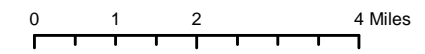
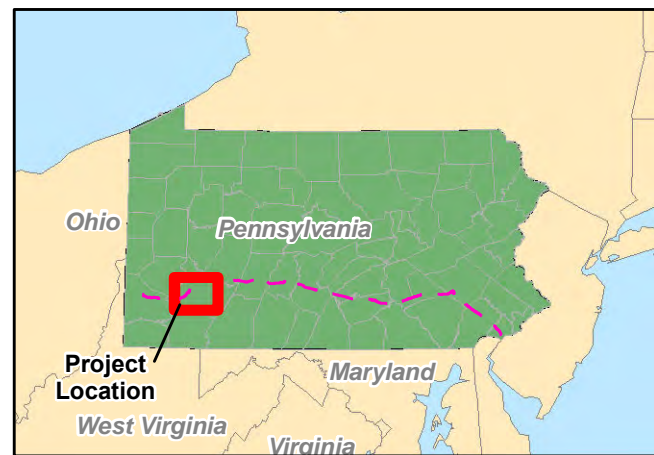


**Legend**

- PPP 1
- PPP 2
- Township Line
- Sheet Boundary
- Roads
- - - County Boundary

**Mapset Legend**

□ Sheet Boundary	□ PPP LOD	☪ Pond
— Roads	□ Stations	☪ PEM Wetland
--- PPP 1	~ Ephemeral Stream	☪ PFO Wetland
--- PPP 2	~ Intermittent Stream	☪ PSS Wetland
- - - 8" Centerline	~ Perennial Stream	
▨ 8" Pipeline Maintenance Corridor	☪ Ch. 105 Floodways	
— ME1 12" Centerline	☪ Waived Ch. 105 Floodways	
▨ ME1 12" Permanent ROW	☪ Ch. 106 Floodplain Fringe	



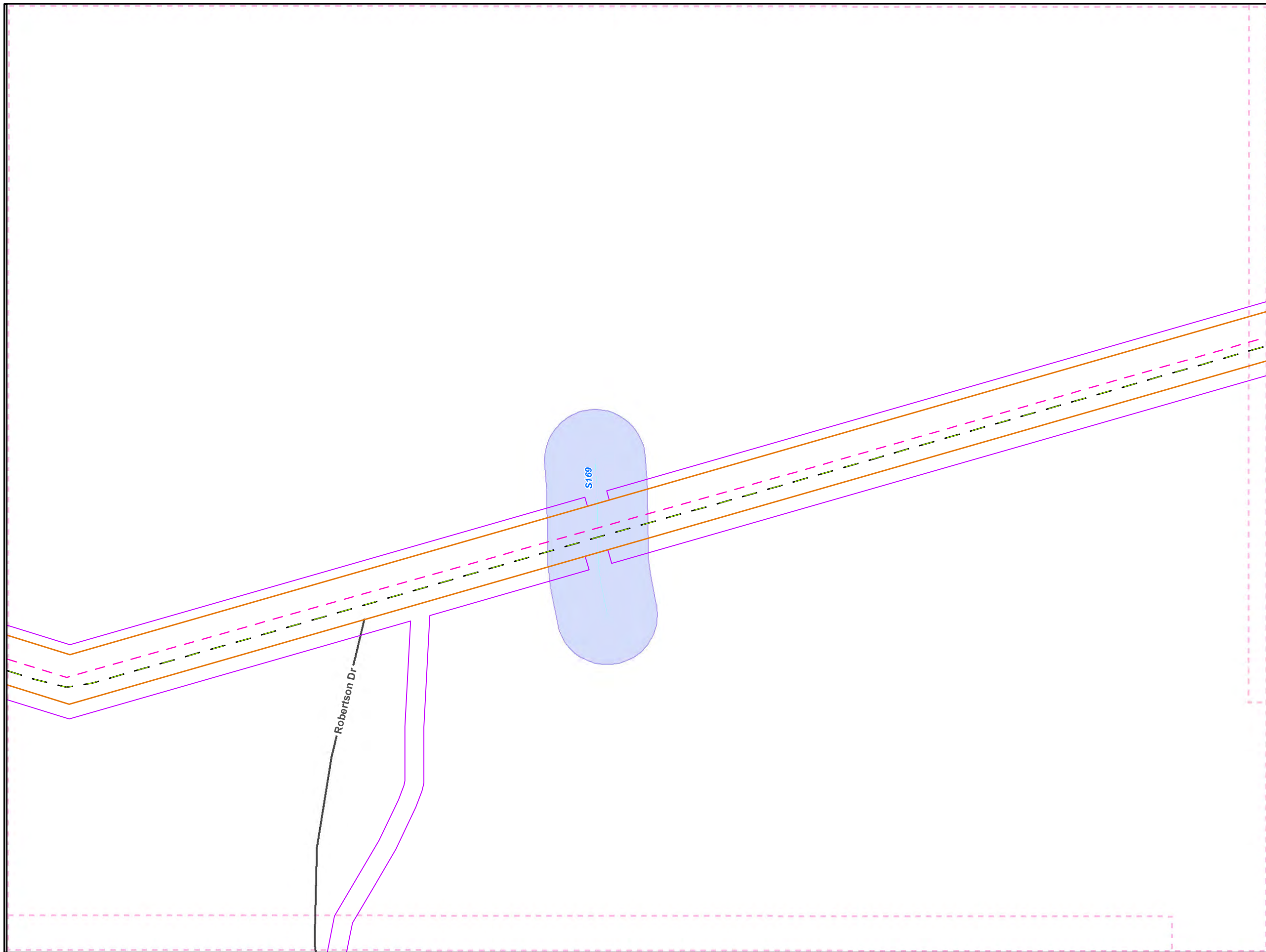
1 inch = 12,500 feet

**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
Sheet 1 of 1

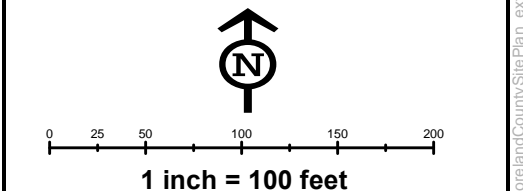
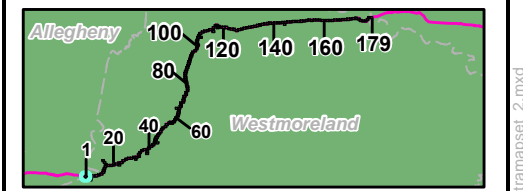
Prepared By: TETRA TECH	Date: 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

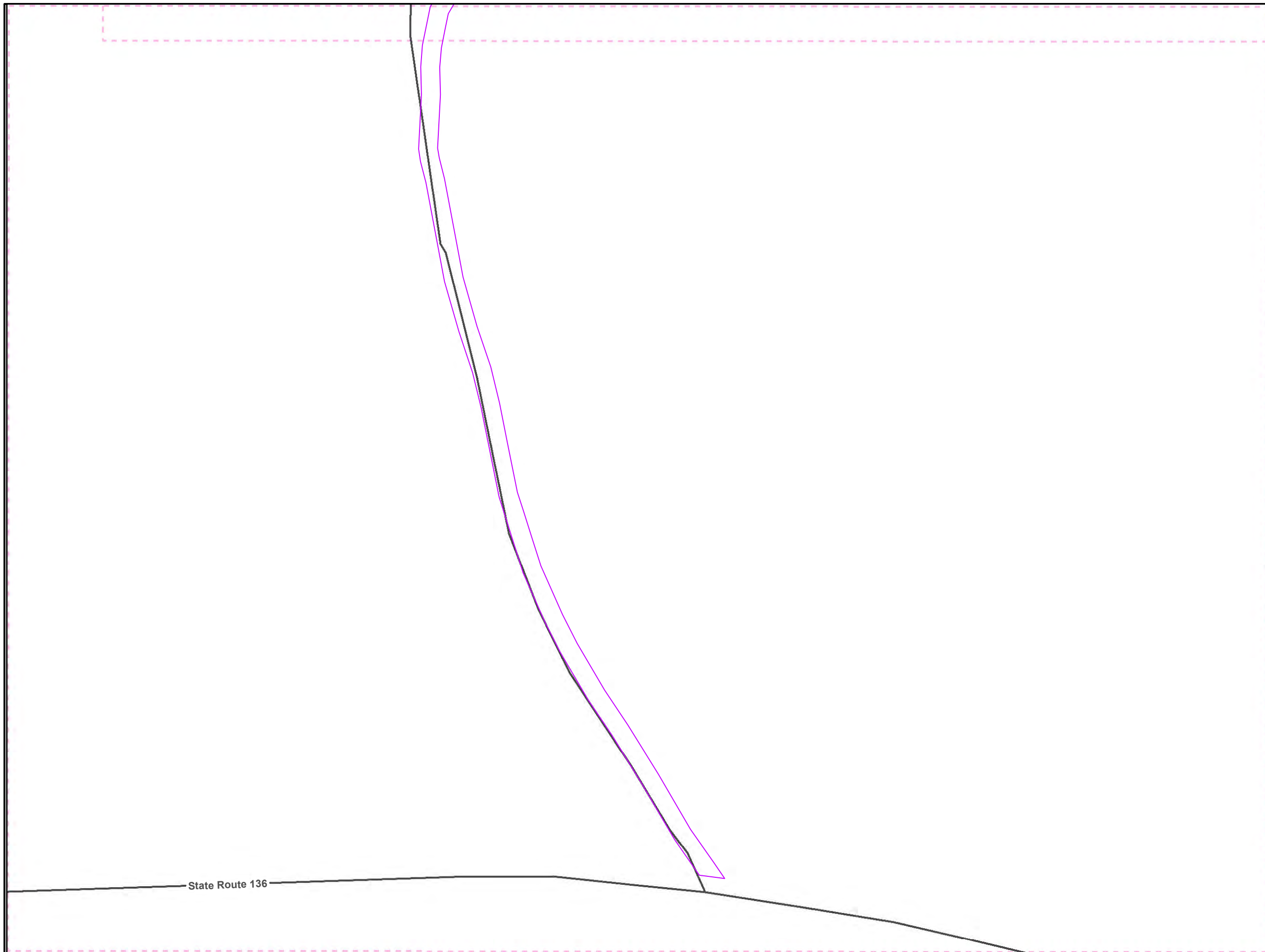


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
1 of 179**

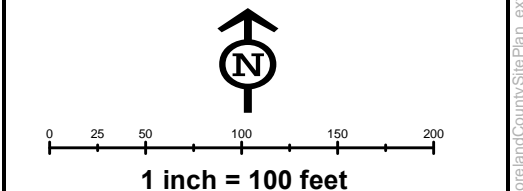
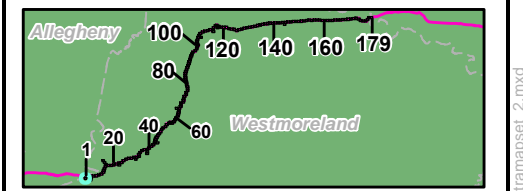
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - / \ 8" Centerline
  - 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - ~ Pond
  - ~ PEM Wetland
  - ~ PFO Wetland
  - ~ PSS Wetland
  - ~ Ch. 105 Floodways
  - ~ Waived Ch. 105 Floodways
  - ~ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

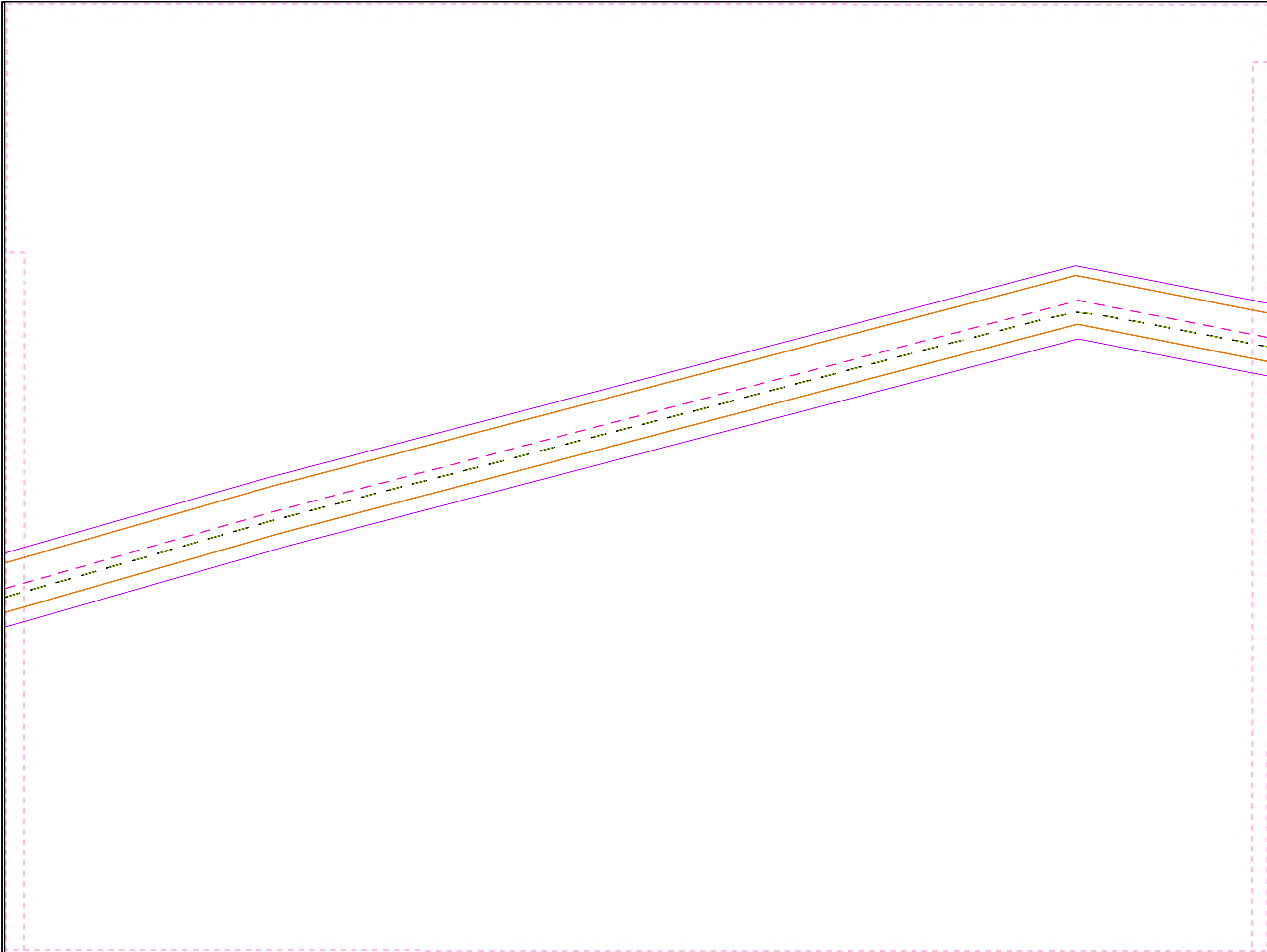


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
2 of 179**

<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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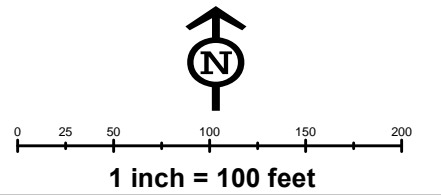
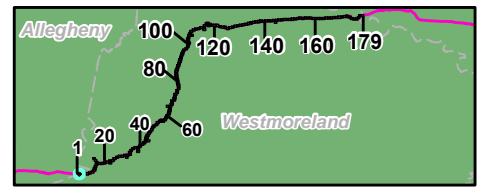
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
 Coordinate System: NAD 83 Stateplane, PA South, Feet

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**Legend**

- PPP 1
- PPP 2
- PPP LOD
- / \ / \ 8" Centerline
- 8" Pipeline Maintenance Corridor
- ME1 12" Centerline
- ME1 12" Perm ROW
- Stations
- ~ Ephemeral Stream
- ~ Intermittent Stream
- ~ Perennial Stream
- ⊗ Pond
- ⊗ PEM Wetland
- ⊗ PFO Wetland
- ⊗ PSS Wetland
- ⊗ Ch. 105 Floodways
- ⊗ Waived Ch. 105 Floodways
- ⊗ Ch. 106 Floodplain Fringe
- Roads
- Sheet Boundary

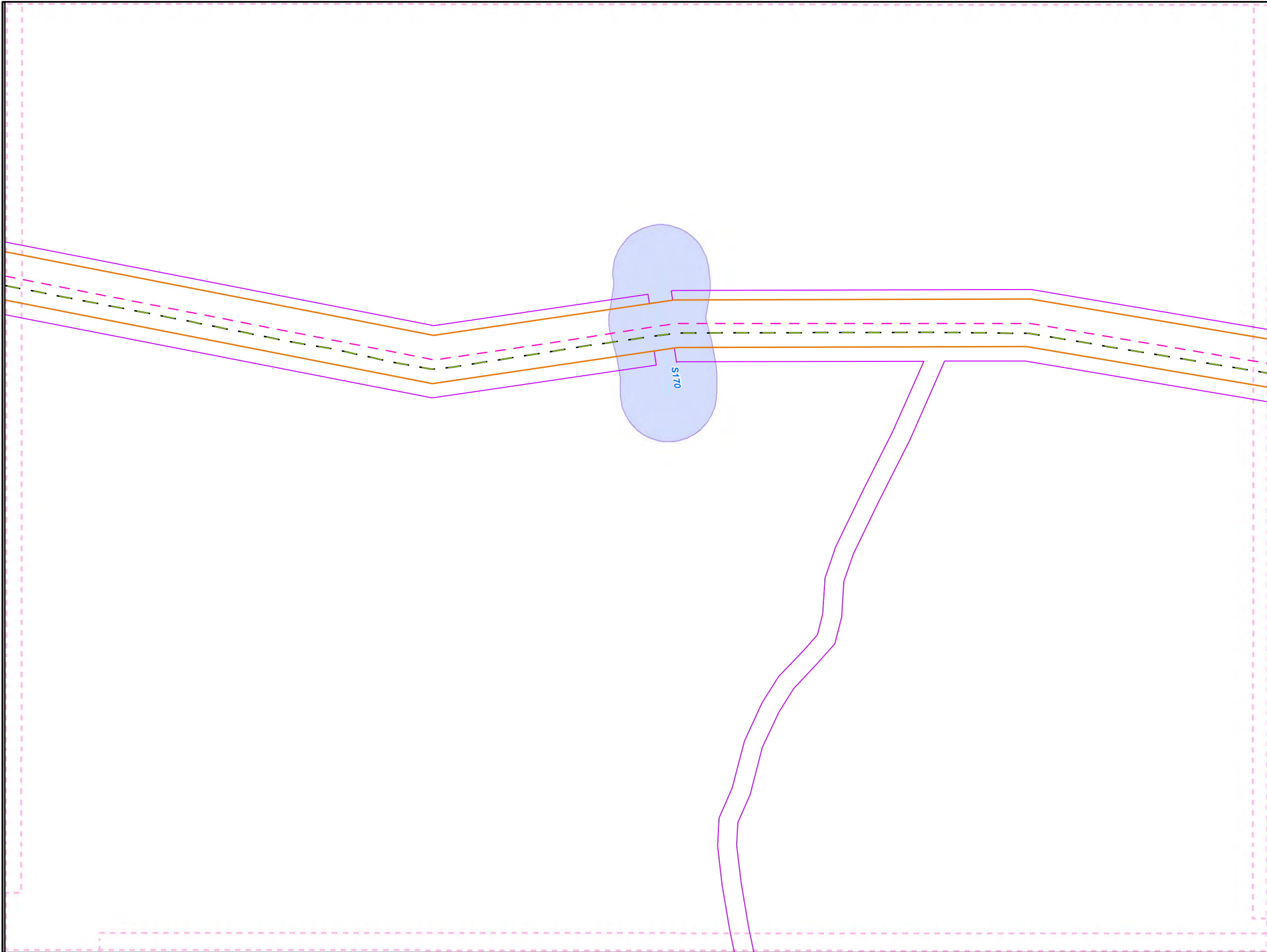


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
3 of 179**

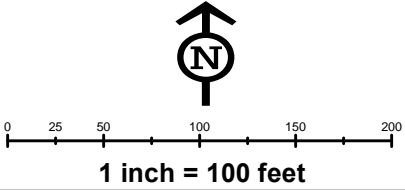
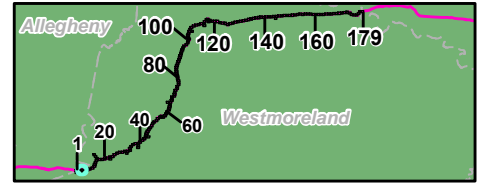
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
 Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

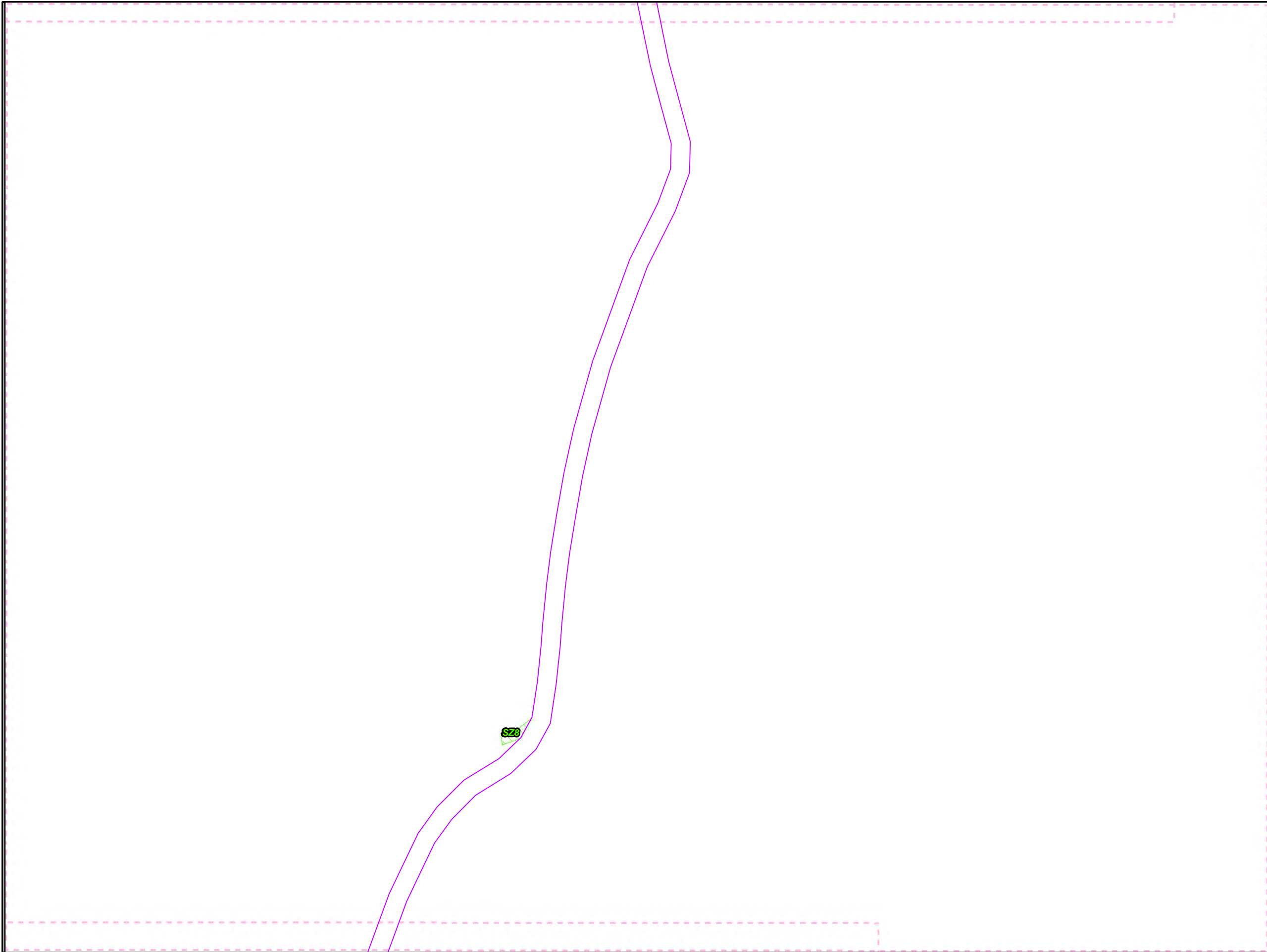


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
4 of 179**

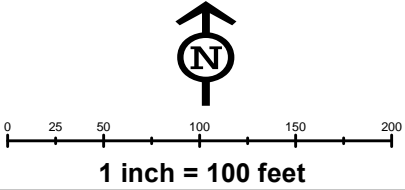
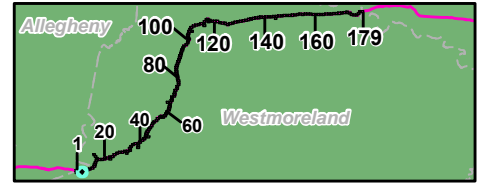
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - / \ / \ 8" Centerline
  - 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ ~ ~ Ephemeral Stream
  - · - · - Intermittent Stream
  - ~ ~ ~ Perennial Stream
  - ⊗ Pond
  - ⊗ PEM Wetland
  - ⊗ PFO Wetland
  - ⊗ PSS Wetland
  - ⊗ Ch. 105 Floodways
  - ⊗ Waived Ch. 105 Floodways
  - ⊗ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

