



November 2, 2016

Deborah Ealer
North Middleton Township Manager
2051 Spring Road
Carlisle, PA 17013

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

Dear Ms. Ealer:

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 North Middleton 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 January 19, 2016, the Township confirmed the Project's consistency with the Township's Stormwater/Floodplain management programs. 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 North Middleton Township, which has incorporated the Cumberland County Stormwater Management Plan into its stormwater management regulations. 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.

Consistent with the letter we previously sent, no aboveground facilities or new access roads are proposed in FEMA designated floodways or 100-year floodplains. However, newly added permanent ROW and ATWS just south of Creek Road (on Sheet 31) would be located within a FEMA-designated floodway. Use of the temporary workspace would be temporary and limited to construction use only. No fill or aboveground structures would be required or located within the permanent ROW, and thus no changes to the base flood elevation are anticipated. A new block valve just north of Creek Road has been incorporated into the Project (on Sheet 30), but has been sited outside of any floodways or floodplains. The Project pipeline ROW continues to cross FEMA designated floodways and Special Flood Hazard Areas Zone A and Zone AE. 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.

Tetra Tech

301 Ellicott St, Buffalo, New York 14203

Tel 716.849.9419 Fax 716.849.9420 www.tetrattech.com



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 or rachel.silva@tetrattech.com within 30 days of receipt of this letter. Thank you for your time.

Sincerely,

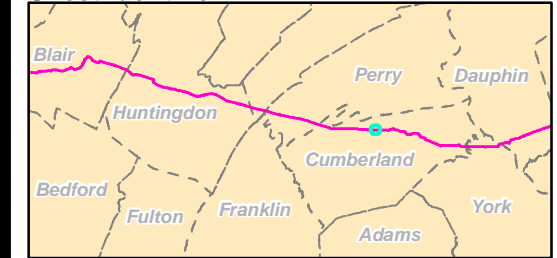
A handwritten signature in black ink, appearing to read 'Ailene Batoon'.

Ailene Batoon
Tetra Tech, Inc.



















Enclosures: Updated Site Plan/Floodplain Maps

NORTH
MIDDLETON
LOWER
FRANKFORD





Sheet Identifier



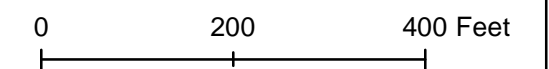
Legend

-  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
-  Wetlands

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 23 Scale 1:2400

Prepared By:



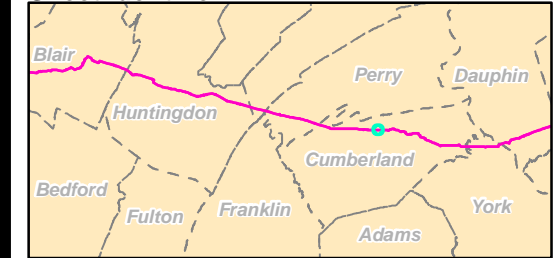
Date:

10/2016



















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







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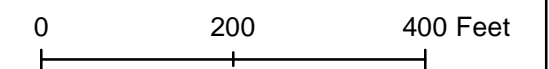
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Sheet 24 **Scale 1:2400**

Prepared By:



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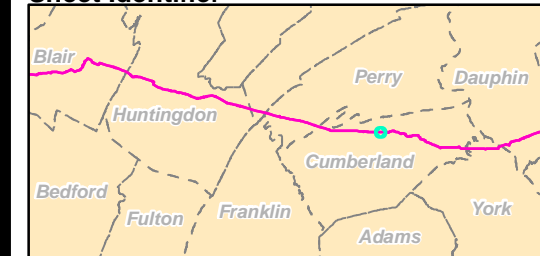
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NORTH
 MIDDLETON
 LOWER FRANKFORD





Sheet Identifier



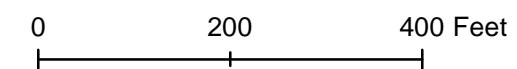
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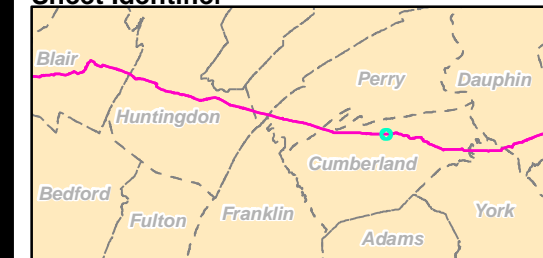
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


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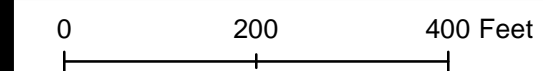
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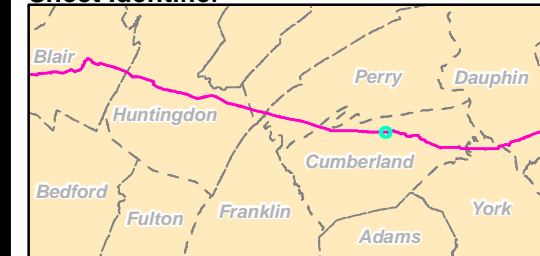
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










