

SPLP has had revisions to the proposed workspaces in Westmoreland County since submittal of the Chapter 105 and 102 Permit Applications in March 2016. These revisions have been the result of landowner requests, agency requests, the avoidance of sensitive species or their habitats, and/or to further reduce impacts to aquatic resources. The additions and subtractions to the workspaces are listed and quantified within Table 1. In addition, this attachment highlights the location and extent of these additions and subtractions to the workspaces on a set of site plans. Each addition/subtraction has been assigned an identification code and that code is reflected below and on the set of site plans. The additions and subtractions are listed from west to east. A total of approximately 8.5156 acres was added and 1.4720 acres subtracted for a net increase of 7.0436 acres of earth disturbance.

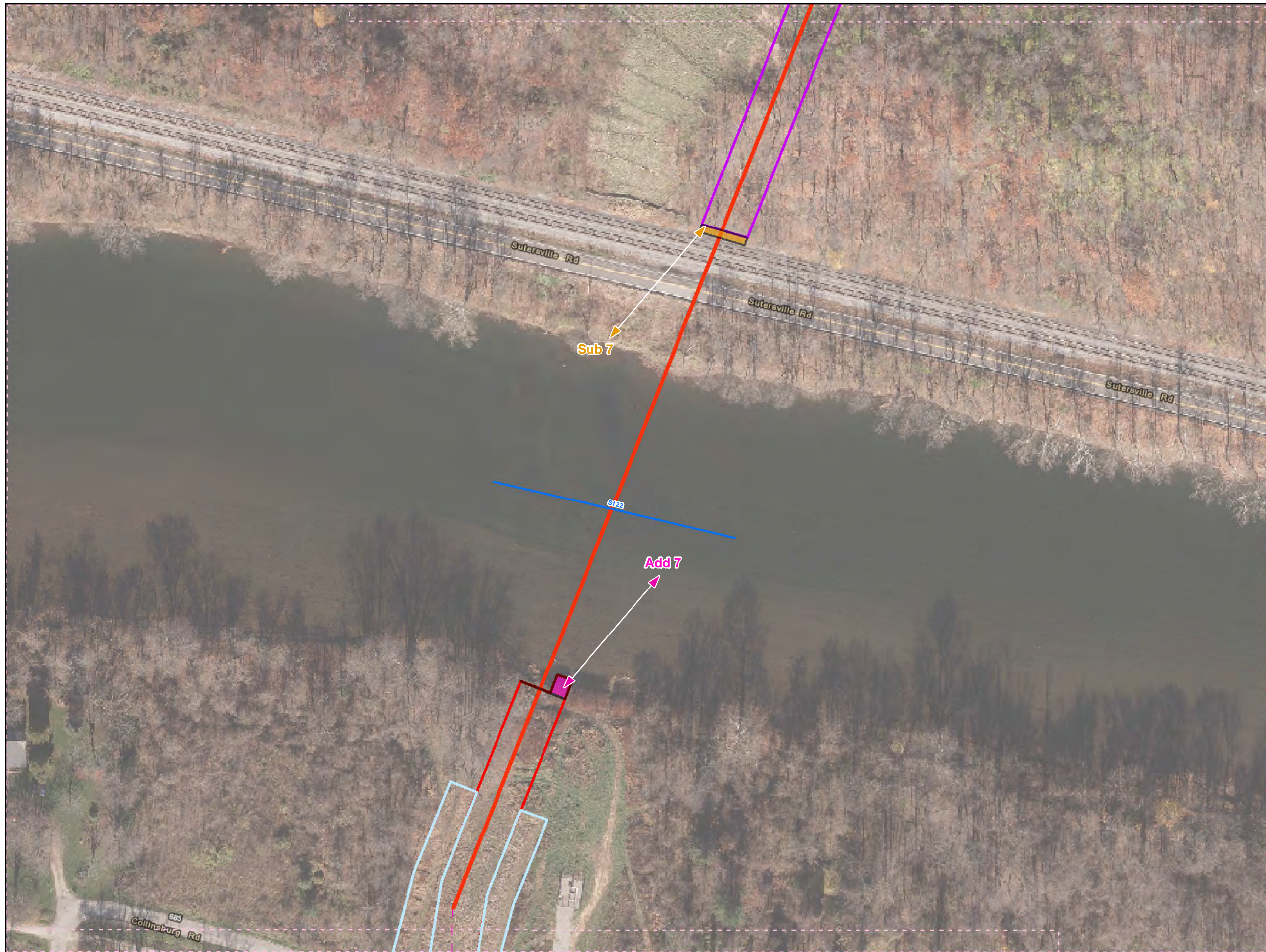
**Table 1. Pennsylvania Pipeline Project LOD Additions and Subtractions.**

CHANGE ID	COUNTY	REASON FOR CHANGE	ACREAGE	LOD ADDITION OR SUBTRACTION	WETLAND DELINEATION <sup>1</sup>	PNDI EVALUATION <sup>2</sup>	SHEET NUMBER
Add-7	WESTMORELAND	Minor LOD adjustment needed to facilitate safe installation.	0.0082	Addition	Yes	Yes	12
Sub-7	WESTMORELAND	Minor LOD adjustment needed to avoid railroad impact.	0.0092	Subtraction	NA	NA	12
Sub-8	WESTMORELAND	Minor LOD adjustment to avoid impact to public road	0.0019	Subtraction	NA	NA	18
Sub-9	WESTMORELAND	Temporary construction workspace no longer needed	0.0525	Subtraction	NA	NA	24
Add-8	WESTMORELAND	Minor LOD adjustment to minimize access road impact	0.1879	Addition	Yes	Yes	37
Sub-10	WESTMORELAND	Minor LOD adjustment to minimize access road impact	0.4059	Subtraction	NA	NA	37
Sub-11	WESTMORELAND	Temporary access road adjustment to avoid wetland impacts	0.0873	Subtraction	NA	NA	41
Sub-12	WESTMORELAND	Temporary access road adjustment to avoid pre-existing valve	0.1210	Subtraction	NA	NA	44
Add-9	WESTMORELAND	Minor LOD adjustment needed to facilitate safe installation	0.0338	Addition	Yes	Yes	57

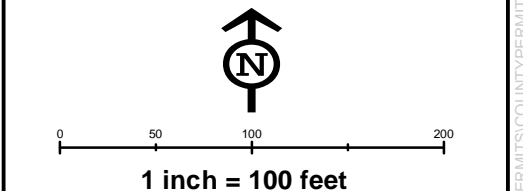
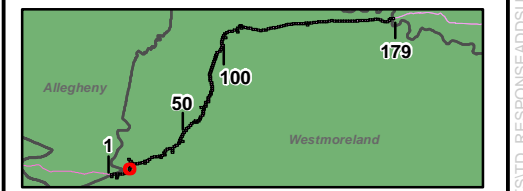
<b>CHANGE ID</b>	<b>COUNTY</b>	<b>REASON FOR CHANGE</b>	<b>ACREAGE</b>	<b>LOD ADDITION OR SUBTRACTION</b>	<b>WETLAND DELINEATION<sup>1</sup></b>	<b>PNDI EVALUATION<sup>2</sup></b>	<b>SHEET NUMBER</b>
Add-10	WESTMORELAND	Minor LOD adjustment needed to facilitate safe installation	0.0317	Addition	Yes	Yes	73
Add-11	WESTMORELAND	Minor LOD adjustment needed to facilitate safe installation	0.0518	Addition	Yes	Yes	71
Sub-13	WESTMORELAND	Decreased cleared area necessary for travel	0.0060	Subtraction	NA	NA	106
Sub-14	WESTMORELAND	Temporary access road no longer needed	0.6639	Subtraction	NA	NA	104
Delmont Station Add-12	WESTMORELAND	Minor LOD adjustment to use existing access road	3.7002	Addition	Yes	Yes	115
Delmont Station Sub-15	WESTMORELAND	Permanent access road no longer needed	0.0278	Subtraction	NA	NA	118
Add-13	WESTMORELAND	Minor LOD adjustment needed to facilitate safe installation	0.1532	Addition	Yes	Yes	131
Sub-16	WESTMORELAND	Minor LOD adjustment to minimize waterbody impact	0.0169	Subtraction	NA	NA	144
Sub-17	WESTMORELAND	Minor LOD adjustment to minimize waterbody impact	0.0167	Subtraction	NA	NA	162
Add-14	WESTMORELAND	Temporary access road to avoid wetland and waterbody impacts	0.3221	Addition	Yes	Yes	164
Add-15	WESTMORELAND	LOD adjustment needed to facilitate safe installation	2.2987	Addition	Yes	Yes	172
Add-16	WESTMORELAND	LOD adjustment needed to facilitate safe installation	1.7280	Addition	Yes	Yes	173
Sub-18	WESTMORELAND	Minor LOD adjustment needed to facilitate safe installation	0.0629	Subtraction	NA	NA	172

1 – The added area was field investigated for aquatic resources. Not applicable is listed for LOD subtractions.

2 – The added area was originally evaluated for PNDI. Not applicable is listed for LOD subtractions.