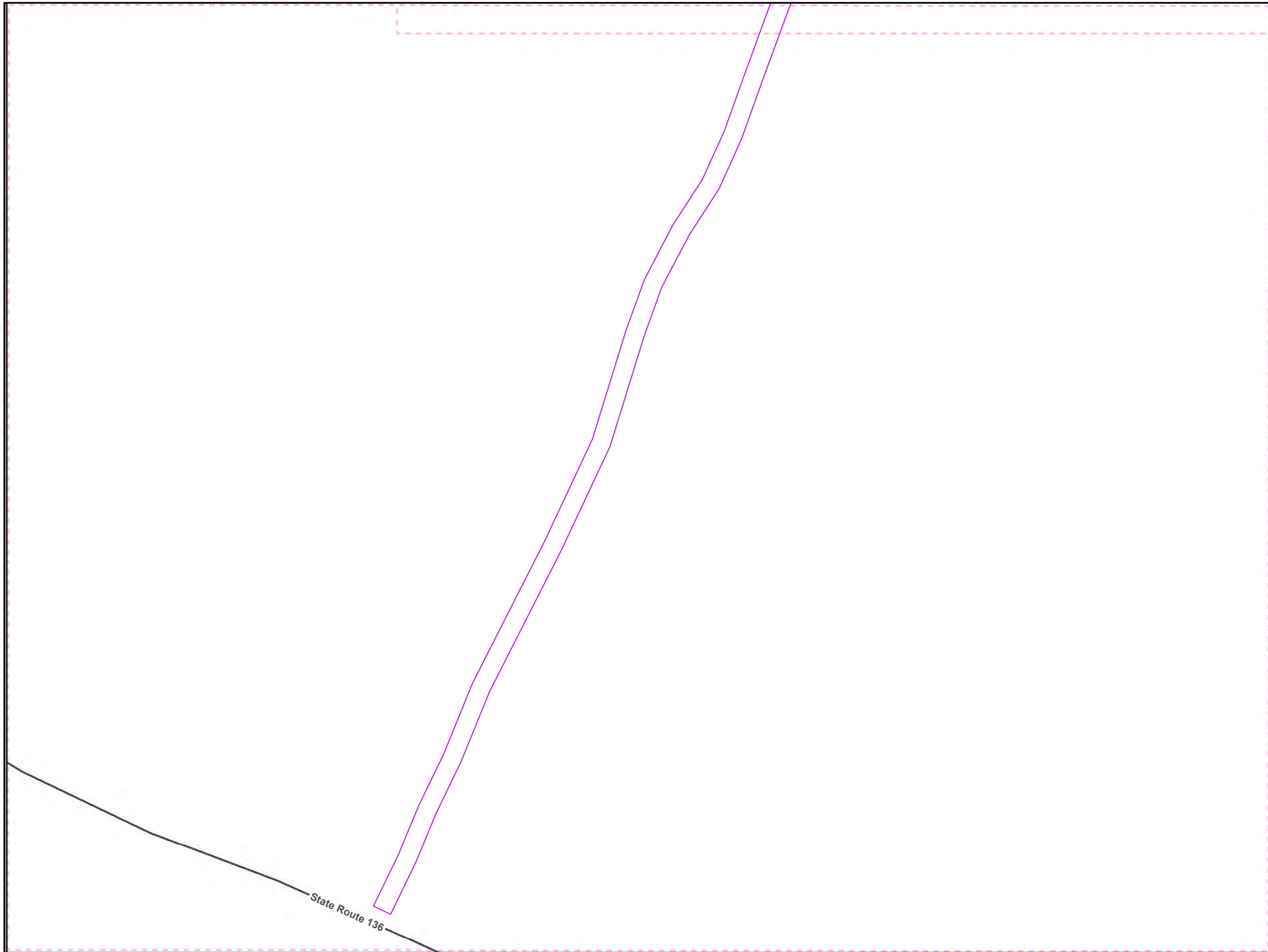


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
5 of 179**

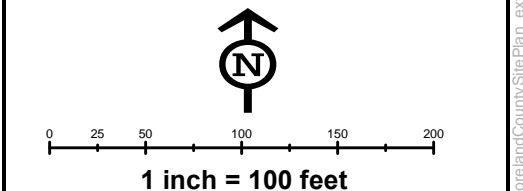
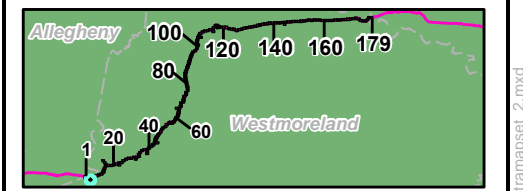
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - / / 8" Centerline
  - 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - - - Intermittent Stream
  - ~ Perennial Stream
  - ⊗ Pond
  - ⊗ PEM Wetland
  - ⊗ PFO Wetland
  - ⊗ PSS Wetland
  - ⊗ Ch. 105 Floodways
  - ⊗ Waived Ch. 105 Floodways
  - ⊗ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

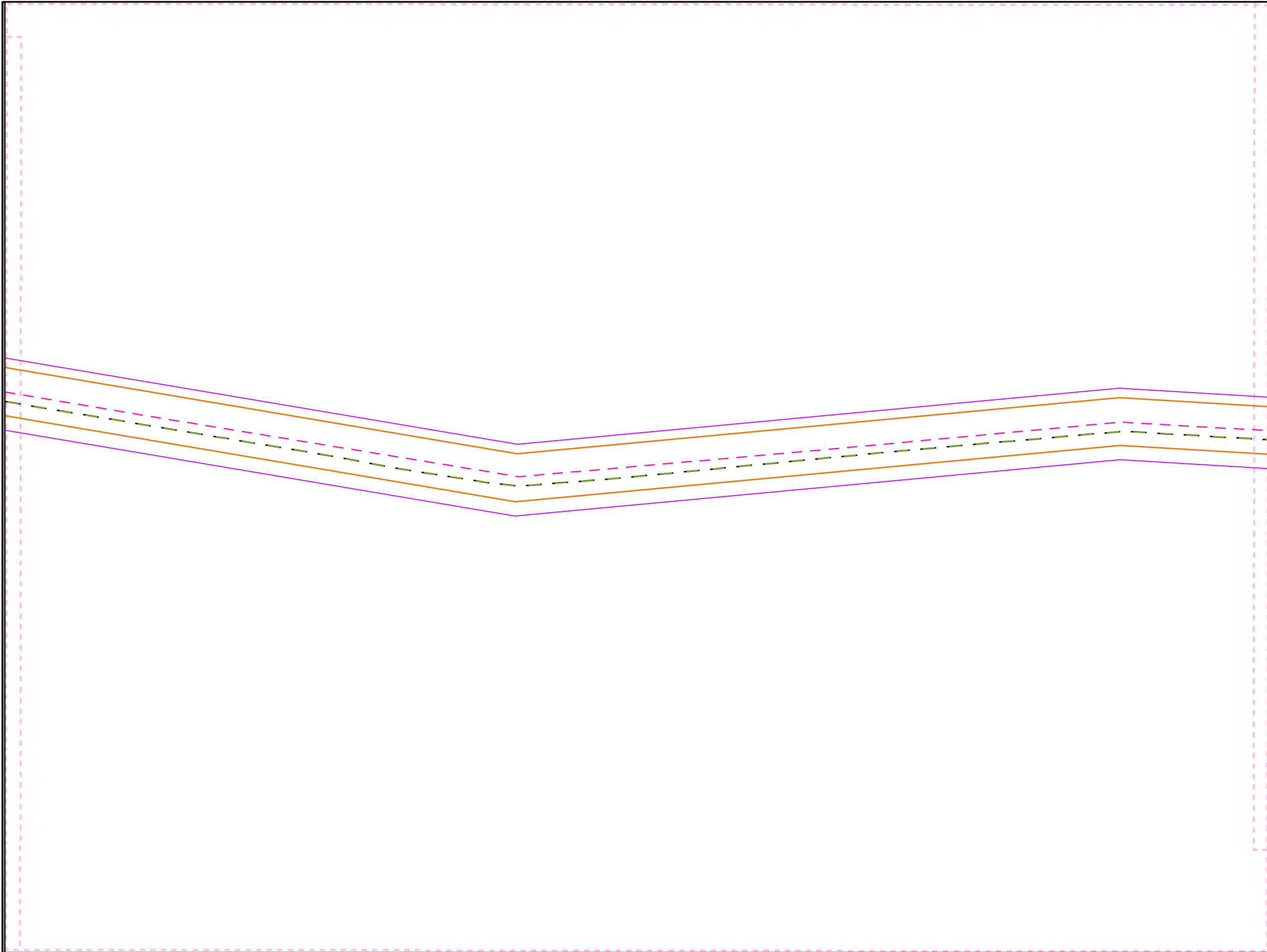


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
6 of 179**

<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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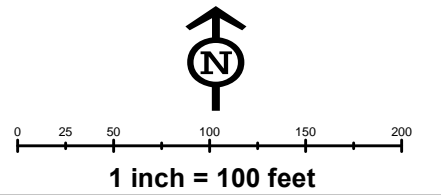
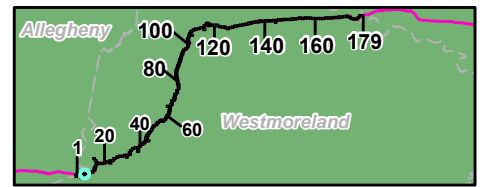
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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**Legend**

- PPP 1
- PPP 2
- PPP LOD
- / - / - 8" Centerline
- 8" Pipeline Maintenance Corridor
- ME1 12" Centerline
- ME1 12" Perm ROW
- Stations
- ~ ~ ~ Ephemeral Stream
- · - · - Intermittent Stream
- ~ ~ ~ Perennial Stream
- ⊗ Pond
- ⊗ PEM Wetland
- ⊗ PFO Wetland
- ⊗ PSS Wetland
- ⊗ Ch. 105 Floodways
- ⊗ Waived Ch. 105 Floodways
- ⊗ Ch. 106 Floodplain Fringe
- Roads
- Sheet Boundary



**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
7 of 179**

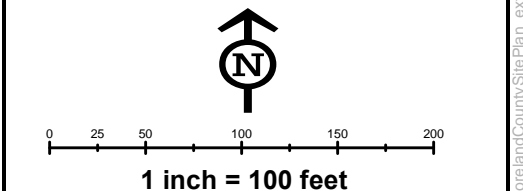
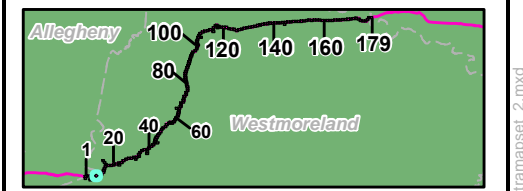
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - ⊕ Pond
  - ⊕ PEM Wetland
  - ⊕ PFO Wetland
  - ⊕ PSS Wetland
  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

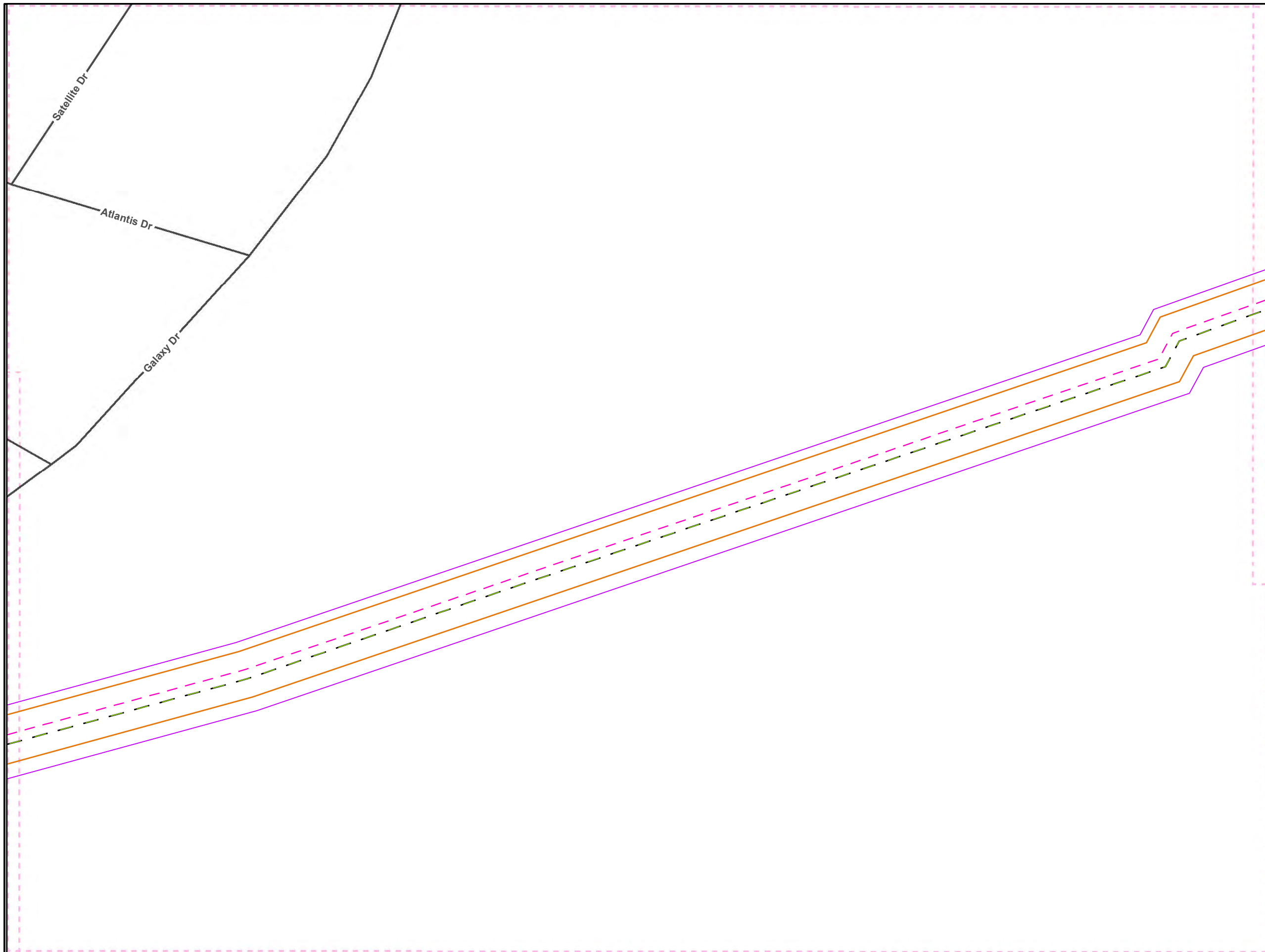


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
8 of 179**

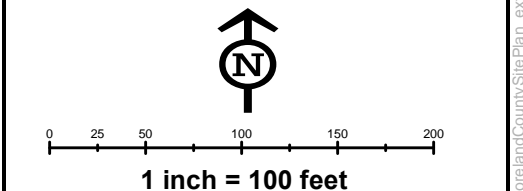
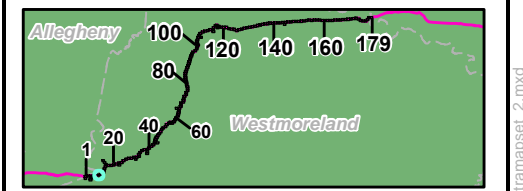
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

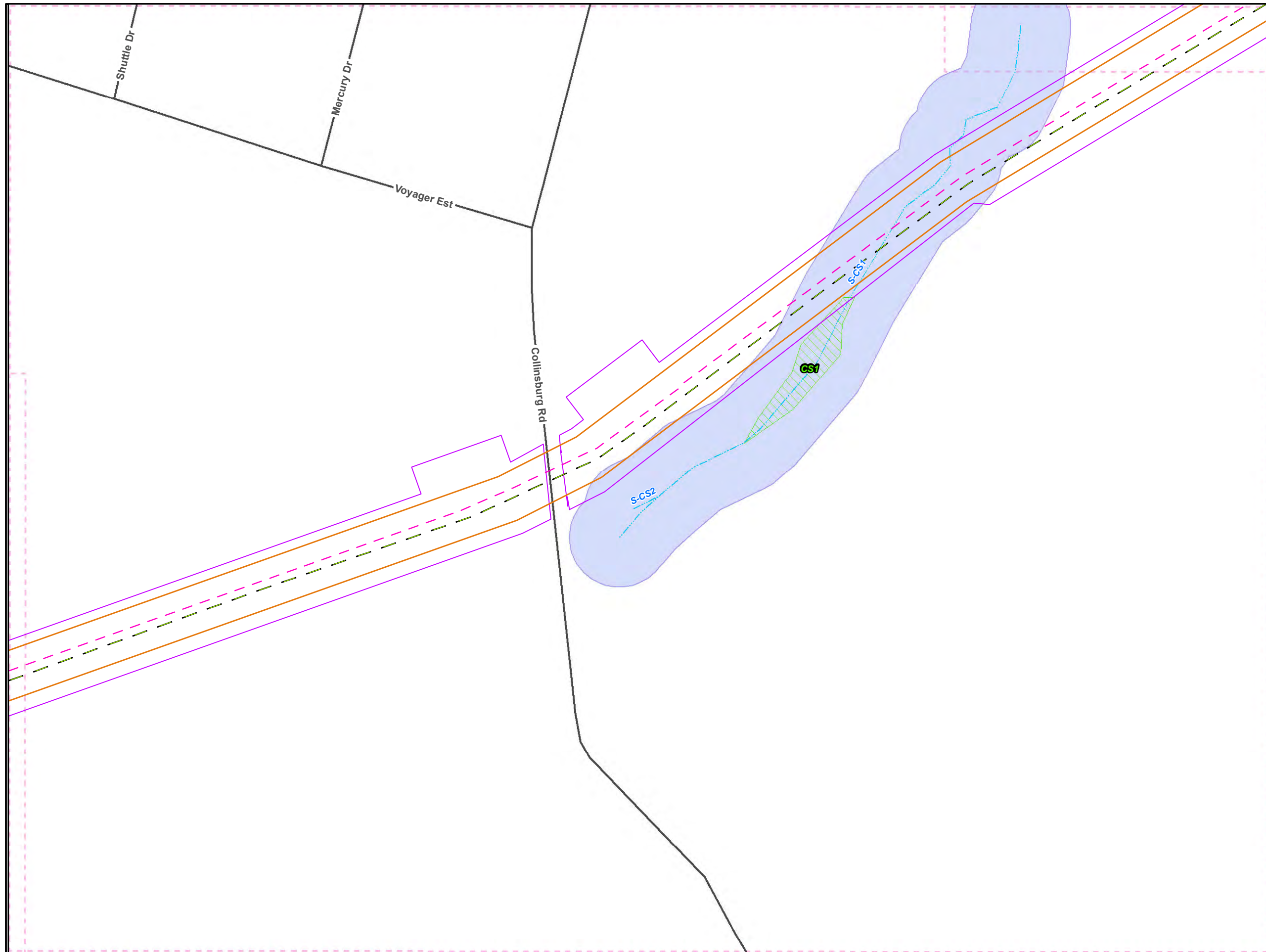


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
9 of 179**

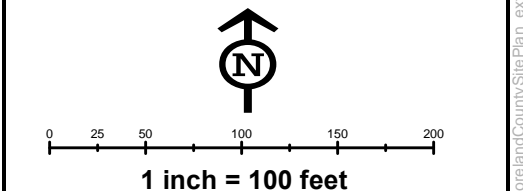
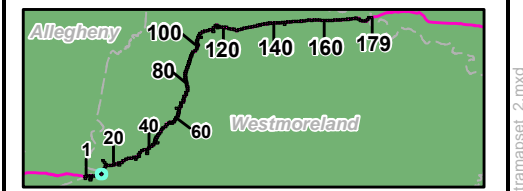
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - ⊡ Pond
  - ⊡ PEM Wetland
  - ⊡ PFO Wetland
  - ⊡ PSS Wetland
  - ⊡ Ch. 105 Floodways
  - ⊡ Waived Ch. 105 Floodways
  - ⊡ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

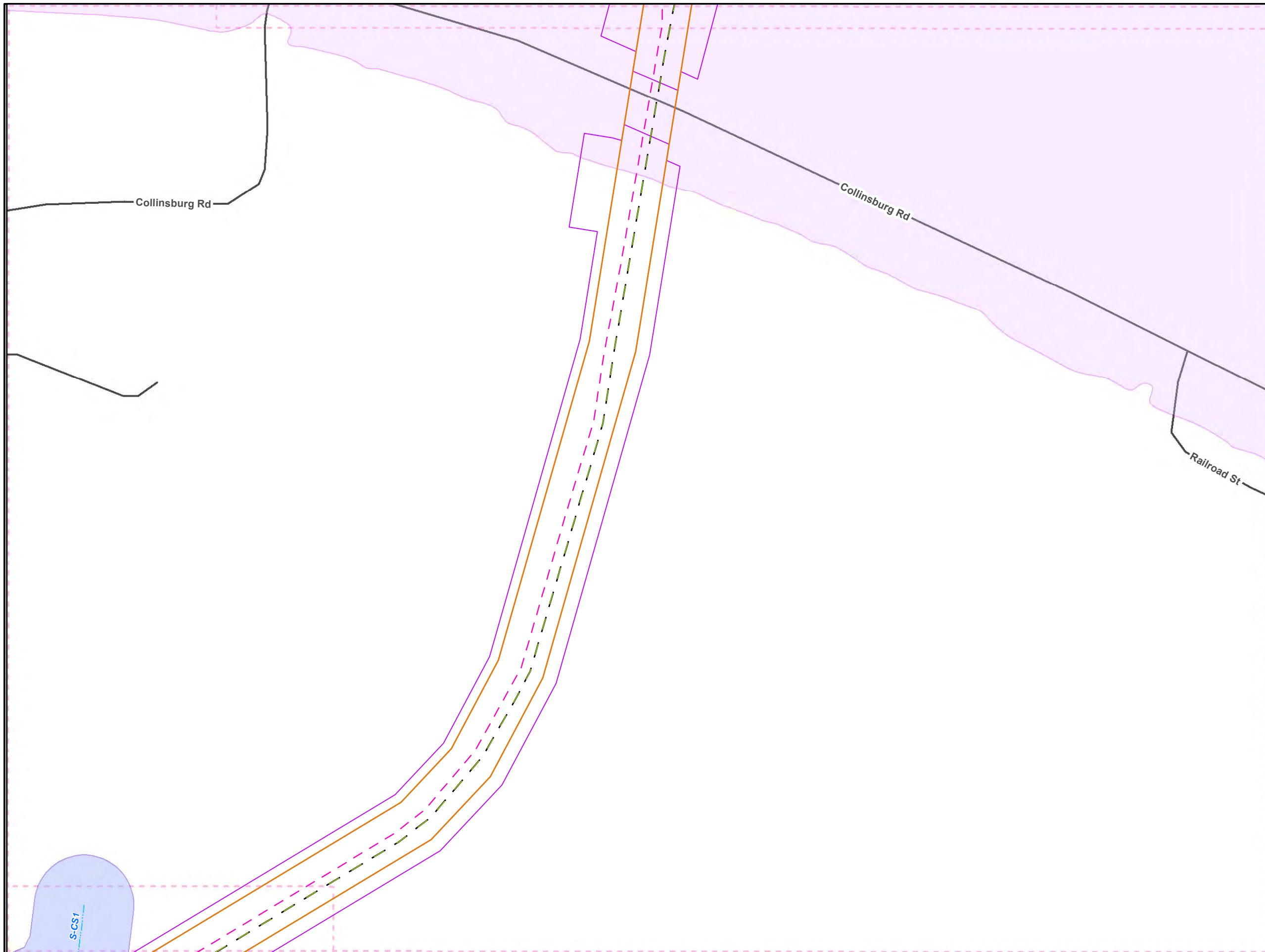


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
10 of 179**

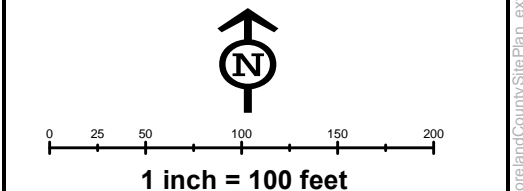
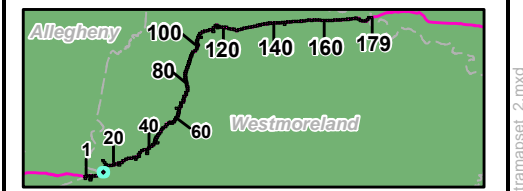
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ ~ ~ Ephemeral Stream
  - ~ ~ ~ Intermittent Stream
  - ~ ~ ~ Perennial Stream
  - ▭ Pond
  - ▭ PEM Wetland
  - ▭ PFO Wetland
  - ▭ PSS Wetland
  - ▭ Ch. 105 Floodways
  - ▭ Waived Ch. 105 Floodways
  - ▭ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

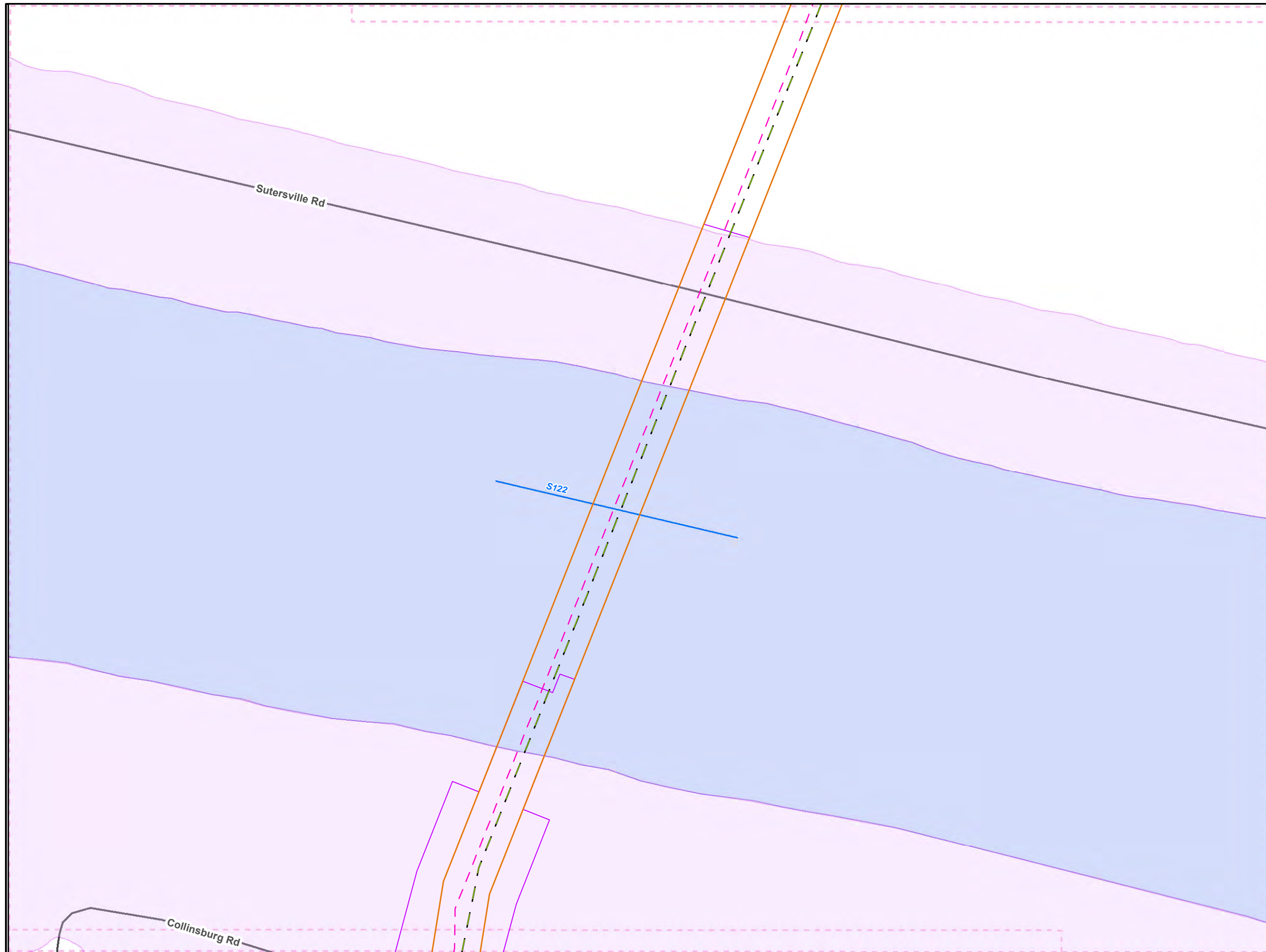


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
11 of 179**

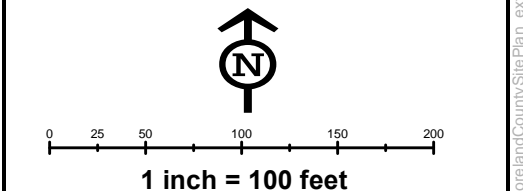
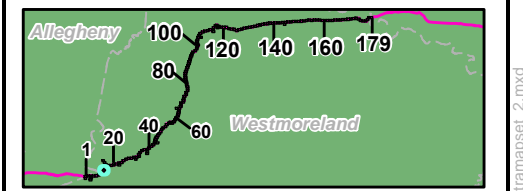
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
 Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - ⊕ Pond
  - ⊕ PEM Wetland
  - ⊕ PFO Wetland
  - ⊕ PSS Wetland
  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary



