

SPLP has made revisions to the proposed workspaces in Huntingdon 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 8.8652 acres was added and 8.1929 acres subtracted for a net increase of 0.6723 acres of earth disturbance.

Table 1. Pennsylvania Pipeline Project LOD Additions and Subtractions.

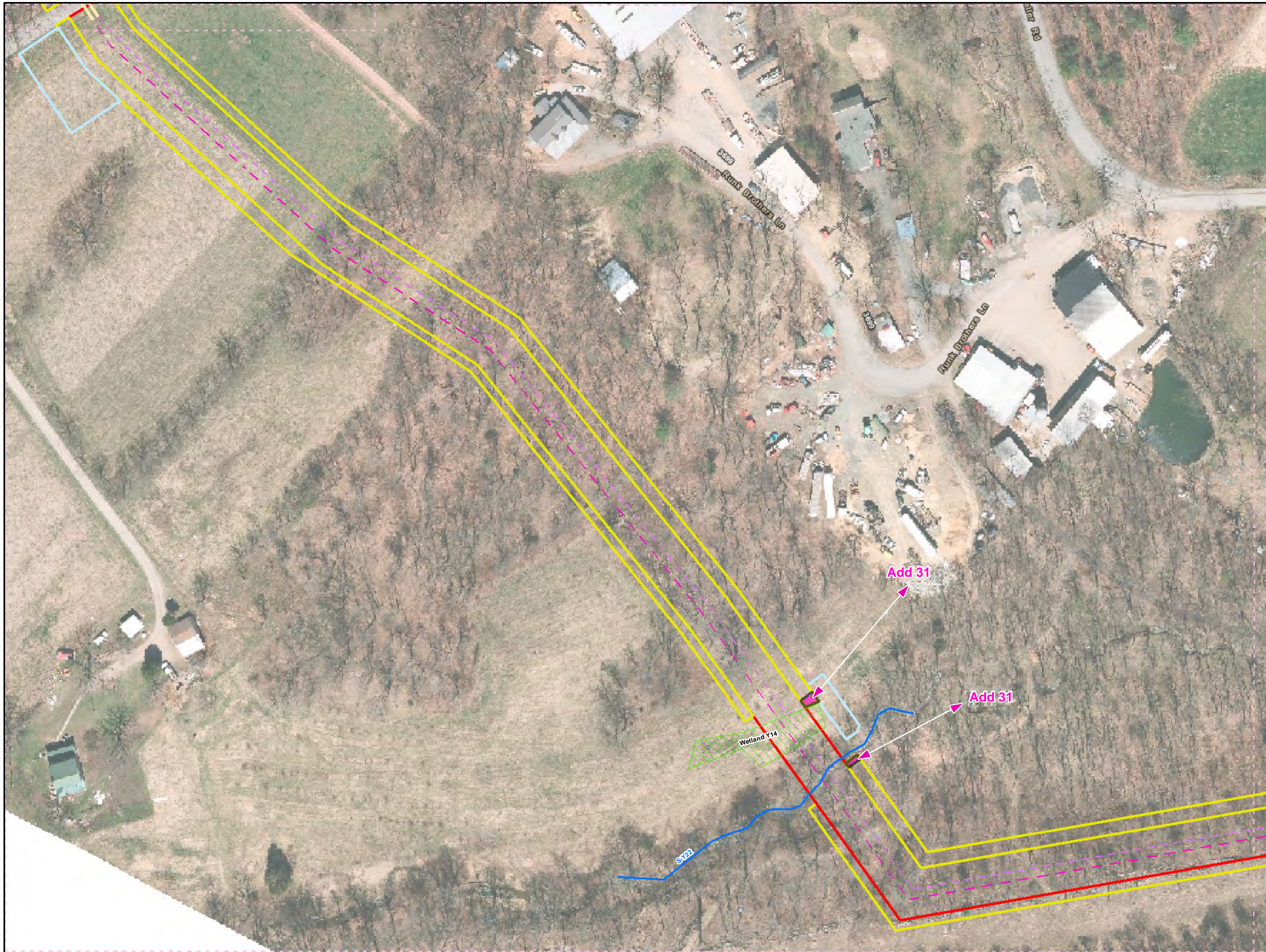
CHANGE ID	COUNTY	REASON FOR CHANGE	ACREAGE	LOD ADDITION OR SUBTRACTION	WETLAND DELINEATION ¹	PNDI EVALUATION ²	SHEET NUMBER
Add-31	HUNTINGDON	Minor LOD adjustment needed to facilitate safe installation	0.0055	Addition	Yes	Yes ^A	6
Sub-47	HUNTINGDON	Temporary workspace reduction	0.0188	Subtraction	NA	NA	8
Sub-48	HUNTINGDON	Permanent ROW adjustment	0.0689	Subtraction	NA	NA	8
Add-32	HUNTINGDON	Minor LOD adjustment needed to facilitate safe installation	0.3432	Addition	Yes	Yes ^A	8
Sub-49	HUNTINGDON	Permanent ROW adjustment	0.1950	Subtraction	NA	NA	8
Sub-50	HUNTINGDON	Temporary workspace reduction	0.0197	Subtraction	NA	NA	8
Sub-51	HUNTINGDON	Temporary access road LOD adjustment to minimize impact	1.9654	Subtraction	NA	NA	11
Sub-52	HUNTINGDON	Travel lane adjustment to minimize forested wetland impact	0.2995	Subtraction	NA	NA	16
Add-33	HUNTINGDON	Travel lane adjustment to minimize forested wetland impact	0.3180	Addition	Yes	Yes ^A	16

CHANGE ID	COUNTY	REASON FOR CHANGE	ACREAGE	LOD ADDITION OR SUBTRACTION	WETLAND DELINEATION¹	PNDI EVALUATION²	SHEET NUMBER
Add-34	HUNTINGDON	Minor LOD adjustment needed to facilitate safe installation	0.7262	Addition	Yes	Yes	24
Sub-53	HUNTINGDON	Minor LOD adjustment needed to facilitate safe installation	1.3359	Subtraction	NA	NA	24
Add-35	HUNTINGDON	Minor LOD adjustment needed to facilitate safe installation	0.0635	Addition	Yes	Yes	24
Add-36	HUNTINGDON	Minor LOD adjustment needed to facilitate safe installation	0.3540	Addition	Yes	Yes	27
Add-37	HUNTINGDON	Minor LOD adjustment needed to facilitate safe installation	0.0836	Addition	Yes	Yes	28
Sub-54	HUNTINGDON	Minor LOD adjustment needed to facilitate safe installation	1.4300	Subtraction	NA	NA	27
Sub-55	HUNTINGDON	Temporary workspace reduction to minimize waterbody impact	0.1857	Subtraction	NA	NA	36
Sub-56	HUNTINGDON	Temporary workspace reduction to minimize aquatic resource impacts	0.0661	Subtraction	NA	NA	43
Sub-57	HUNTINGDON	Temporary workspace reduction to minimize aquatic resource impacts	0.1945	Subtraction	NA	NA	47
Add-38	HUNTINGDON	Minor LOD adjustment needed to facilitate safe installation	0.0169	Addition	Yes	Yes	47
Sub-58	HUNTINGDON	Temporary workspace reduction to minimize waterbody impact	0.0154	Subtraction	NA	NA	50
Sub-59	HUNTINGDON	Workspace shift to northern portion of ROW	2.3548	Subtraction	NA	NA	56
Add-39	HUNTINGDON	Workspace shift to northern portion of ROW	2.3955	Addition	Yes	Yes	56
Add-40	HUNTINGDON	Mt. Union LOD design change	1.3142	Addition	Yes	Yes	73

CHANGE ID	COUNTY	REASON FOR CHANGE	ACREAGE	LOD ADDITION OR SUBTRACTION	WETLAND DELINEATION¹	PNDI EVALUATION²	SHEET NUMBER
Add-41	HUNTINGDON	Minor LOD adjustment needed to facilitate safe installation	0.0289	Addition	Yes	Yes	91
Sub-60	HUNTINGDON	Temporary workspace reduction to minimize waterbody impact	0.0060	Subtraction	NA	NA	92
Add-42	HUNTINGDON	Minor LOD adjustment needed to facilitate safe installation	0.0733	Addition	Yes	Yes	95
Add-43	HUNTINGDON	Block Valve Site Permanent ROW	3.0953	Addition	Yes	Yes	101
Sub-61	HUNTINGDON	Temporary workspace reduction to minimize waterbody impacts	0.0372	Subtraction	NA	NA	107
Add-44	HUNTINGDON	Minor LOD adjustment needed to facilitate safe installation	0.0471	Addition	Yes	Yes	107

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.