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**Workspace Changes for the Sunoco  
Pennsylvania Pipeline Project,  
Westmoreland County, PA.  
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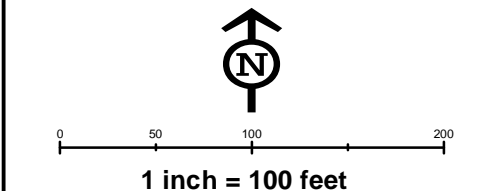
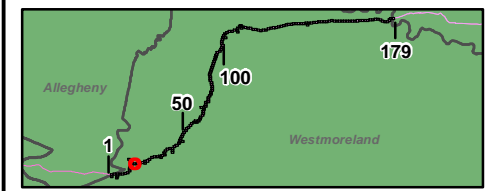
Prepared By: 	Date: <b>10/2016</b>
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Base Map: Sunoco, 2013-2016  
 Roads: ESRI World Imagery Transportation  
 Coordinate System: NAD 83 Stateplane, PA South, Feet

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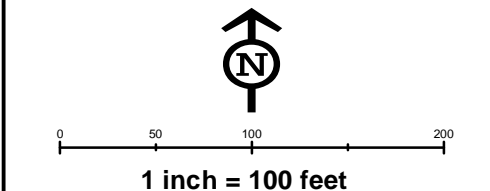
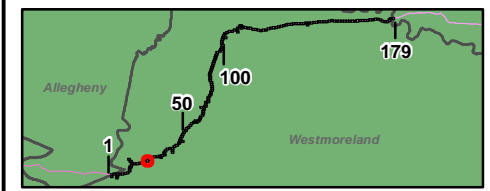
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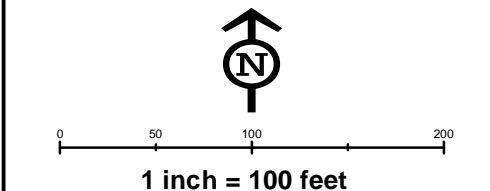
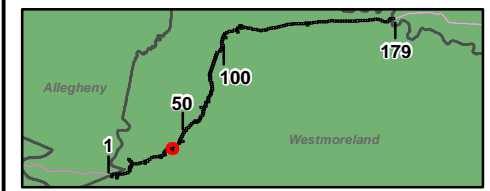
Prepared By: <b>TETRA TECH</b>	Date: <b>10/2016</b>
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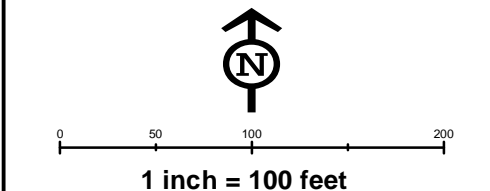
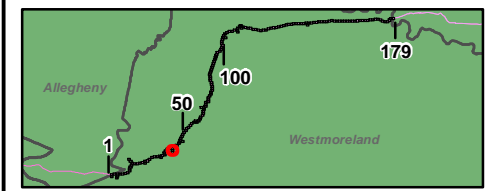
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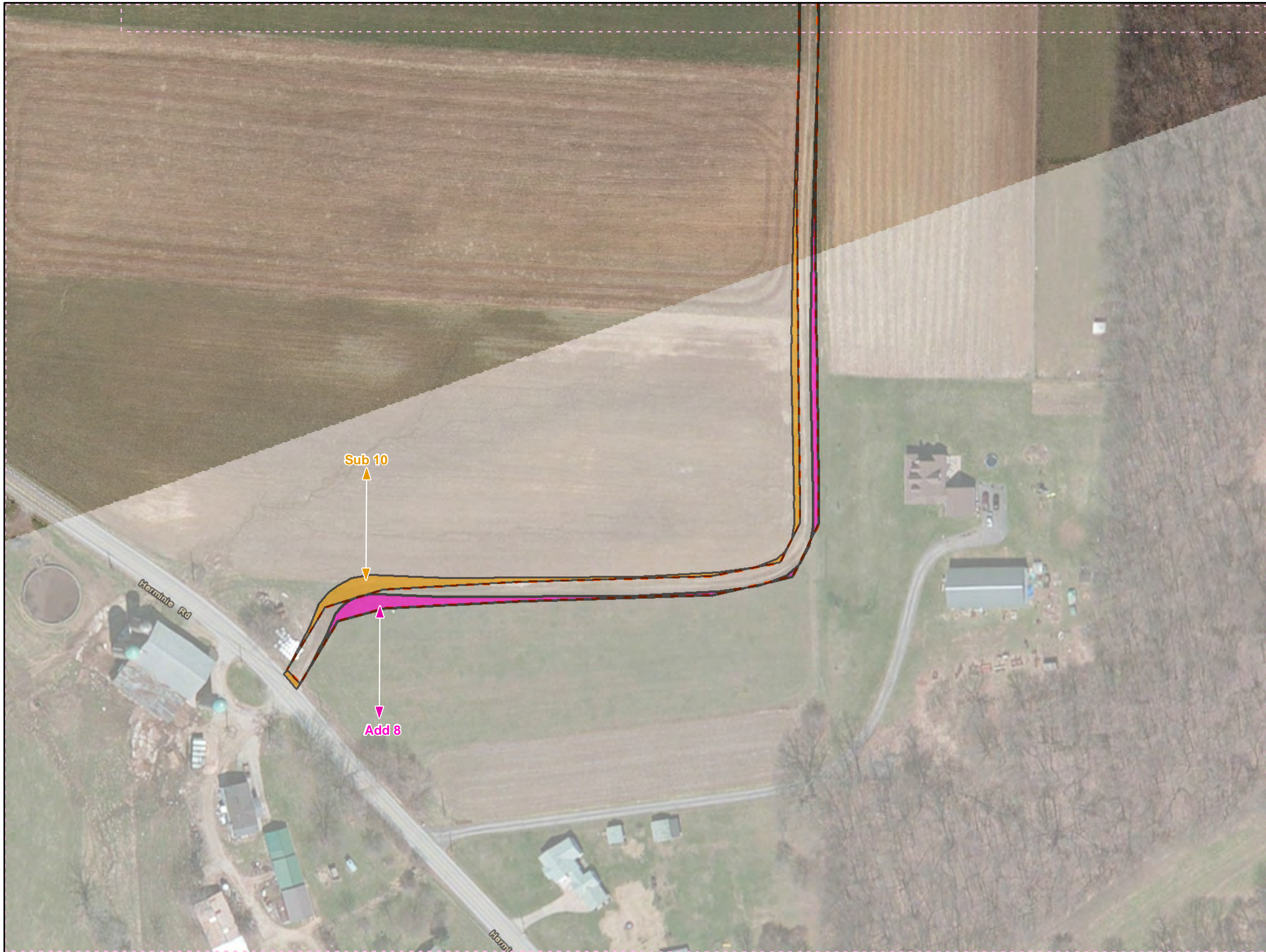


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Prepared By: 	Date: <b>10/2016</b>
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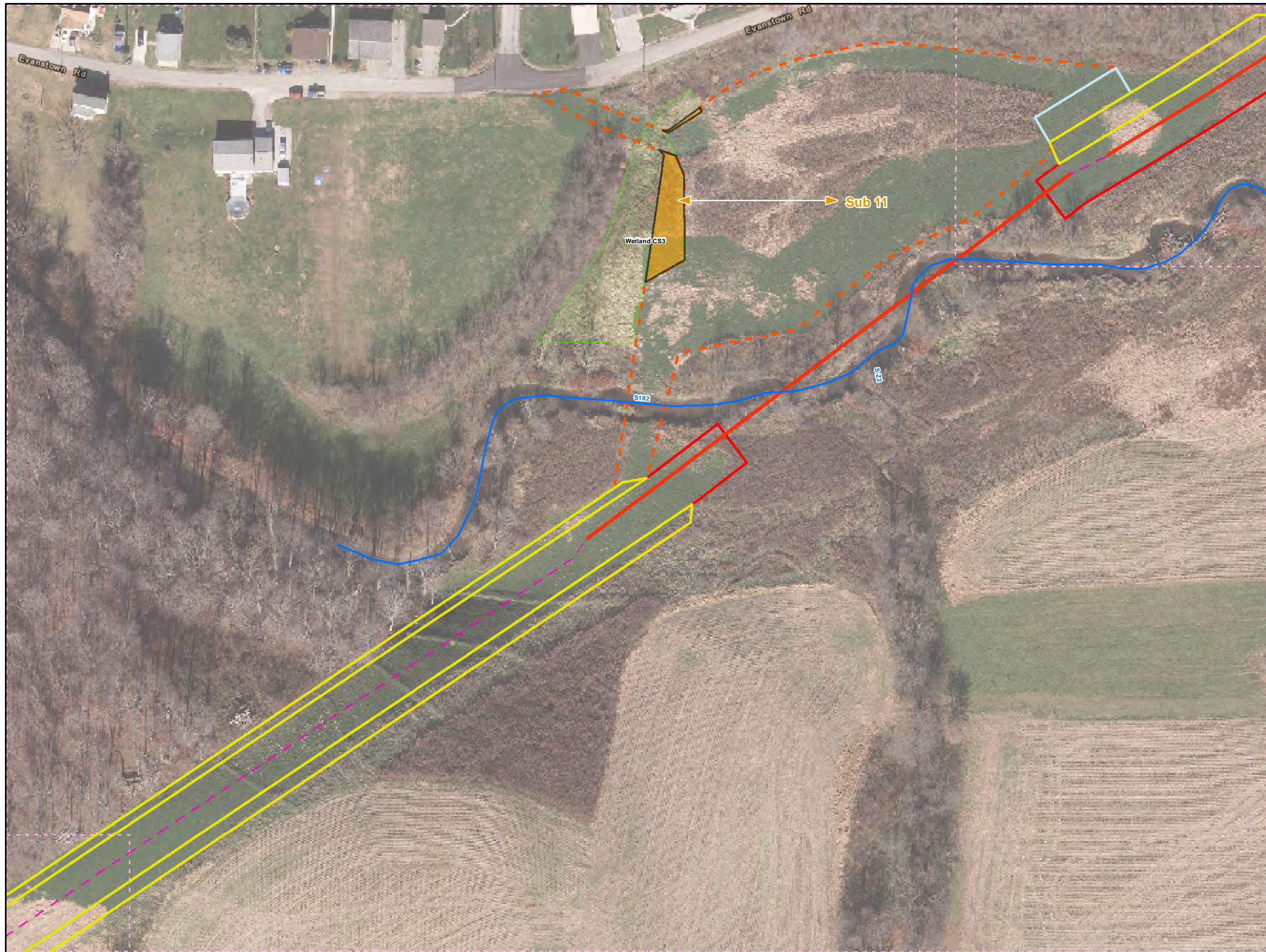
**1 inch = 100 feet**

