



November 2, 2016

Penn Township  
Board of Commissioners  
2001 Municipal Court  
Harrison City, Pennsylvania 15636-0452

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Act 167 Stormwater/Floodplain Management Program Consistency Request-  
UPDATED Project Workspaces**

Dear Commissioners:

On behalf of Sunoco Pipeline, L.P., Tetra Tech, Inc. is writing to provide updated workspaces/floodplain maps associated with the Pennsylvania Pipeline Project (Project) in Penn Township as part of our Chapter 105 Water Obstruction and Encroachment Permit Application and request for Act 167 Stormwater/Floodplain Management Consistency Request. In a letter dated February 11, 2016, the Township confirmed the Project's consistency with the Township's stormwater/floodplain management program. We would like to request input on the attached latest Project mapping identifying the updated Project workspaces in your township. The updated workspaces are highlighted as additions and subtractions in the maps provided.

As shown, the latest changes to the workspace do not affect the Township's previous consistency determination. The Project ROW remains located within Penn Township, which is in the study area of the Turtle Creek Watershed Act 167 Stormwater Management Plan. 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.

A new temporary access road has been added to the Project workspace in your township. Consistent with the letter we previously sent, no aboveground facilities or new access roads are proposed in FEMA designated floodways or 100-year floodplains. The updated Project workspace still crosses designated FEMA Special Flood Hazard Areas Zones 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.

Based on the above, we have determined that the updated workspace changes do not affect the Township's previous consistency determination and no response is necessary. If you have further questions/comments or disagree with this determination, please contact me, Ailene Batoon, or Rachel Silva at (716) 849-9419 or via email at [ailene.batoon@tetrattech.com](mailto:ailene.batoon@tetrattech.com) or [rachel.silva@tetrattech.com](mailto:rachel.silva@tetrattech.com) within 30 days of receipt of this letter. Thank you for your time.

Sincerely,  
Tetra Tech, Inc.

A handwritten signature in black ink, appearing to read 'Ailene Batoon', written over a white background.

Ailene Batoon




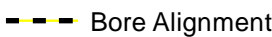
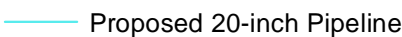
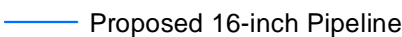







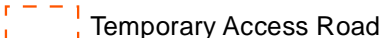




Enclosures: Updated Site Plan/Floodplain Maps

PENN  
JEANNETTE





### Sheet Identifier



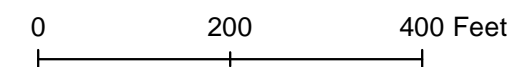
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-  Subtracted Workspace
-  HDD Alignment
-  Bore Alignment
-  Proposed 20-inch Pipeline
-  Proposed 16-inch Pipeline
-  ATWS
-  Block Valve
-  Block Valve Setting LOD
-  Permanent Access Road
-  Permanent ROW
-  Spoil Workspace
-  Stations
-  Temporary Access Road
-  Temporary ROW
-  Travel Lane
-  Municipal Boundary
-  Wetlands10222016

### 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



Sheet 33      Scale 1:2400

Prepared By:  TETRA TECH      Date: 10/2016




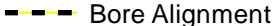
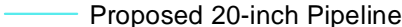
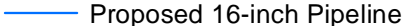












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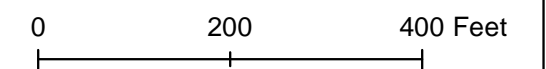
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**FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project**



**Sheet 34** **Scale 1:2400**

Prepared By:  **TETRA TECH** Date: **10/2016**

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**Sheet Identifier**



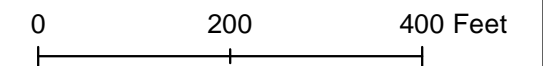
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**Sheet 35** **Scale 1:2400**