**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
12 of 179**

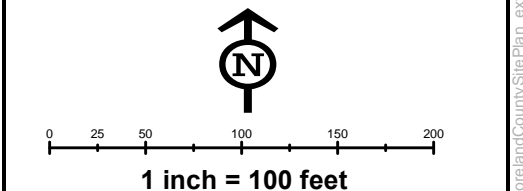
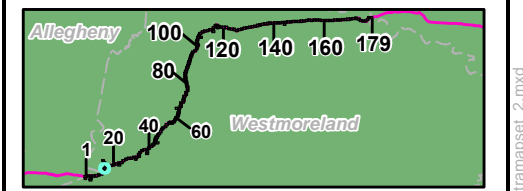
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - ⊕ Pond
  - ⊕ PEM Wetland
  - ⊕ PFO Wetland
  - ⊕ PSS Wetland
  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

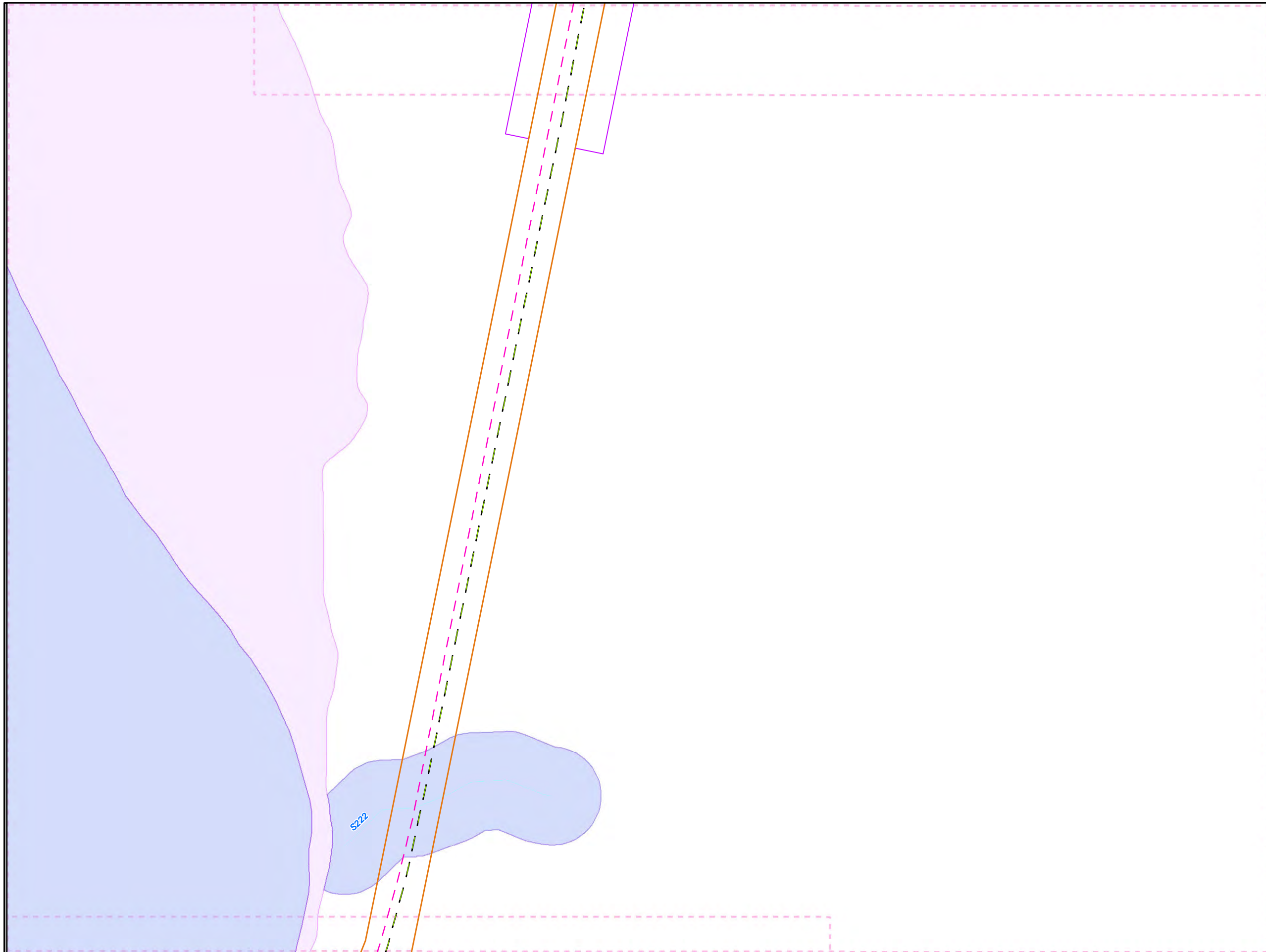


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
13 of 179**

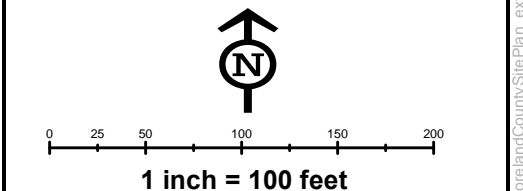
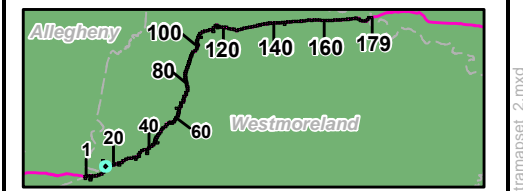
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

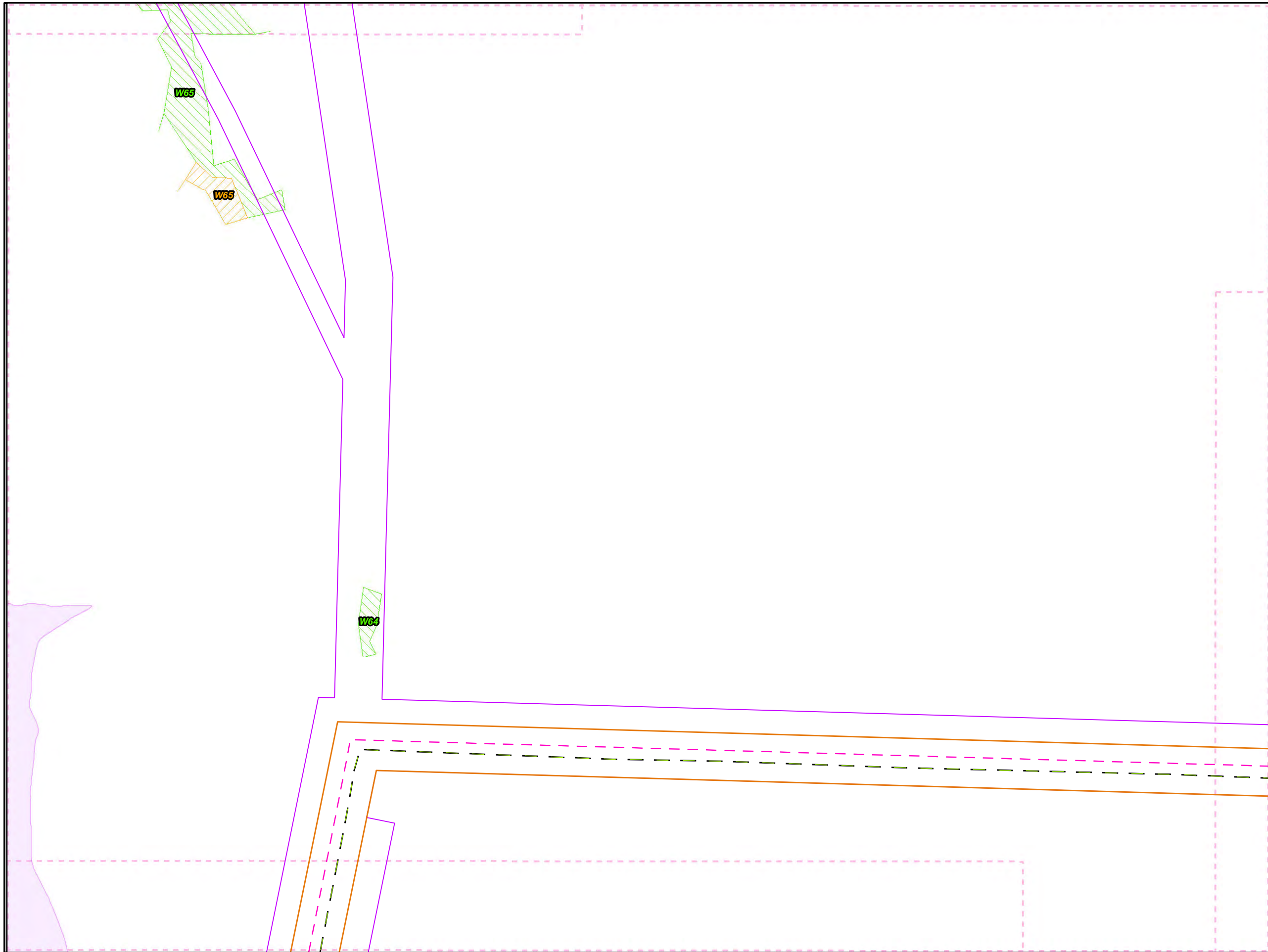


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
14 of 179**

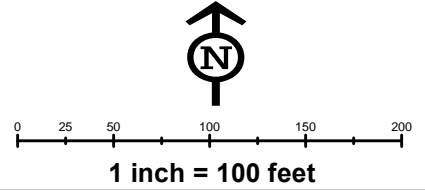
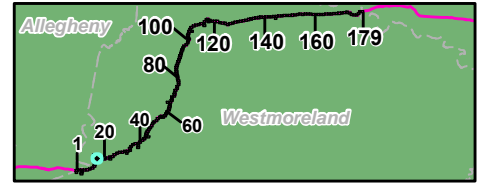
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

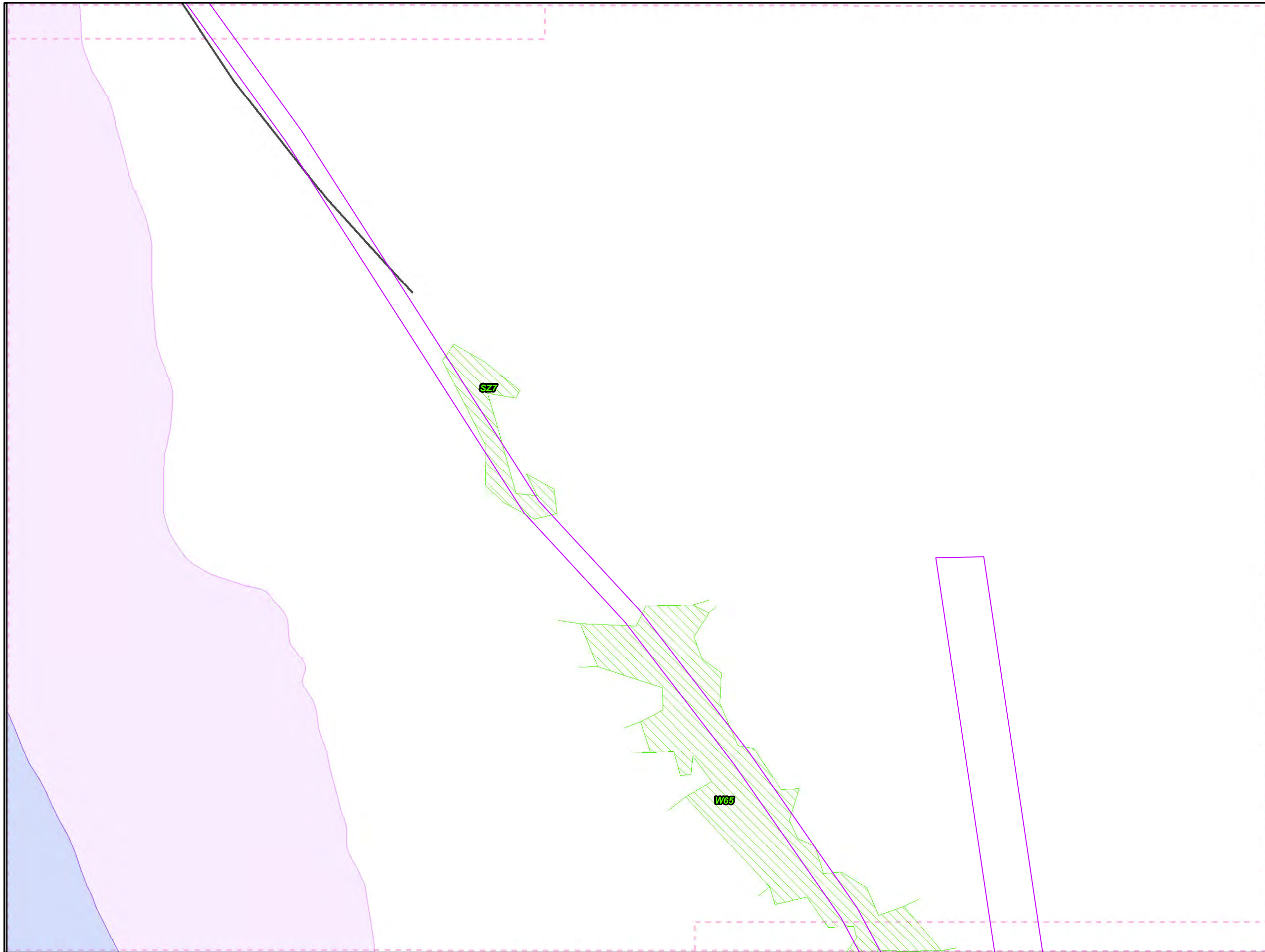


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA. 15 of 179**

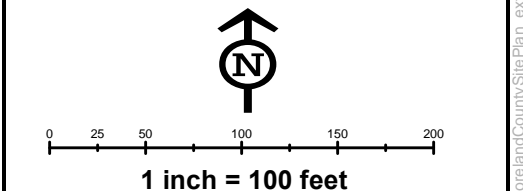
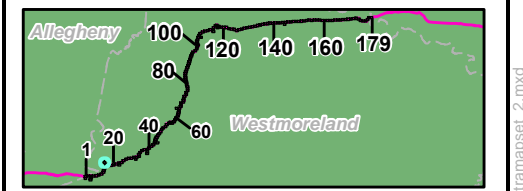
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - ⊗ Pond
  - ⊗ PEM Wetland
  - ⊗ PFO Wetland
  - ⊗ PSS Wetland
  - ⊗ Ch. 105 Floodways
  - ⊗ Waived Ch. 105 Floodways
  - ⊗ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

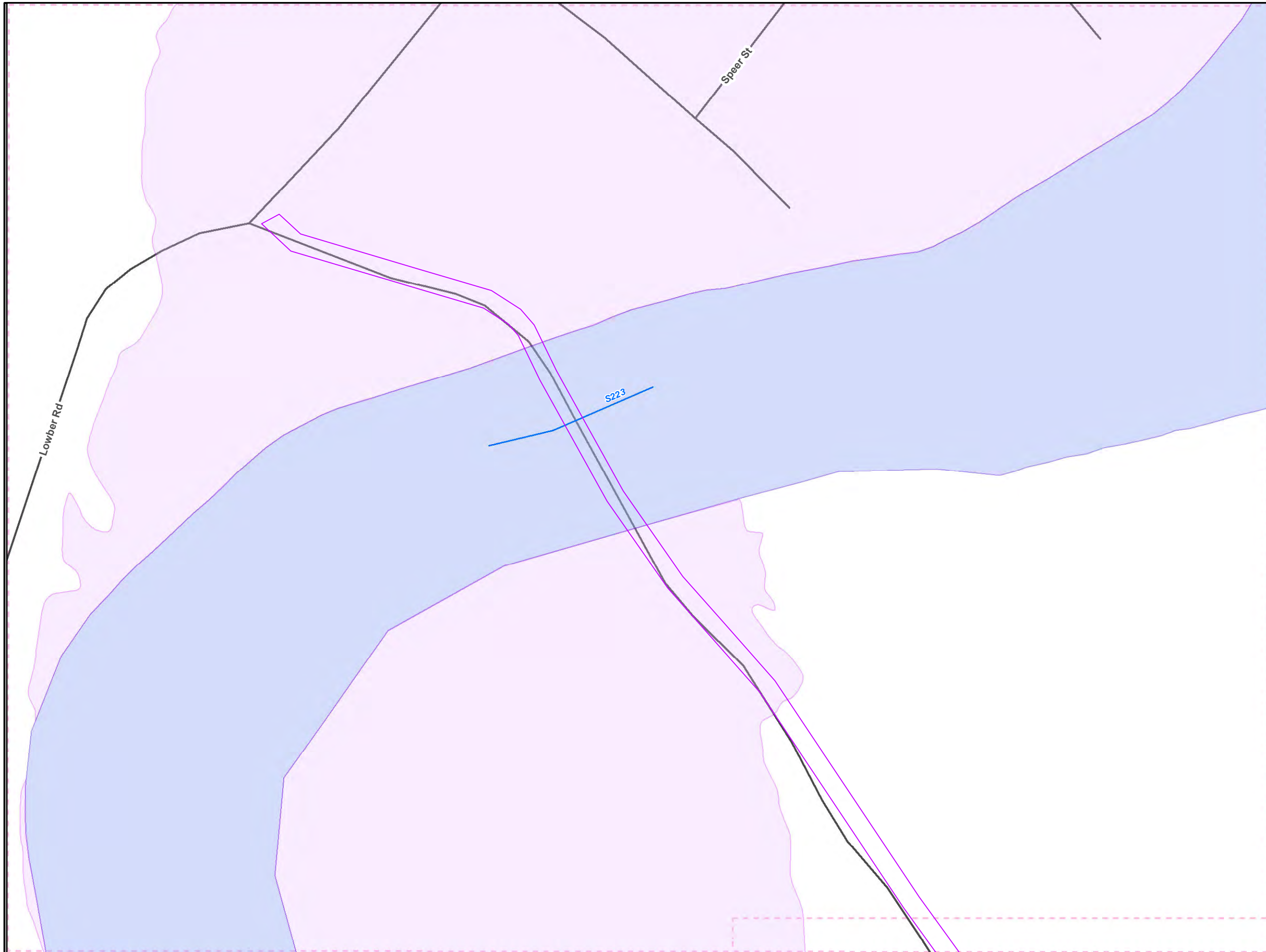


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
16 of 179**

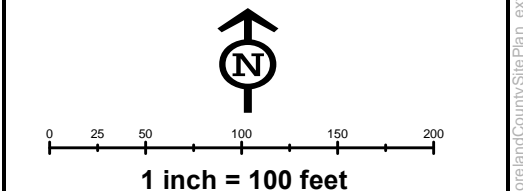
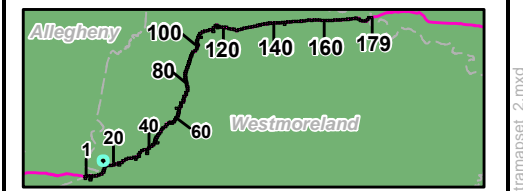
<b>Prepared By:</b> TETRA TECH	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

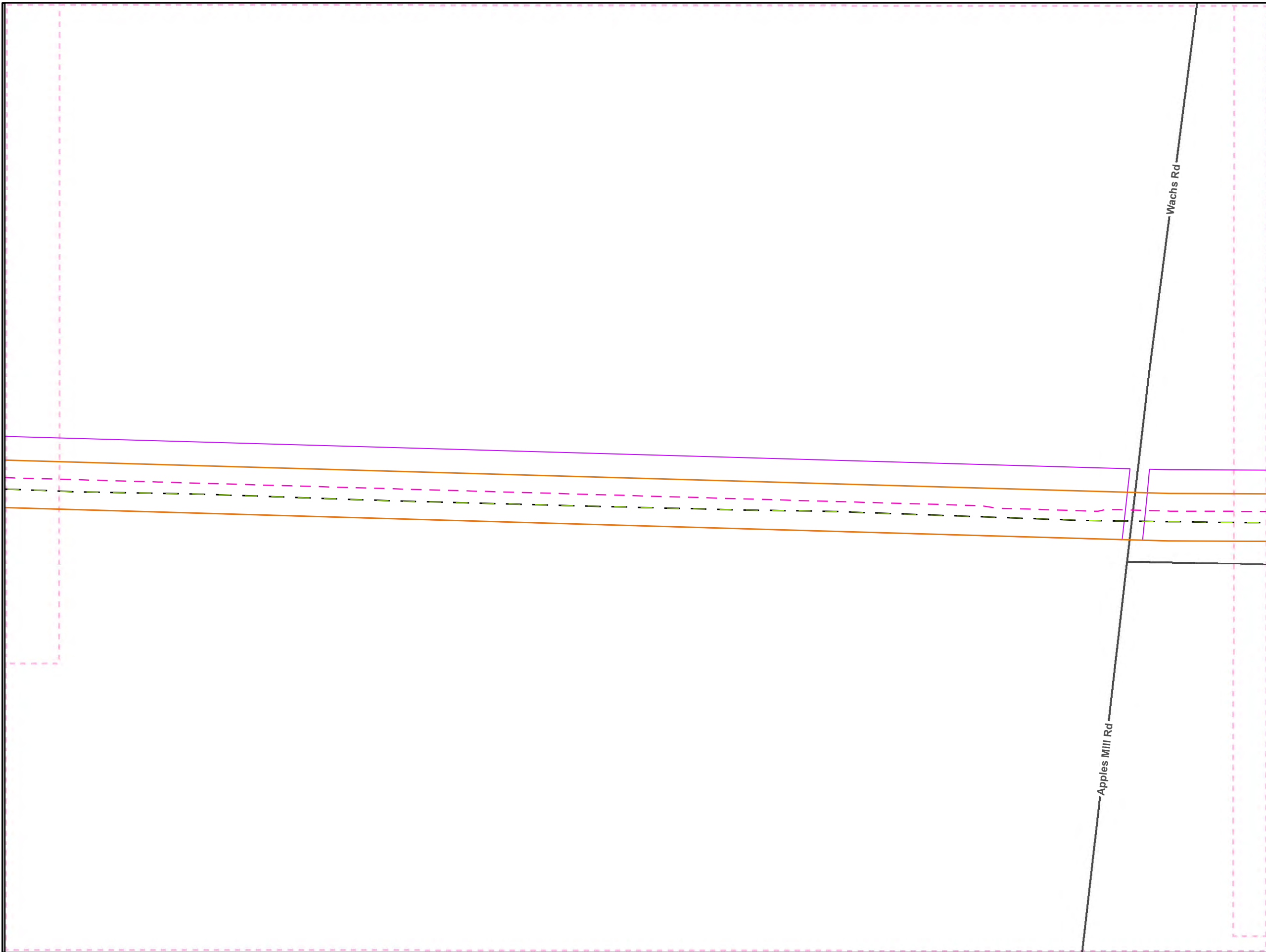


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
17 of 179**

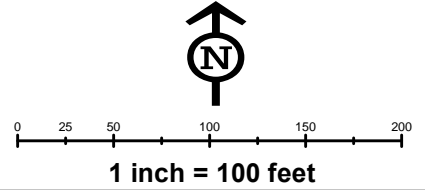
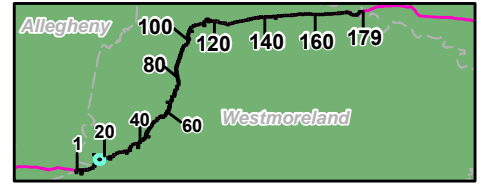
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - ⊕ Pond
  - ⊕ PEM Wetland
  - ⊕ PFO Wetland
  - ⊕ PSS Wetland
  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

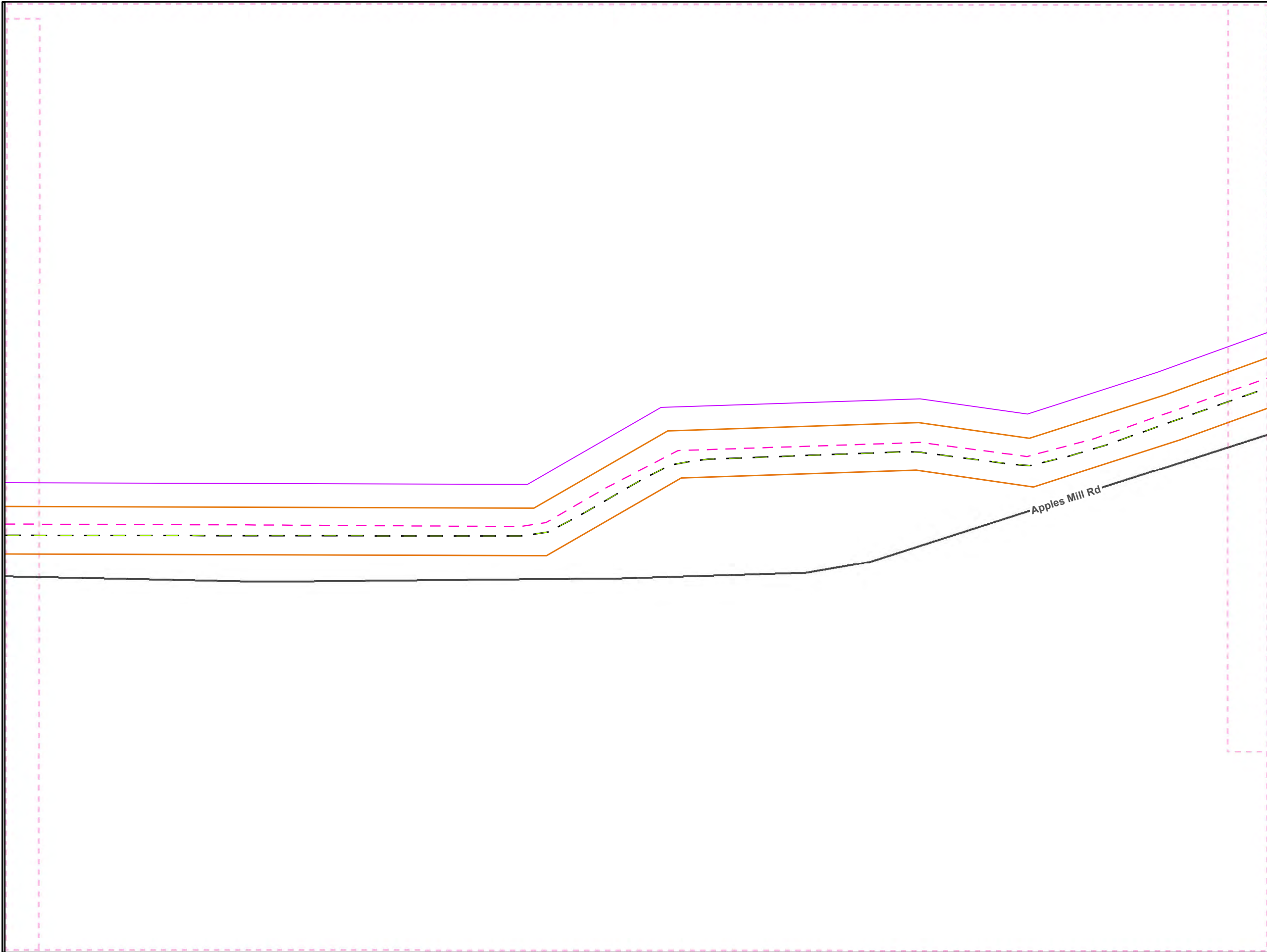


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
18 of 179**

<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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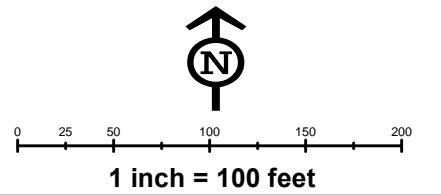
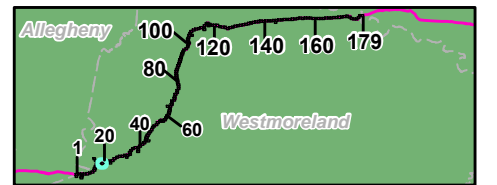
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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**Legend**