**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Westmoreland County, PA.**  
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Prepared By:	Date:
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**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Westmoreland County, PA.**  
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Prepared By: 	Date: <b>10/2016</b>
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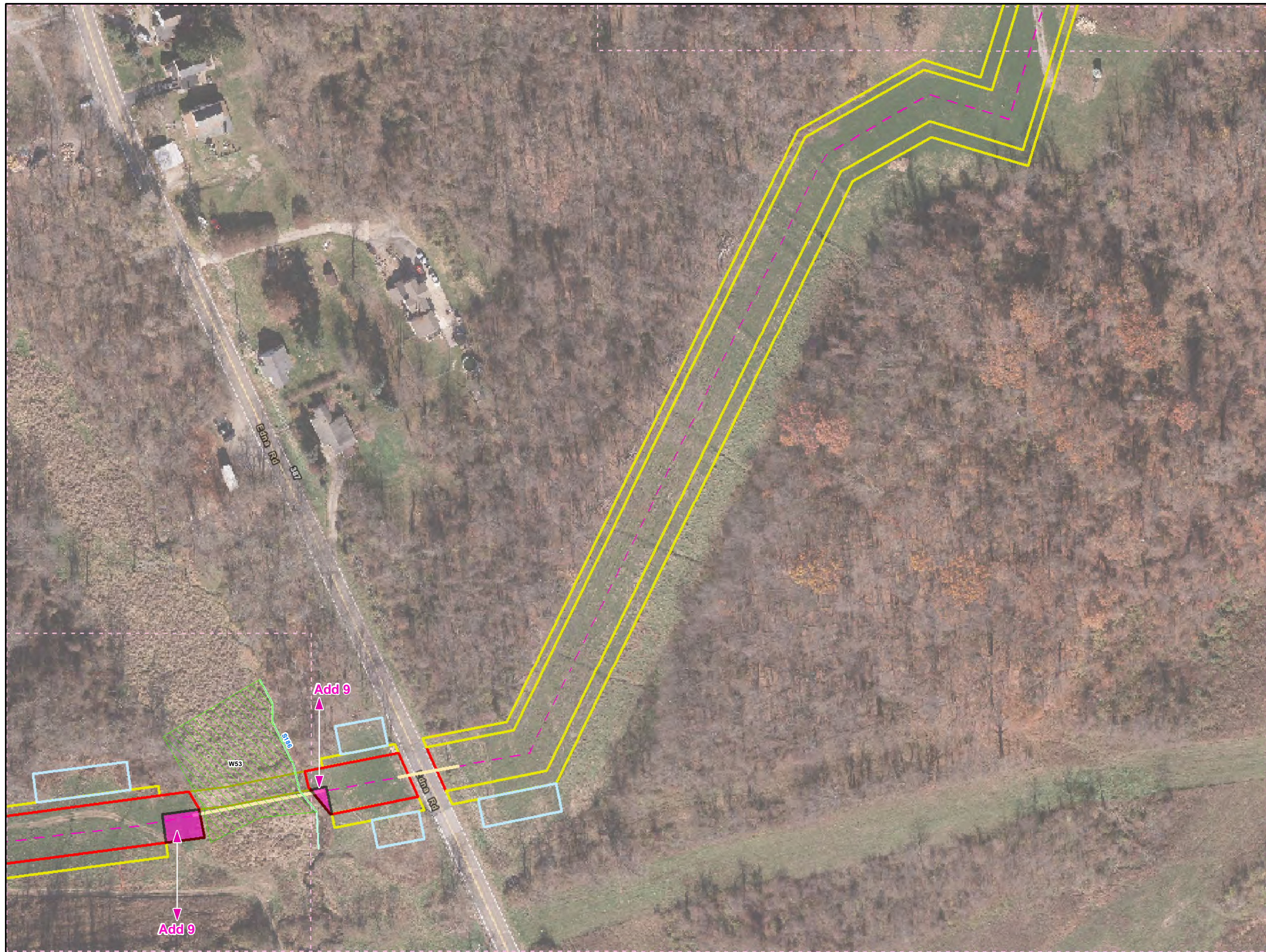
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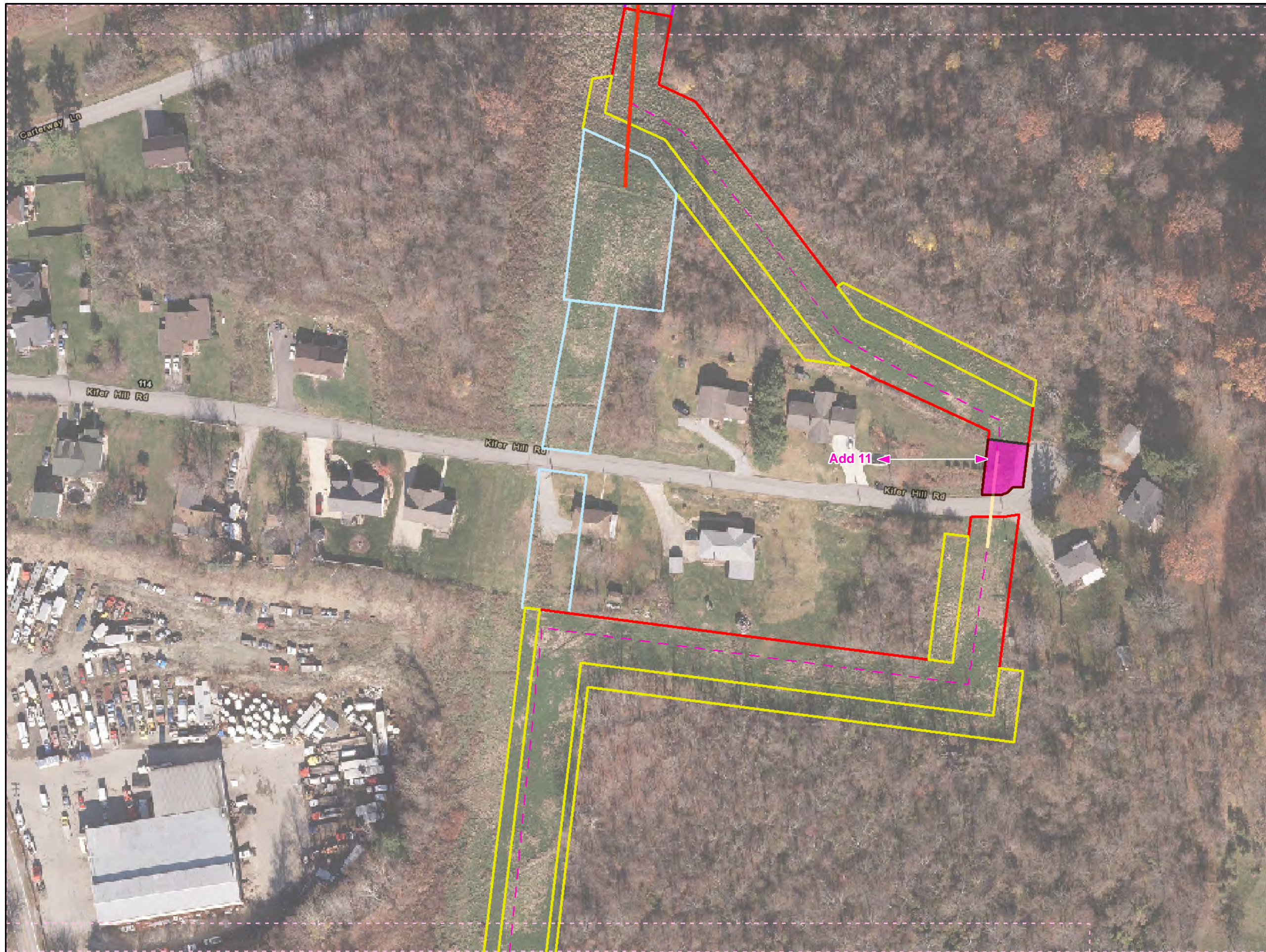
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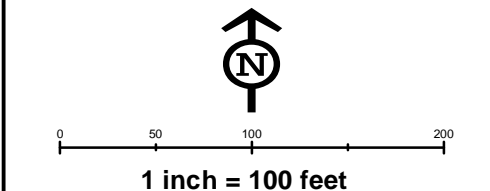
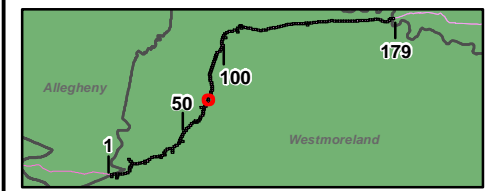
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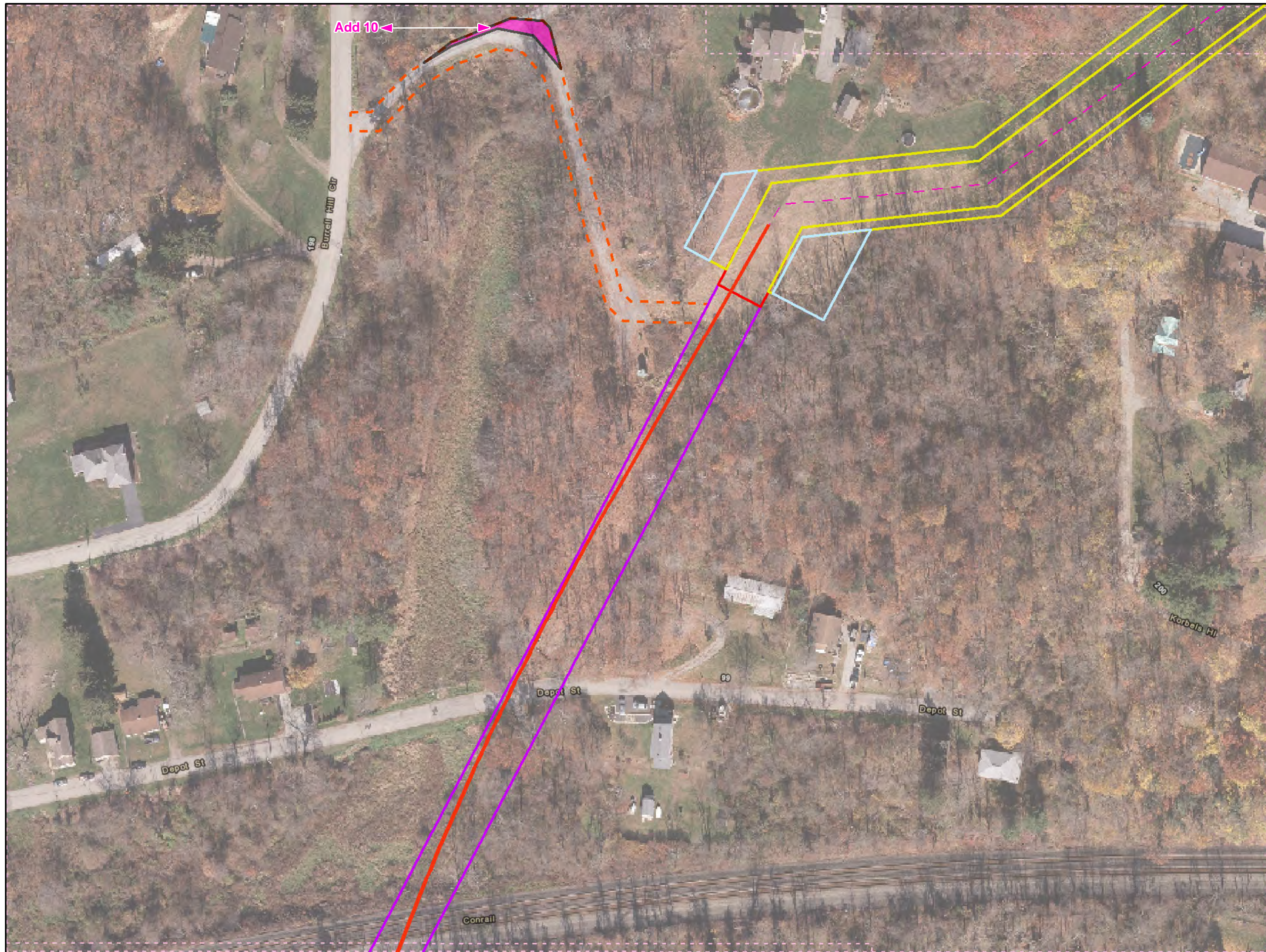