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

0 50 100 200

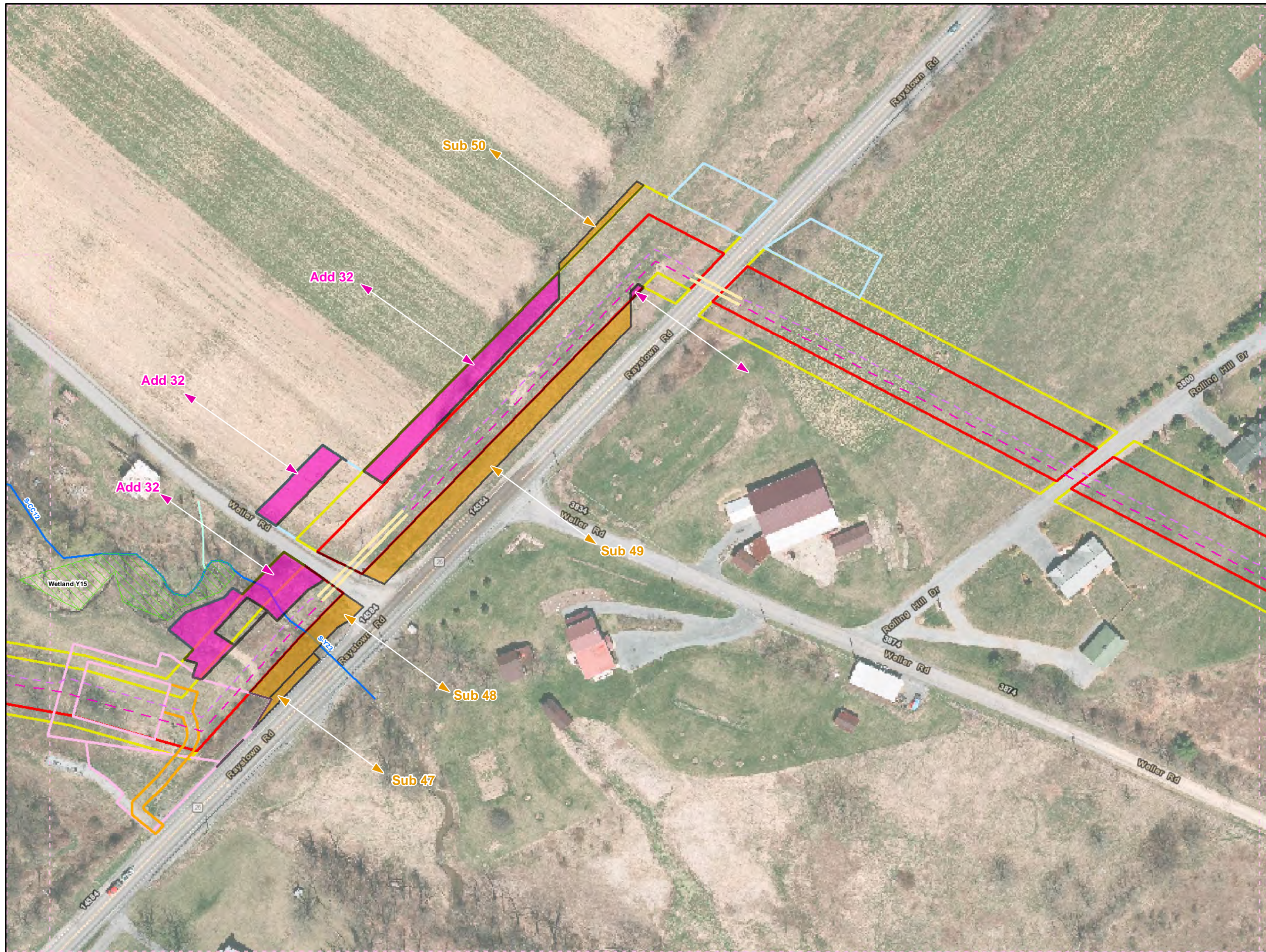
1 inch = 100 feet

Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Huntingdon County, PA.
6 of 108

Prepared By:	Date:
	10/2016

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

B:\P\GIS\PROJECTS\1122059566-PPP\MAPS\HUNTINGDONCOUNTY\ADDITION_SUBTRACT\10102016.JL



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

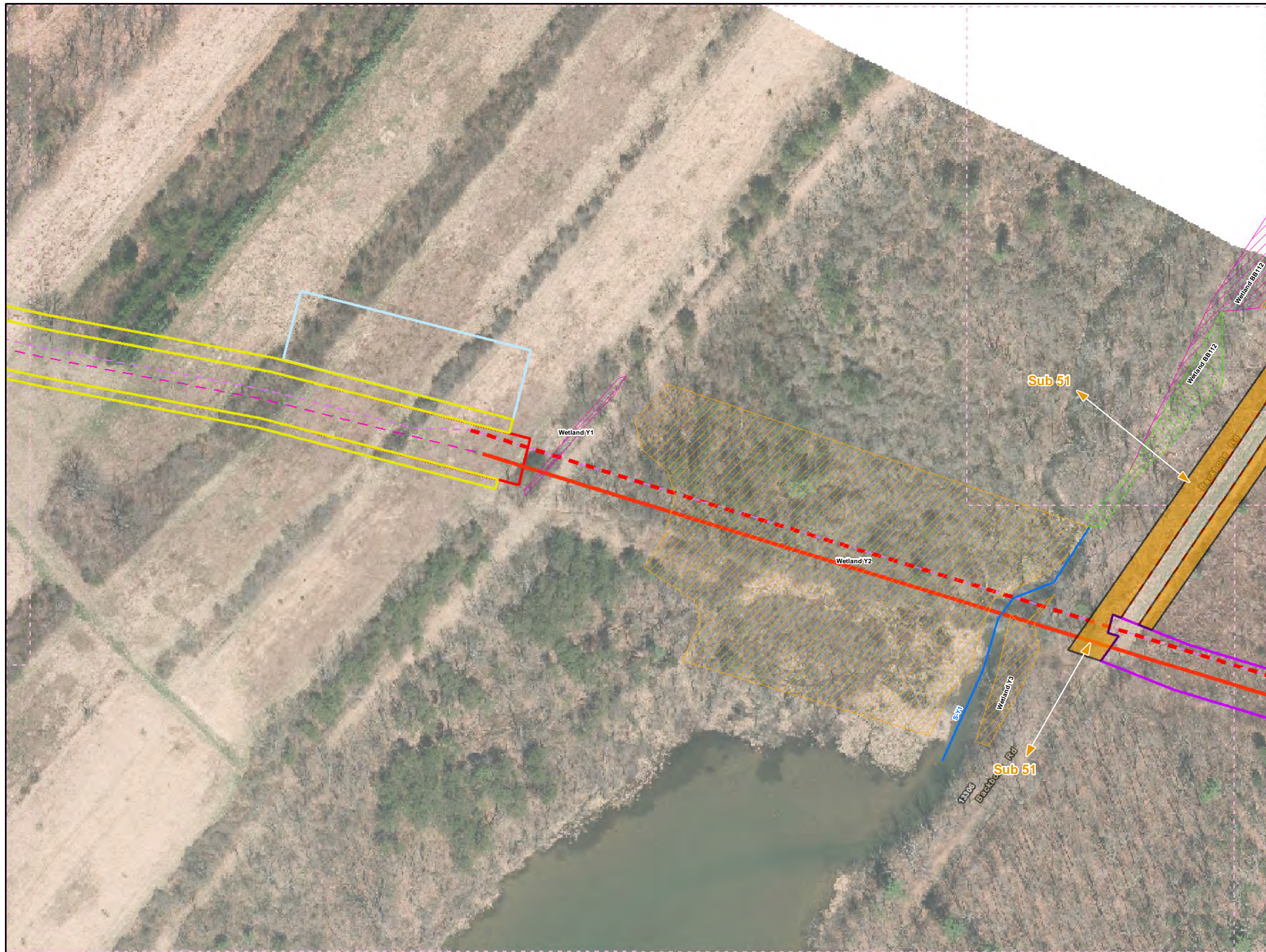
1 inch = 100 feet

Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Huntingdon County, PA.
8 of 108

Prepared By:	Date:
TETRA TECH	10/2016

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

B:\P\GIS\PROJECTS\1122005656-PPP\MAPS\PERMITS\COUNTY\PERMITS\STID_RESPONSE\ADDSDSUBMAPS\HUNTINGDONCOUNTY\ADDITION_SUBTRACTION.MXD 11/10/2016 JL



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

0 50 100 200

1 inch = 100 feet

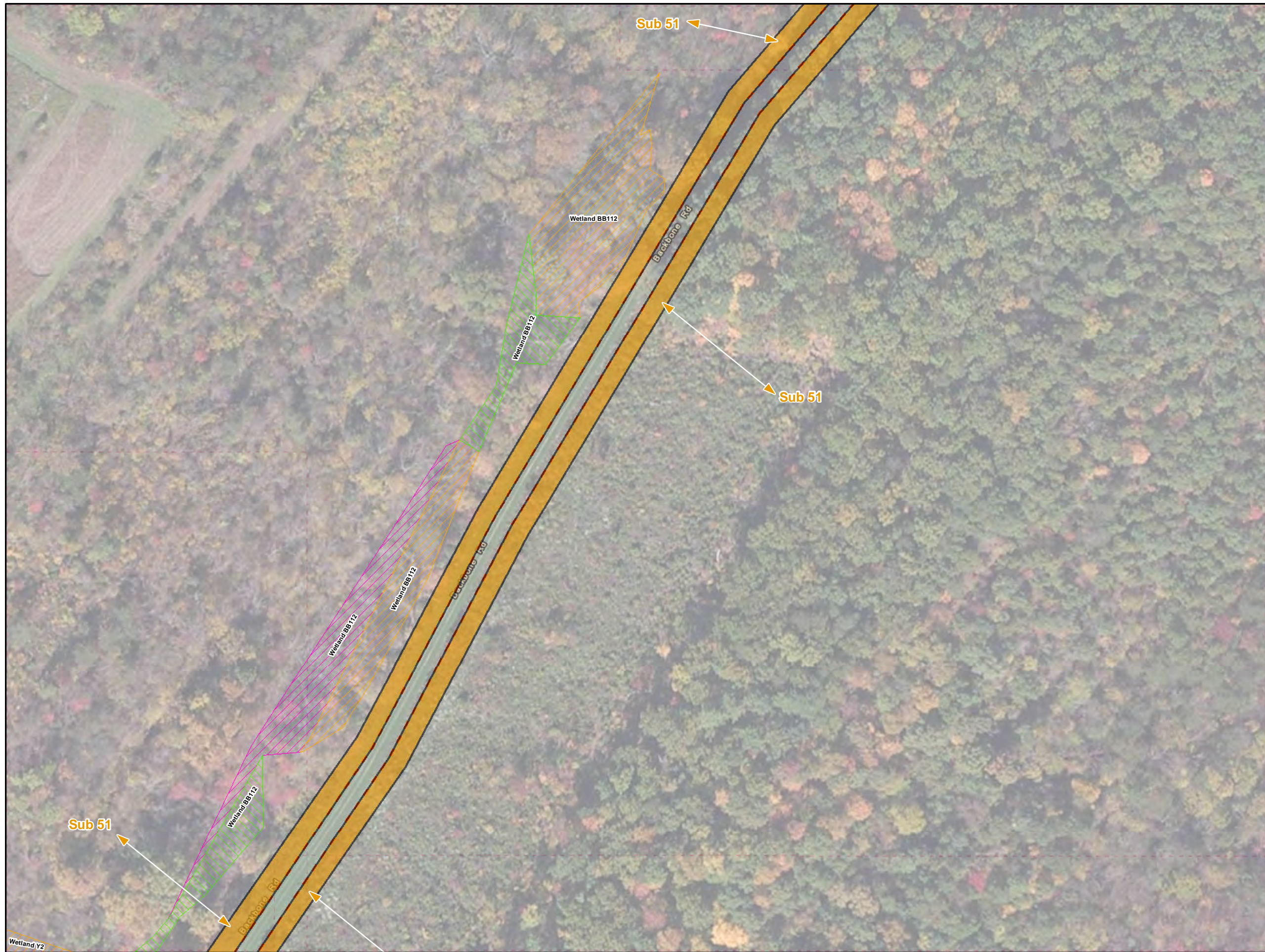
Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Huntingdon County, PA.