- PPP 1
- PPP 2
- PPP LOD
- / \ / \ 8" Centerline
- 8" Pipeline Maintenance Corridor
- - - ME1 12" Centerline
- ME1 12" Perm ROW
- Stations
- ~ ~ ~ Ephemeral Stream
- ~ ~ ~ Intermittent Stream
- ~ ~ ~ Perennial Stream
- ~ ~ ~ Pond
- ~ ~ ~ PEM Wetland
- ~ ~ ~ PFO Wetland
- ~ ~ ~ PSS Wetland
- ~ ~ ~ Ch. 105 Floodways
- ~ ~ ~ Waived Ch. 105 Floodways
- ~ ~ ~ Ch. 106 Floodplain Fringe
- — — Roads
- Sheet Boundary

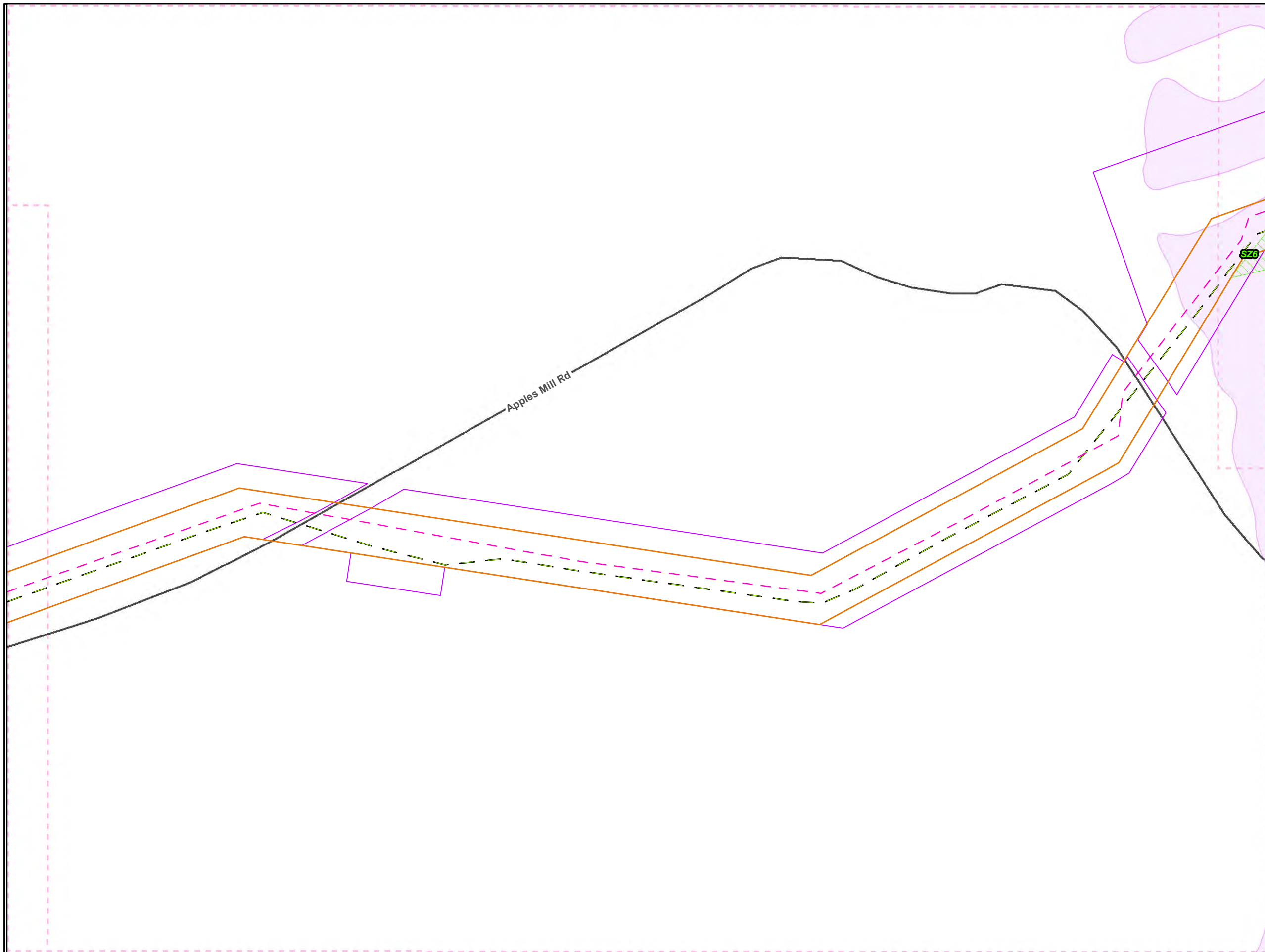


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
19 of 179**

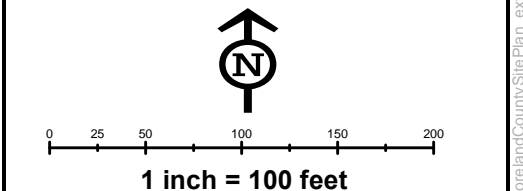
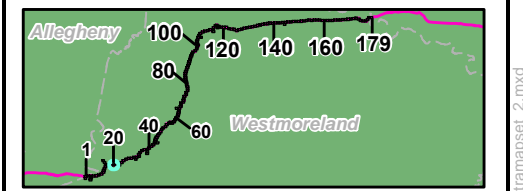
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - ⊕ Pond
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  - ⊕ PFO Wetland
  - ⊕ PSS Wetland
  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

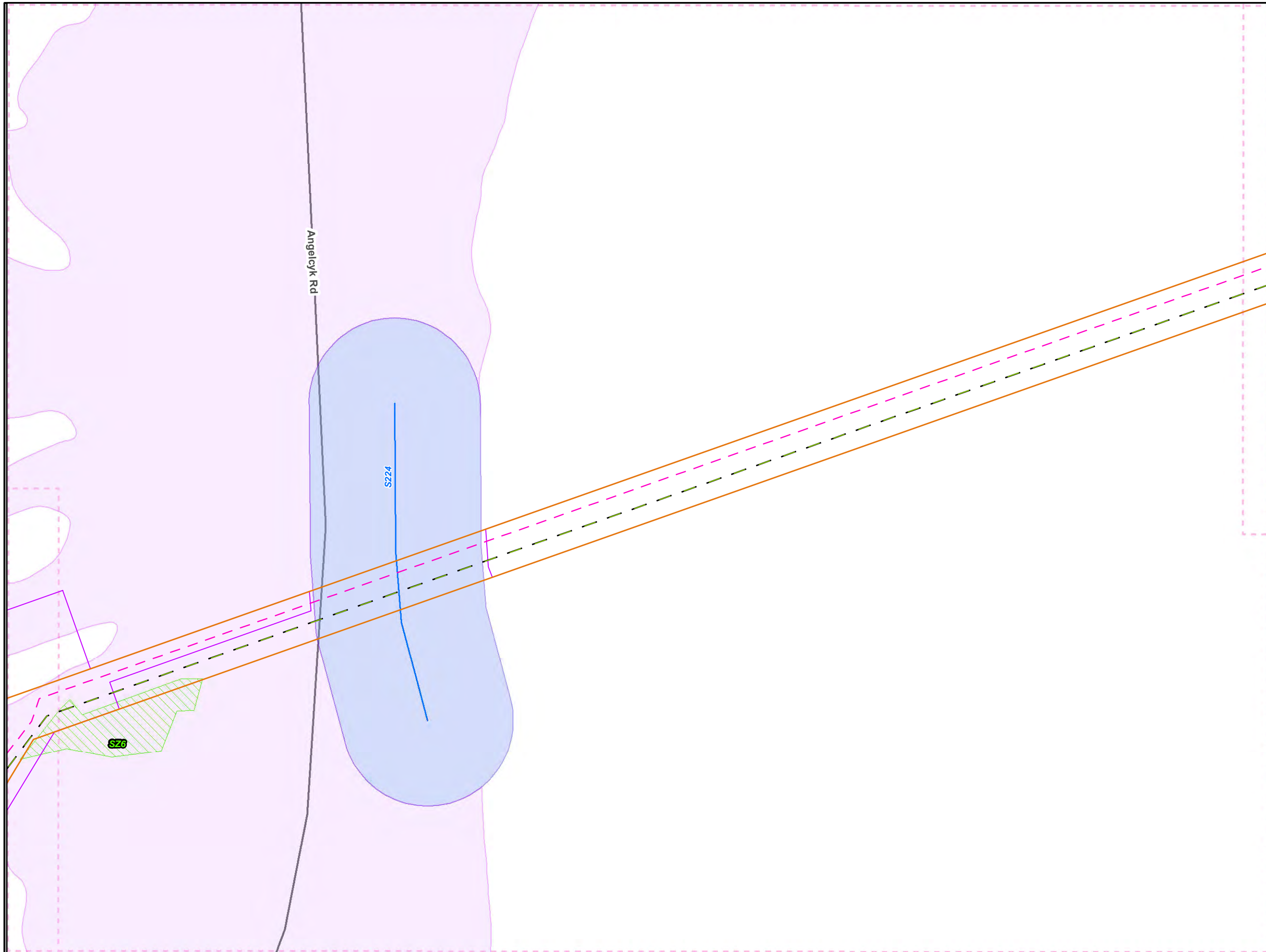


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
20 of 179**

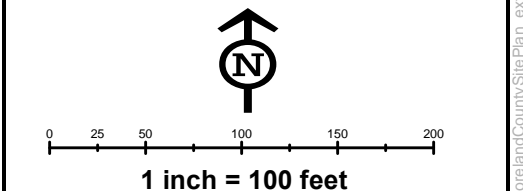
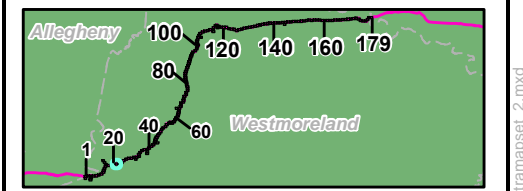
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
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  - ⊕ Pond
  - ⊕ PEM Wetland
  - ⊕ PFO Wetland
  - ⊕ PSS Wetland
  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - ⋮ Sheet Boundary

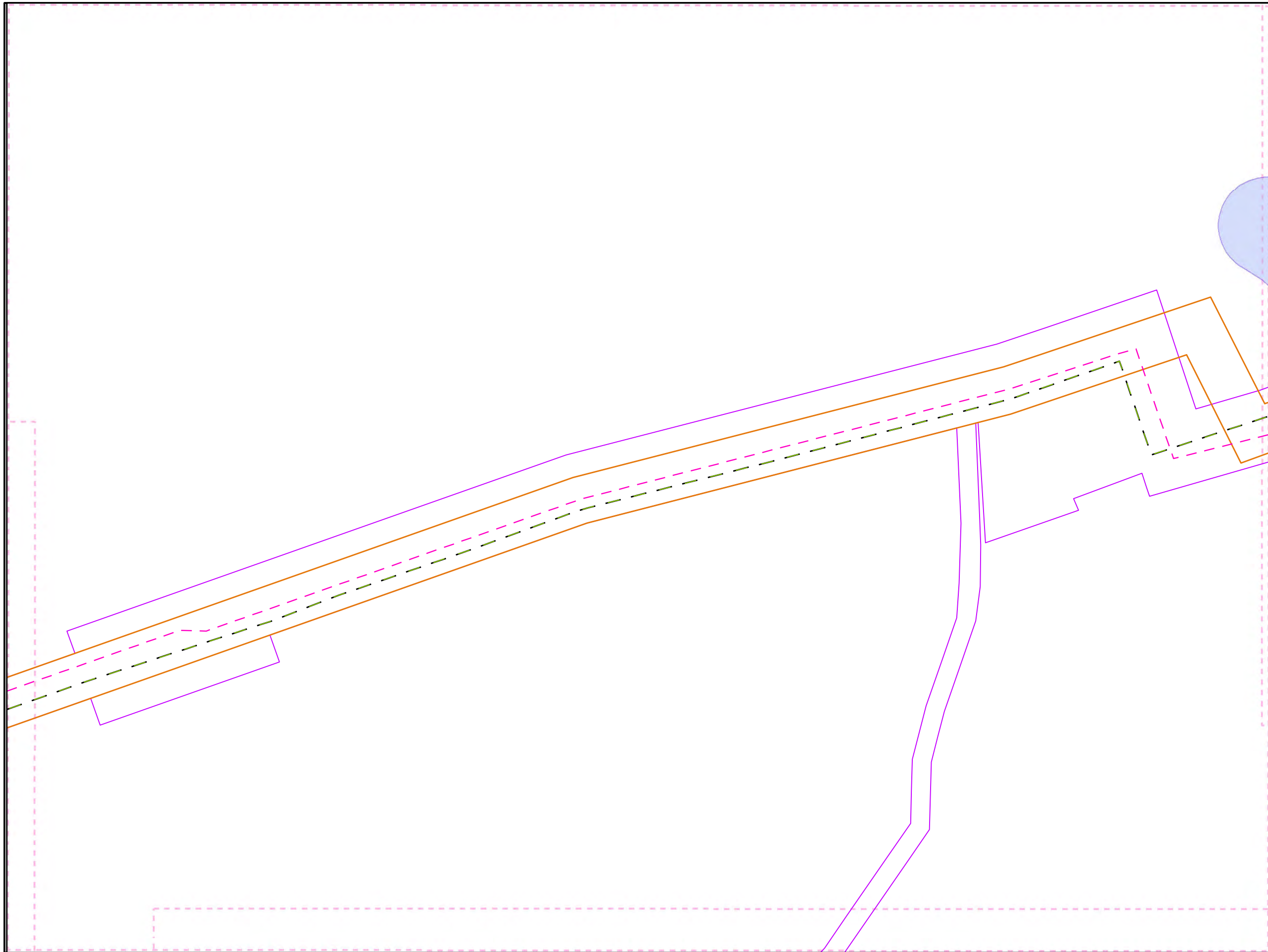


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
21 of 179**

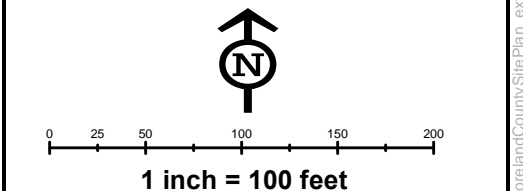
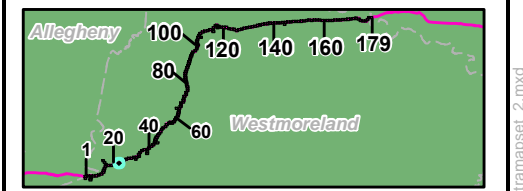
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
  - PPP 2
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  - ▨ 8" Pipeline Maintenance Corridor
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  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

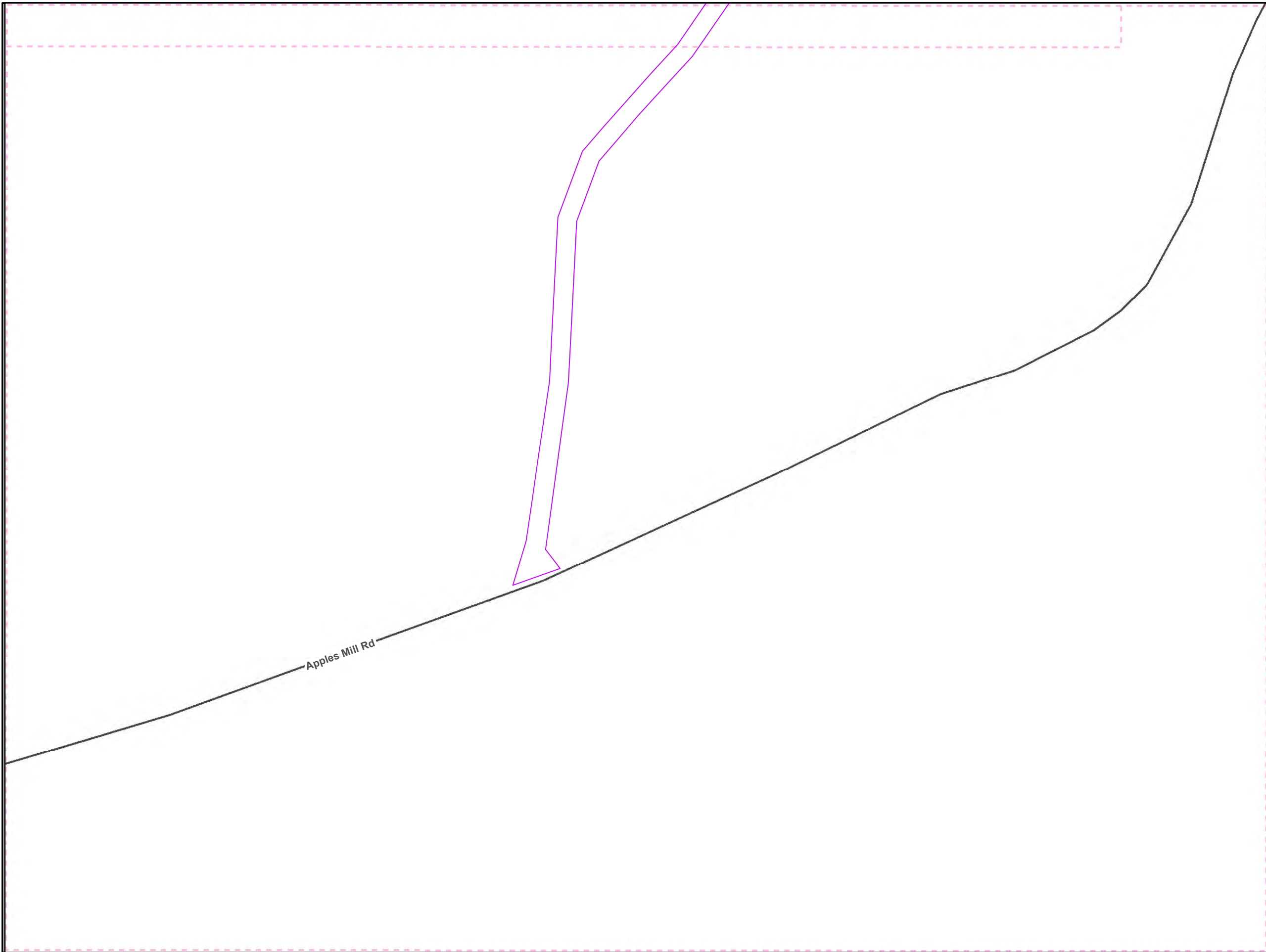


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
22 of 179**

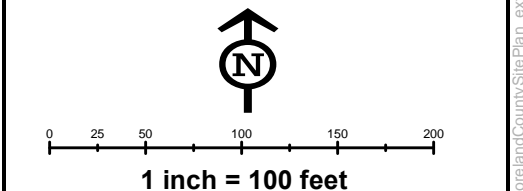
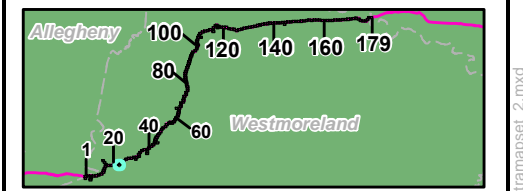
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - / / 8" Centerline
  - 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ ~ ~ Ephemeral Stream
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  - ~ ~ ~ Pond
  - ~ ~ ~ PEM Wetland
  - ~ ~ ~ PFO Wetland
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  - ~ ~ ~ Ch. 105 Floodways
  - ~ ~ ~ Waived Ch. 105 Floodways
  - ~ ~ ~ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary



**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
23 of 179**

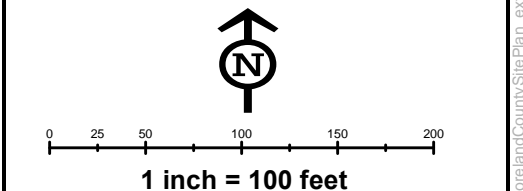
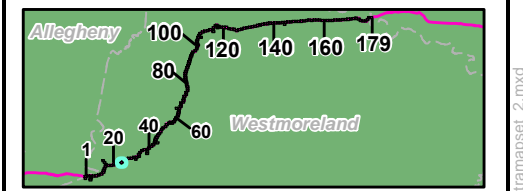
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
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  - PPP LOD
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  - ▨ 8" Pipeline Maintenance Corridor
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  - ▭ ME1 12" Perm ROW
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  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

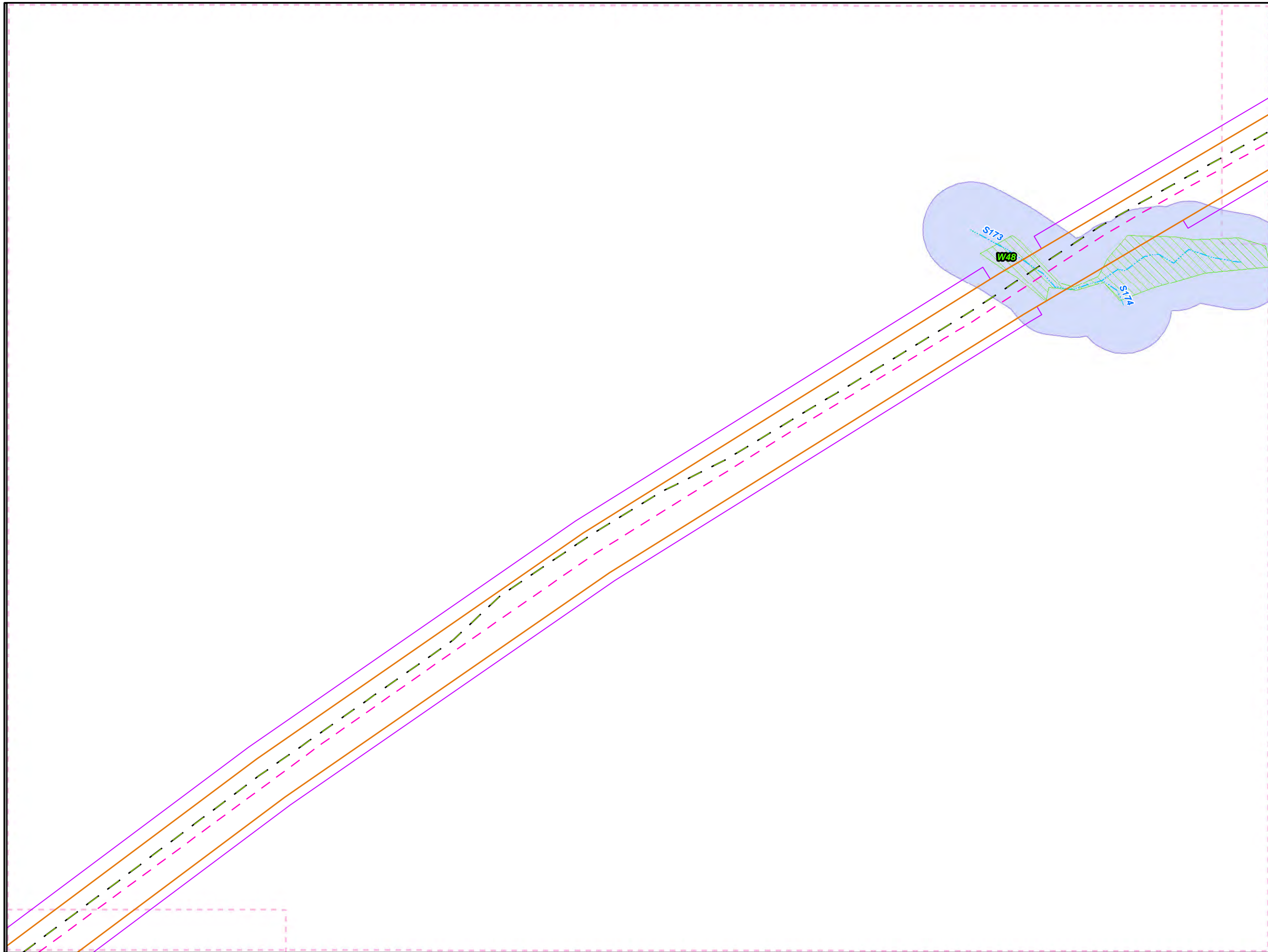


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
24 of 179**

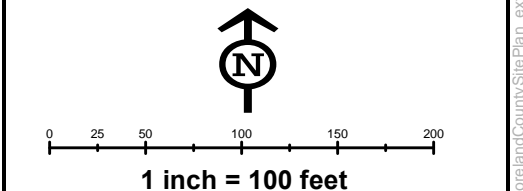
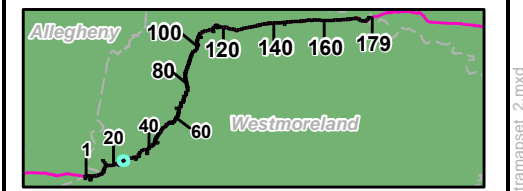
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
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  - ▨ PEM Wetland
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  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

