


From: trackingupdates@fedex.com
Sent: Monday, November 07, 2016 11:32 AM
To: Silva, Rachel
Subject: FedEx Shipment 777642181591 Delivered

Your package has been delivered


Tracking # 777642181591

Ship date: Fri, 11/4/2016	Delivery date: Mon, 11/7/2016 11:29 am	
AILENE BATOON TETRA TECH - HOME Buffalo, NY 14203 US	 Delivered	Board of Supervisors Hempfield Township 1132 Woodland Drive, Suite A GREENSBURG, PA 15601 US

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	777642181591
Status:	Delivered: 11/07/2016 11:29 AM Signed for By: A.RIDDLE
Reference:	112IC05958, 16
Signed for by:	A.RIDDLE
Delivery location:	GREENSBURG, 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
Standard transit:	11/7/2016 by 3:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:31 AM CST on 11/07/2016.



















All weights are estimated.

HEMPFIELD
SEWICKLEY





Sheet Identifier



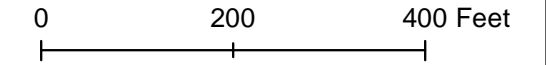
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-  Subtracted Workspace
-  HDD Alignment
-  Bore Alignment
-  Proposed 20-inch Pipeline
-  Proposed 16-inch Pipeline
-  ATWS
-  Block Valve
-  Block Valve Setting LOD
-  Permanent Access Road
-  Permanent ROW
-  Spoil Workspace
-  Stations
-  Temporary 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 18 Scale 1:2400

Prepared By:		Date:
		10/2016




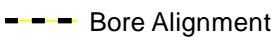
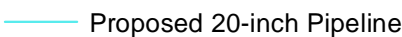
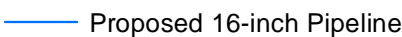












Floodplain & Floodway Data:
National Flood Hazard GIS Layer
Downloaded October, 2015
<http://www.floodmaps.fema.gov/NFHL/status.shtml>







Sheet Identifier



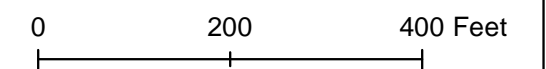
Legend

-  Added Workspace
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FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



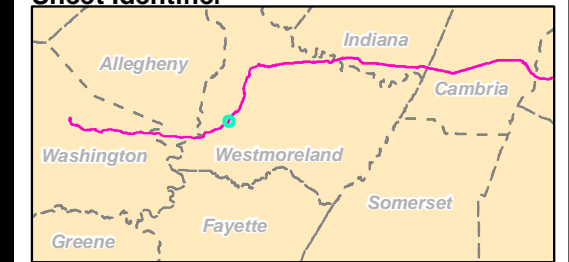
Sheet 19 **Scale 1:2400**

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



















Floodplain & Floodway Data:
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<http://www.floodmaps.fema.gov/NFHL/status.shtml>







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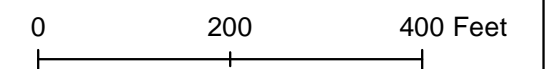
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FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



Sheet 20 **Scale 1:2400**

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




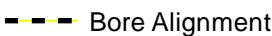
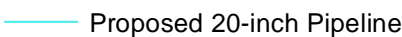
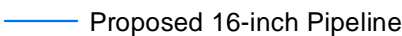












Floodplain & Floodway Data:
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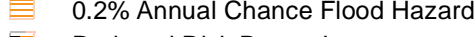
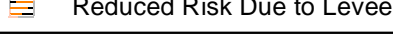
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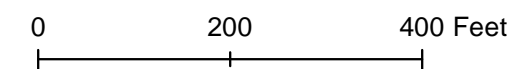
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FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



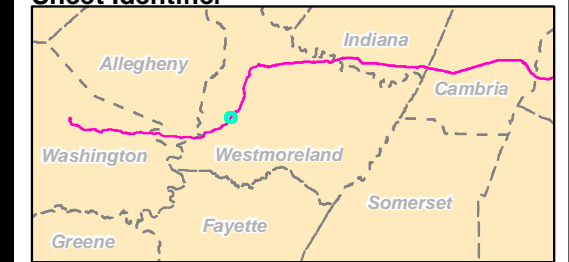
Sheet 21 Scale 1:2400

Prepared By: 	Date: 10/2016
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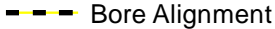
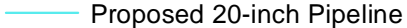
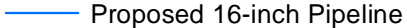


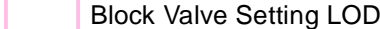









Floodplain & Floodway Data:
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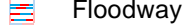


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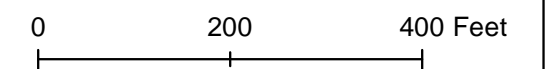
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-  Proposed 20-inch Pipeline
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FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



Sheet 22

Scale 1:2400

Prepared By:



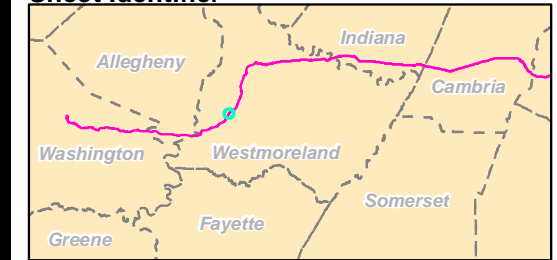
Date:

10/2016



















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







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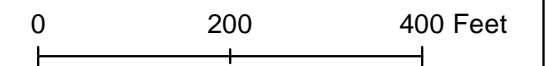
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-  Bore Alignment
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FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



Sheet 23 **Scale 1:2400**

Prepared By: 	Date: 10/2016
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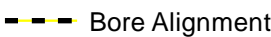
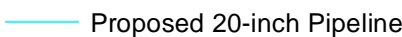
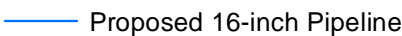












Floodplain & Floodway Data:
National Flood Hazard GIS Layer
Downloaded October, 2015
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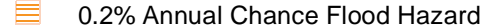

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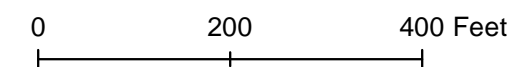
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-  Bore Alignment
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-  Proposed 16-inch Pipeline
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FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



Sheet 24 **Scale 1:2400**

Prepared By: 	Date: 10/2016
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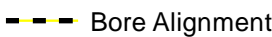
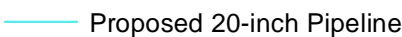
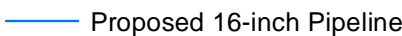












Floodplain & Floodway Data:
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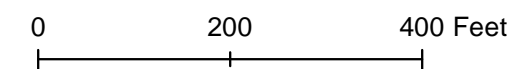
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FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



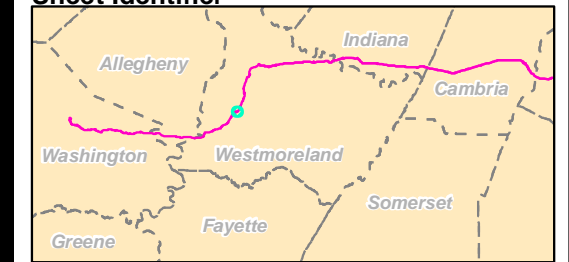
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Prepared By: 	Date: 10/2016
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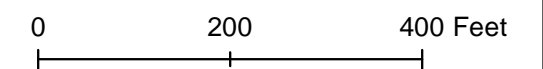
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FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



Sheet 26 **Scale 1:2400**

Prepared By: 	Date: 10/2016
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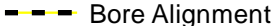
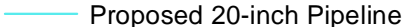
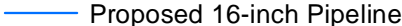






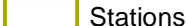





Floodplain & Floodway Data:
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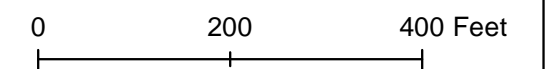
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FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



Sheet 27 **Scale 1:2400**

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




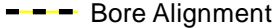
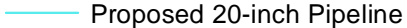
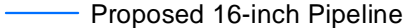












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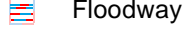


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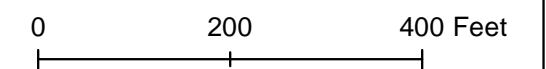
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Sheet 28 Scale 1:2400

Prepared By:



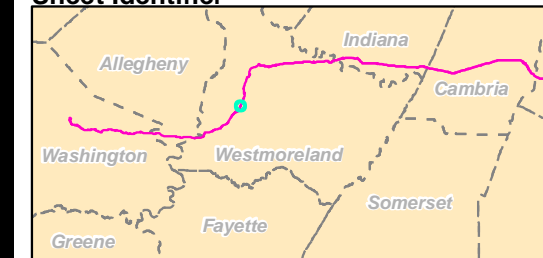
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10/2016




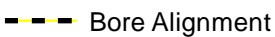
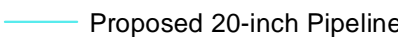
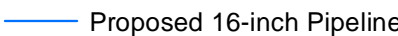












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National Flood Hazard GIS Layer
Downloaded October, 2015
<http://www.floodmaps.fema.gov/NFHL/status.shtml>







Sheet Identifier



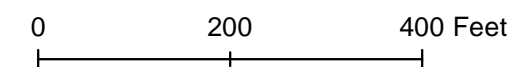
Legend

-  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 29 **Scale 1:2400**

Prepared By: 	Date: 10/2016
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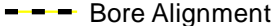
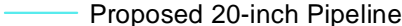
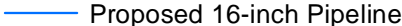