11 of 108

Prepared By:	Date:
	10/2016

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

D:\P\GIS\PROJECTS\1122069566-PPP\MAPS\PERMITS\STANDARD\SUBTRACT\HUNTINGDON\ADD\1110102016.JL



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

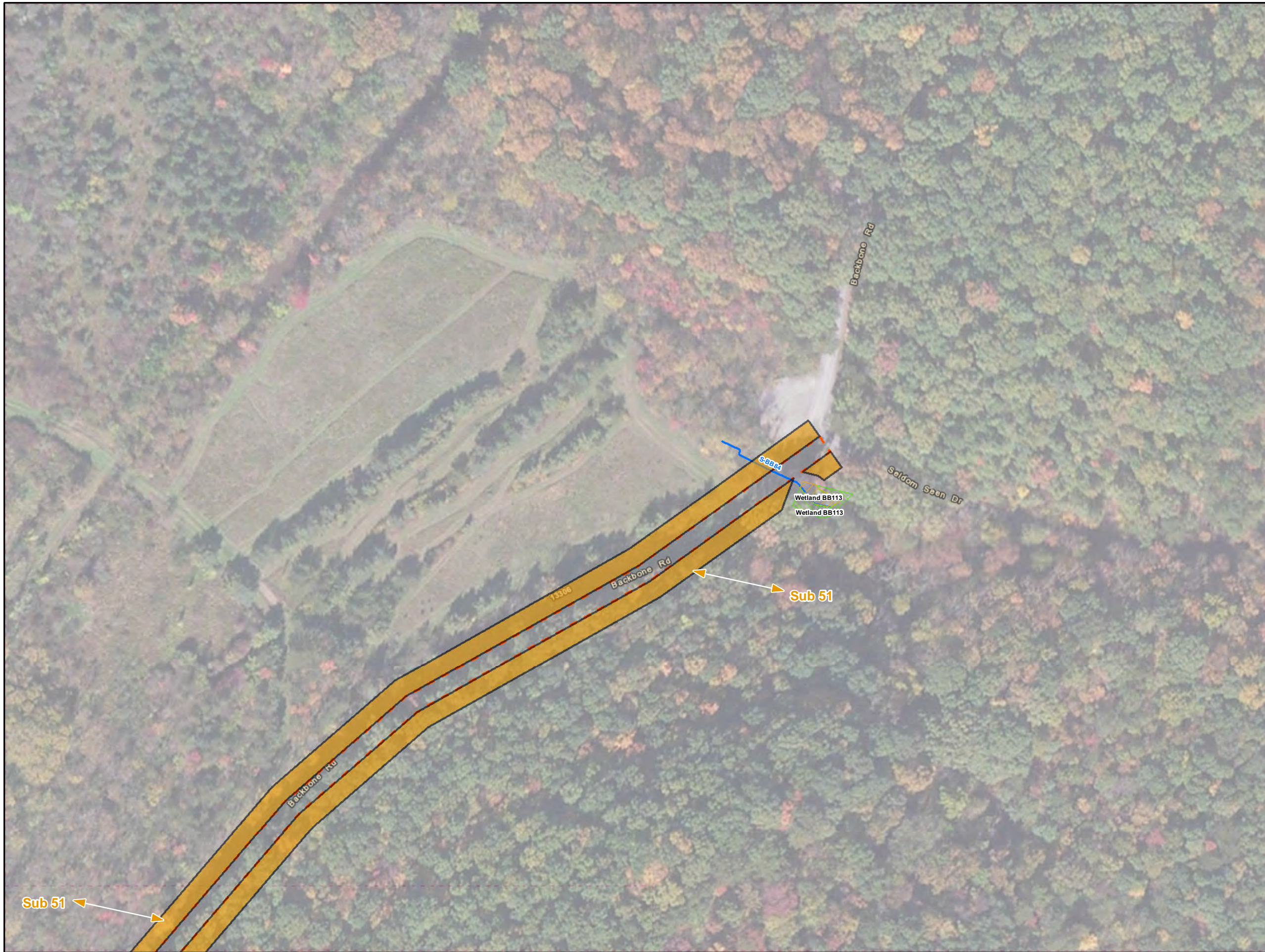
1 inch = 100 feet

Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Huntingdon County, PA.
12 of 108

Prepared By:	Date:
TETRA TECH	10/2016

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

D:\GIS\PROJECTS\122005656-PPP\MAPX\PERMITS\COUNTY\PERMITS\STD._RESPONSE\ADDSUBMAPS\HUNTINGDON\COUNTY\ADDITION._SUBTRACTION.MXD 11/10/2016 JL



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

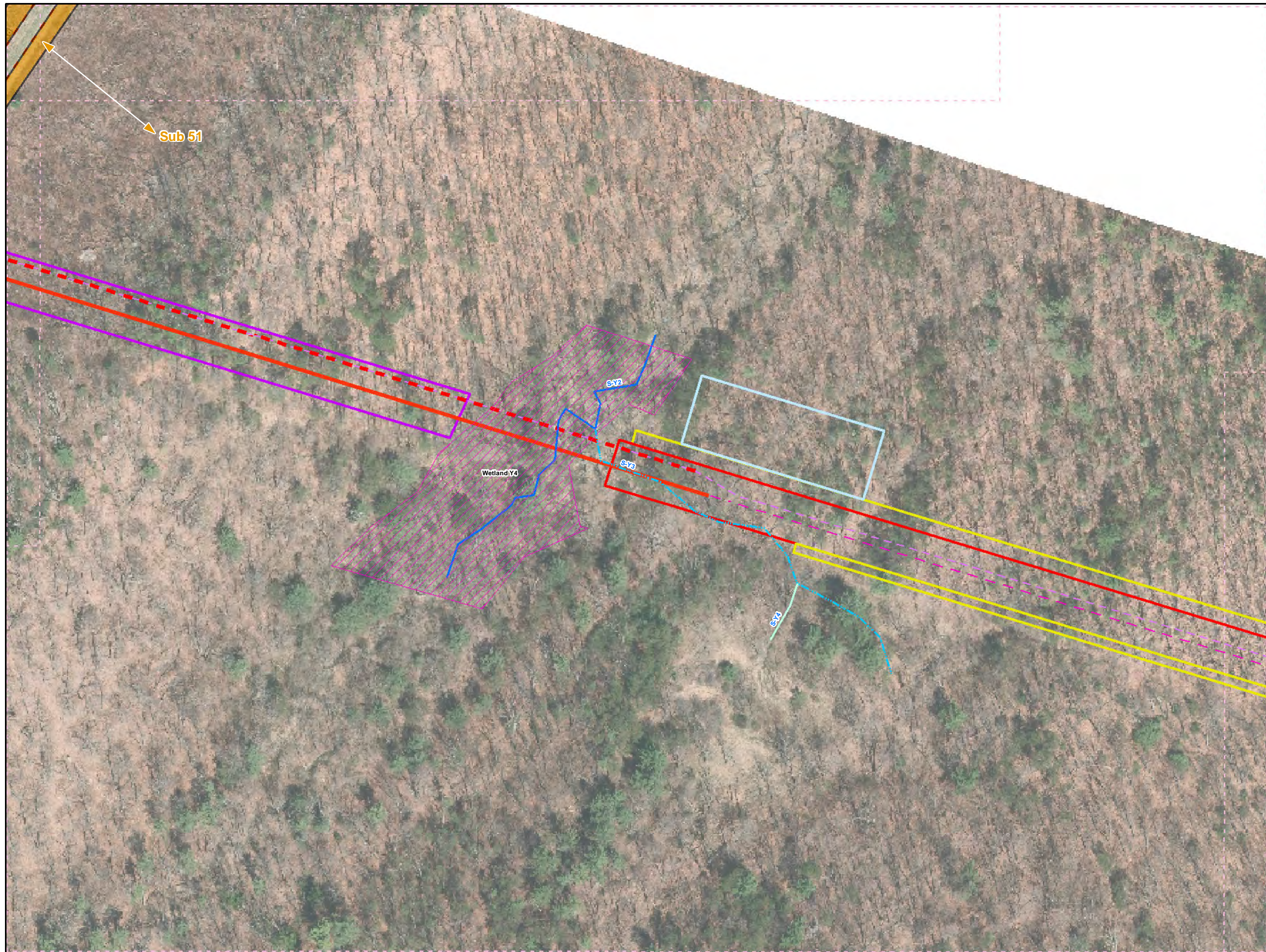
1 inch = 100 feet

Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Huntingdon County, PA.
13 of 108

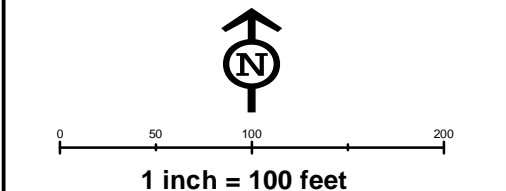
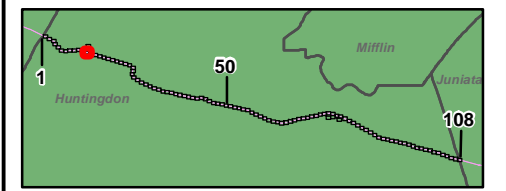
Prepared By: TETRA TECH	Date: 10/2016
-----------------------------------	-------------------------