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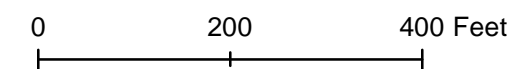
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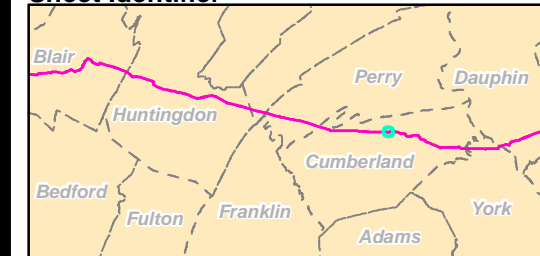
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Prepared By: 	Date: 10/2016
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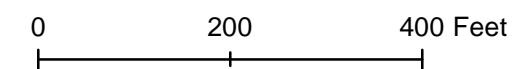
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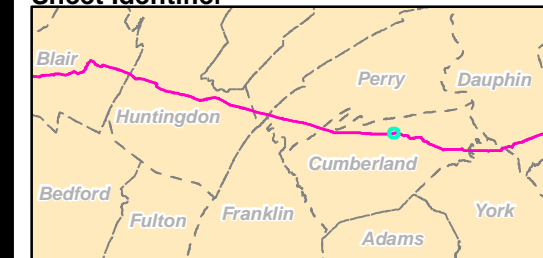
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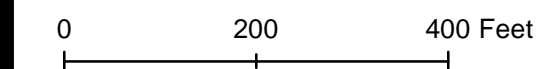
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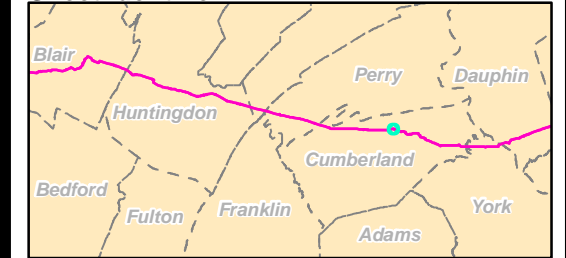


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


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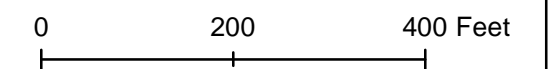
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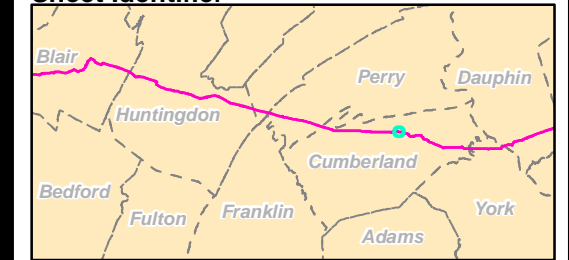
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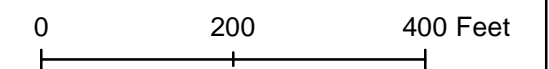
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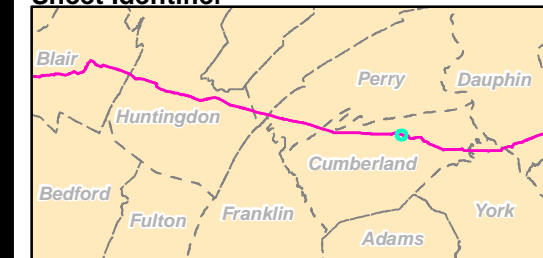
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










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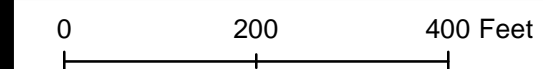
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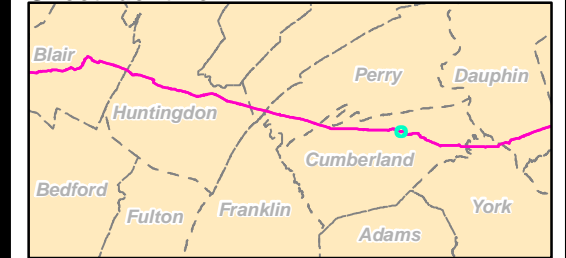
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


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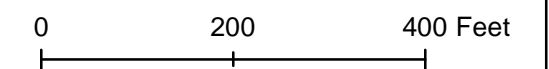
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Sheet 33 **Scale 1:2400**

Prepared By: 	Date: 10/2016
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MIDDLESEX
 NORTH
 MIDDLETON

From: TrackingUpdates@fedex.com
Sent: Thursday, November 03, 2016 11:23 AM
To: Silva, Rachel
Subject: FedEx Shipment 777616966335 Delivered

Your package has been delivered


Tracking # 777616966335

Ship date: Wed, 11/2/2016	Delivery date: Thu, 11/3/2016 11:17 am	
AILENE BATOON TETRA TECH - HOME Buffalo, NY 14203 US	 Delivered	Deborah A. Ealer, Township Manager North Middleton Township 2051 Spring Road CARLISLE, PA 17013 US

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	777616966335
Status:	Delivered: 11/03/2016 11:17 AM Signed for By: J.SMITH
Reference:	112IC05958, 16
Signed for by:	J.SMITH
Delivery location:	CARLISLE, 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:	11/3/2016 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 10:23 AM CDT on 11/03/2016.

