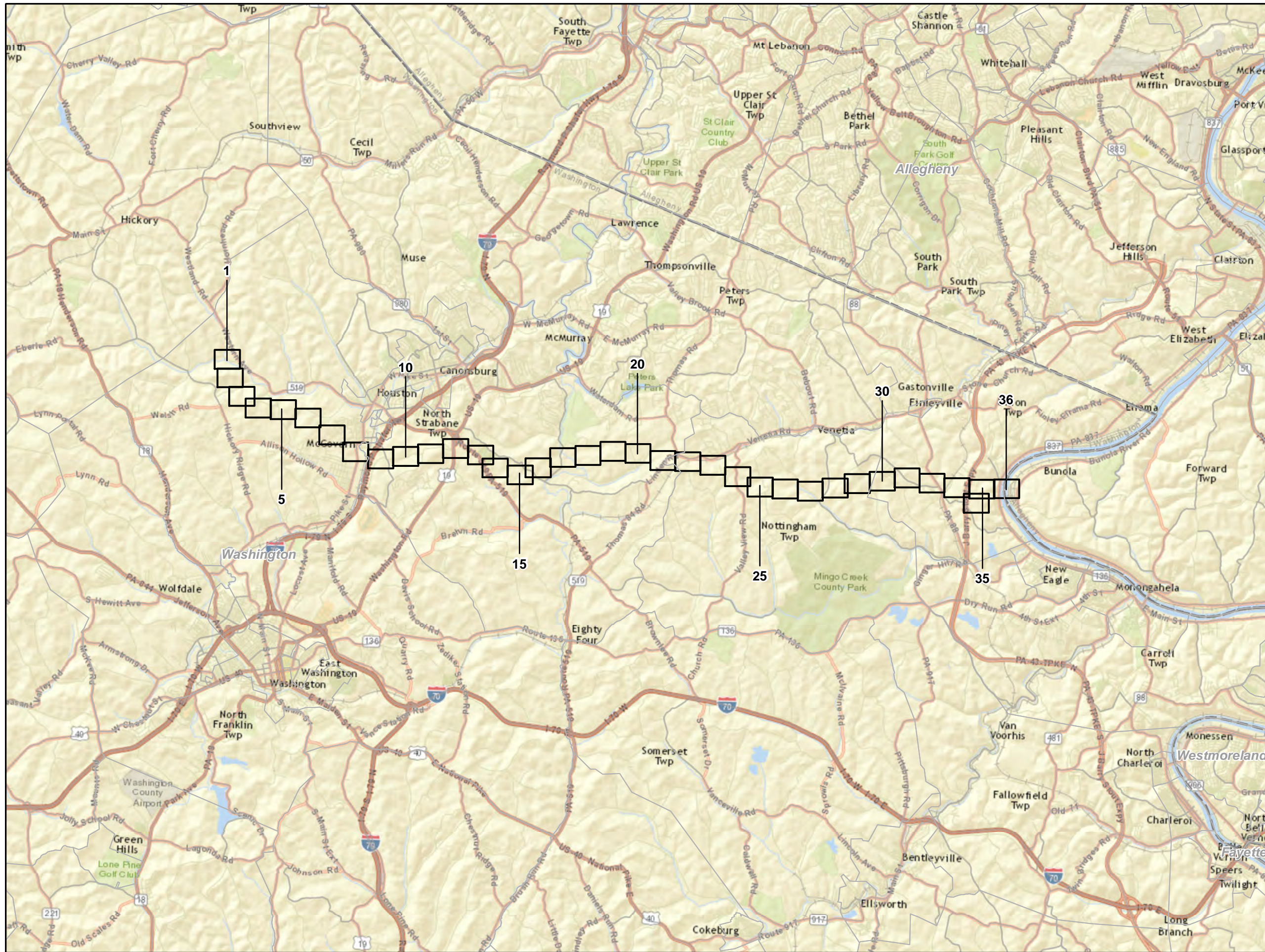








**PROJECT LOCATION MAP
 CHARTIERS TOWNSHIP
 ATTACHMENT B
 PENNSYLVANIA PIPELINE PROJECT
 SUNOCO LOGISTICS, L.P.
 WASHINGTON COUNTY, PA**



Notes:
 Aerial photograph provided by ESRI's
 ArcGIS Online World Imagery map service
 © 2011 ESRI and its data suppliers.