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

D:\GIS\PROJECTS\1122059566-PPP\MAPS\HUNTINGDONCOUNTY\ADDITION_SUBTRACTION\MXD_111012016_11



- 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

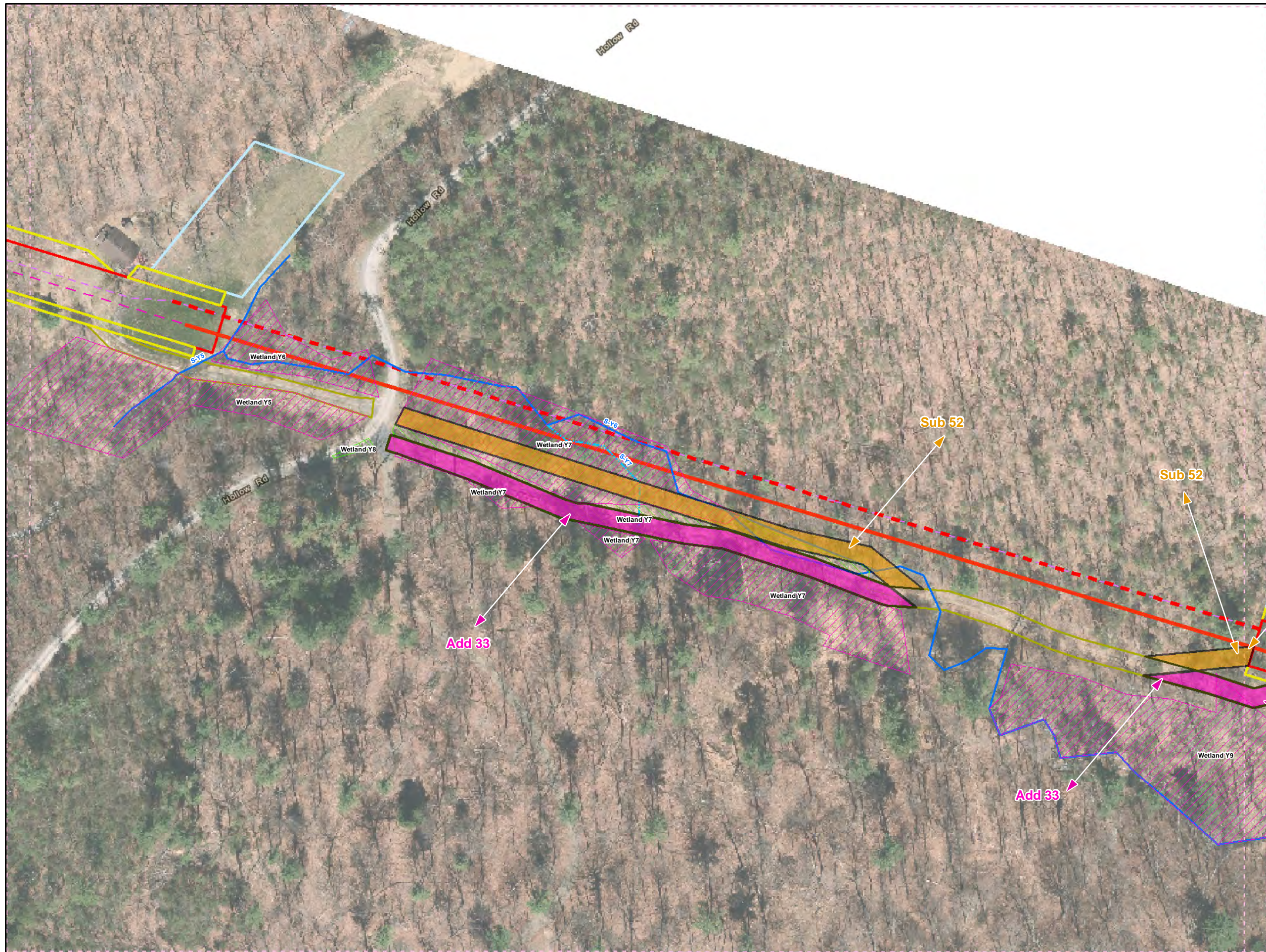


**Workspace Changes for the Sunoco
Pennsylvania Pipeline Project,
Huntingdon County, PA.
14 of 108**

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

Base Map: Sunoco, 2013-2016
 Roads: ESRI World Imagery Transportation
 Coordinate System: NAD 83 Stateplane, PA South, Feet

B:\P\GIS\PROJECTS\122059566-PPP\MAPS\HUNTINGDONCOUNTY\ADDITION_SUBTRACTION\MXD_11/10/2016.JL



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

0 50 100 200

1 inch = 100 feet

Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Huntingdon County, PA.
16 of 108

Prepared By:	Date:
	10/2016

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

D:\P\GIS\PROJECTS\1122069566-PPP\MAPS\HUNTINGDON\HUNTINGDON\SUBTRACT\HUNTINGDON\ADD\1110102016.JL



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 50 108

0 50 100 200

1 inch = 100 feet

Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Huntingdon County, PA.
24 of 108

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

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

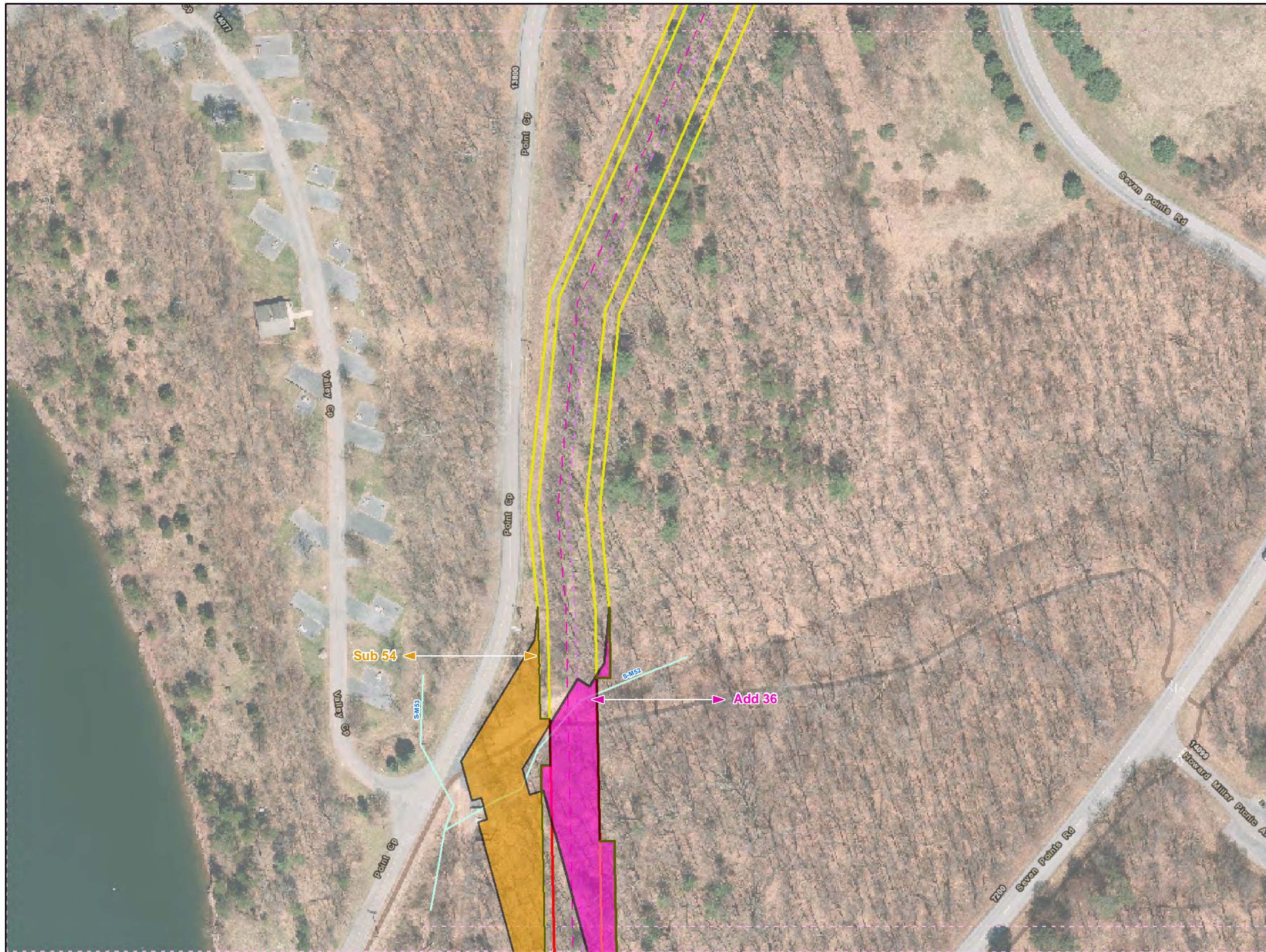
1 inch = 100 feet

Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Huntingdon County, PA.
25 of 108

Prepared By:	Date:
	10/2016

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

D:\P\GIS\PROJECTS\122005656-PPP\MAPS\HUNTINGDONCOUNTY\ADDITION_SUBTRACTION.MXD 11/10/2016 JL



Legend

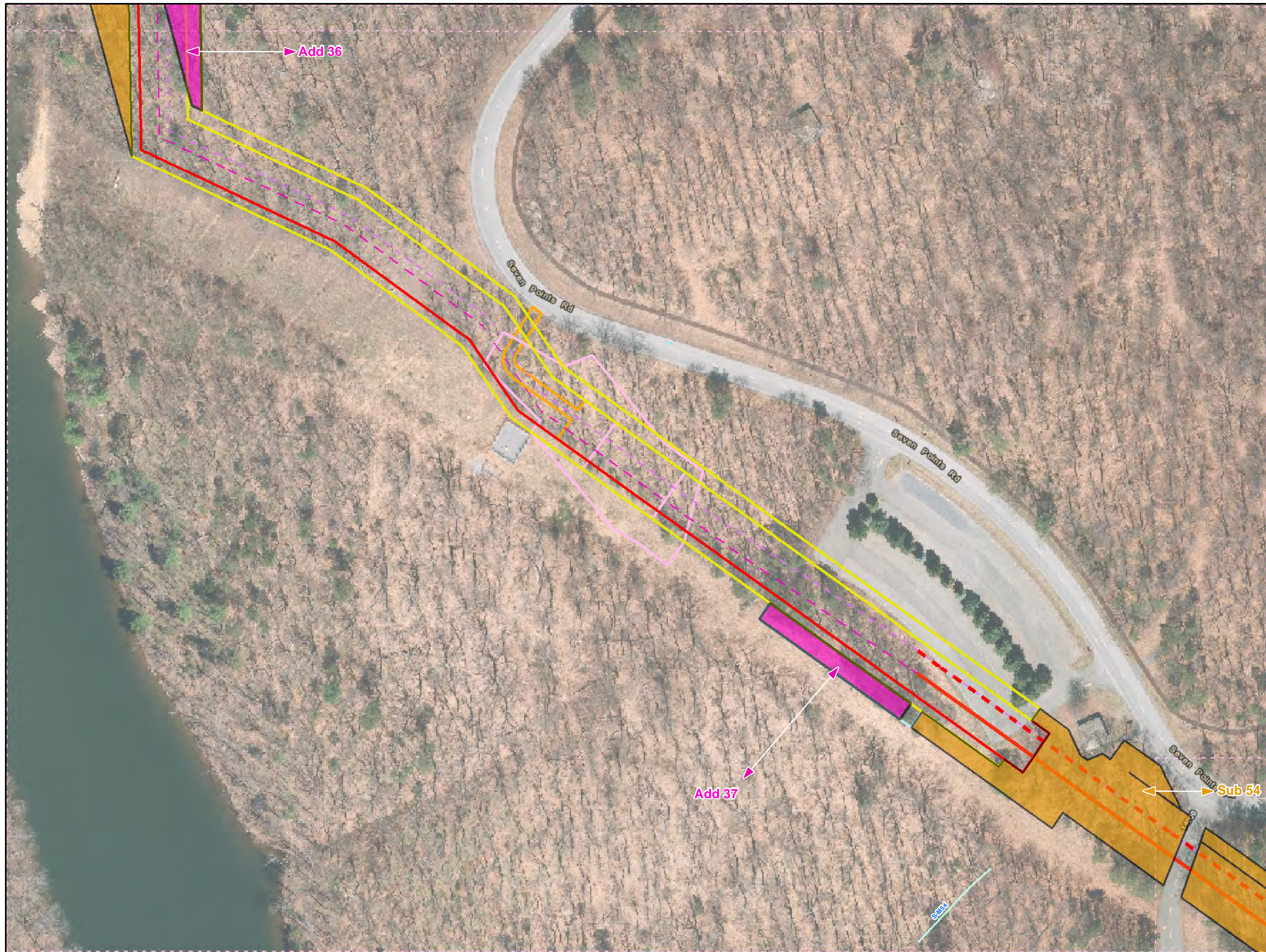
- Added Workspace
- Removed Workspace
- Proposed 20-inch Pipeline
- Proposed 16-inch Pipeline
- Bore Path
- PPP 1 HDD
- PPP 2 HDD
- Permanent ROW
- Temporary Workspace
- Additional Temporary Workspace or ATWS
- Block Valve Setting LOD
- Permanent Access Road
- Temporary Access Road
- Travel LOD
- Travel 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, Huntingdon County, PA.
27 of 108