Prepared By: 	Date: 10/2016
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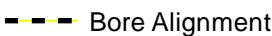
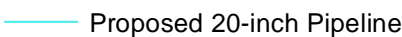
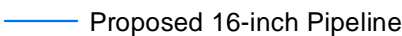












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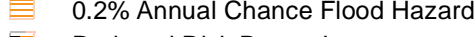
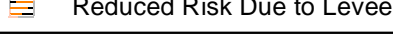
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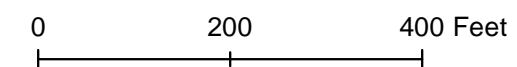
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**Sheet 36** **Scale 1:2400**

<b>Prepared By:</b> 	<b>Date:</b> 10/2016
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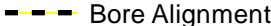
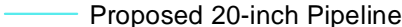
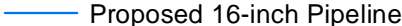












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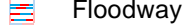


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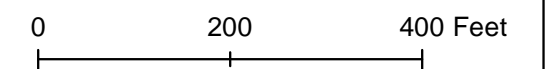
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**Sheet 37** **Scale 1:2400**

Prepared By:  **TETRA TECH** Date: **10/2016**




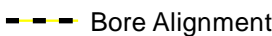
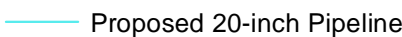
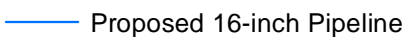












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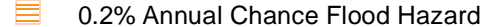

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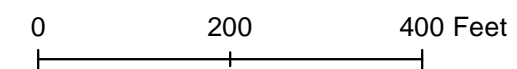
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**FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project**



**Sheet 38** **Scale 1:2400**

Prepared By: 	Date: 10/2016
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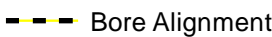
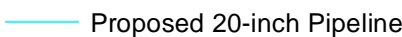
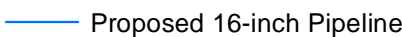




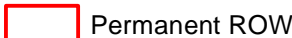


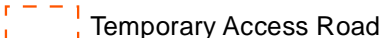




Floodplain & Floodway Data:  
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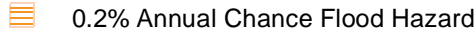

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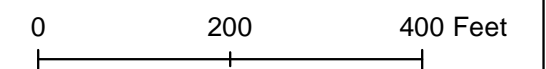
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-  Added Workspace
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-  HDD Alignment
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-  Permanent ROW
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### Flood Hazard Zones

-  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



Sheet 39

Scale 1:2400

Prepared By:



Date:

10/2016




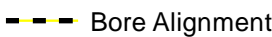
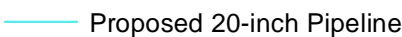
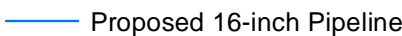












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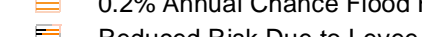
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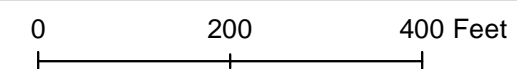
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**FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project**



**Sheet 40** **Scale 1:2400**




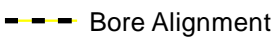
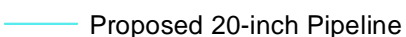





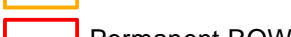
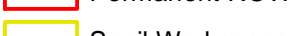


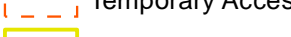
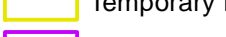
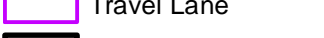

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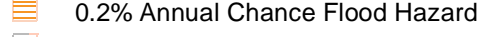

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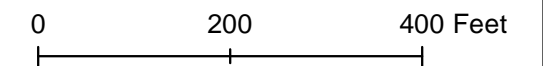
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**Sheet 41** **Scale 1:2400**