PGH_P015\SUNOCO\MARINER_EAST_2MXD\PPP_ACT14\MUNICIPALITIES.MXD 06/08/15 JN



- Legend**
-  Sheet Boundary
 -  Township Line
 -  PPP 1
 -  PPP 2
 -  Roads
 -  County Boundary



0 0.5 1 2 3 4 Miles

1 inch = 10,000 feet

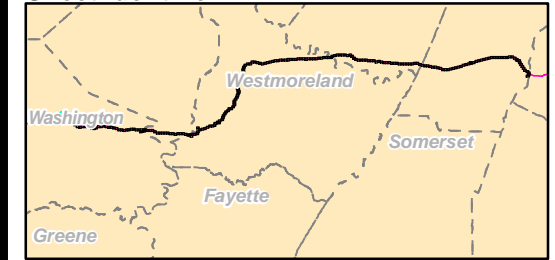
**Attachment C
FEMA NFHL Designated Floodplains along
the Sunoco Pennsylvania Pipeline Project**

Prepared By:  TETRA TECH	Date: 7/2015
------------------------------------------------------------------------------------------------------------------	-----------------


Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 8/2013.
Coordinate System: NAD 83 Stateplane, PA South, Feet

P:\GIS\Projects\12105958-PPP\70\XDF\Permits\CountyPermits\WashingtonCounty\SheetKey





Sheet Identifier



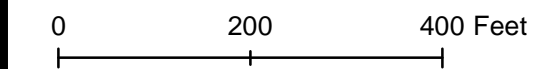
Legend

-  Proposed Pipeline 1
-  Proposed Pipeline 2
-  Bore
-  Horizontal Directional Drill
-  Permanent Right-of-Way
-  Temporary Right-of-Way
-  Additional Temporary Workspace
-  Permanent Access Road
-  Temporary Access
-  Vegetation Clearing (no ground disturbance)
-  Travel Lane (no ground disturbance)
-  Proposed Block Valve
-  Stream
-  Wetland
-  Municipal Boundary

Flood Hazard Zones

-  1% Annual Chance Flood Hazard
-  Floodway
-  0.2% Annual Chance Flood Hazard
-  Reduced Risk Due to Levee

FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



1 of 224

Scale 1:2400

Prepared By:



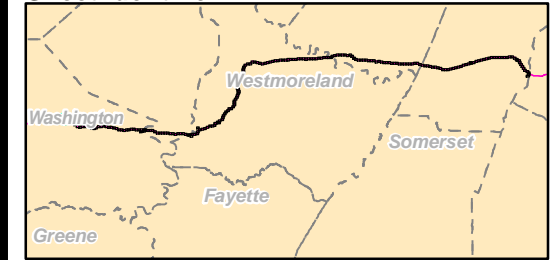
Date:

11/2015

Floodplain & Floodway Data:
 National Flood Hazard GIS Layer
 Downloaded October, 2015
<http://www.floodmaps.fema.gov/NFHL/status.shtml>







Sheet Identifier



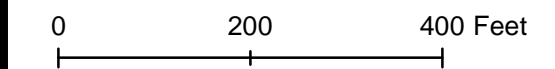
Legend

-  Proposed Pipeline 1
-  Proposed Pipeline 2
-  Bore
-  Horizontal Directional Drill
-  Permanent Right-of-Way
-  Temporary Right-of-Way
-  Additional Temporary Workspace
-  Permanent Access Road
-  Temporary Access
-  Vegetation Clearing (no ground disturbance)
-  Travel Lane (no ground disturbance)
-  Proposed Block Valve
-  Stream
-  Wetland
-  Municipal Boundary

Flood Hazard Zones

-  1% Annual Chance Flood Hazard
-  Floodway
-  0.2% Annual Chance Flood Hazard
-  Reduced Risk Due to Levee

FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



2 of 224

Scale 1:2400

Prepared By:



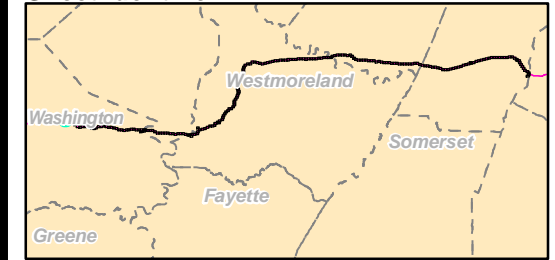
Date:

11/2015


Floodplain & Floodway Data:
 National Flood Hazard GIS Layer
 Downloaded October, 2015
<http://www.floodmaps.fema.gov/NFHL/status.shtml>







Sheet Identifier



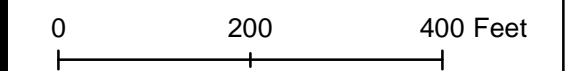
Legend

-  Proposed Pipeline 1
-  Proposed Pipeline 2
-  Bore
-  Horizontal Directional Drill
-  Permanent Right-of-Way
-  Temporary Right-of-Way
-  Additional Temporary Workspace
-  Permanent Access Road
-  Temporary Access
-  Vegetation Clearing (no ground disturbance)
-  Travel Lane (no ground disturbance)
-  Proposed Block Valve
-  Stream
-  Wetland
-  Municipal Boundary