Prepared By:	Date:
	10/2016

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

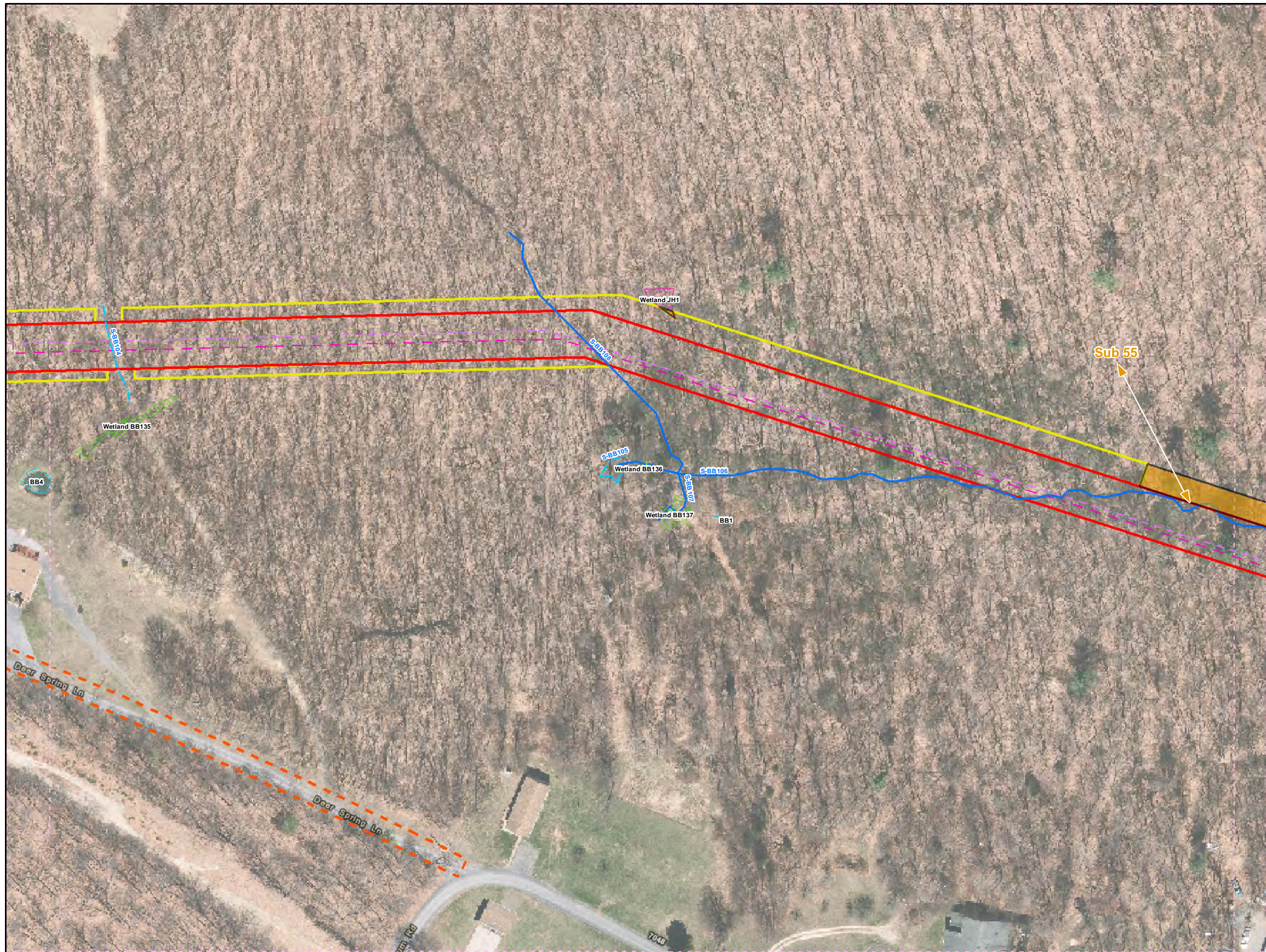
1 inch = 100 feet

Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Huntingdon County, PA.
28 of 108

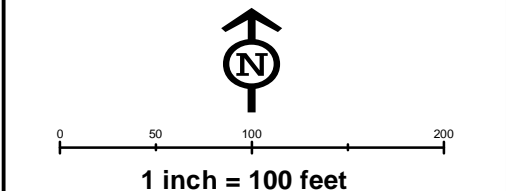
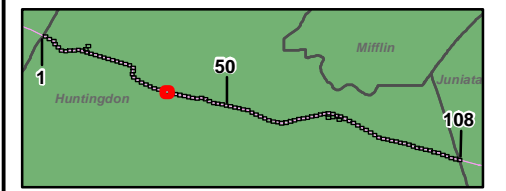
Prepared By: TETRA TECH	Date: 10/2016
-----------------------------------	-------------------------

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

B:\P\GIS\PROJECTS\1122059566-PPP\MAPS\PERMITS\COUNTY\PERMITS\STD._RESPONSE\ADD\SUBMAPS\HUNTINGDON\COUNTY\ADDITION._SUBTRACT\CON\MXD_11/10/2016.JL



- 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

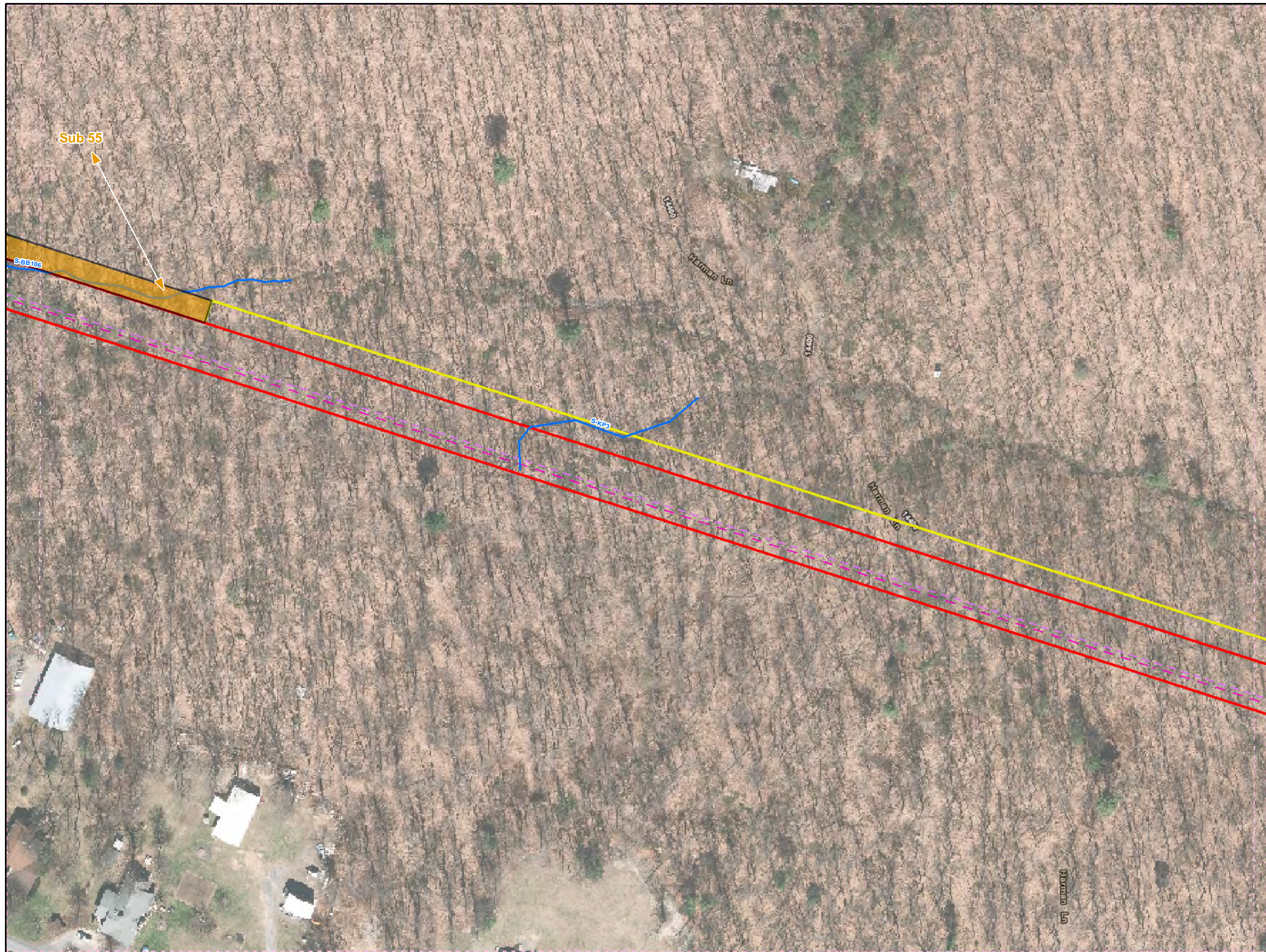


**Workspace Changes for the Sunoco
Pennsylvania Pipeline Project,
Huntingdon County, PA.
36 of 108**

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

Base Map: Sunoco, 2013-2016
 Roads: ESRI World Imagery Transportation
 Coordinate System: NAD 83 Stateplane, PA South, Feet