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Prepared By: 	Date: <b>10/2016</b>
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0 50 100 200  
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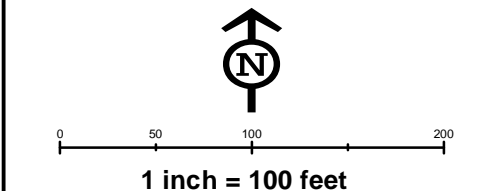
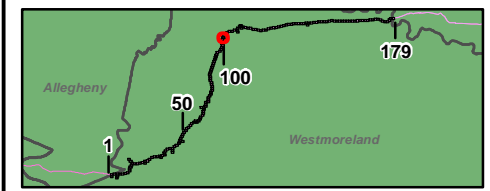
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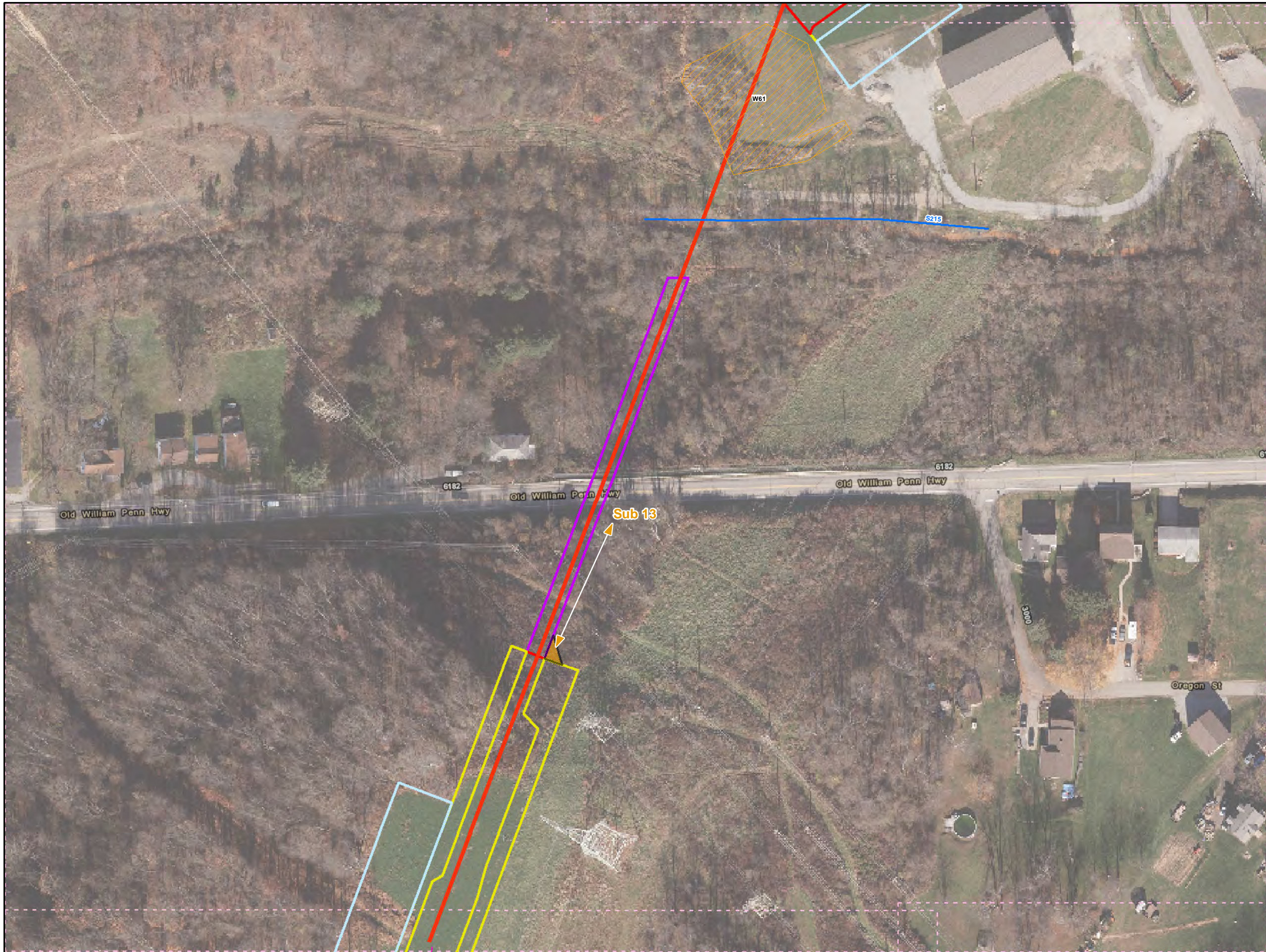
**Workspace Changes for the Sunoco  
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<b>Prepared By:</b> 	<b>Date:</b> <b>10/2016</b>
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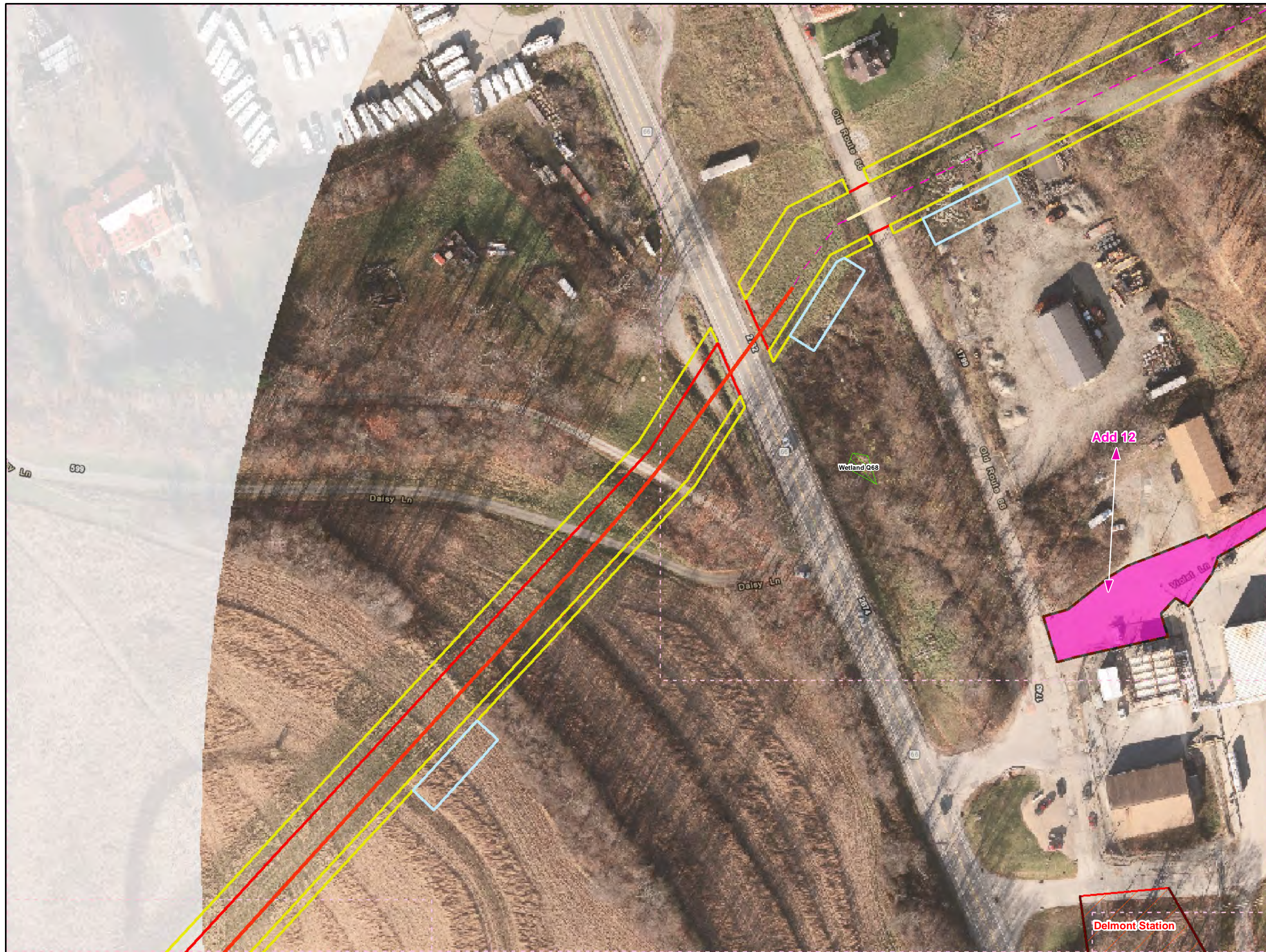
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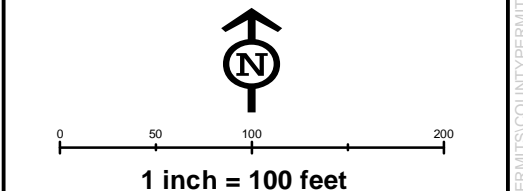
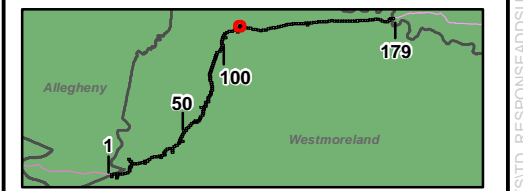
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  - Additional Temporary Workspace or ATWS
  - Block Valve Setting LOD
  - Permanent Access Road
  - Temporary Access Road
  - Travel LOD
  - Travel and Clearing LOD
  - Station
  - Ephemeral Stream
  - Intermittent Stream
  - Perennial Stream
  - Pond
  - PEM
  - PFO
  - PSS