Flood Hazard Zones

-  1% Annual Chance Flood Hazard
-  Floodway
-  0.2% Annual Chance Flood Hazard
-  Reduced Risk Due to Levee

FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



3 of 224

Scale 1:2400

Prepared By:



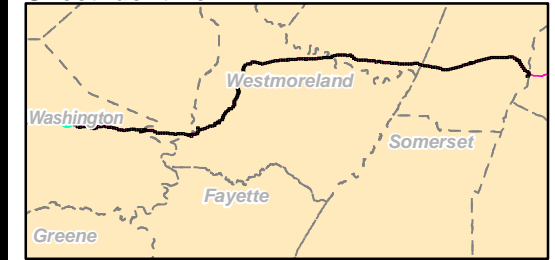
Date:

11/2015

Floodplain & Floodway Data:
 National Flood Hazard GIS Layer
 Downloaded October, 2015
<http://www.floodmaps.fema.gov/NFHL/status.shtml>







Sheet Identifier



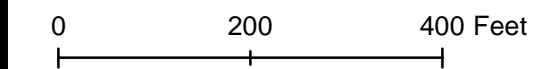
Legend

-  Proposed Pipeline 1
-  Proposed Pipeline 2
-  Bore
-  Horizontal Directional Drill
-  Permanent Right-of-Way
-  Temporary Right-of-Way
-  Additional Temporary Workspace
-  Permanent Access Road
-  Temporary Access
-  Vegetation Clearing (no ground disturbance)
-  Travel Lane (no ground disturbance)
-  Proposed Block Valve
-  Stream
-  Wetland
-  Municipal Boundary

Flood Hazard Zones

-  1% Annual Chance Flood Hazard
-  Floodway
-  0.2% Annual Chance Flood Hazard
-  Reduced Risk Due to Levee

FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



4 of 224

Scale 1:2400

Prepared By:



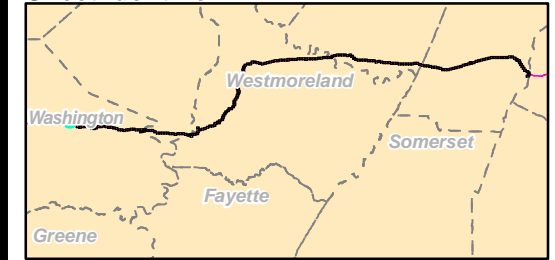
Date:

11/2015


Floodplain & Floodway Data:
 National Flood Hazard GIS Layer
 Downloaded October, 2015
<http://www.floodmaps.fema.gov/NFHL/status.shtml>







Sheet Identifier



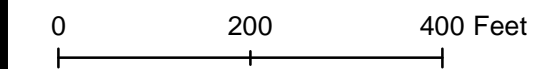
Legend

-  Proposed Pipeline 1
-  Proposed Pipeline 2
-  Bore
-  Horizontal Directional Drill
-  Permanent Right-of-Way
-  Temporary Right-of-Way
-  Additional Temporary Workspace
-  Permanent Access Road
-  Temporary Access
-  Vegetation Clearing (no ground disturbance)
-  Travel Lane (no ground disturbance)
-  Proposed Block Valve
-  Stream
-  Wetland
-  Municipal Boundary

Flood Hazard Zones

-  1% Annual Chance Flood Hazard
-  Floodway
-  0.2% Annual Chance Flood Hazard
-  Reduced Risk Due to Levee

FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



5 of 224

Scale 1:2400

Prepared By:



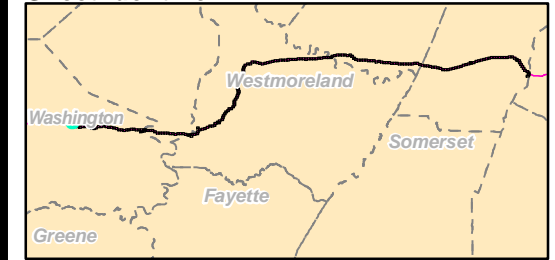
Date:

11/2015

Floodplain & Floodway Data:
 National Flood Hazard GIS Layer
 Downloaded October, 2015
<http://www.floodmaps.fema.gov/NFHL/status.shtml>







Sheet Identifier



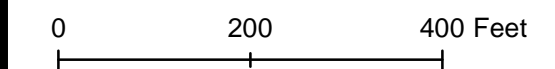
Legend

-  Proposed Pipeline 1
-  Proposed Pipeline 2
-  Bore
-  Horizontal Directional Drill
-  Permanent Right-of-Way
-  Temporary Right-of-Way
-  Additional Temporary Workspace
-  Permanent Access Road
-  Temporary Access
-  Vegetation Clearing (no ground disturbance)
-  Travel Lane (no ground disturbance)
-  Proposed Block Valve
-  Stream
-  Wetland
-  Municipal Boundary