B:\P\GIS\PROJECTS\1122069566-PPP\MAPS\HUNTINGDONCOUNTY\ADDITION_SUBTRACTION\MXD_11/10/2016.JL



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

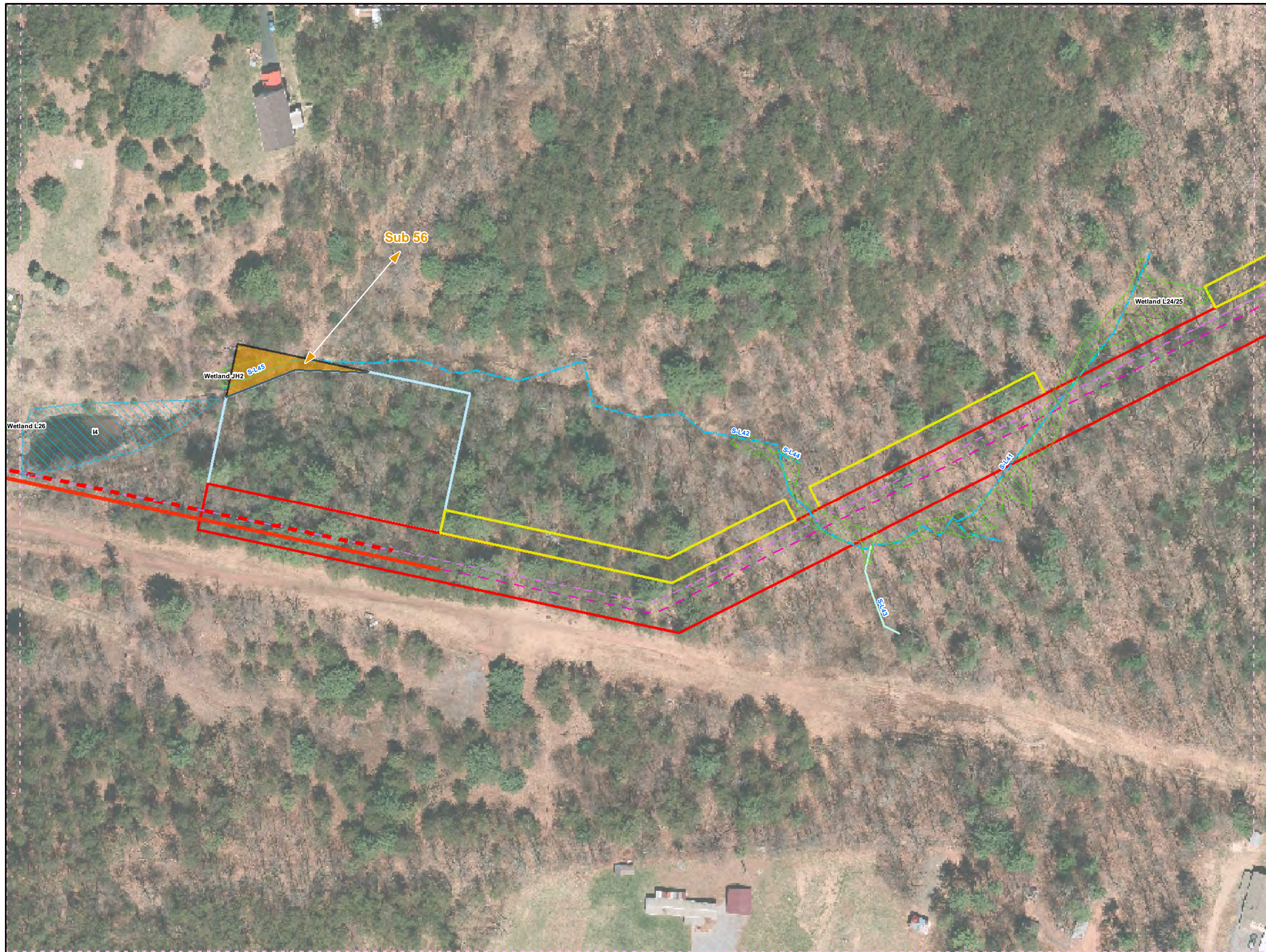
0 50 100 200

1 inch = 100 feet

Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Huntingdon County, PA.
37 of 108

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

Base Map: Sunoco, 2013-2016
 Roads: ESRI World Imagery Transportation
 Coordinate System: NAD 83 Stateplane, PA South, Feet



Legend

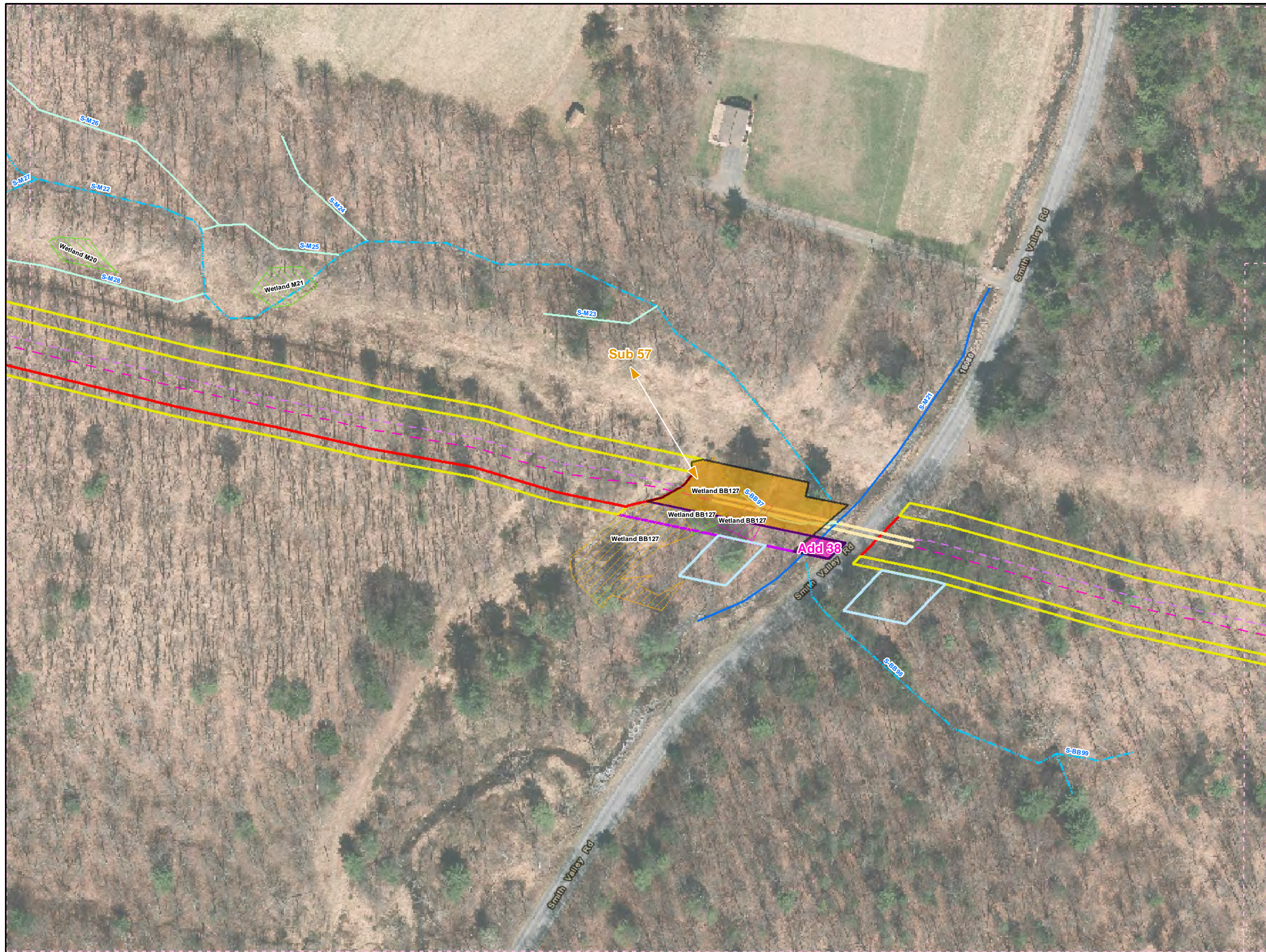
- Added Workspace
- Removed Workspace
- Proposed 20-inch Pipeline
- Proposed 16-inch Pipeline
- Bore Path
- PPP 1 HDD
- PPP 2 HDD
- Permanent ROW
- Temporary Workspace
- Additional Temporary Workspace or ATWS
- Block Valve Setting LOD
- Permanent Access Road
- Temporary Access Road
- Travel LOD
- Travel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

1 inch = 100 feet

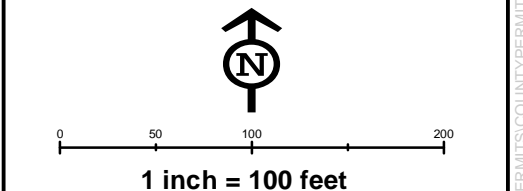
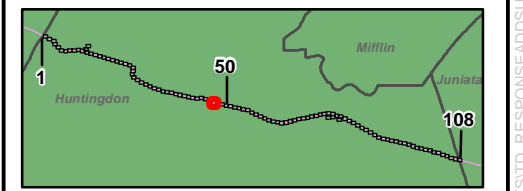
**Workspace Changes for the Sunoco
Pennsylvania Pipeline Project,
Huntingdon County, PA.
43 of 108**

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

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

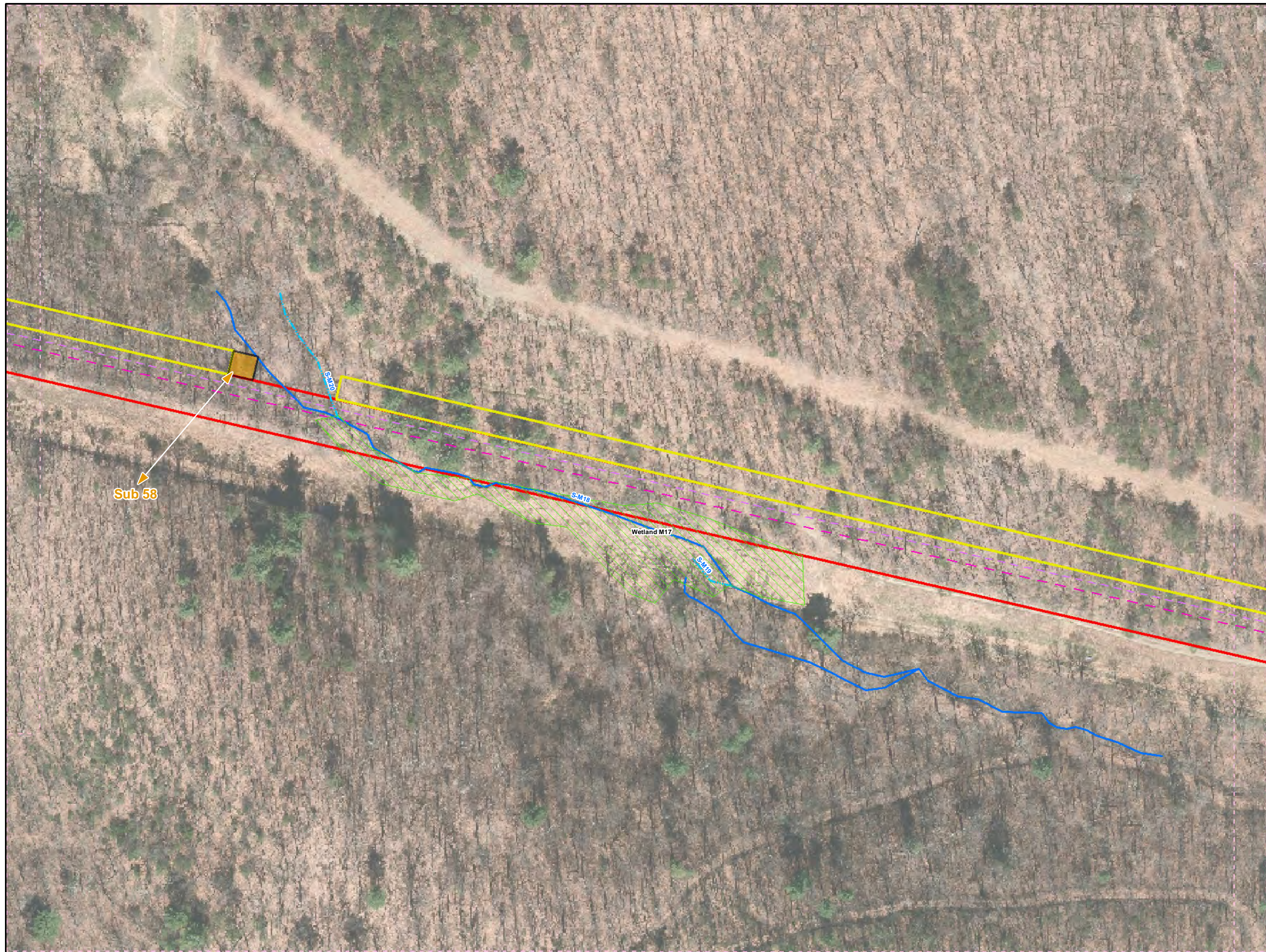


**Workspace Changes for the Sunoco
Pennsylvania Pipeline Project,
Huntingdon County, PA.
47 of 108**

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

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

B:\P:\GIS\PROJECTS\1122069666-PPP\MAPS\SUBMAPS\HUNTINGDONCOUNTY\ADDITION_SUBTRACTION.MXD 11/10/2016 JL



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 50 108

Huntingdon Mifflin Juniata

0 50 100 200

1 inch = 100 feet

Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Huntingdon County, PA.
50 of 108