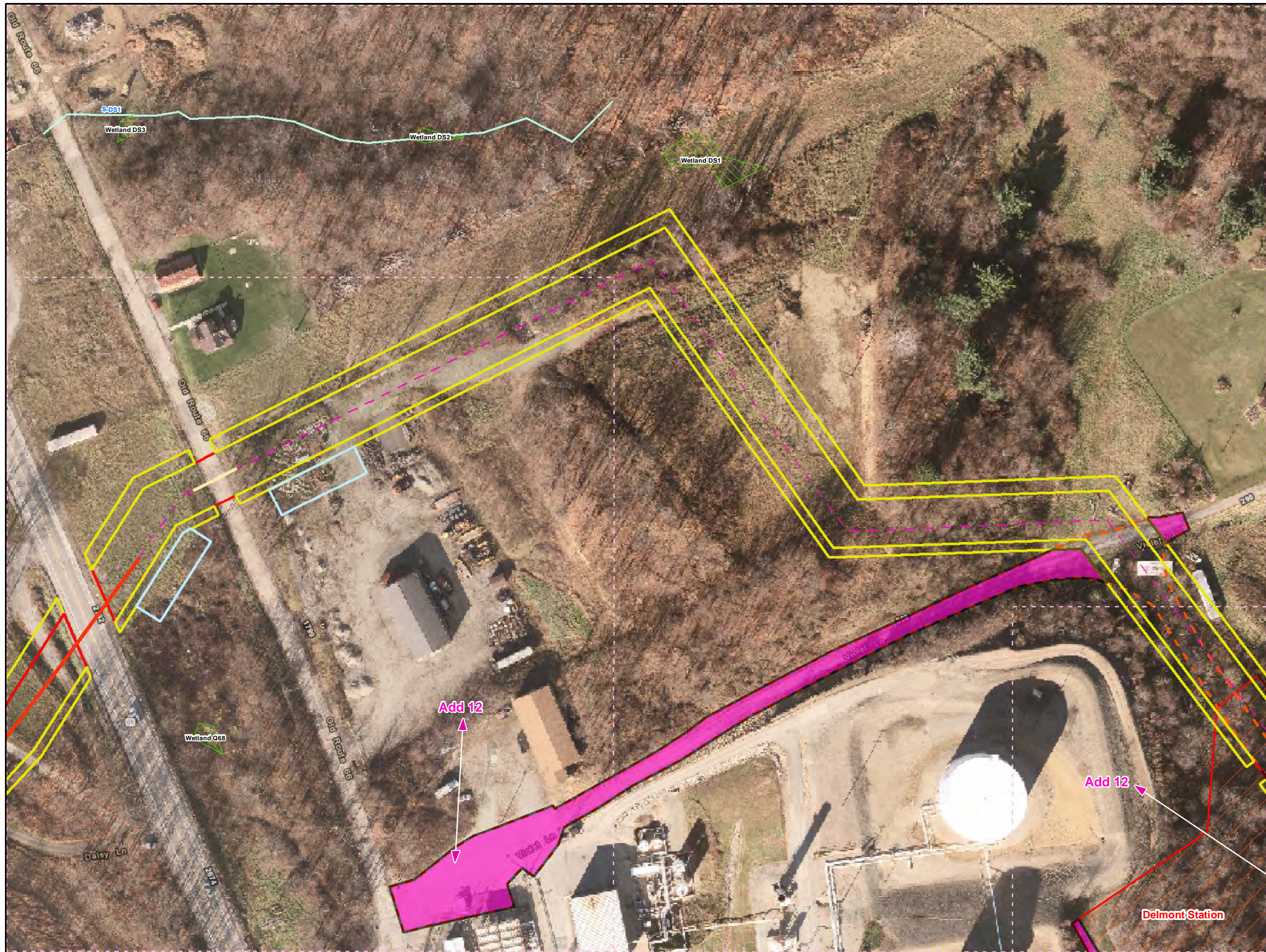


**Workspace Changes for the Sunoco  
Pennsylvania Pipeline Project,  
Westmoreland County, PA.  
115 of 179**

Prepared By: 	Date: <b>10/2016</b>
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Base Map: Sunoco, 2013-2016  
 Roads: ESRI World Imagery Transportation  
 Coordinate System: NAD 83 Stateplane, PA South, Feet

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**Legend**

- Added Workspace
- Removed Workspace
- Proposed 20-inch Pipeline
- Proposed 16-inch Pipeline
- Bore Path
- PPP 1 HDD
- PPP 2 HDD
- Permanent ROW
- Temporary Workspace
- Additional Temporary Workspace or ATWS
- Block Valve Setting LOD
- Permanent Access Road
- Temporary Access Road
- Travel LOD
- Travel and Clearing LOD
- Station
- Ephemeral Stream
- Intermittent Stream
- Perennial Stream
- Pond
- PEM
- PFO
- PSS

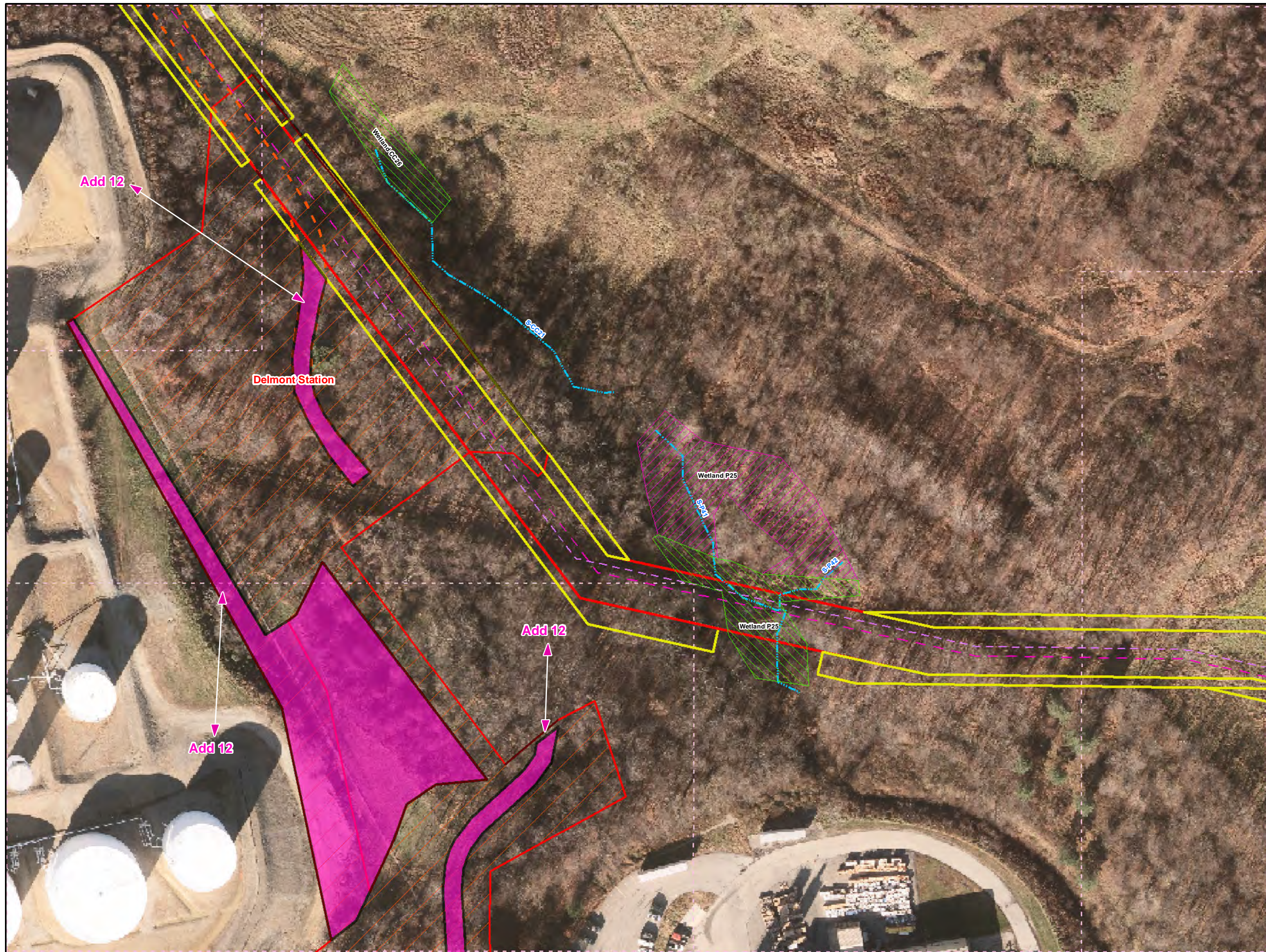
1 inch = 100 feet

**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Westmoreland County, PA.**  
116 of 179

<b>Prepared By:</b> 	<b>Date:</b> 10/2016
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Base Map: Sunoco, 2013-2016  
Roads: ESRI World Imagery Transportation  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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**Legend**

- Added Workspace
- Removed Workspace
- Proposed 20-inch Pipeline
- Proposed 16-inch Pipeline
- Bore Path
- PPP 1 HDD
- PPP 2 HDD
- Permanent ROW
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- Travel LOD
- Travel and Clearing LOD
- Station
- Ephemeral Stream
- Intermittent Stream
- Perennial Stream
- Pond
- PEM
- PFO
- PSS