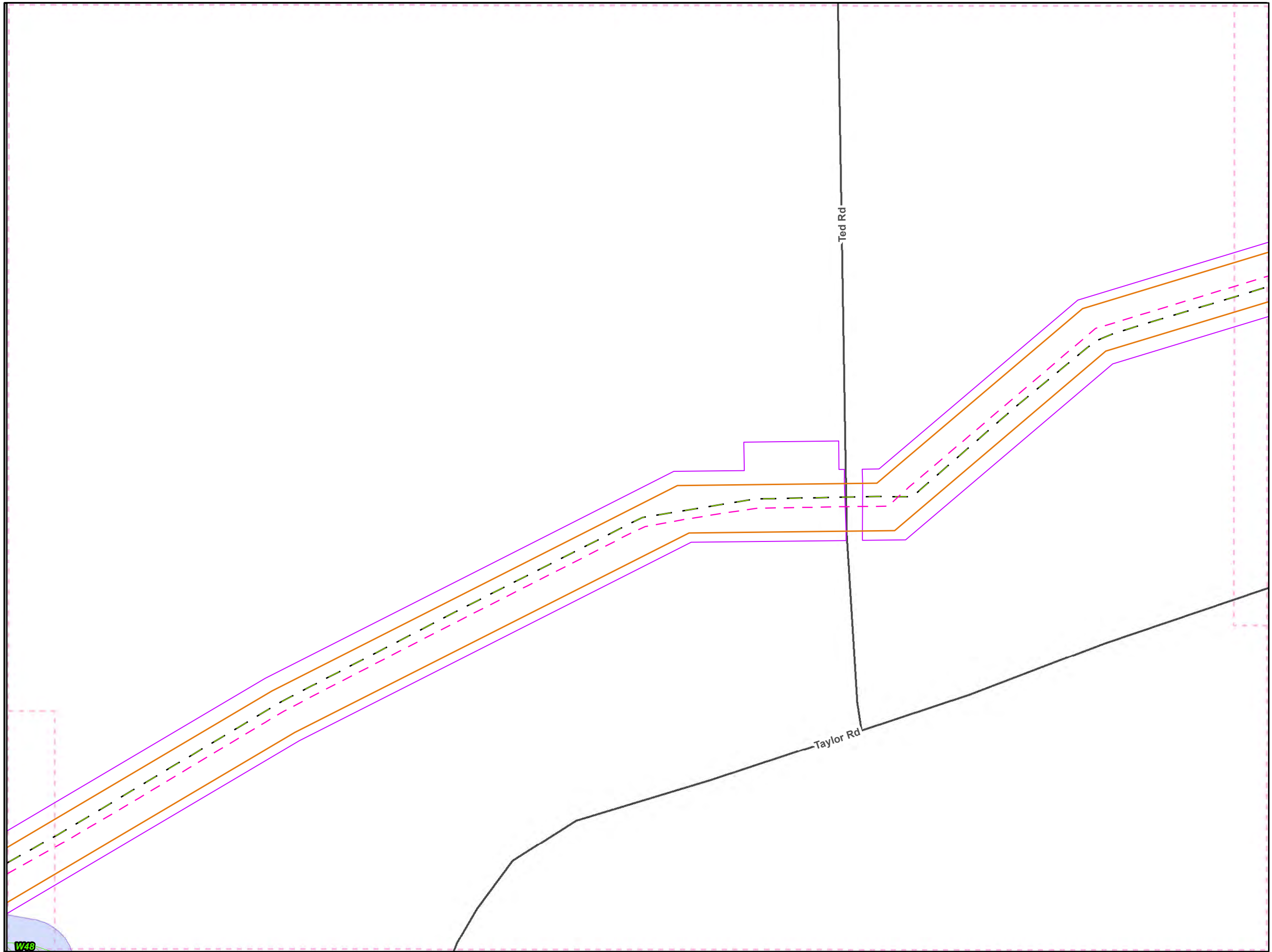


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
25 of 179**

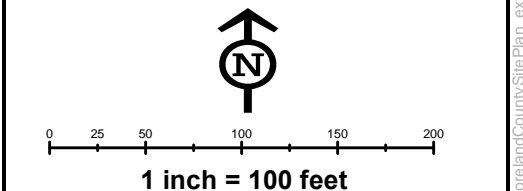
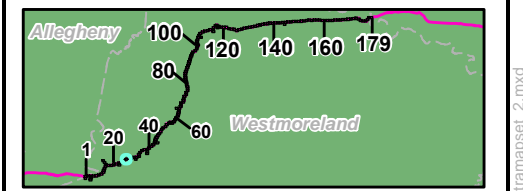
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
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  - ~ Ephemeral Stream
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  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
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  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary



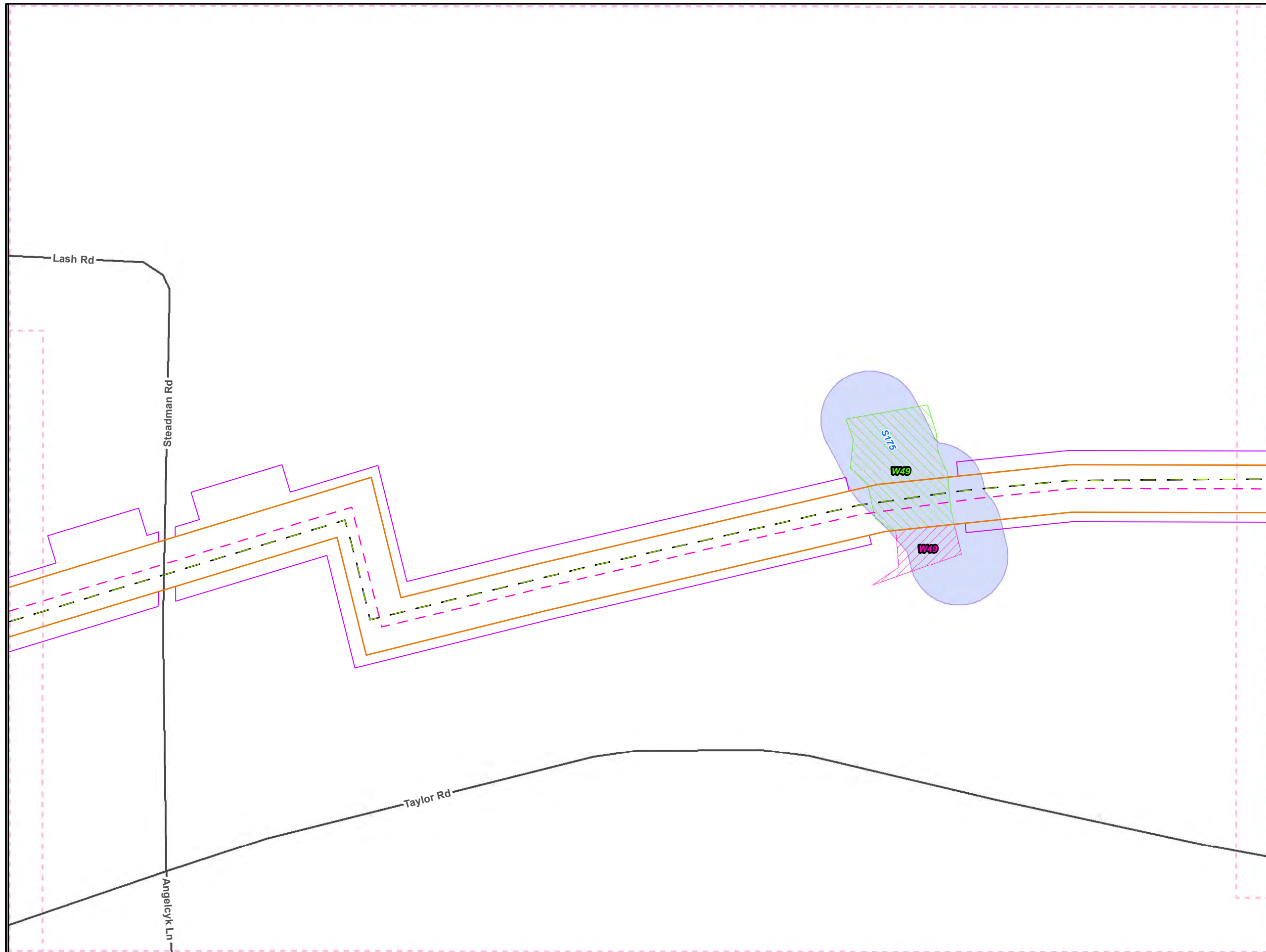
**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
 26 of 179

Prepared By: 	Date: 11/2016
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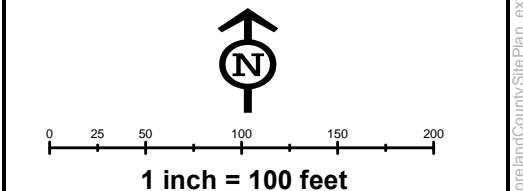
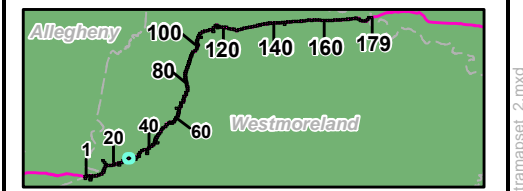
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
 Coordinate System: NAD 83 Stateplane, PA South, Feet

W48

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

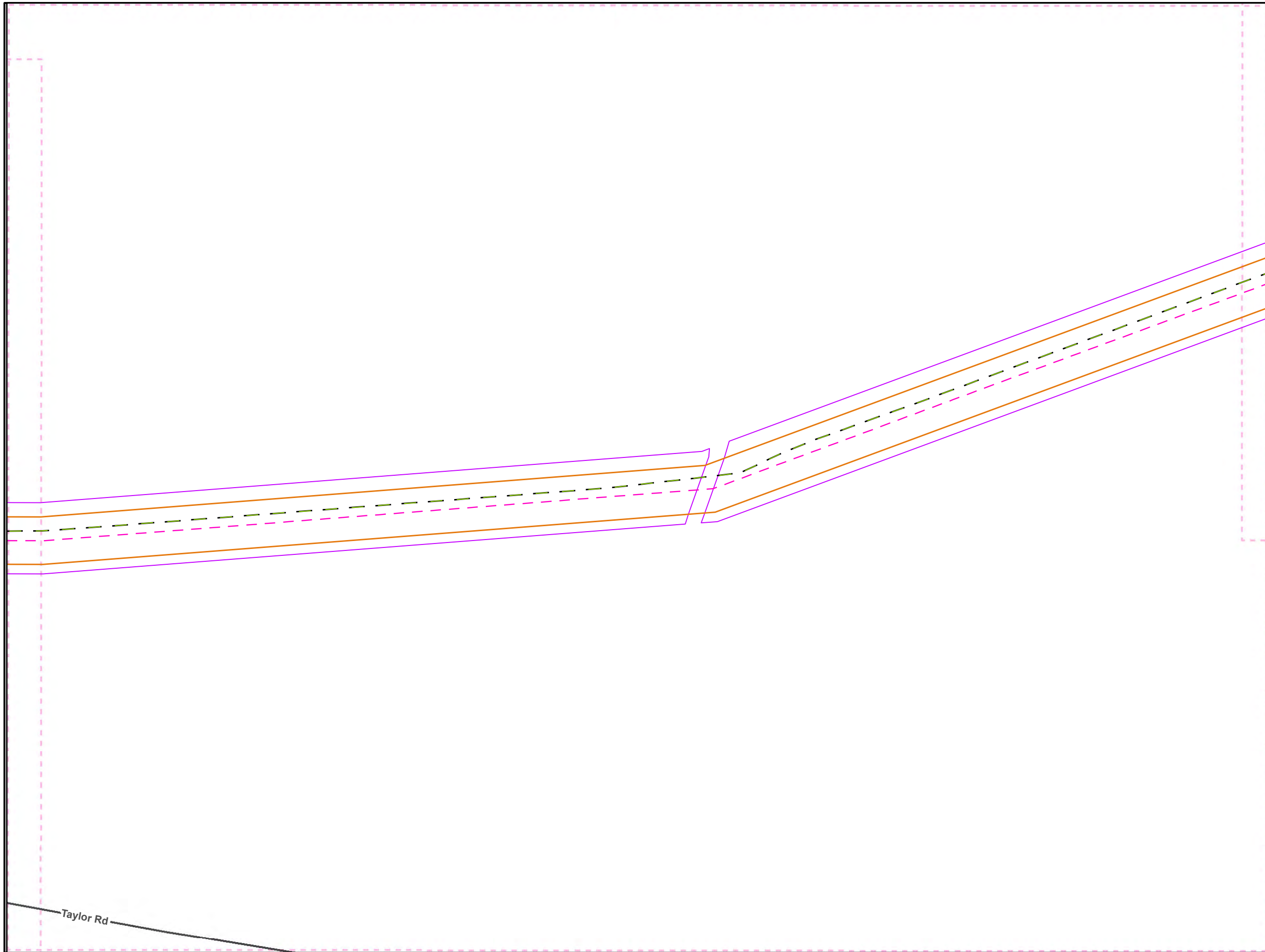


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
27 of 179**

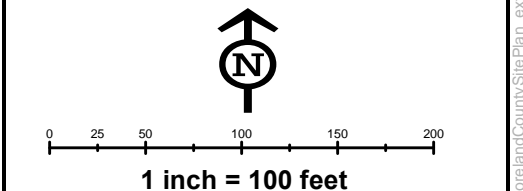
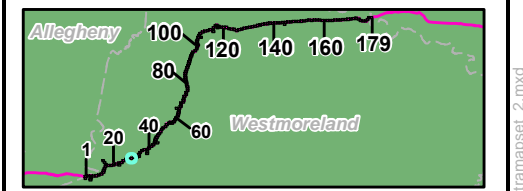
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

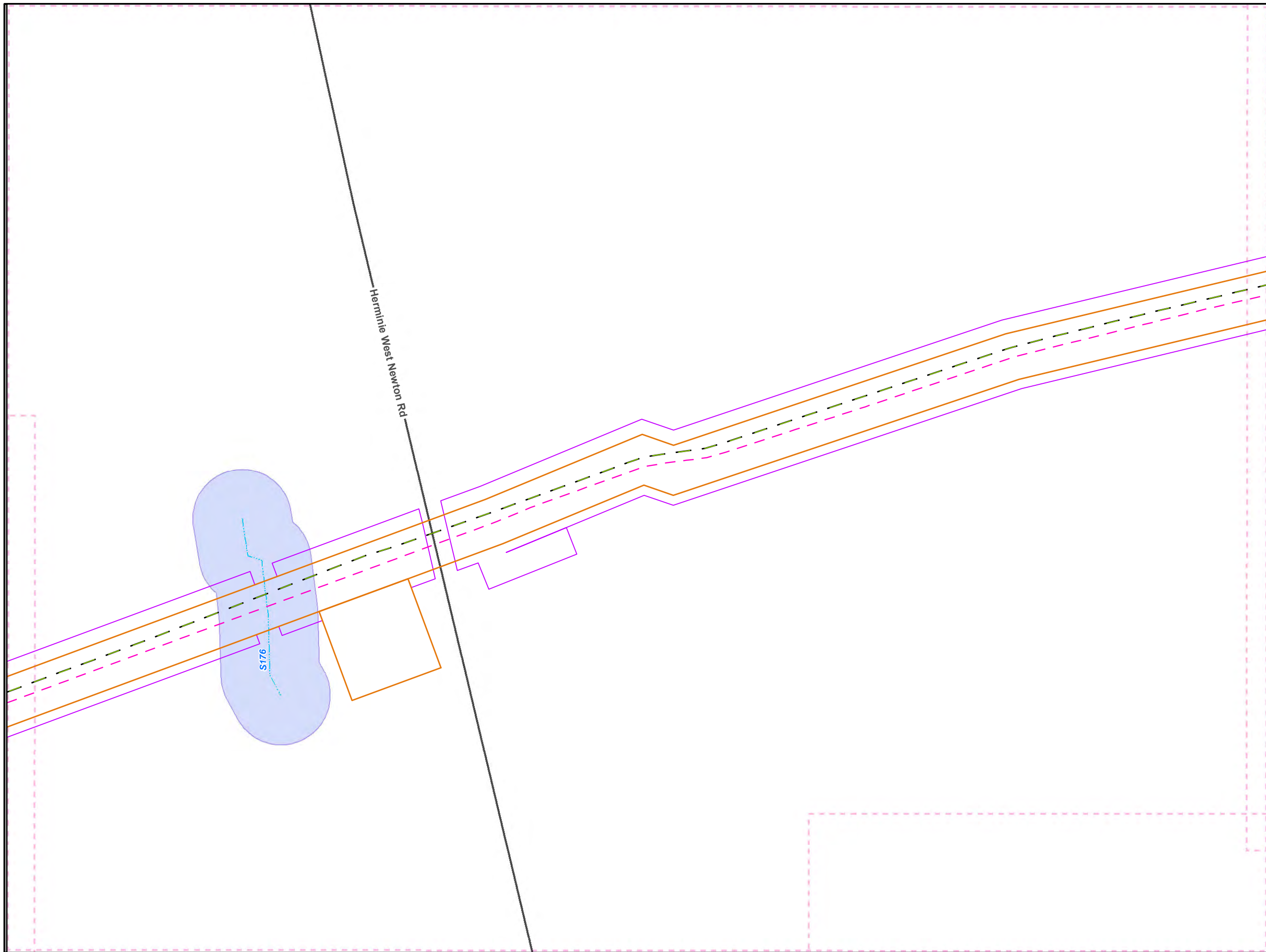


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
28 of 179**

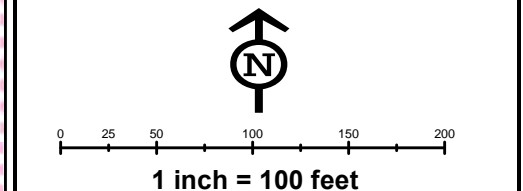
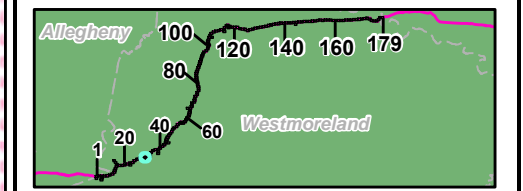
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

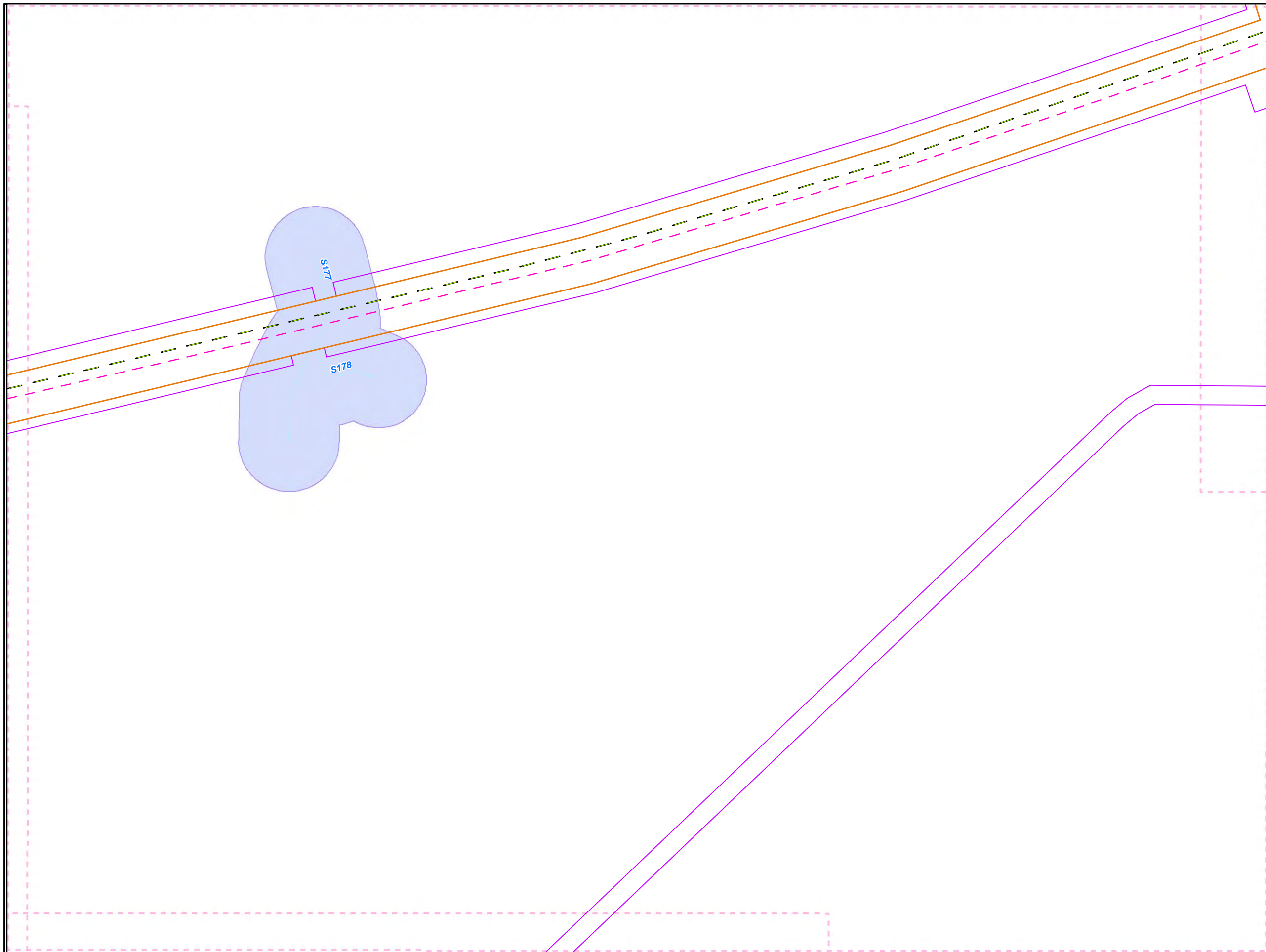


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
29 of 179**

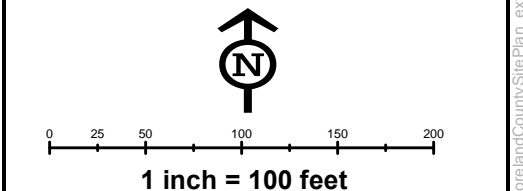
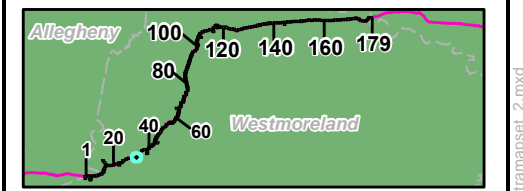
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

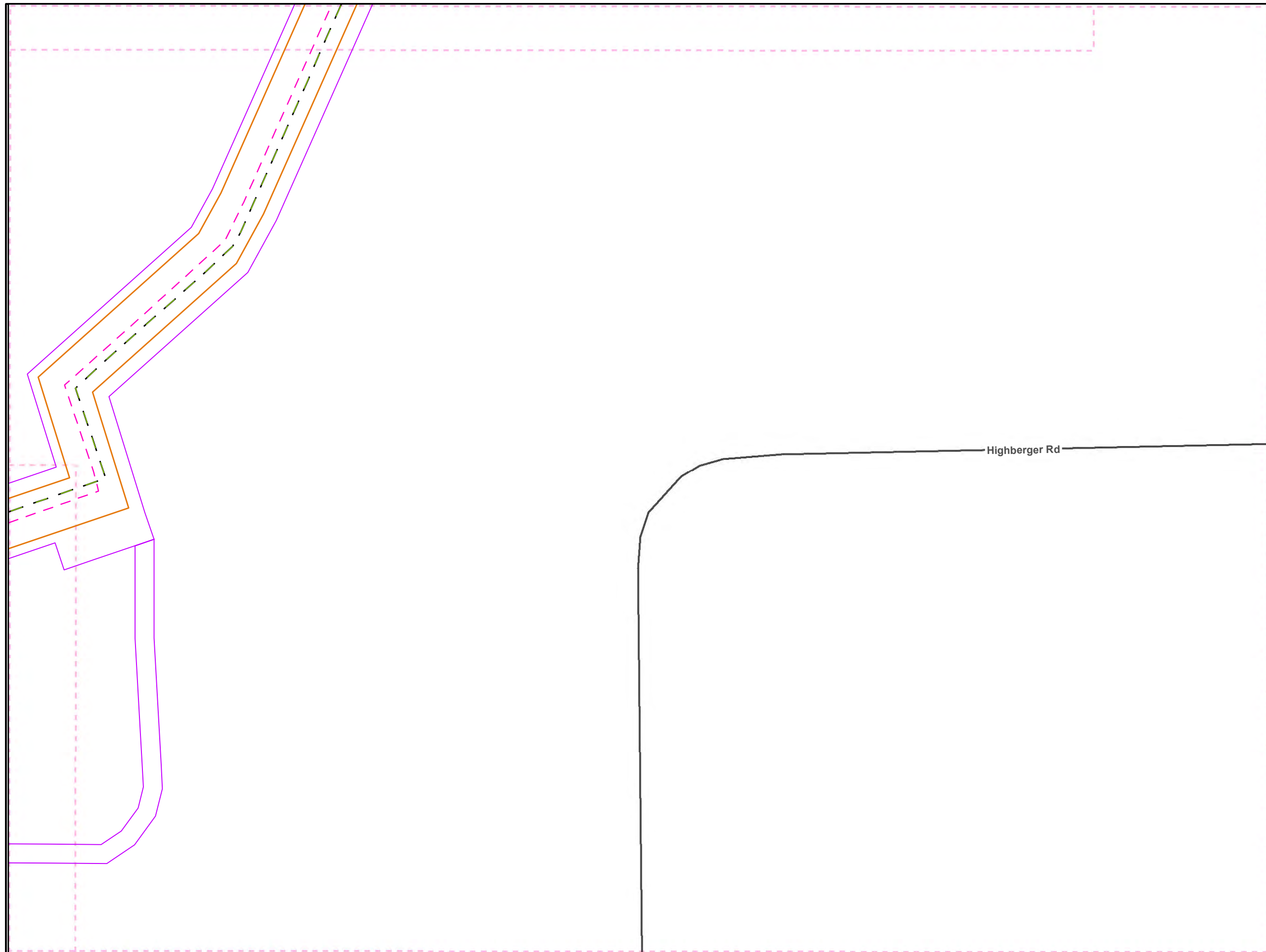


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
30 of 179**

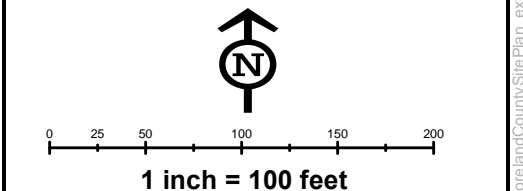
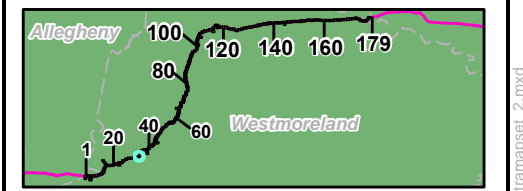
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ ~ ~ Ephemeral Stream
  - · - · - Intermittent Stream
  - ~ ~ ~ Perennial Stream
  - ⊗ Pond
  - ⊗ PEM Wetland
  - ⊗ PFO Wetland
  - ⊗ PSS Wetland
  - ⊗ Ch. 105 Floodways
  - ⊗ Waived Ch. 105 Floodways
  - ⊗ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