Floodplain & Floodway Data:
National Flood Hazard GIS Layer
Downloaded October, 2015
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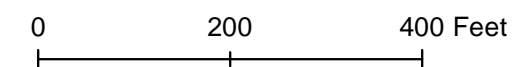
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Flood Hazard Zones

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FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



Sheet 30 **Scale 1:2400**

Prepared By: 	Date: 10/2016
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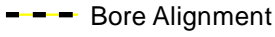
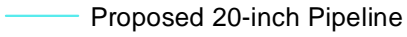
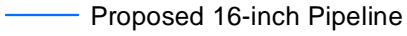



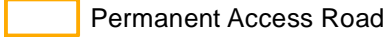
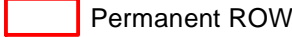
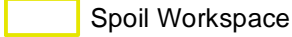

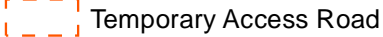
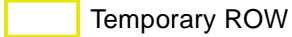


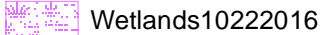
Floodplain & Floodway Data:
 National Flood Hazard GIS Layer
 Downloaded October, 2015
<http://www.floodmaps.fema.gov/NFHL/status.shtml>




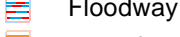


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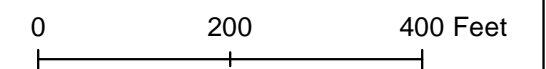
Legend

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Flood Hazard Zones

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

FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



Sheet 31

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>



PENN
HEMPFIELD

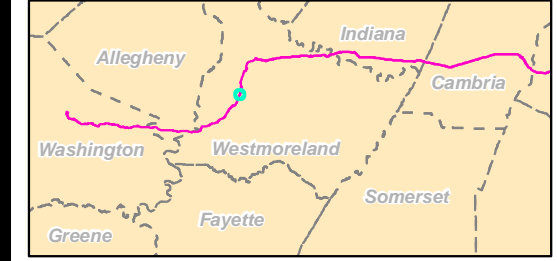
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PENN
JEANNETTE




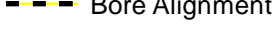
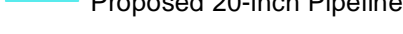
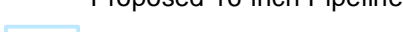







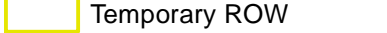
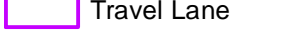
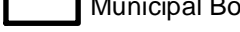
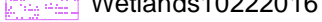

JEANNETTE
HEMPFIELD

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Sheet Identifier



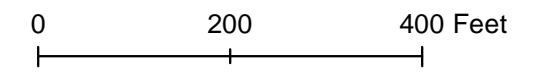
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FEMA NFHL Designated Floodplains along the Sunoco Pennsylvania Pipeline Project



Sheet 32 **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>





November 4, 2016

Hempfield Township
Board of Supervisors
1132 Woodland Drive, Suite A
Greensburg, PA 15601

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

Dear Supervisors:

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech, Inc. is writing to provide updated workspaces/floodplain maps associated with the Pennsylvania Pipeline Project (Project) in Hempfield Township (Township) as part of our Chapter 105 Water Obstruction and Encroachment Permit Application and request for Act 167 Stormwater/Floodplain Management Consistency Request. Similar to our previous request on December 22, 2015, we continue to seek consistency from Hempfield Township in regard to the local Floodplain Management and Stormwater Management Program 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. This letter is being sent in addition to ongoing coordination with the Township for stormwater. Attached are the latest Project mapping identifying the revised Project workspaces in the Township. The updated workspaces are highlighted as additions and subtractions in the maps provided. Note minor additions and subtractions in the workspace were identified required for the Project pipeline ROW on Sheets 19, 20, 24, 25, 26, and 32.

As shown, the latest changes to the workspace do not affect our previous stormwater analysis. The Project is designed, and will be constructed and operated in compliance with Turtle Creek Watershed Act 167 Stormwater Management Plan and all applicable provisions of 25 Pennsylvania Code, Chapter 102 Regulations.

Consistent with the maps we previously sent, no aboveground facilities and no new access roads are proposed in FEMA designated floodways or 100-year floodplains. A small amount of the newly added workspace (on Sheet 26) is located within a 100-year floodplain. However, this workspace will be used for travel lane purposes including laying of timber mats temporarily for the duration of construction in order to cross a wetland. Once construction is complete, this timber mat would be removed and wetland restored. No other newly added workspaces are located within FEMA-designated floodways or floodplains.

Based on the above information, we have determined that the revised workspace does not affect our previous consistency analysis. Please provide input or if you have further questions/comments, please contact me, Ailene Batoon, or Rachel Silva at (716) 849-9419 or via email at ailene.batoon@tetrattech.com or 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 circular stamp or seal.

Ailene Batoon

Enclosures: Updated Site Plan/Floodplain Maps

Tetra Tech

301 Ellicott St, Buffalo, New York 14203
Tel 716.849.9419 Fax 716.849.9420 www.tetrattech.com