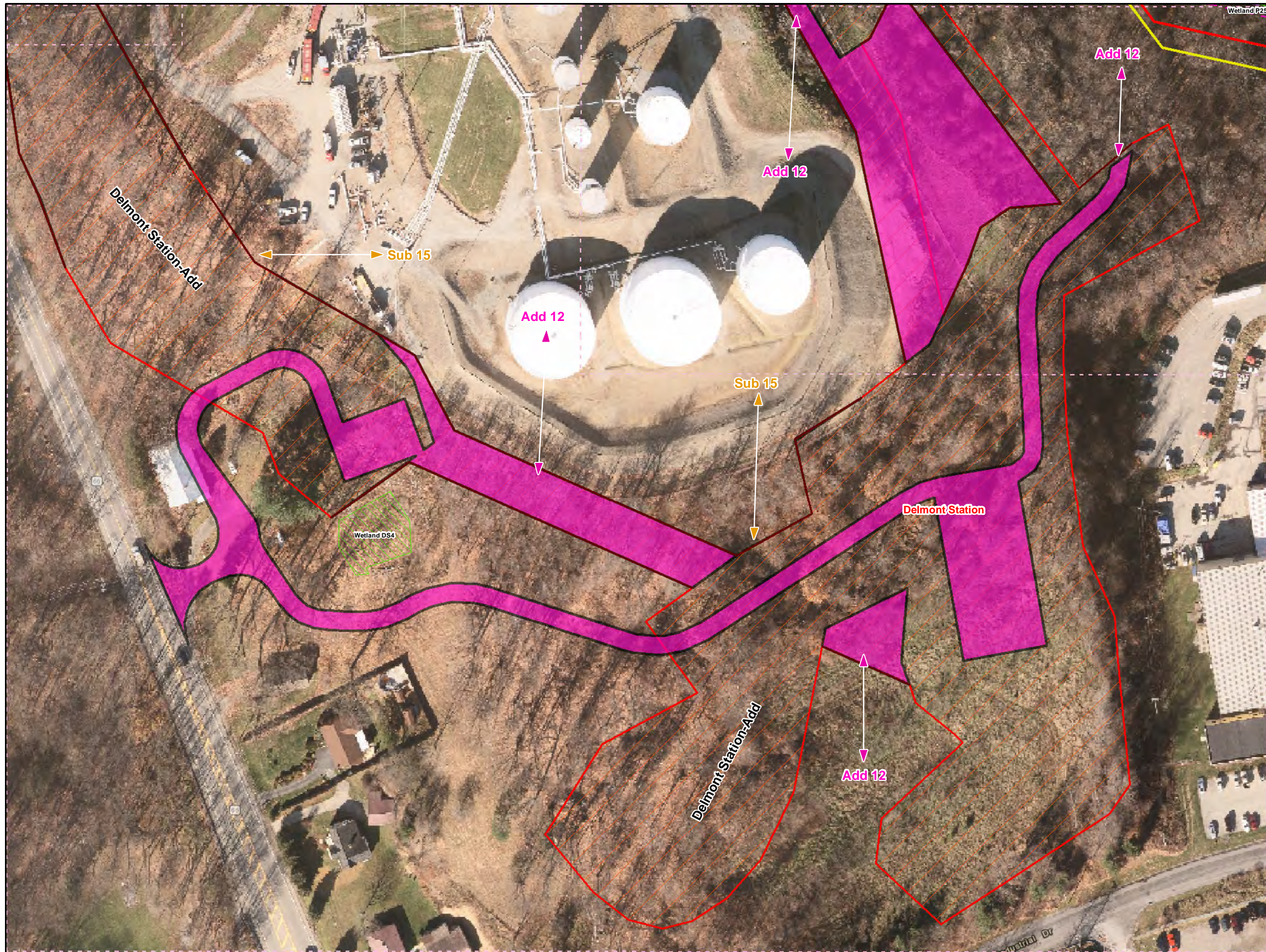
1 inch = 100 feet

**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Westmoreland County, PA.**  
117 of 179

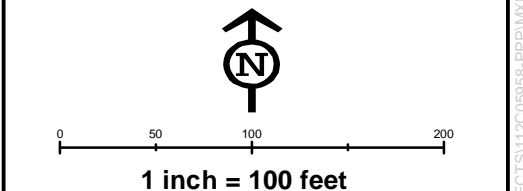
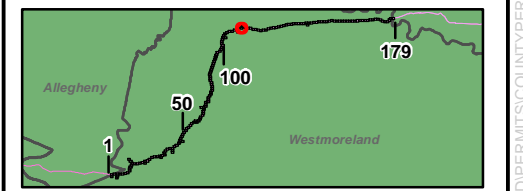
Prepared By: TETRA TECH	Date: <b>10/2016</b>
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Base Map: Sunoco, 2013-2016  
Roads: ESRI World Imagery Transportation  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- Added Workspace
  - Removed Workspace
  - Proposed 20-inch Pipeline
  - Proposed 16-inch Pipeline
  - Bore Path
  - PPP 1 HDD
  - PPP 2 HDD
  - Permanent ROW
  - Temporary Workspace
  - Additional Temporary Workspace or ATWS
  - Block Valve Setting LOD
  - Permanent Access Road
  - Temporary Access Road
  - Travel LOD
  - Travel and Clearing LOD
  - Station
  - Ephemeral Stream
  - Intermittent Stream
  - Perennial Stream
  - Pond
  - PEM
  - PFO
  - PSS

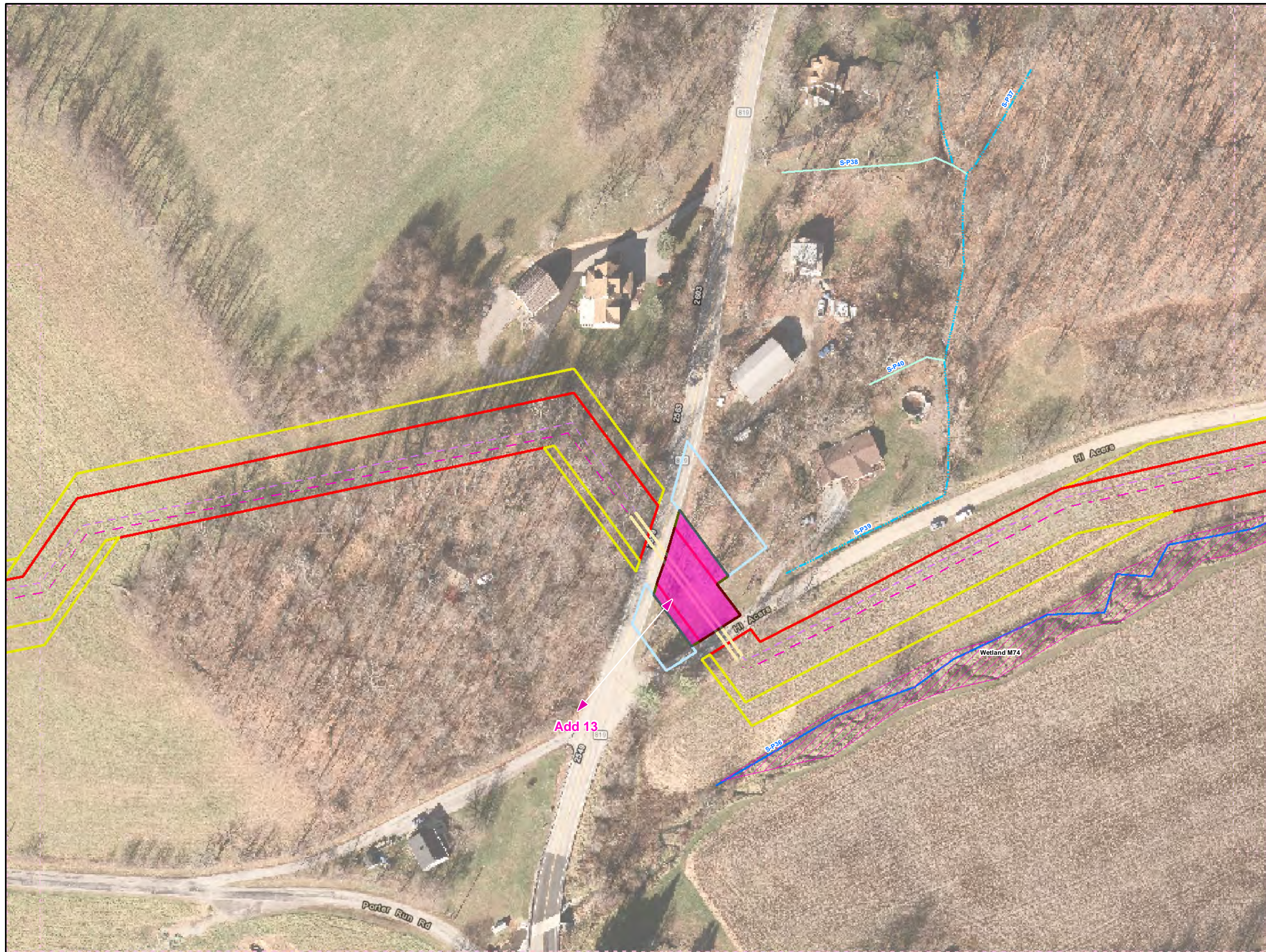


**Workspace Changes for the Sunoco  
Pennsylvania Pipeline Project,  
Westmoreland County, PA.  
118 of 179**

Prepared By: 	Date: <b>10/2016</b>
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Base Map: Sunoco, 2013-2016  
 Roads: ESRI World Imagery Transportation  
 Coordinate System: NAD 83 Stateplane, PA South, Feet

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**Legend**

- Added Workspace
- Removed Workspace
- Proposed 20-inch Pipeline
- Proposed 16-inch Pipeline
- Bore Path
- PPP 1 HDD
- PPP 2 HDD
- Permanent ROW
- Temporary Workspace
- Additional Temporary Workspace or ATWS
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- Permanent Access Road
- Temporary Access Road
- Travel LOD
- Travel and Clearing LOD
- Station
- Ephemeral Stream
- Intermittent Stream
- Perennial Stream
- Pond
- PEM
- PFO
- PSS