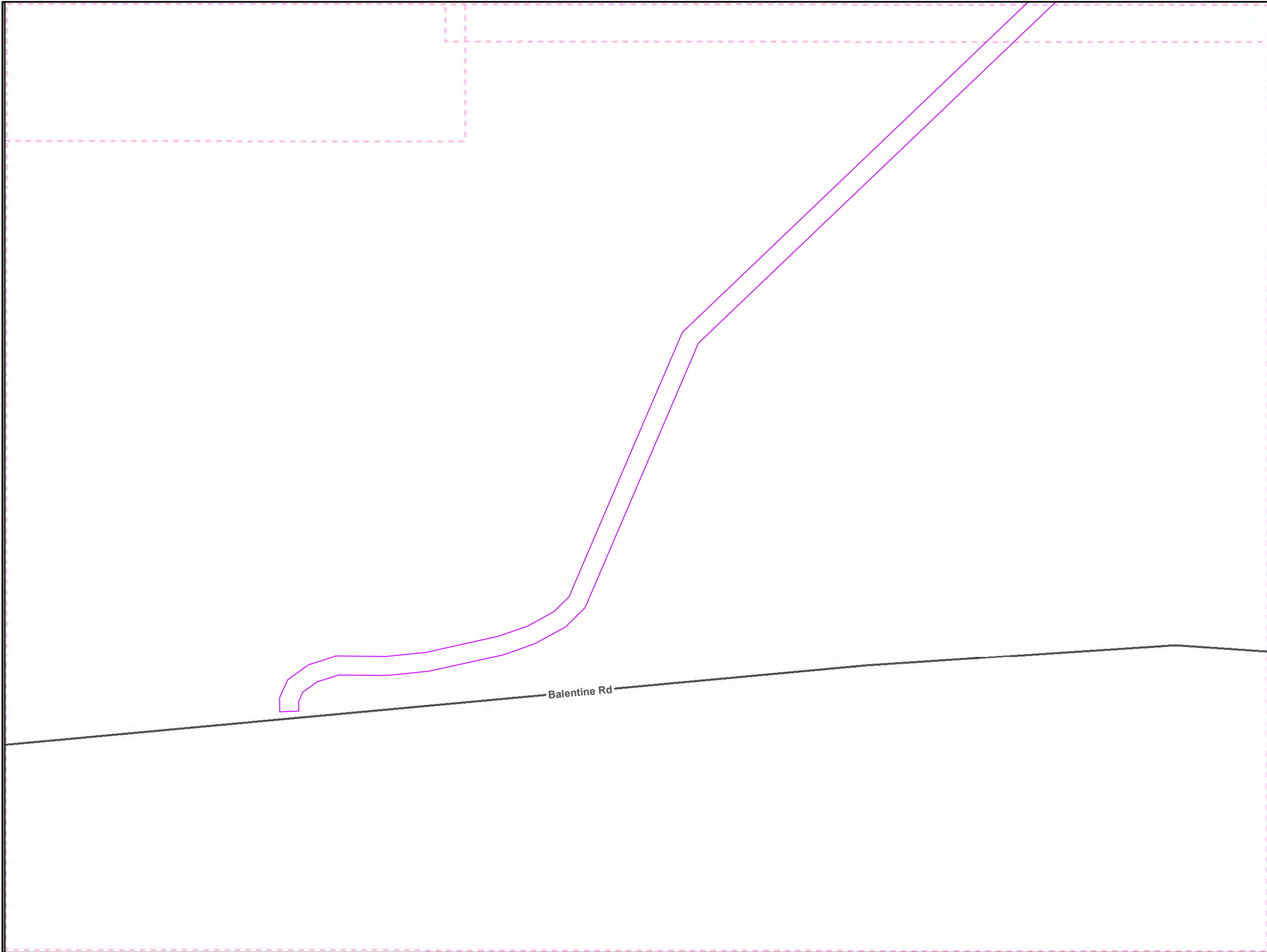


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
31 of 179**

<b>Prepared By:</b> <b>TETRA TECH</b>	<b>Date:</b> <b>11/2016</b>
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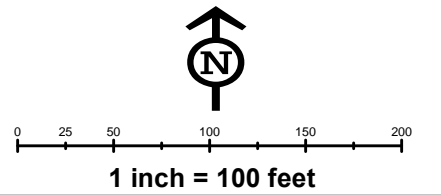
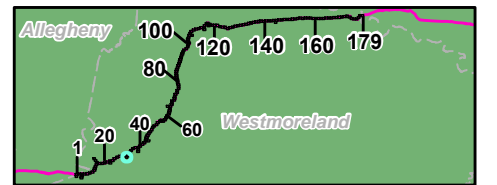
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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**Legend**

- PPP 1
- PPP 2
- PPP LOD
- / / 8" Centerline
- 8" Pipeline Maintenance Corridor
- ME1 12" Centerline
- ME1 12" Perm ROW
- Stations
- ~ Ephemeral Stream
- ~ Intermittent Stream
- ~ Perennial Stream
- ⊗ Pond
- ⊗ PEM Wetland
- ⊗ PFO Wetland
- ⊗ PSS Wetland
- ⊗ Ch. 105 Floodways
- ⊗ Waived Ch. 105 Floodways
- ⊗ Ch. 106 Floodplain Fringe
- Roads
- Sheet Boundary

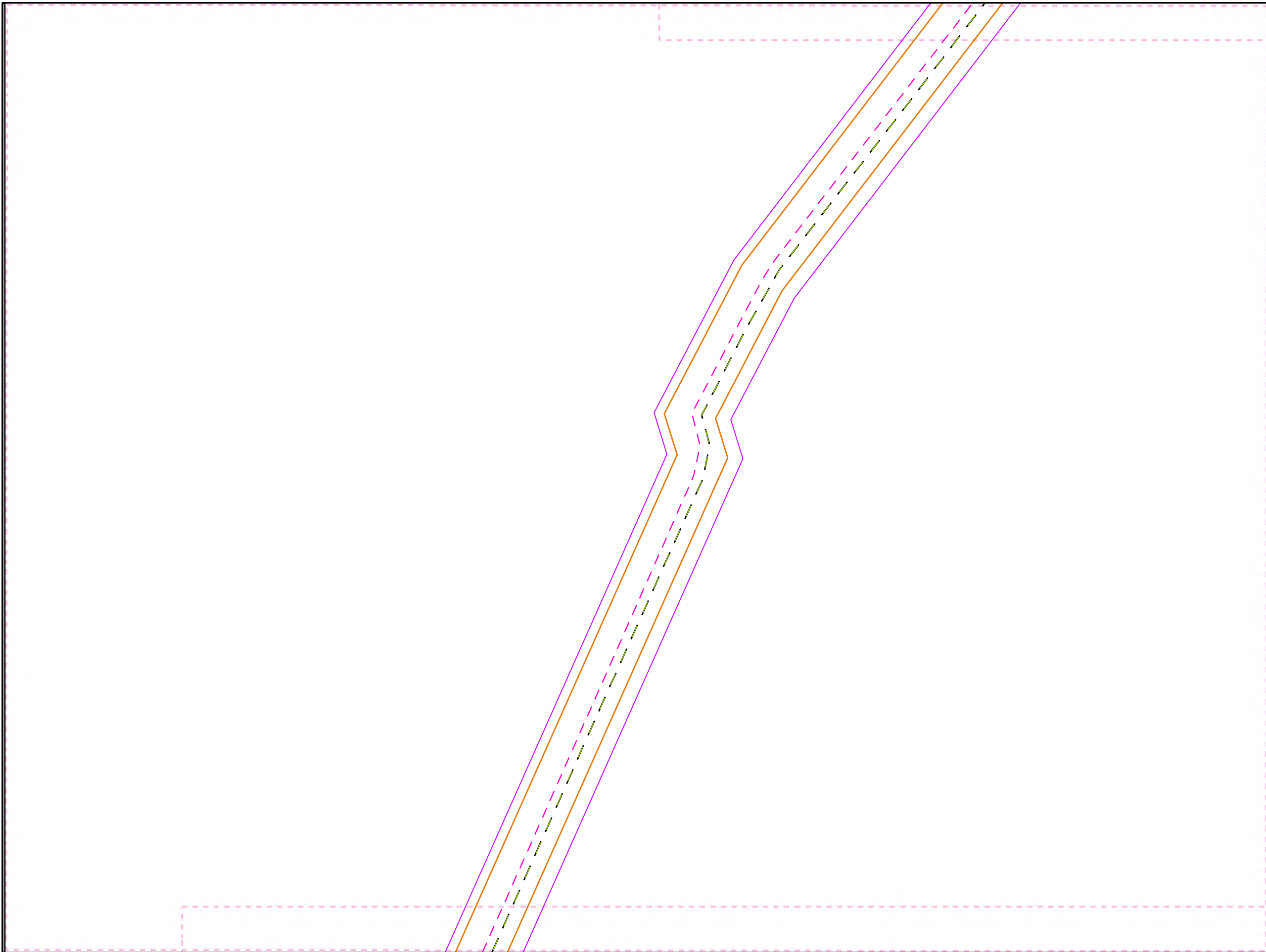


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
32 of 179**

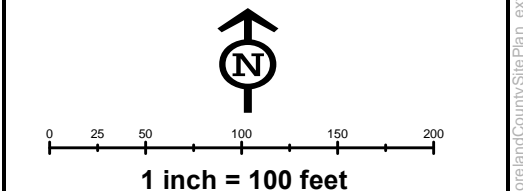
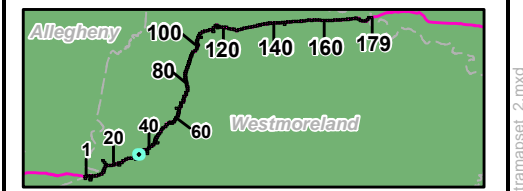
<b>Prepared By:</b> <b>TETRA TECH</b>	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

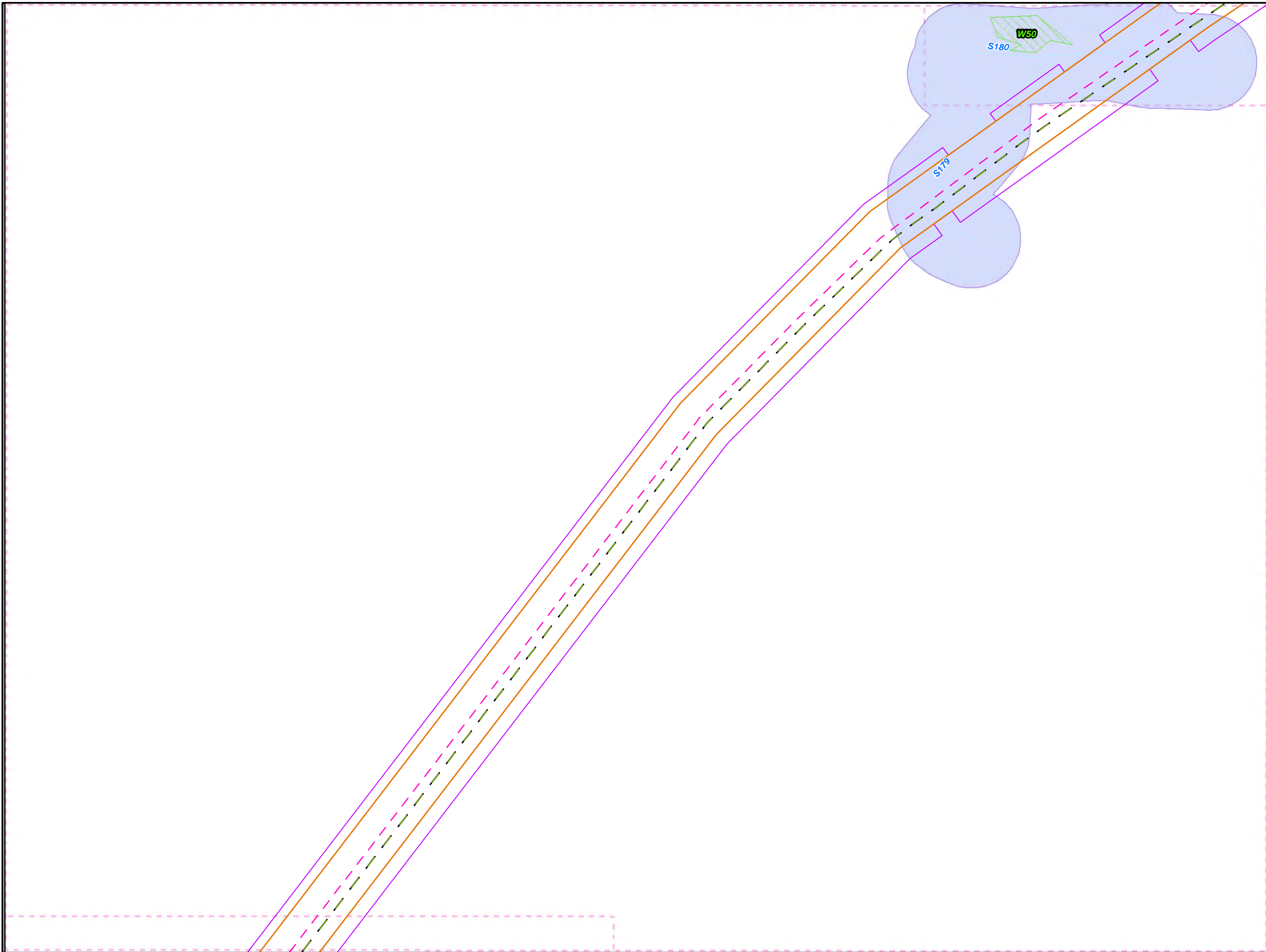


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
33 of 179**

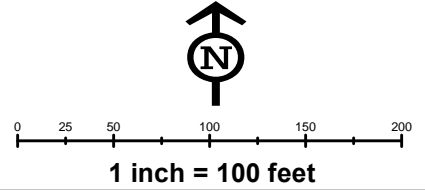
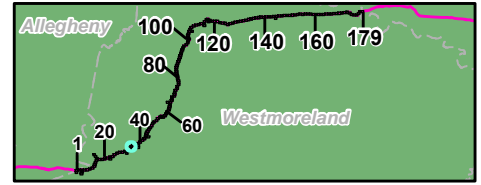
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - ⊡ Pond
  - ⊡ PEM Wetland
  - ⊡ PFO Wetland
  - ⊡ PSS Wetland
  - ⊡ Ch. 105 Floodways
  - ⊡ Waived Ch. 105 Floodways
  - ⊡ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

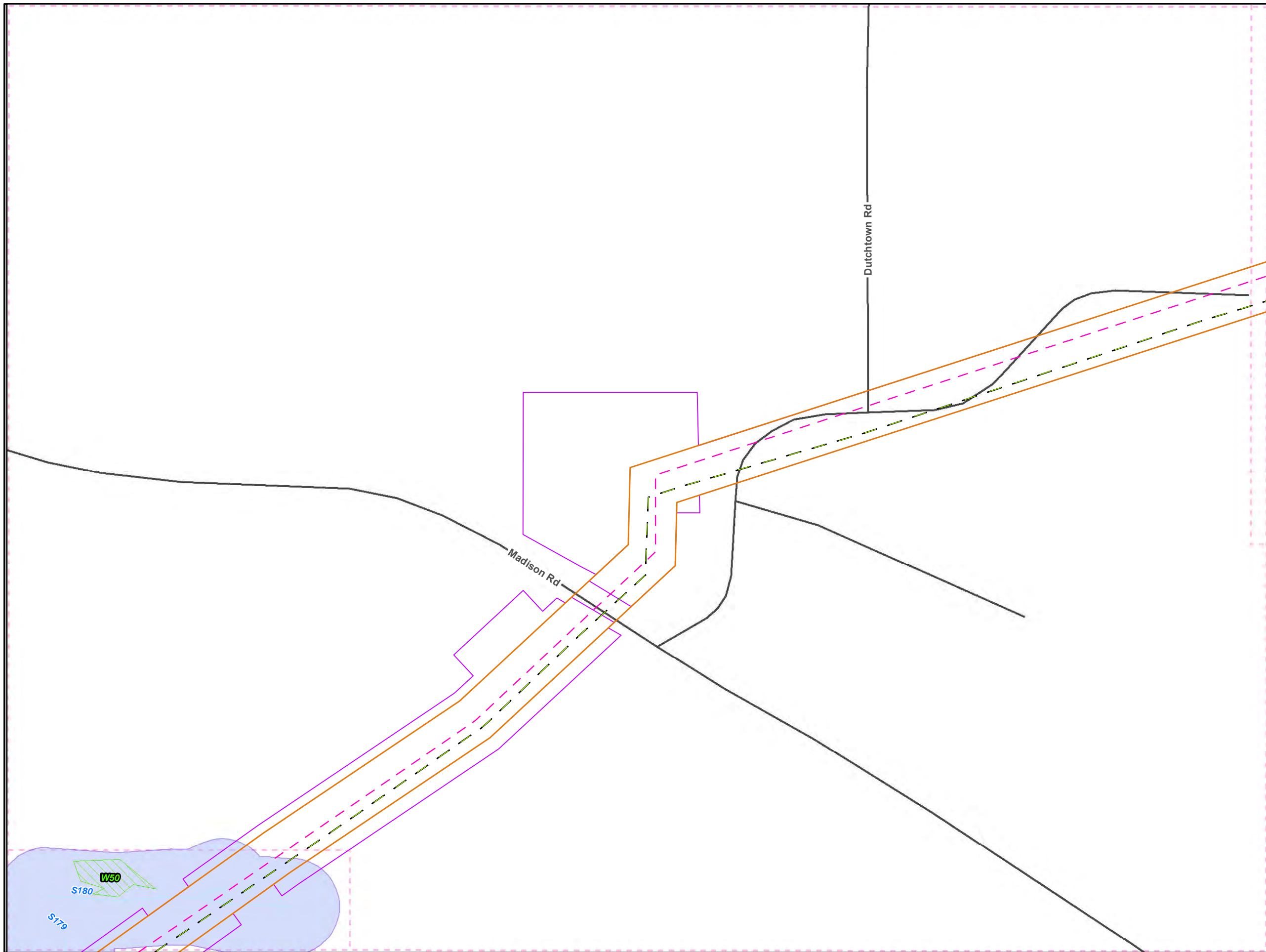


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
34 of 179**

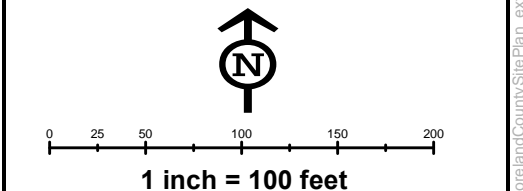
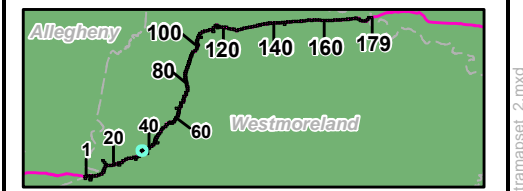
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
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  - ⊕ Pond
  - ⊕ PEM Wetland
  - ⊕ PFO Wetland
  - ⊕ PSS Wetland
  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

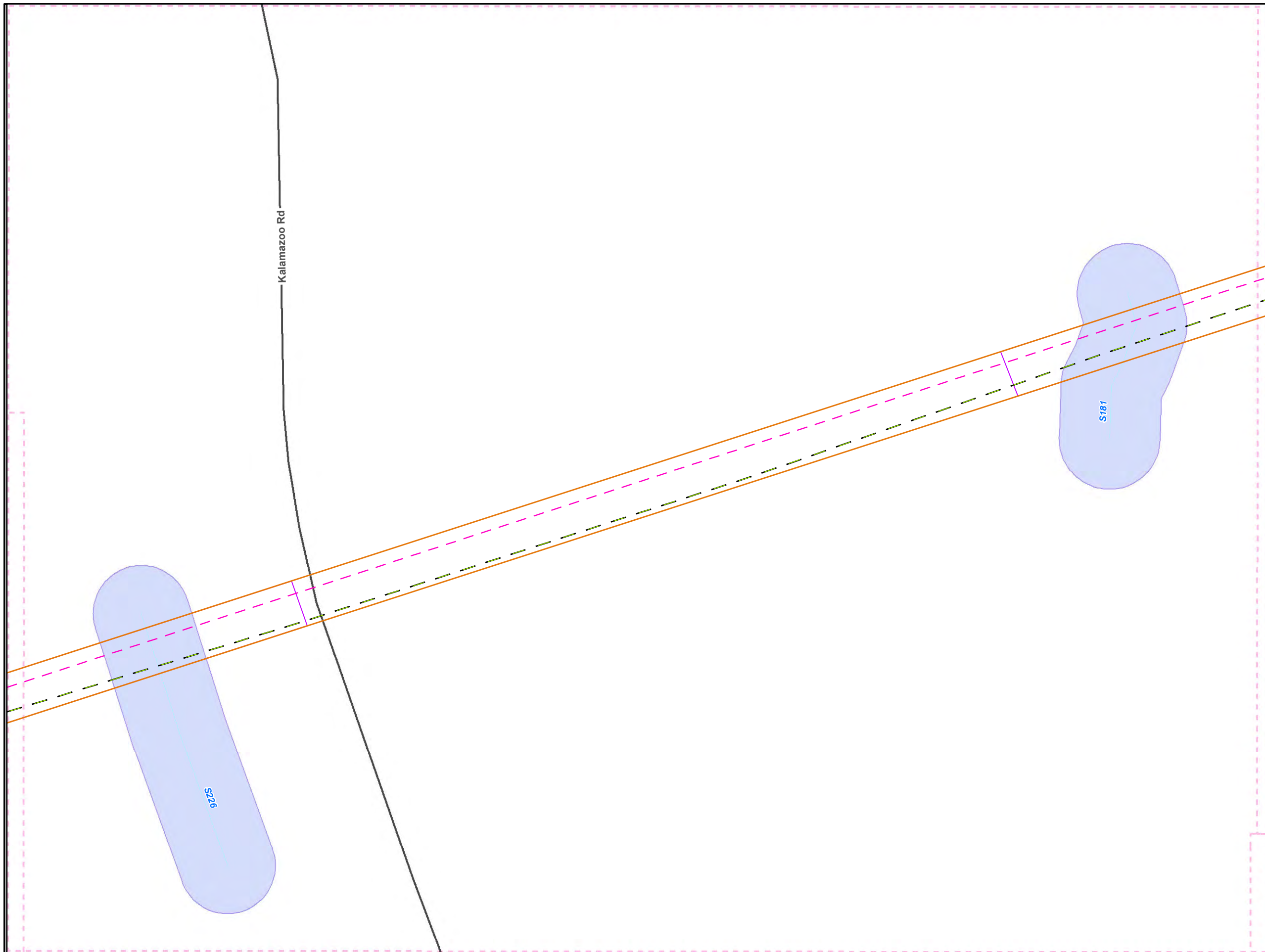


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
 35 of 179

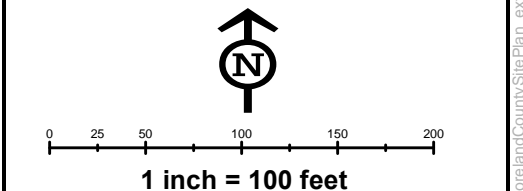
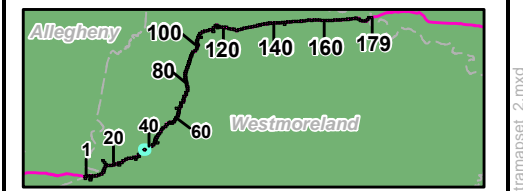
Prepared By: 	Date: 11/2016
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
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  - ~ Ephemeral Stream
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  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

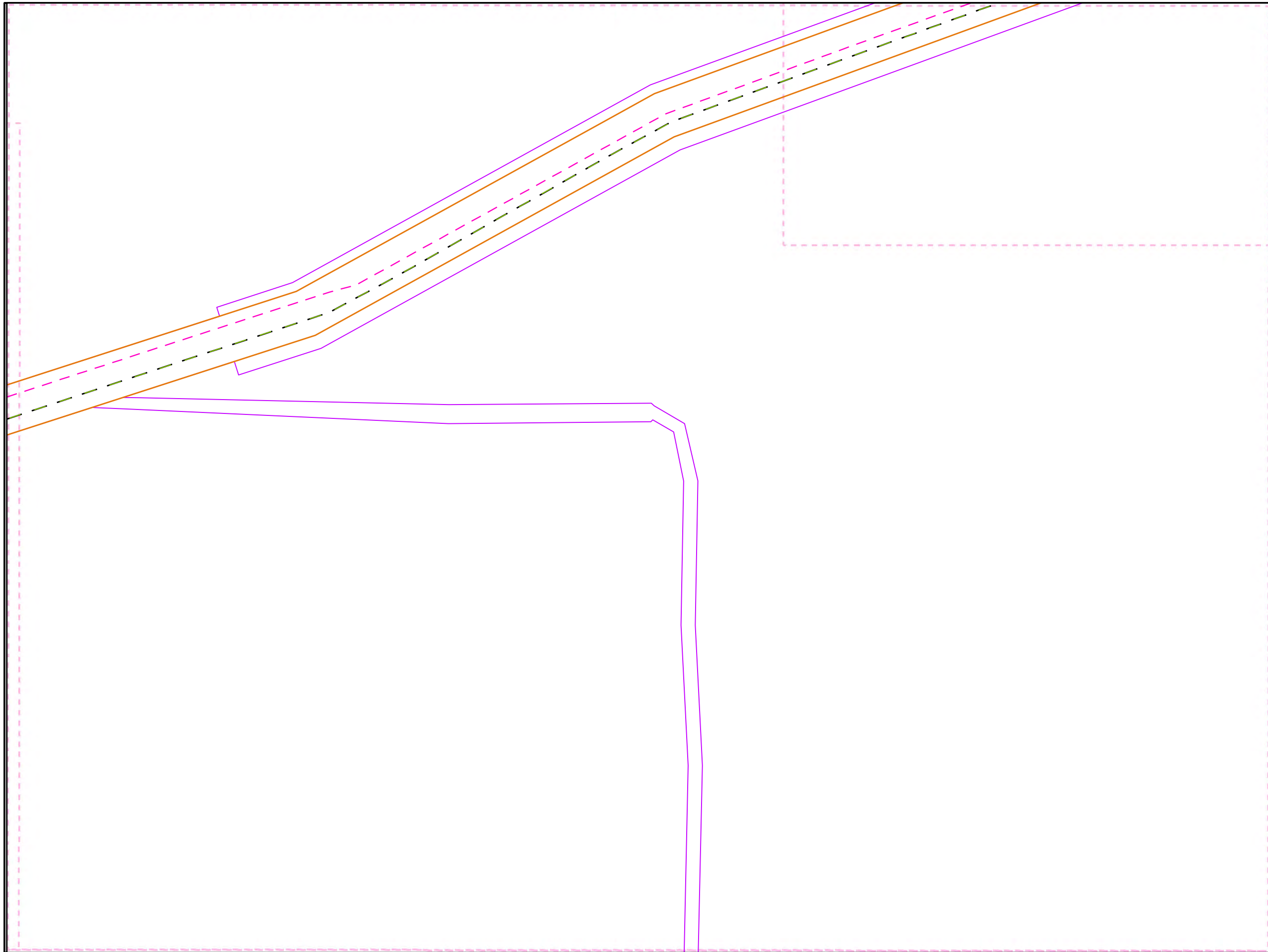


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
36 of 179**

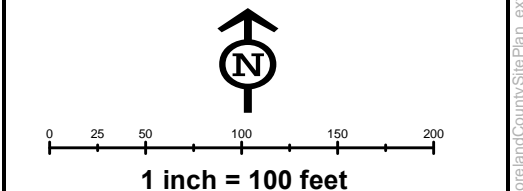
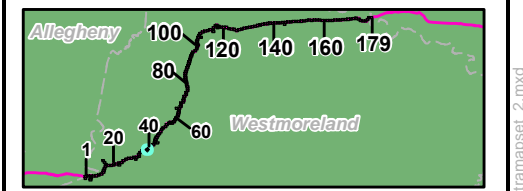
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
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  - ▭ ME1 12" Perm ROW
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  - ~ Ephemeral Stream
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  - Pond
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  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary























**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
37 of 179**

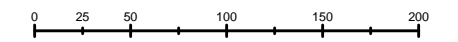
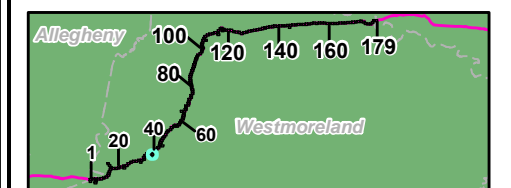
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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**Legend**

-  PPP 1
-  PPP 2
-  PPP LOD
-  8" Centerline
-  8" Pipeline Maintenance Corridor
-  ME1 12" Centerline
-  ME1 12" Perm ROW
-  Stations
-  Ephemeral Stream
-  Intermittent Stream
-  Perennial Stream
-  Pond
-  PEM Wetland
-  PFO Wetland
-  PSS Wetland
-  Ch. 105 Floodways
-  Waived Ch. 105 Floodways
-  Ch. 106 Floodplain Fringe
-  Roads
-  Sheet Boundary