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

Base Map: Sunoco, 2013-2016
 Roads: ESRI World Imagery Transportation
 Coordinate System: NAD 83 Stateplane, PA South, Feet

B:\P\GIS\PROJECTS\12205856-PPP\MAPS\PERMITS\COUNTY\PERMITS\STD._RESPONSE\ADDSUBMAPS\HUNTINGDONCOUNTY\ADDITION._SUBTRACTION.MXD 11/10/2016 JL



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, Huntingdon County, PA.
56 of 108

Prepared By:	Date:
TETRA TECH	10/2016

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

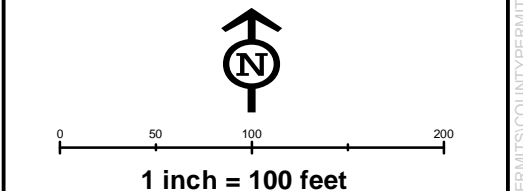
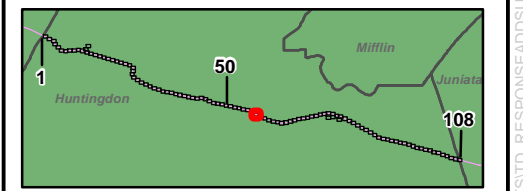
B:\P\GIS\PROJECTS\1122059566-PPP\MAPS\HUNTINGDONCOUNTY\ADDITION_SUBTRACTION\MXD_11/10/2016.JL



- 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

Add 39

Sub 59



**Workspace Changes for the Sunoco
Pennsylvania Pipeline Project,
Huntingdon County, PA.
57 of 108**

Prepared By:	Date:
	10/2016

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

B:\P:\GIS\PROJECTS\122059566-PPP\MAPS\HUNTINGDONCOUNTY\ADDITION_SUBTRACTION\MXD_11/10/2016.JL



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, Huntingdon County, PA.
58 of 108

Prepared By:	Date:
	10/2016

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

B:\P\GIS\PROJECTS\1122059566-PPP\MAPS\HUNTINGDONCOUNTY\ADDITION_SUBTRACTION\MXD_11/10/2016.JL



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

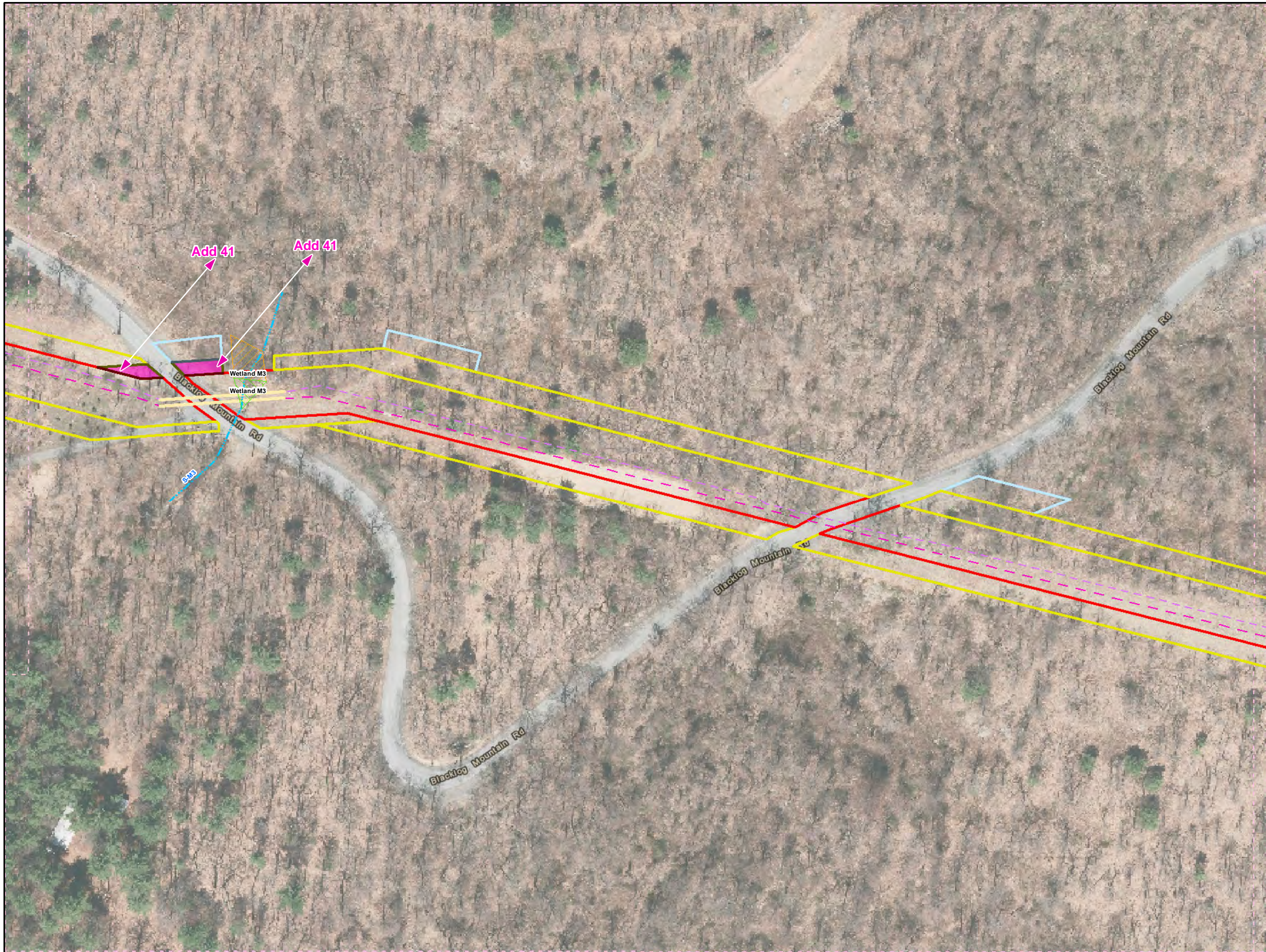
1 inch = 100 feet

Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Huntingdon County, PA.
73 of 108

Prepared By:	Date:
TETRA TECH	10/2016

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

B:\P:\GIS\PROJECTS\122059566-PPP\MAPS\PERMITS\STANDARD\SUBTRACT\HUNTINGDONCOUNTY\ADDITION_SUBTRACT\HUNTINGDONCOUNTY\MXD\11/10/2016.JL



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

N
↑

Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Huntingdon County, PA.

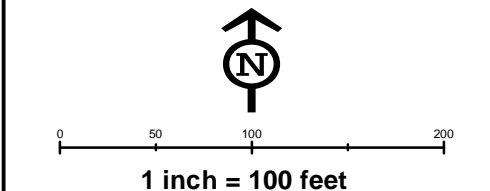
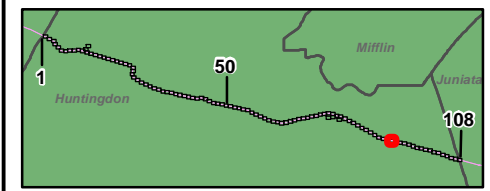
91 of 108