1  
50  
100  
179

Allegheny Westmoreland

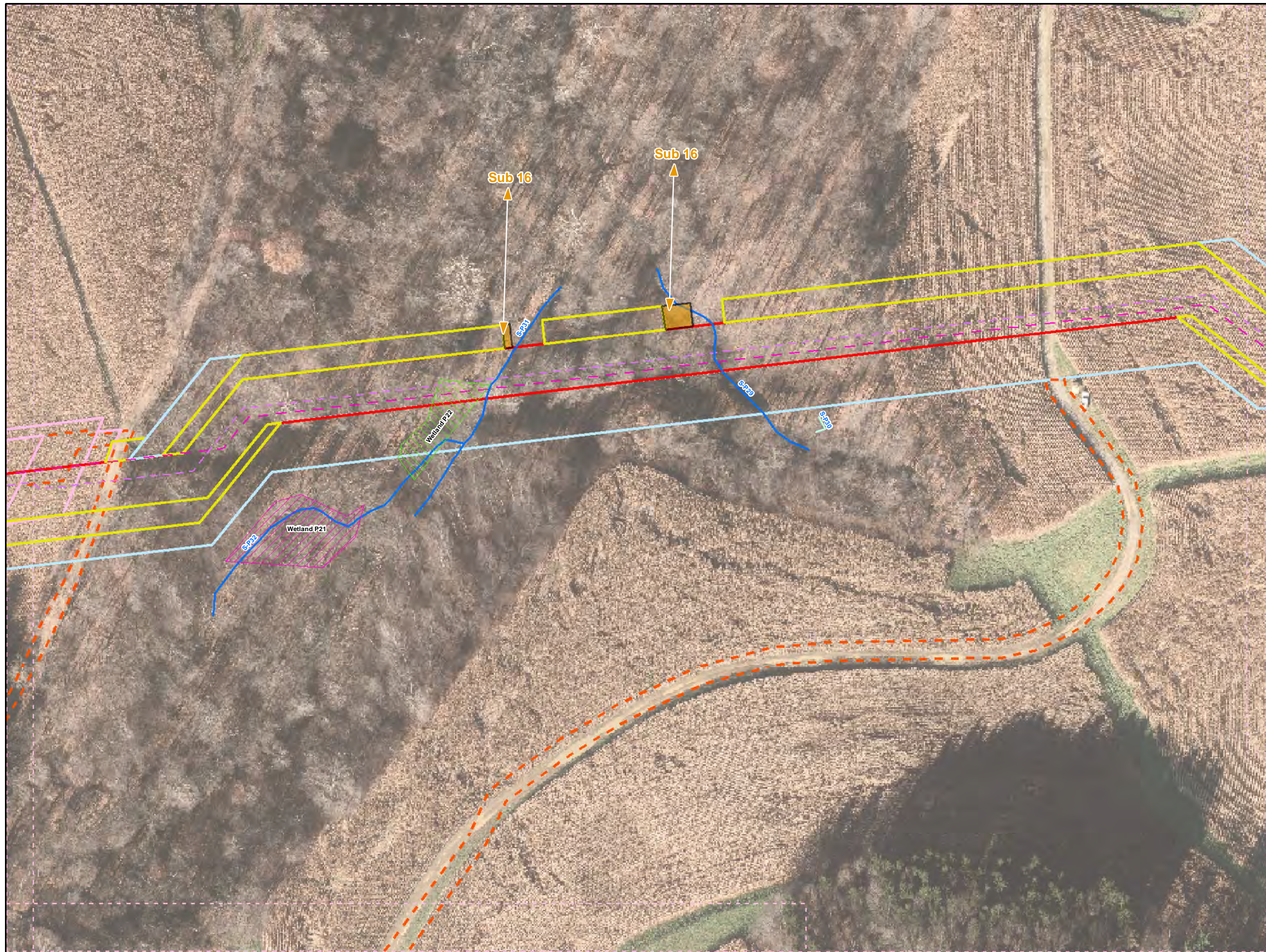
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1 inch = 100 feet

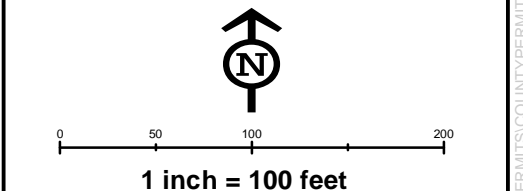
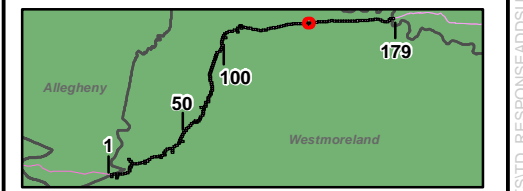
**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Westmoreland County, PA.**  
131 of 179

Prepared By: 	Date: <b>10/2016</b>
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Base Map: Sunoco, 2013-2016  
 Roads: ESRI World Imagery Transportation  
 Coordinate System: NAD 83 Stateplane, PA South, Feet



- Legend**
- Added Workspace
  - Removed Workspace
  - Proposed 20-inch Pipeline
  - Proposed 16-inch Pipeline
  - Bore Path
  - PPP 1 HDD
  - PPP 2 HDD
  - Permanent ROW
  - Temporary Workspace
  - Additional Temporary Workspace or ATWS
  - Block Valve Setting LOD
  - Permanent Access Road
  - Temporary Access Road
  - Travel LOD
  - Travel and Clearing LOD
  - Station
  - Ephemeral Stream
  - Intermittent Stream
  - Perennial Stream
  - Pond
  - PEM
  - PFO
  - PSS



**Workspace Changes for the Sunoco  
Pennsylvania Pipeline Project,  
Westmoreland County, PA.  
144 of 179**

Prepared By: 	Date: <b>10/2016</b>
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Base Map: Sunoco, 2013-2016  
 Roads: ESRI World Imagery Transportation  
 Coordinate System: NAD 83 Stateplane, PA South, Feet

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**Legend**

- Added Workspace
- Removed Workspace
- Proposed 20-inch Pipeline
- Proposed 16-inch Pipeline
- Bore Path
- PPP 1 HDD
- PPP 2 HDD
- Permanent ROW
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- Additional Temporary Workspace or ATWS
- Block Valve Setting LOD
- Permanent Access Road
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- Travel LOD
- Travel and Clearing LOD
- Station
- Ephemeral Stream
- Intermittent Stream
- Perennial Stream
- Pond
- PEM
- PFO
- PSS

0 50 100 200  
**1 inch = 100 feet**

**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Westmoreland County, PA.**  
162 of 179

<b>Prepared By:</b> 	<b>Date:</b> <b>10/2016</b>
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Base Map: Sunoco, 2013-2016  
 Roads: ESRI World Imagery Transportation  
 Coordinate System: NAD 83 Stateplane, PA South, Feet

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**Legend**

- Added Workspace
- Removed Workspace
- Proposed 20-inch Pipeline
- Proposed 16-inch Pipeline
- Bore Path
- PPP 1 HDD
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- Travel LOD
- Travel and Clearing LOD
- Station
- Ephemeral Stream
- Intermittent Stream
- Perennial Stream
- Pond
- PEM
- PFO
- PSS

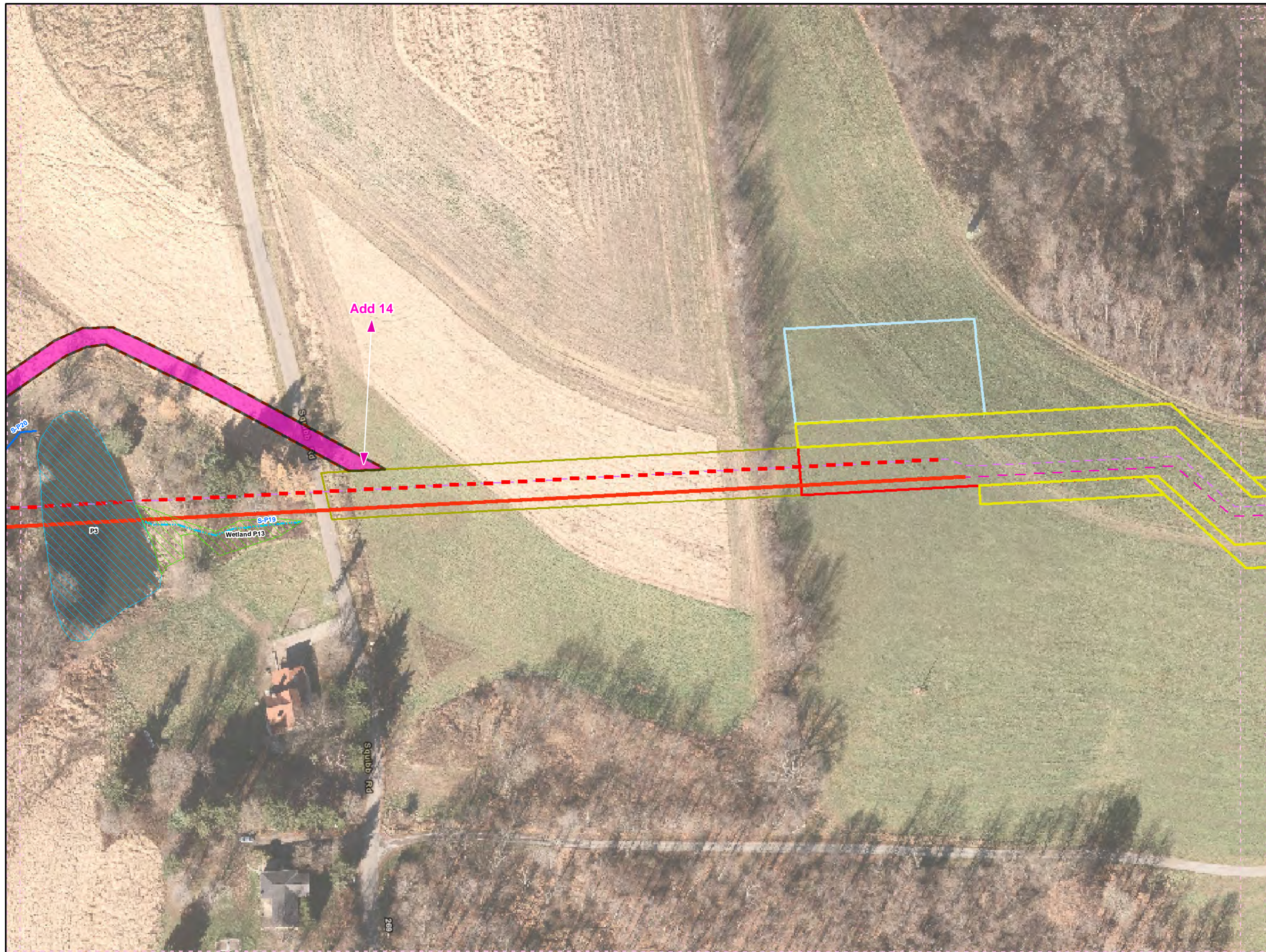
**1 inch = 100 feet**

**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Westmoreland County, PA.**  
164 of 179

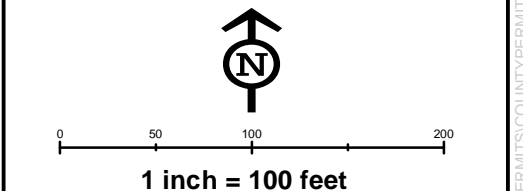
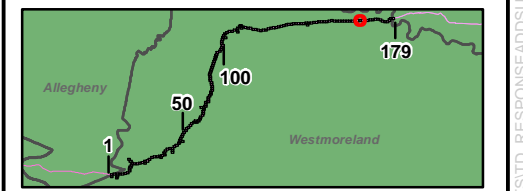
<b>Prepared By:</b> 	<b>Date:</b> <b>10/2016</b>
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Base Map: Sunoco, 2013-2016  
 Roads: ESRI World Imagery Transportation  
 Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- Added Workspace
  - Removed Workspace
  - Proposed 20-inch Pipeline
  - Proposed 16-inch Pipeline
  - Bore Path
  - PPP 1 HDD
  - PPP 2 HDD
  - Permanent ROW
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  - Pond
  - PEM
  - PFO
  - PSS