<b>Prepared By:</b> 	<b>Date:</b> 10/2016
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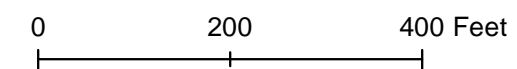
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-  Temporary ROW
-  Travel Lane
-  Municipal Boundary
-  Wetlands10222016

**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**



Sheet 42                      Scale 1:2400

Prepared By: 	Date: 10/2016
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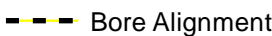
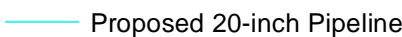
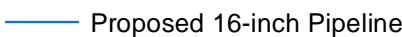












Floodplain & Floodway Data:  
 National Flood Hazard GIS Layer  
 Downloaded October, 2015  
<http://www.floodmaps.fema.gov/NFHL/status.shtml>







**Sheet Identifier**



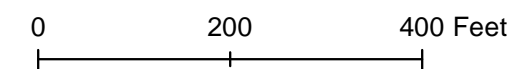
**Legend**

-  Added Workspace
-  Subtracted Workspace
-  HDD Alignment
-  Bore Alignment
-  Proposed 20-inch Pipeline
-  Proposed 16-inch Pipeline
-  ATWS
-  Block Valve
-  Block Valve Setting LOD
-  Permanent Access Road
-  Permanent ROW
-  Spoil Workspace
-  Stations
-  Temporary Access Road
-  Temporary ROW
-  Travel Lane
-  Municipal Boundary
-  Wetlands10222016

**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**



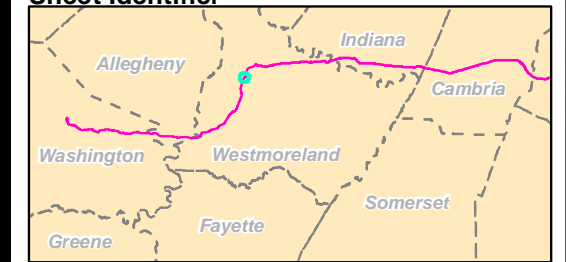
**Sheet 43** **Scale 1:2400**

Prepared By: 	Date: 10/2016
----------------------------------------------------------------------------------------------------	------------------




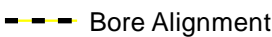
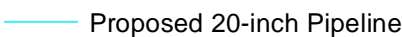
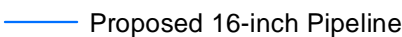












Floodplain & Floodway Data:  
 National Flood Hazard GIS Layer  
 Downloaded October, 2015  
<http://www.floodmaps.fema.gov/NFHL/status.shtml>







### Sheet Identifier



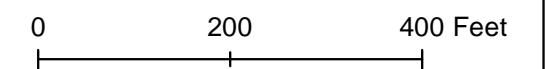
### Legend

-  Added Workspace
-  Subtracted Workspace
-  HDD Alignment
-  Bore Alignment
-  Proposed 20-inch Pipeline
-  Proposed 16-inch Pipeline
-  ATWS
-  Block Valve
-  Block Valve Setting LOD
-  Permanent Access Road
-  Permanent ROW
-  Spoil Workspace
-  Stations
-  Temporary Access Road
-  Temporary ROW
-  Travel Lane
-  Municipal Boundary
-  Wetlands10222016

### 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



Sheet 44

Scale 1:2400

Prepared By:



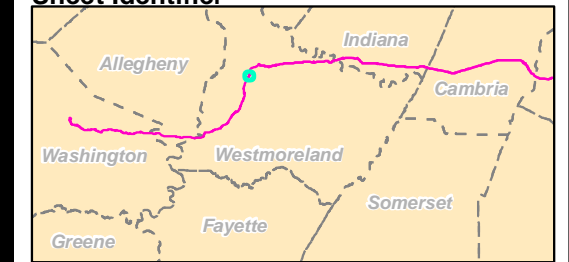
Date:

10/2016




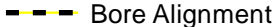
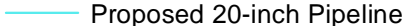







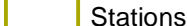





Floodplain & Floodway Data:  
National Flood Hazard GIS Layer  
Downloaded October, 2015  
<http://www.floodmaps.fema.gov/NFHL/status.shtml>







**Sheet Identifier**



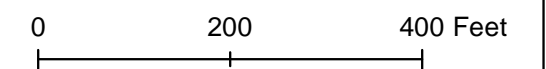
**Legend**

-  Added Workspace
-  Subtracted Workspace
-  HDD Alignment
-  Bore Alignment
-  Proposed 20-inch Pipeline
-  Proposed 16-inch Pipeline
-  ATWS
-  Block Valve
-  Block Valve Setting LOD
-  Permanent Access Road
-  Permanent ROW
-  Spoil Workspace
-  Stations
-  Temporary Access Road
-  Temporary ROW
-  Travel Lane
-  Municipal Boundary
-  Wetlands10222016

**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**



**Sheet 45** **Scale 1:2400**

Prepared By:



Date:

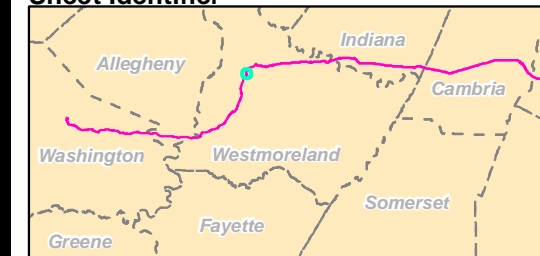
10/2016

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




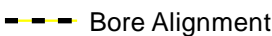
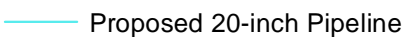
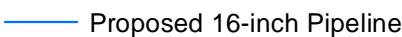




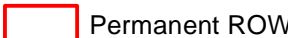
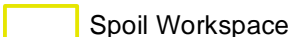








MURRYSVILLE  
PENN





### Sheet Identifier



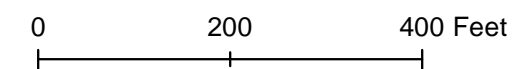
### Legend

-  Added Workspace
-  Subtracted Workspace
-  HDD Alignment
-  Bore Alignment
-  Proposed 20-inch Pipeline
-  Proposed 16-inch Pipeline
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-  Block Valve
-  Block Valve Setting LOD
-  Permanent Access Road
-  Permanent ROW
-  Spoil Workspace
-  Stations
-  Temporary Access Road
-  Temporary ROW
-  Travel Lane
-  Municipal Boundary
-  Wetlands10222016

### 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



Sheet 46                      Scale 1:2400

Prepared By:  TETRA TECH                      Date: 10/2016


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



**From:** trackingupdates@fedex.com  
**Sent:** Thursday, November 03, 2016 11:47 AM  
**To:** Silva, Rachel  
**Subject:** FedEx Shipment 777616632876 Delivered

## Your package has been delivered

Tracking # 777616632876

Ship date: <b>Wed, 11/2/2016</b>	Delivery date: <b>Thu, 11/3/2016 11:44 am</b>
<b>AILENE BATOON</b>	
TETRA TECH - HOME Buffalo, NY 14203 US	 <b>Delivered</b>
	<b>Board of Commissioners</b> Penn Township 2001 Municipal Court HARRISON CITY, PA 15636 US

### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777616632876</a>
<b>Status:</b>	Delivered: 11/03/2016 11:44 AM Signed for By: L.WOJCIK
<b>Reference:</b>	112IC05958 Task 16
<b>Signed for by:</b>	L.WOJCIK
<b>Delivery location:</b>	HARRISON CITY, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required Deliver Weekday
<b>Standard transit:</b>	11/3/2016 by 4:30 pm

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:46 AM CDT on 11/03/2016.

All weights are estimated.