Flood Hazard Zones

-  1% Annual Chance Flood Hazard
-  Floodway
-  0.2% Annual Chance Flood Hazard
-  Reduced Risk Due to Levee

FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



6 of 224

Scale 1:2400

Prepared By:



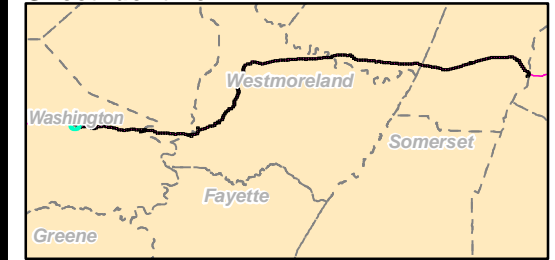
Date:

11/2015

Floodplain & Floodway Data:
 National Flood Hazard GIS Layer
 Downloaded October, 2015
<http://www.floodmaps.fema.gov/NFHL/status.shtml>







Sheet Identifier



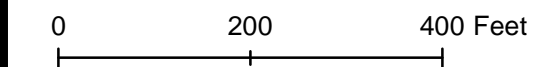
Legend

-  Proposed Pipeline 1
-  Proposed Pipeline 2
-  Bore
-  Horizontal Directional Drill
-  Permanent Right-of-Way
-  Temporary Right-of-Way
-  Additional Temporary Workspace
-  Permanent Access Road
-  Temporary Access
-  Vegetation Clearing (no ground disturbance)
-  Travel Lane (no ground disturbance)
-  Proposed Block Valve
-  Stream
-  Wetland
-  Municipal Boundary

Flood Hazard Zones

-  1% Annual Chance Flood Hazard
-  Floodway
-  0.2% Annual Chance Flood Hazard
-  Reduced Risk Due to Levee

FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



7 of 224

Scale 1:2400

Prepared By:



Date:

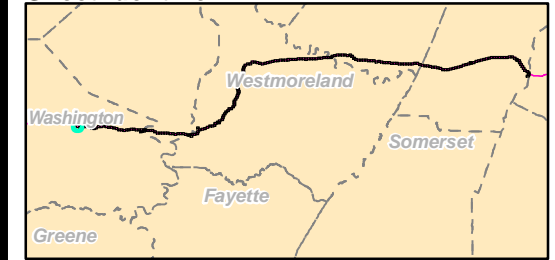
11/2015

Floodplain & Floodway Data:
 National Flood Hazard GIS Layer
 Downloaded October, 2015
<http://www.floodmaps.fema.gov/NFHL/status.shtml>




CHARMERS
NORTH STRABANE





Sheet Identifier



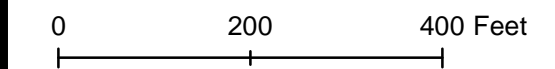
Legend

-  Proposed Pipeline 1
-  Proposed Pipeline 2
-  Bore
-  Horizontal Directional Drill
-  Permanent Right-of-Way
-  Temporary Right-of-Way
-  Additional Temporary Workspace
-  Permanent Access Road
-  Temporary Access
-  Vegetation Clearing (no ground disturbance)
-  Travel Lane (no ground disturbance)
-  Proposed Block Valve
-  Stream
-  Wetland
-  Municipal Boundary

Flood Hazard Zones

-  1% Annual Chance Flood Hazard
-  Floodway
-  0.2% Annual Chance Flood Hazard
-  Reduced Risk Due to Levee

FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



8 of 224

Scale 1:2400

Prepared By:



Date:

11/2015


Floodplain & Floodway Data:
National Flood Hazard GIS Layer
Downloaded October, 2015
<http://www.floodmaps.fema.gov/NFHL/status.shtml>



From: trackingupdates@fedex.com
Sent: Wednesday, December 23, 2015 3:15 PM
To: Silva, Rachel
Subject: FedEx Shipment 775278014316 Delivered

Your package has been delivered

Tracking # 775278014316

Ship date: Tue, 12/22/2015	Delivery date: Wed, 12/23/2015 3:13 pm	
AILENE BATOON TETRA TECH - HOME Buffalo, NY 14203 US	 Delivered	Board of Supervisors Chartiers Township 2 Buccaneer Drive HOUSTON, PA 15342 US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	775278014316
Status:	Delivered: 12/23/2015 3:13 PM Signed for By: W.WILLIAMS
Reference:	112C05958 Task 16
Signed for by:	W.WILLIAMS
Delivery location:	HOUSTON, PA
Delivered to:	Receptionist/Front Desk
Service type:	FedEx Standard Overnight
Packaging type:	FedEx Envelope
Number of pieces:	1
Weight:	0.50 lb.
Special handling/Services:	Direct Signature Required Deliver Weekday