**Workspace Changes for the Sunoco  
Pennsylvania Pipeline Project,  
Westmoreland County, PA.  
165 of 179**

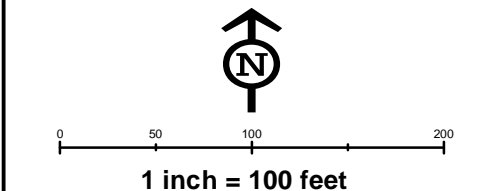
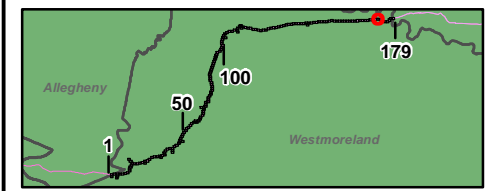
Prepared By: 	Date: <b>10/2016</b>
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Base Map: Sunoco, 2013-2016  
 Roads: ESRI World Imagery Transportation  
 Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- Added Workspace
  - Removed Workspace
  - Proposed 20-inch Pipeline
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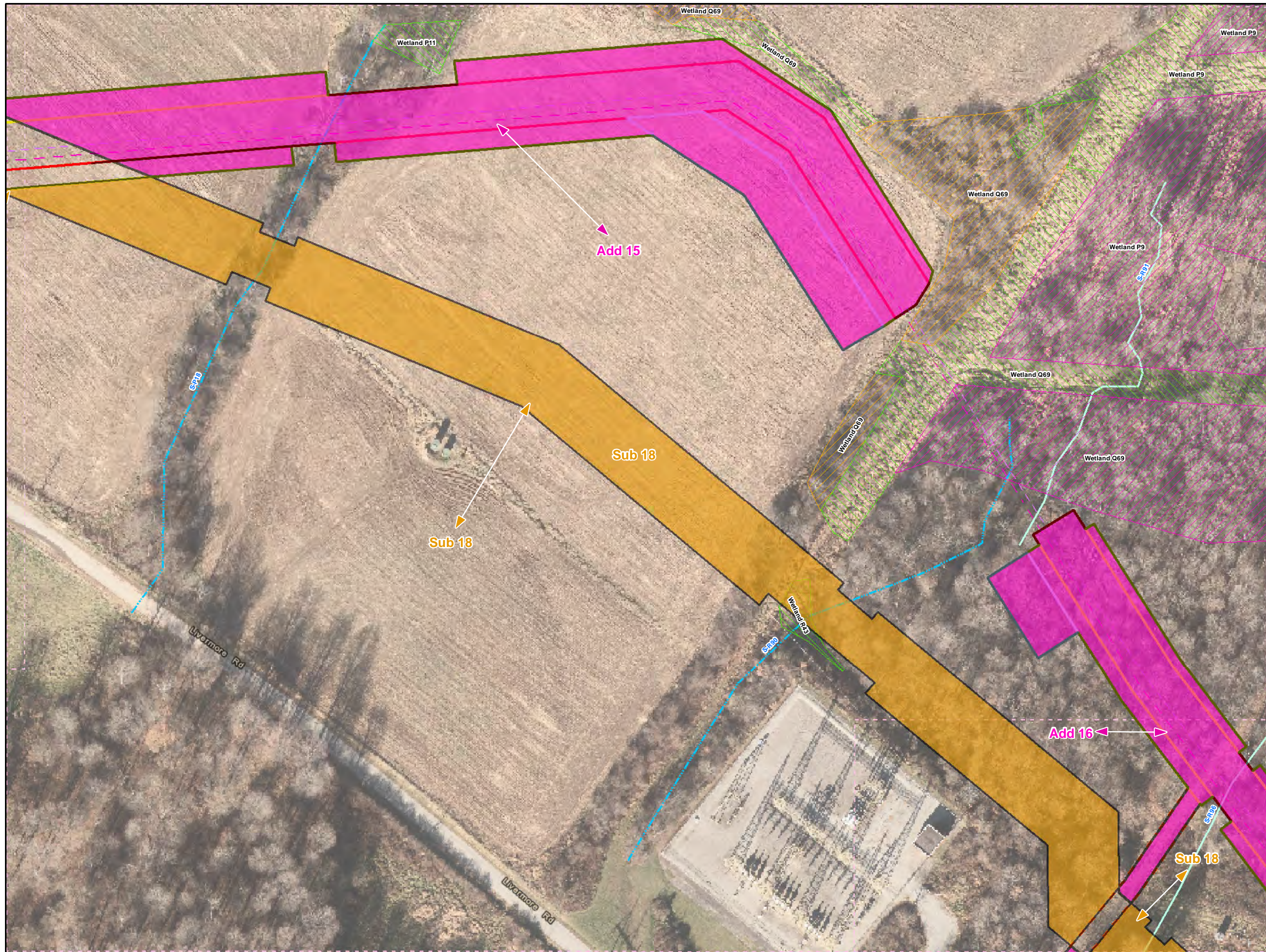


**Workspace Changes for the Sunoco  
Pennsylvania Pipeline Project,  
Westmoreland County, PA.  
172 of 179**

Prepared By: <b>TETRA TECH</b>	Date: <b>10/2016</b>
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Base Map: Sunoco, 2013-2016  
Roads: ESRI World Imagery Transportation  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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**Legend**

- Added Workspace
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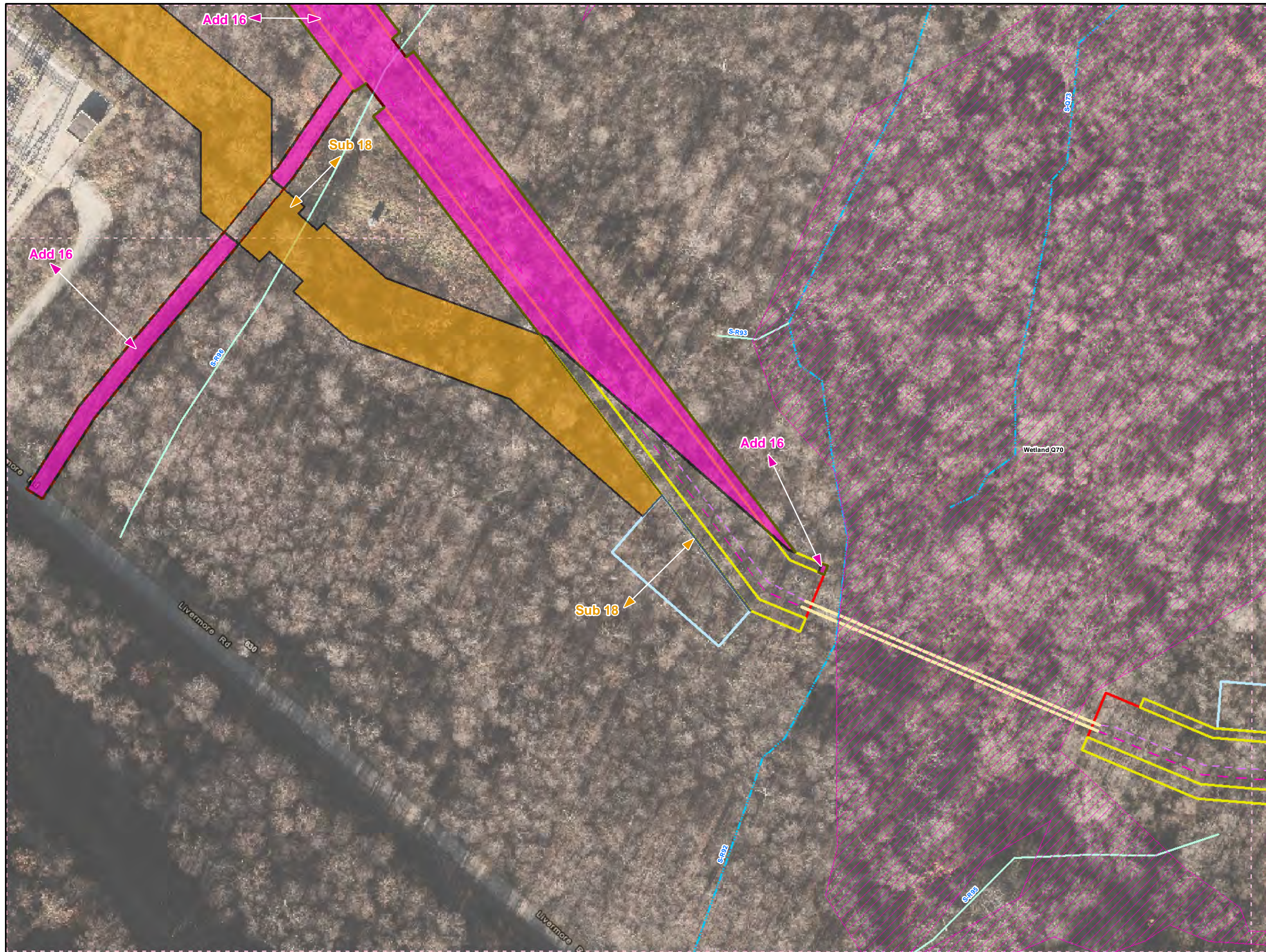
1 inch = 100 feet

**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Westmoreland County, PA. 173 of 179**

<b>Prepared By:</b> TETRA TECH	<b>Date:</b> 10/2016
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Base Map: Sunoco, 2013-2016  
Roads: ESRI World Imagery Transportation  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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**Legend**

- Added Workspace
- Removed Workspace
- Proposed 20-inch Pipeline
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1 inch = 100 feet

**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Westmoreland County, PA.**  
174 of 179

Prepared By: TETRA TECH	Date: 10/2016
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Base Map: Sunoco, 2013-2016  
Roads: ESRI World Imagery Transportation  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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