1 inch = 100 feet

**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
38 of 179**

**Prepared By:**



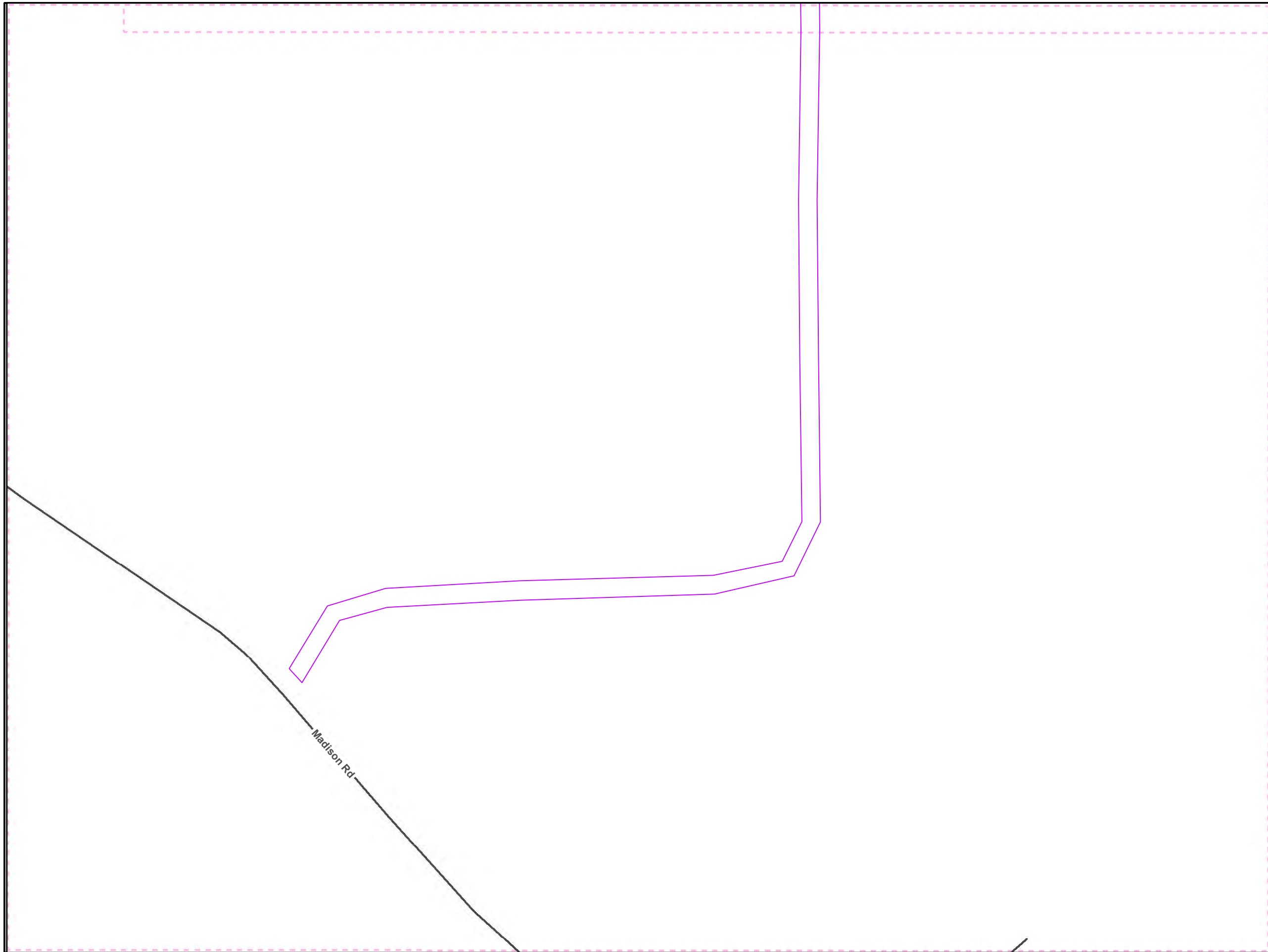
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**11/2016**

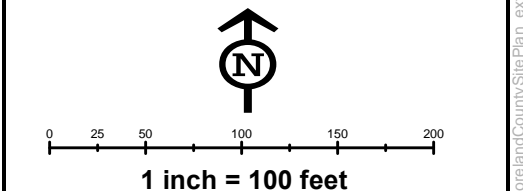
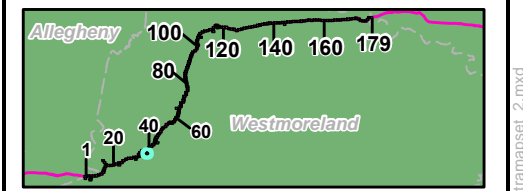
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Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
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  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

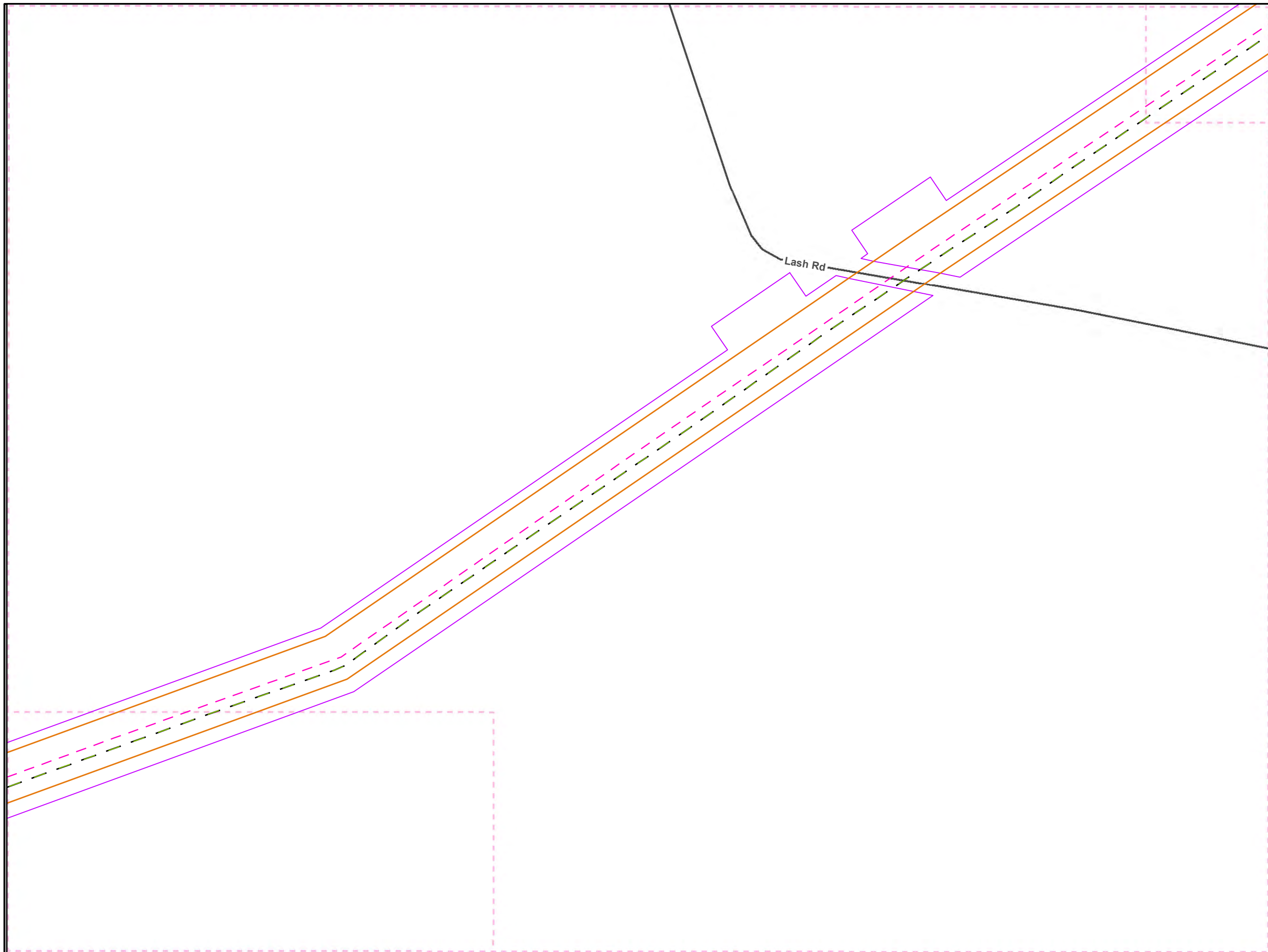


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
39 of 179**

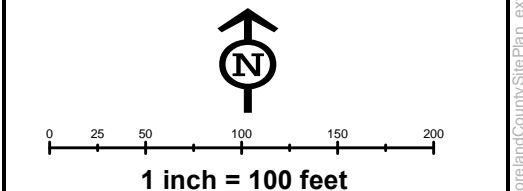
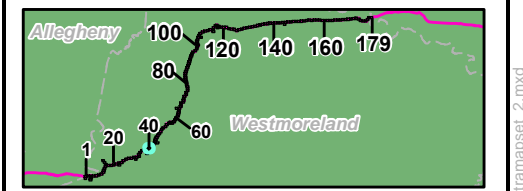
<b>Prepared By:</b> TETRA TECH	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

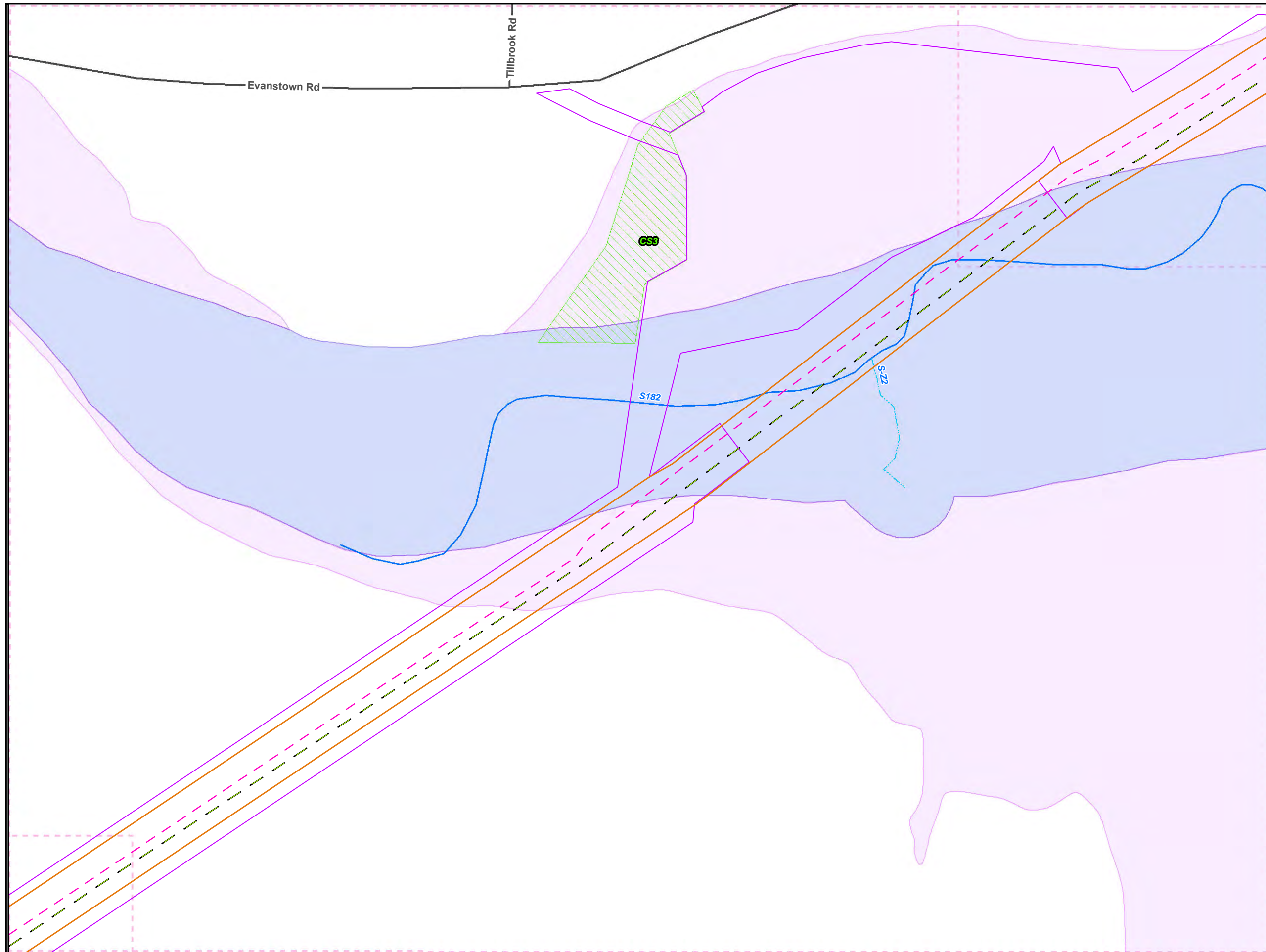


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
40 of 179**

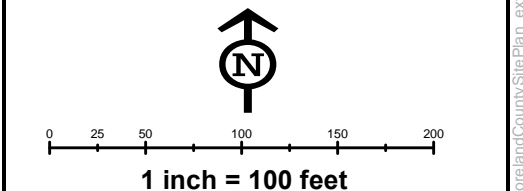
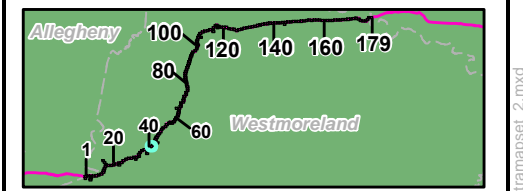
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

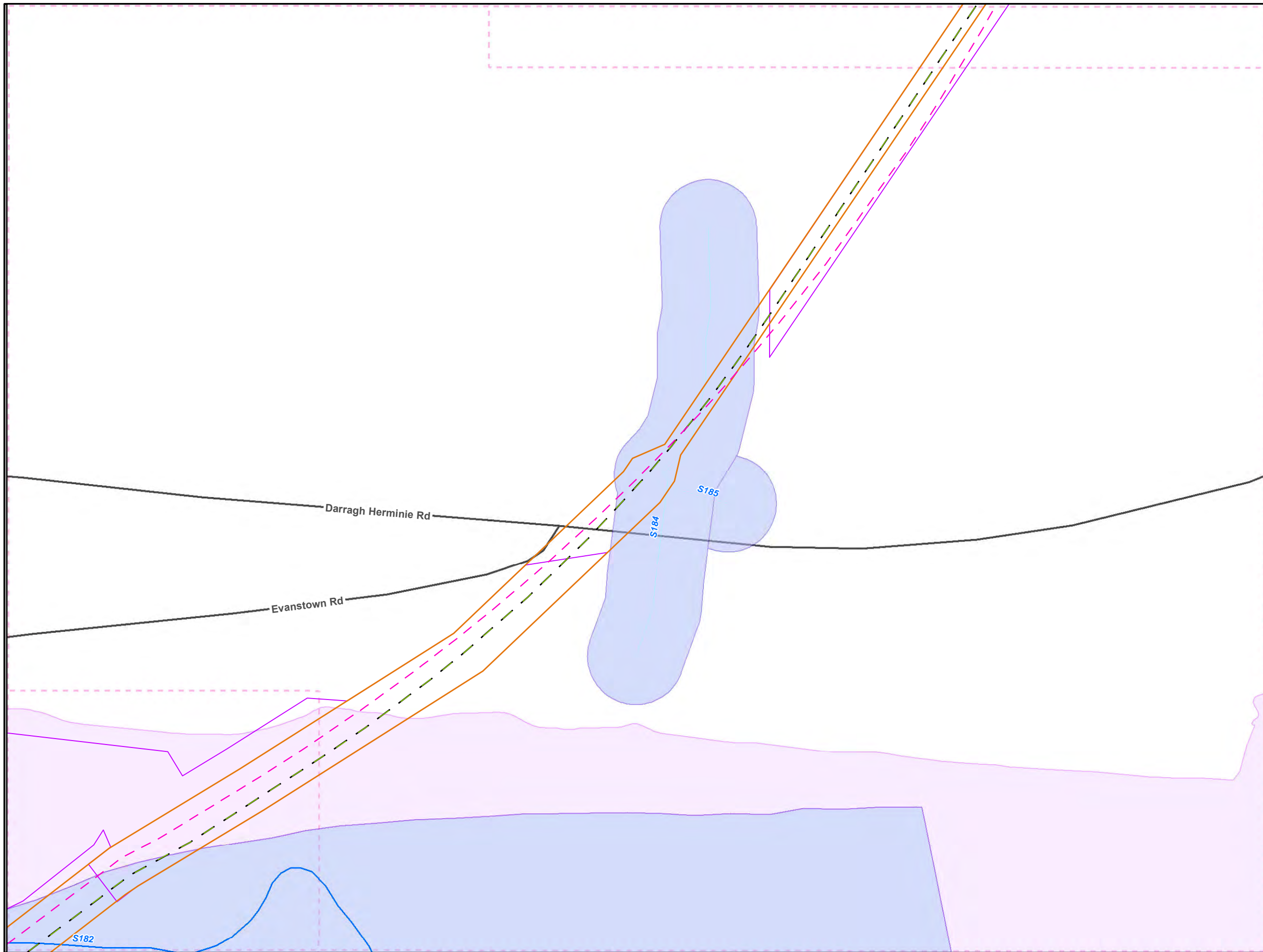


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
41 of 179**

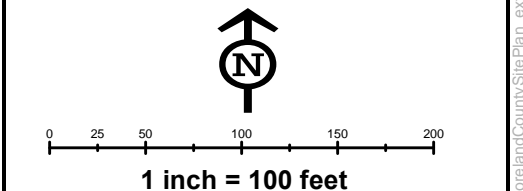
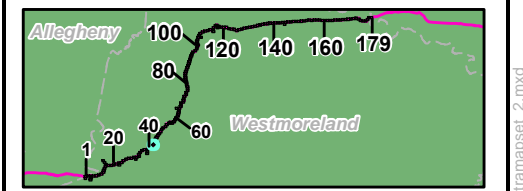
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
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  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - ⊡ Pond
  - ⊡ PEM Wetland
  - ⊡ PFO Wetland
  - ⊡ PSS Wetland
  - ⊡ Ch. 105 Floodways
  - ⊡ Waived Ch. 105 Floodways
  - ⊡ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

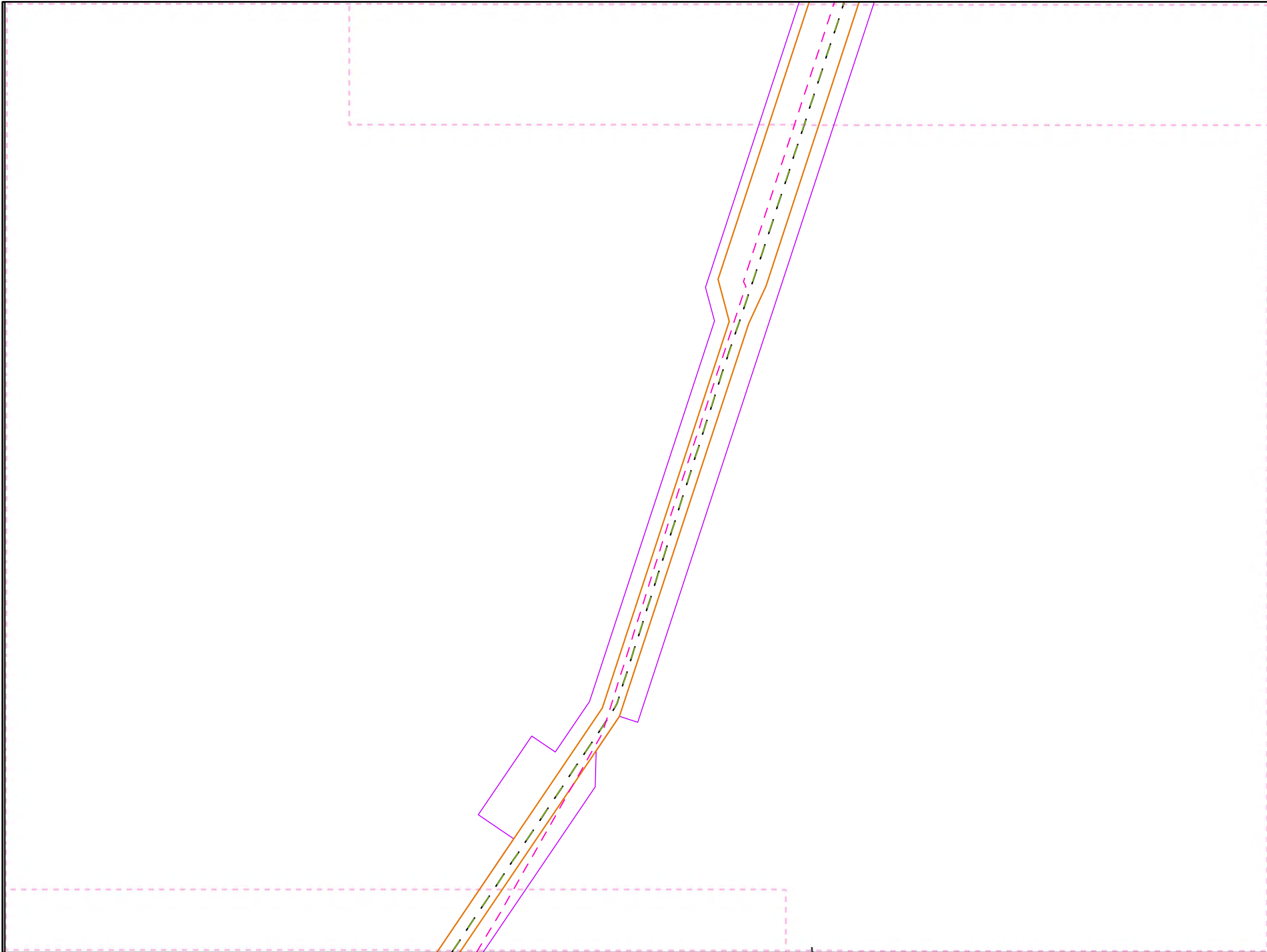


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
42 of 179**

<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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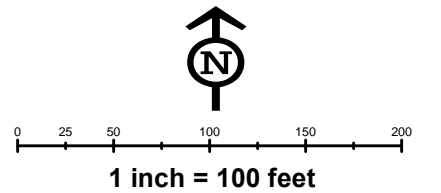
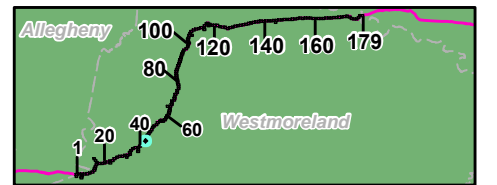
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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**Legend**

- PPP 1
- PPP 2
- PPP LOD
- - - 8" Centerline
- 8" Pipeline Maintenance Corridor
- - - ME1 12" Centerline
- ME1 12" Perm ROW
- Stations
- ~ ~ ~ Ephemeral Stream
- · - · - Intermittent Stream
- ~ ~ ~ Perennial Stream
- ⊗ Pond
- ⊗ PEM Wetland
- ⊗ PFO Wetland
- ⊗ PSS Wetland
- ⊗ Ch. 105 Floodways
- ⊗ Waived Ch. 105 Floodways
- ⊗ Ch. 106 Floodplain Fringe
- Roads
- Sheet Boundary

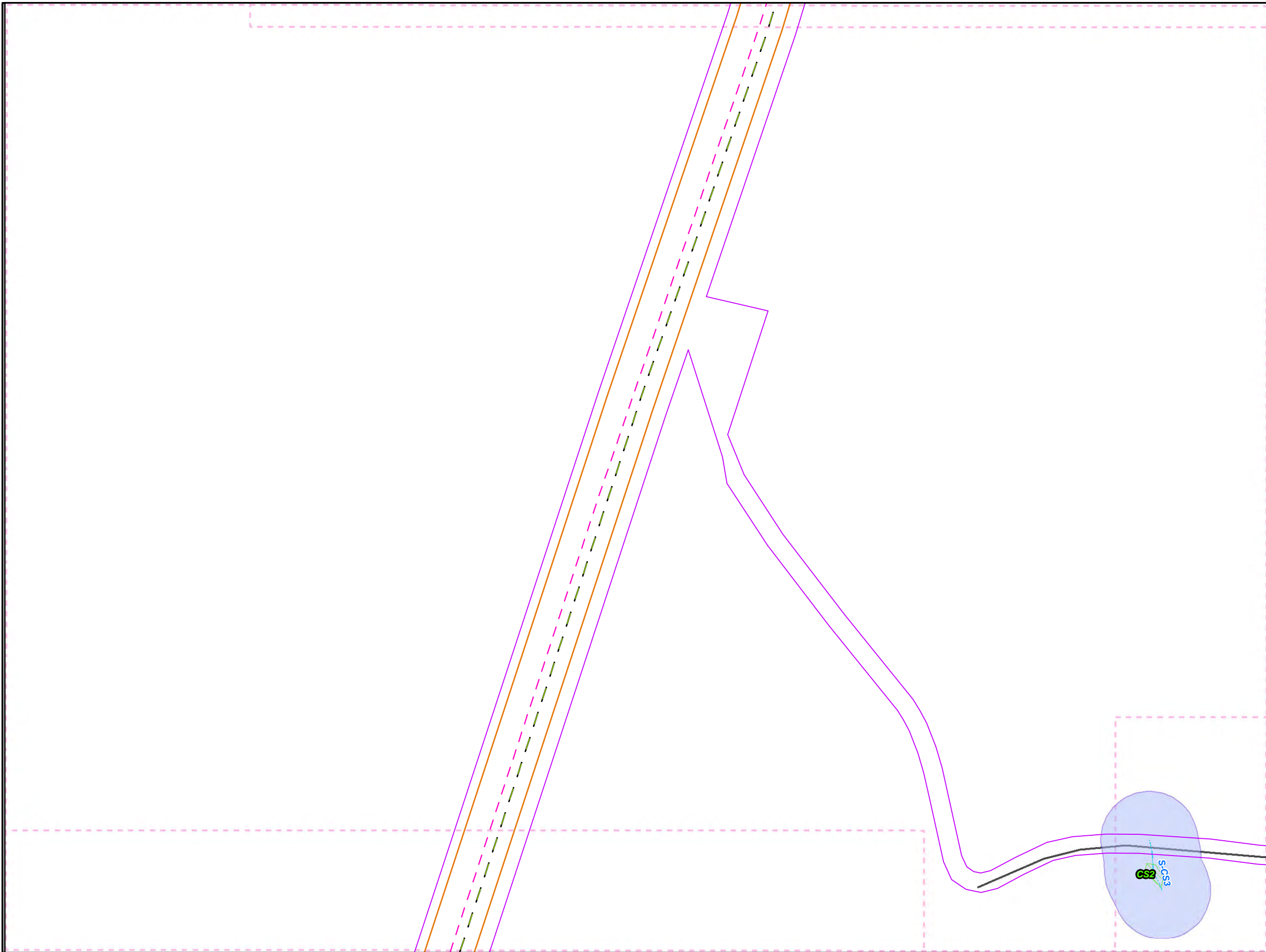


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
43 of 179**

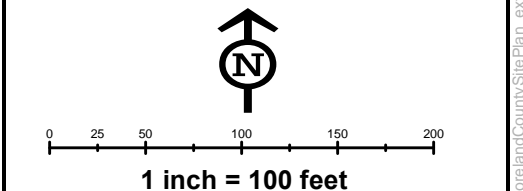
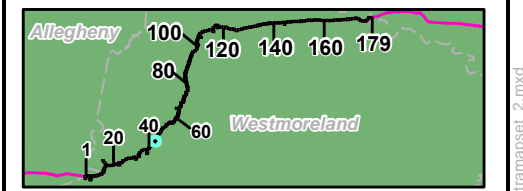
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