Prepared By:	Date:
	10/2016

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

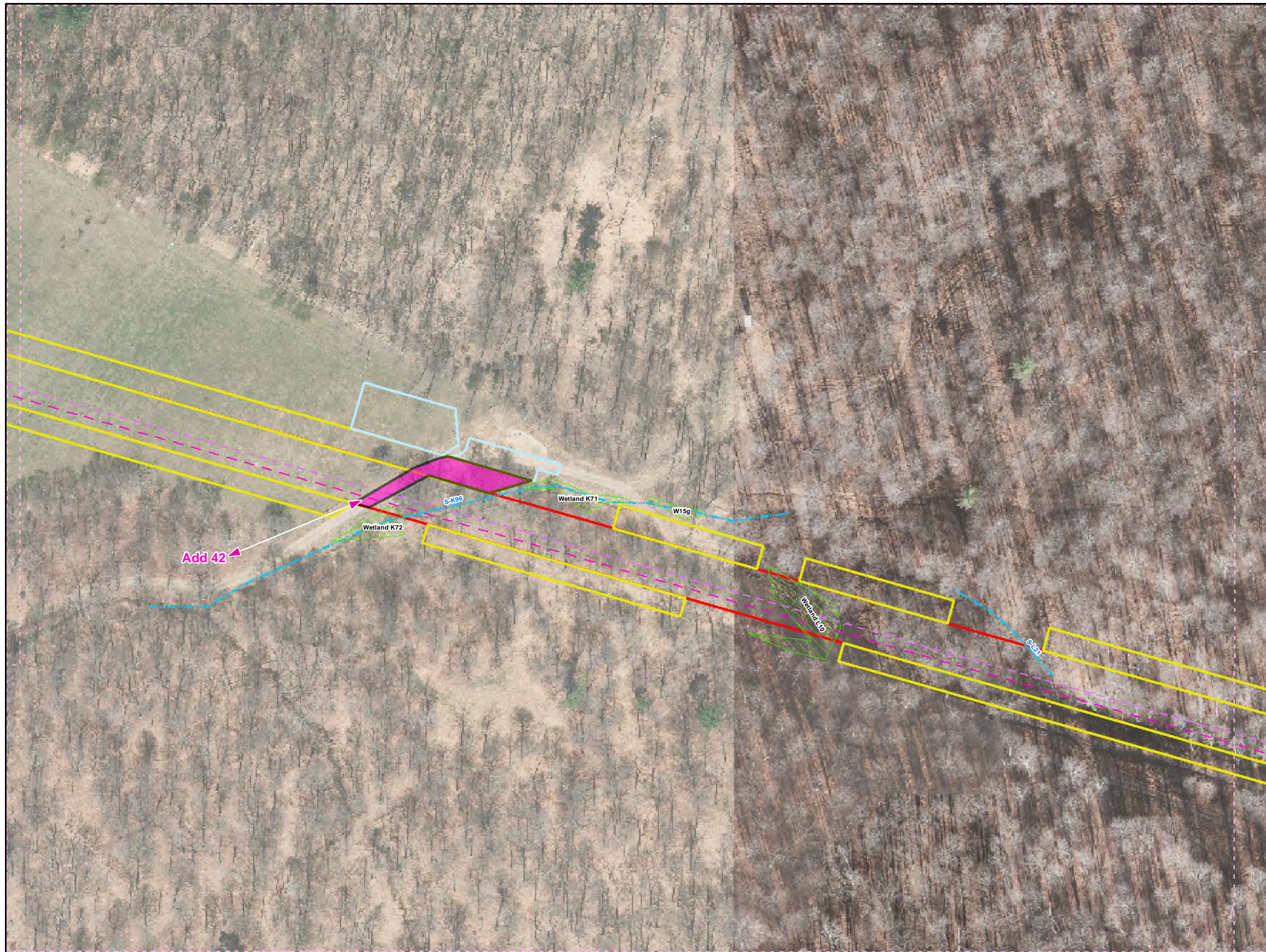


**Workspace Changes for the Sunoco
Pennsylvania Pipeline Project,
Huntingdon County, PA.
92 of 108**

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

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

B:\P:\GIS\PROJECTS\1122005656-PPP\MAPS\PERMITS\COUNTY\PERMITS\STD._RESPONSE\ADDSUBMAPS\HUNTINGDONCOUNTY\ADDITION._SUBTRACTION.MXD 11/10/2016 JL



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

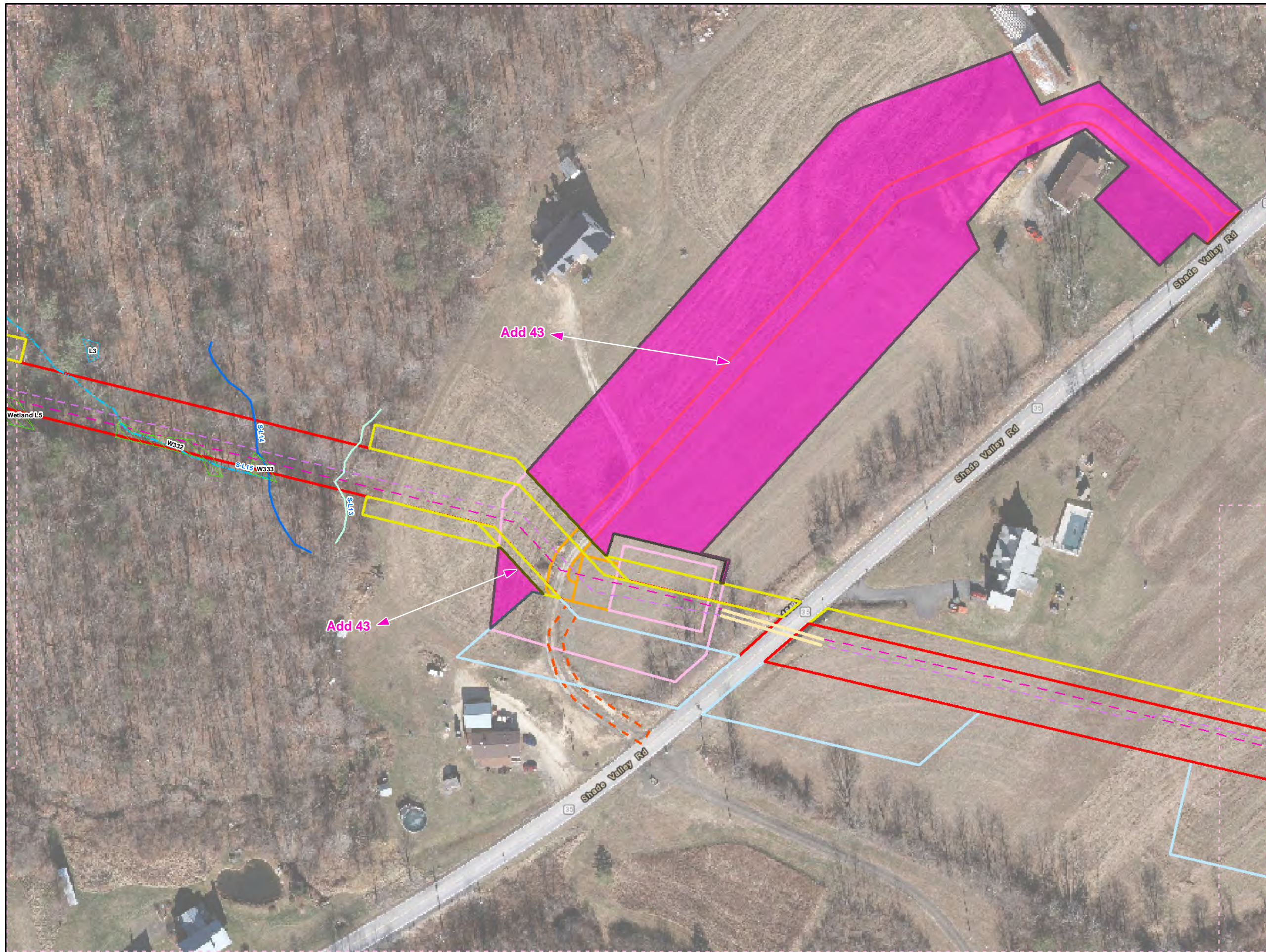
1 inch = 100 feet

Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Huntingdon County, PA.
95 of 108

Prepared By:	Date:
TETRA TECH	10/2016

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

D:\P\GIS\PROJECTS\1122069666-PPP\MAPS\HUNTINGDONCOUNTY\ADDITION_SUBTRACTION\MXD_11/10/2016.JL



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

0 50 100 200

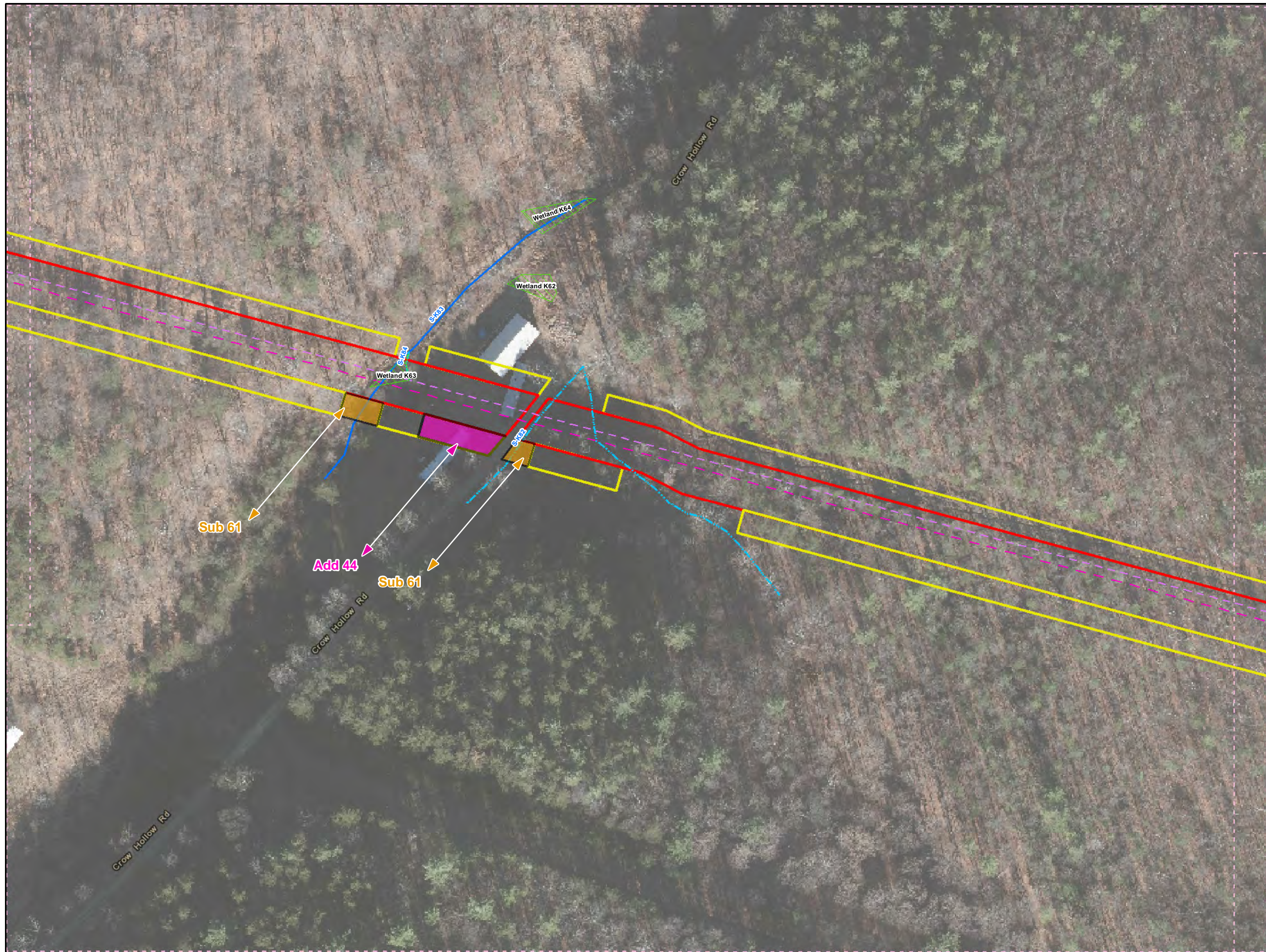
1 inch = 100 feet

Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Huntingdon County, PA.
101 of 108

Prepared By:	Date:
TETRA TECH	10/2016

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

B:\P\GIS\PROJECTS\112206966-PPP\MAPS\HUNTINGDONCOUNTY\ADDITION_SUBTRACTION\MXD\11/10/2016.JL



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

0 50 100 200

Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Huntingdon County, PA.
107 of 108

Prepared By:	Date:
TETRA TECH	10/2016

Base Map: Sunoco, 2013-2016
Roads: ESRI World Imagery Transportation
Coordinate System: NAD 83 Stateplane, PA South, Feet

B:\P:\GIS\PROJECTS\122059566-PPP\MAPS\PERMITS\STANDARD\SUBTRACT\HUNTINGDONCOUNTY\ADDITION_SUBTRACT\HUNTINGDONCOUNTY\MXD\11/10/2016.JL