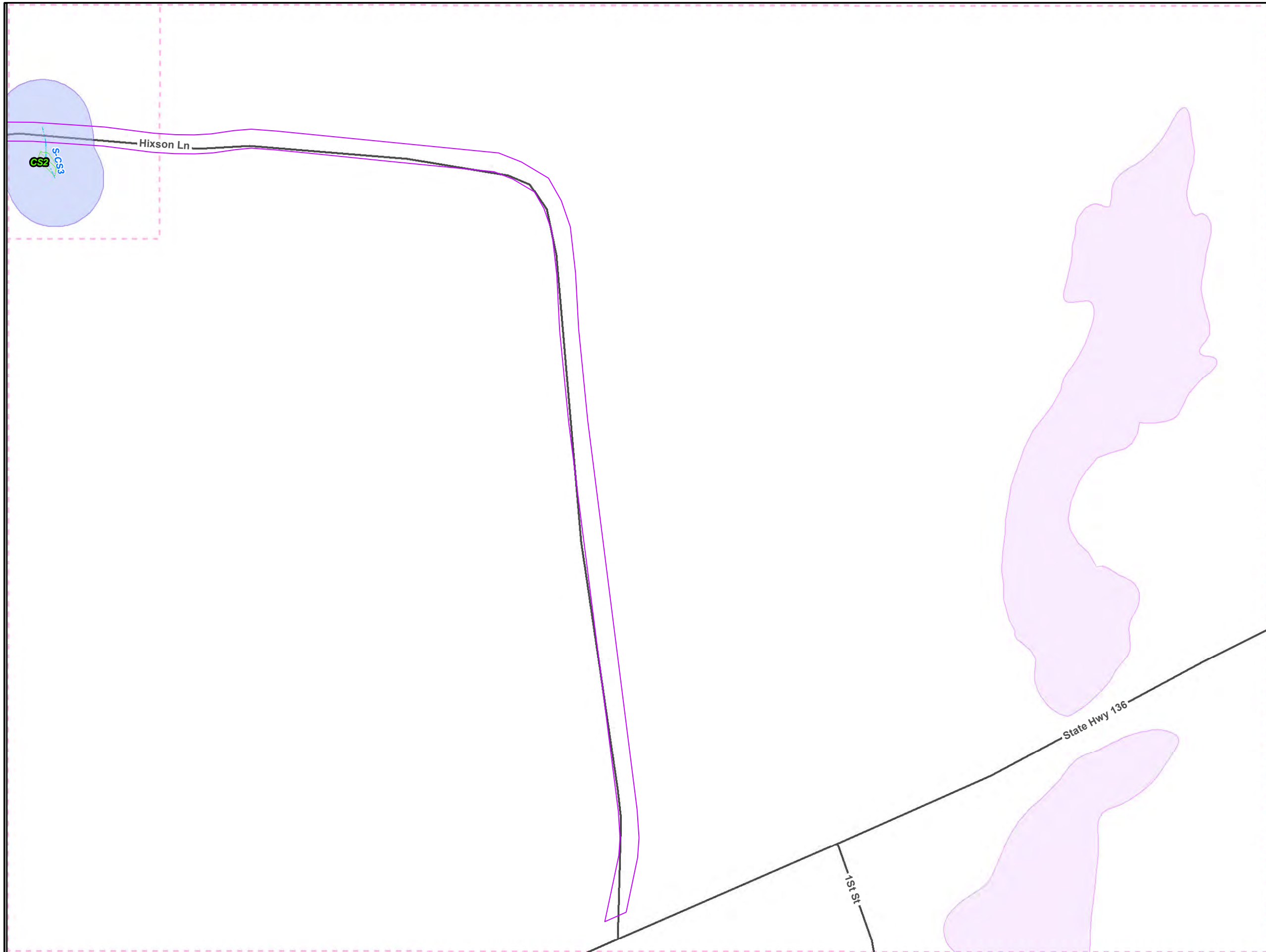


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
44 of 179**

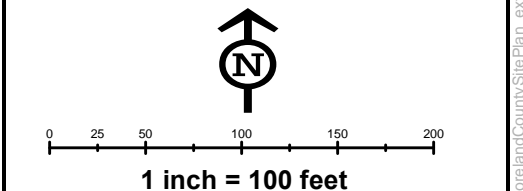
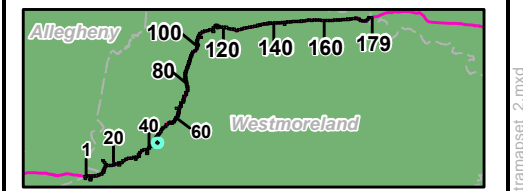
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - ▨ Ch. 105 Floodways
  - ▨ Waived Ch. 105 Floodways
  - ▨ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

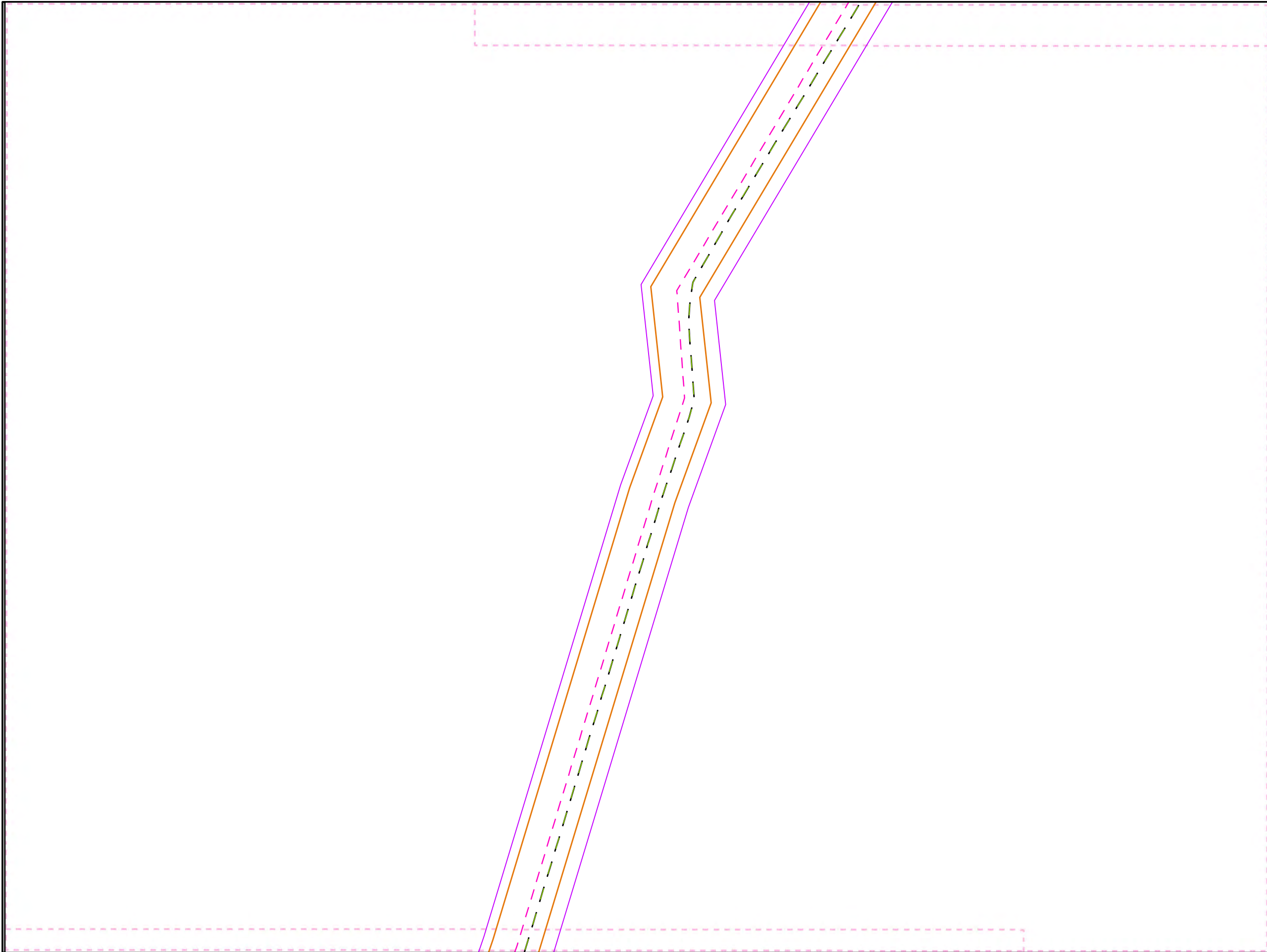


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
45 of 179

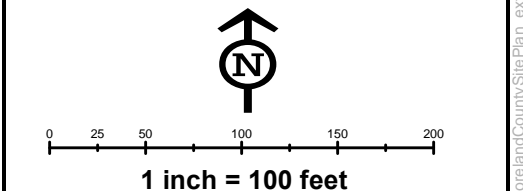
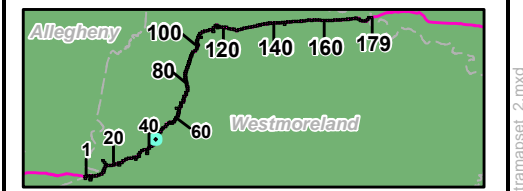
<b>Prepared By:</b> TETRA TECH	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
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  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

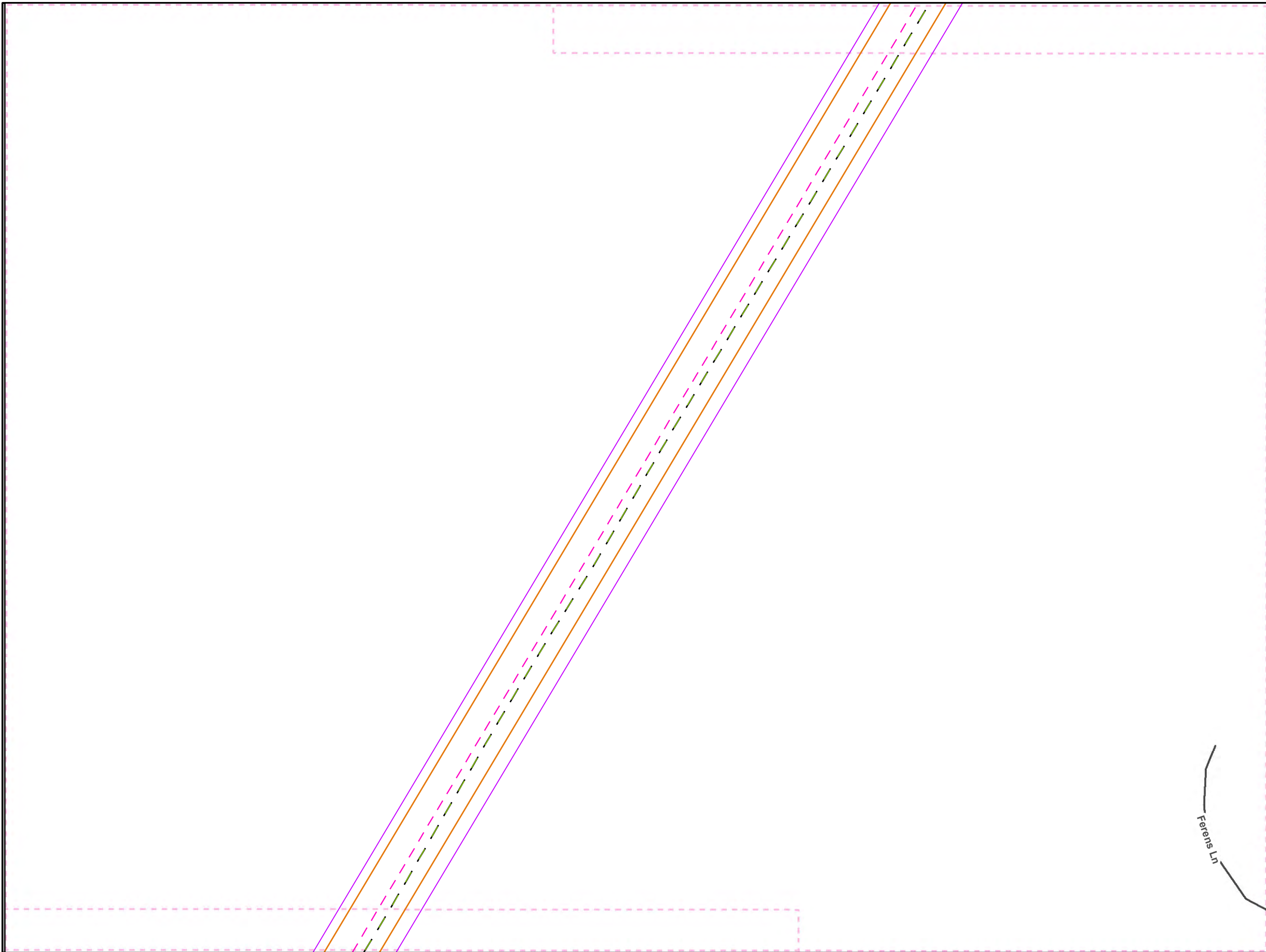


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
46 of 179**

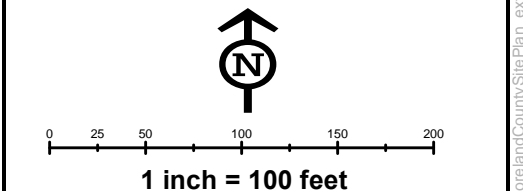
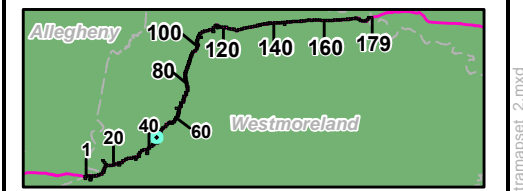
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
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  - ME1 12" Centerline
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  - ⊕ PSS Wetland
  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary



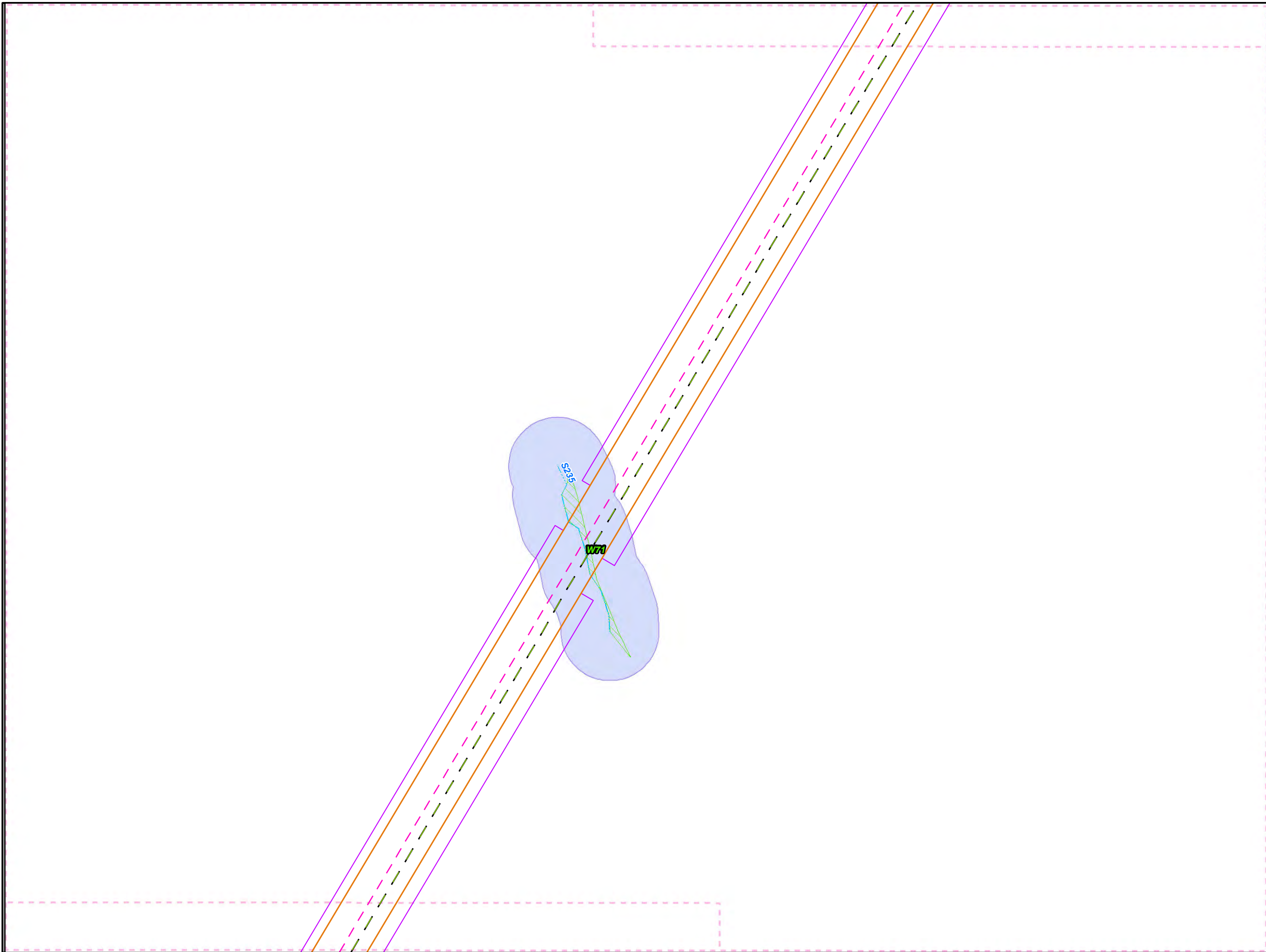
**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
47 of 179**

<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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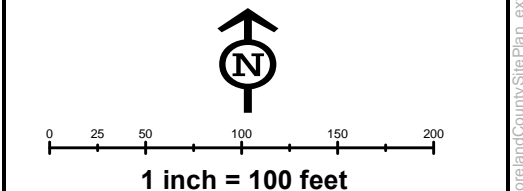
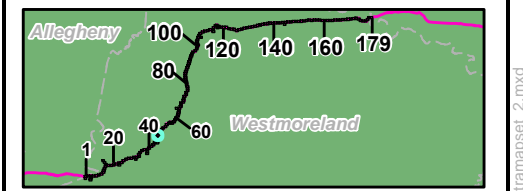
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- Legend**
- PPP 1
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  - PPP LOD
  - 8" Centerline
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  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

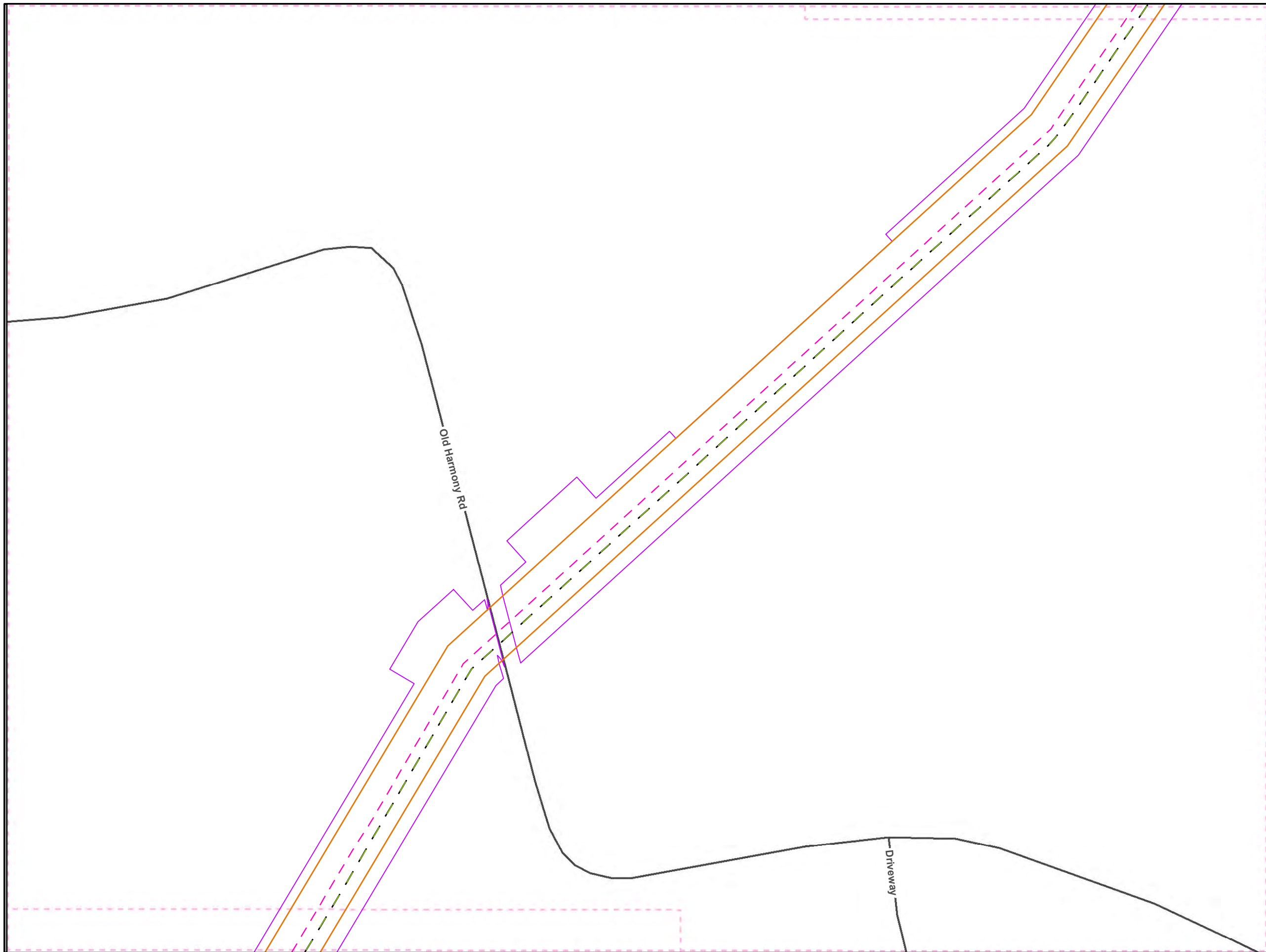


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
48 of 179**

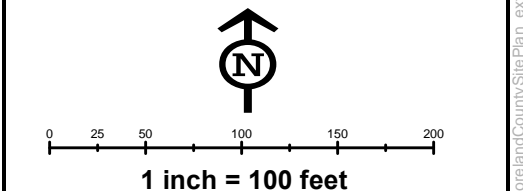
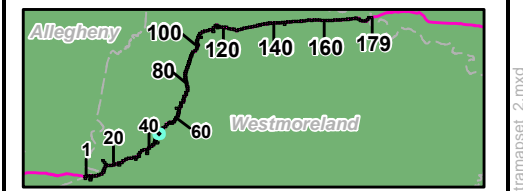
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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- Legend**
- PPP 1
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  - - - 8" Centerline
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  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

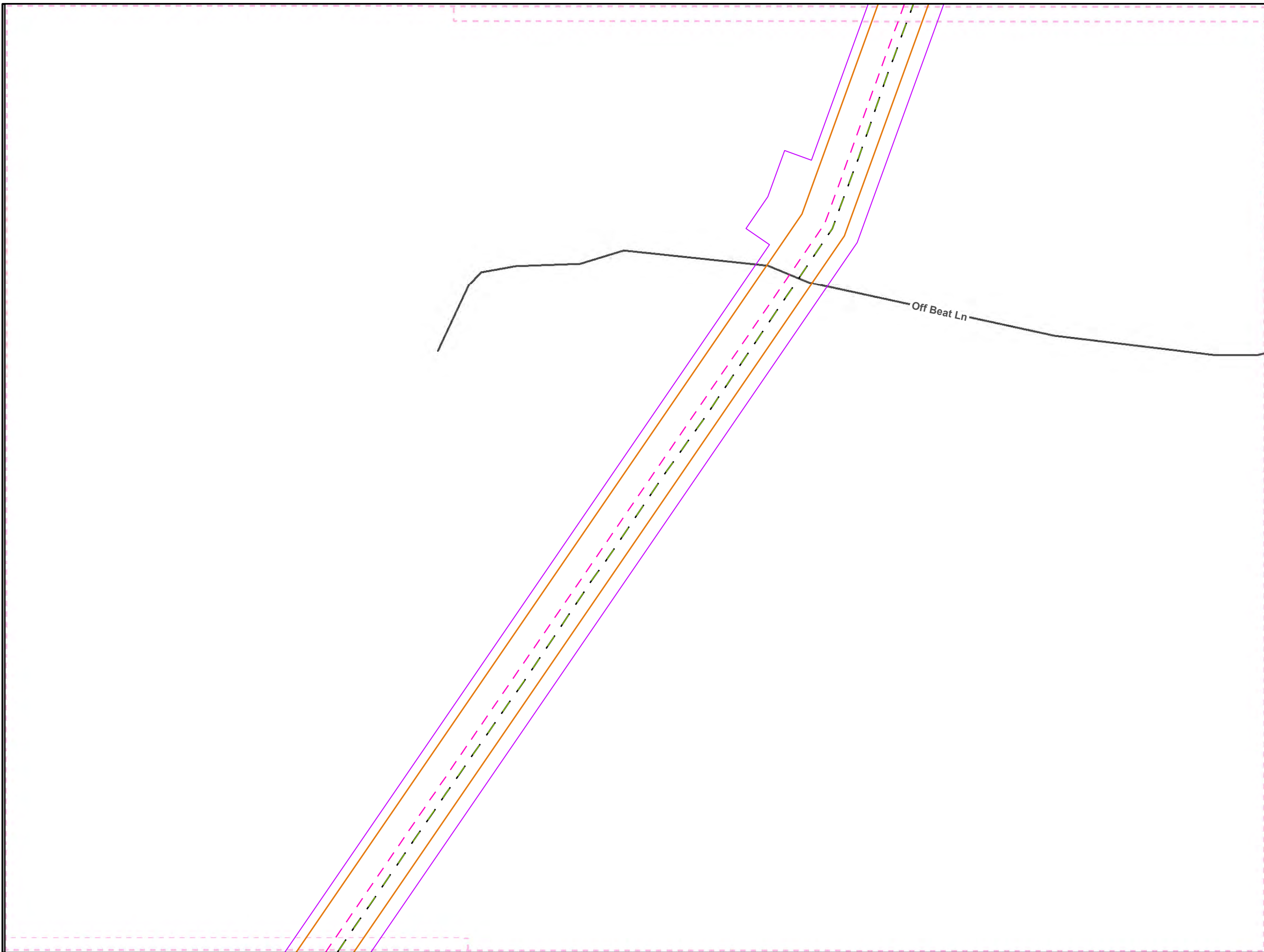


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
49 of 179**

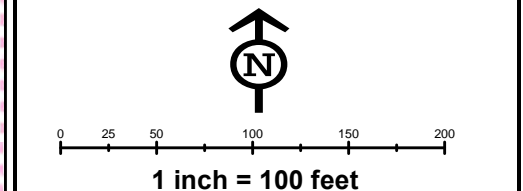
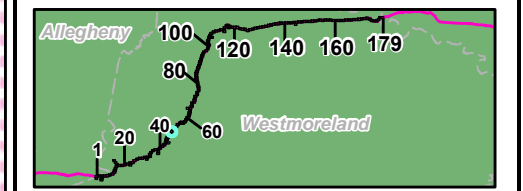
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- PPP 1
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  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

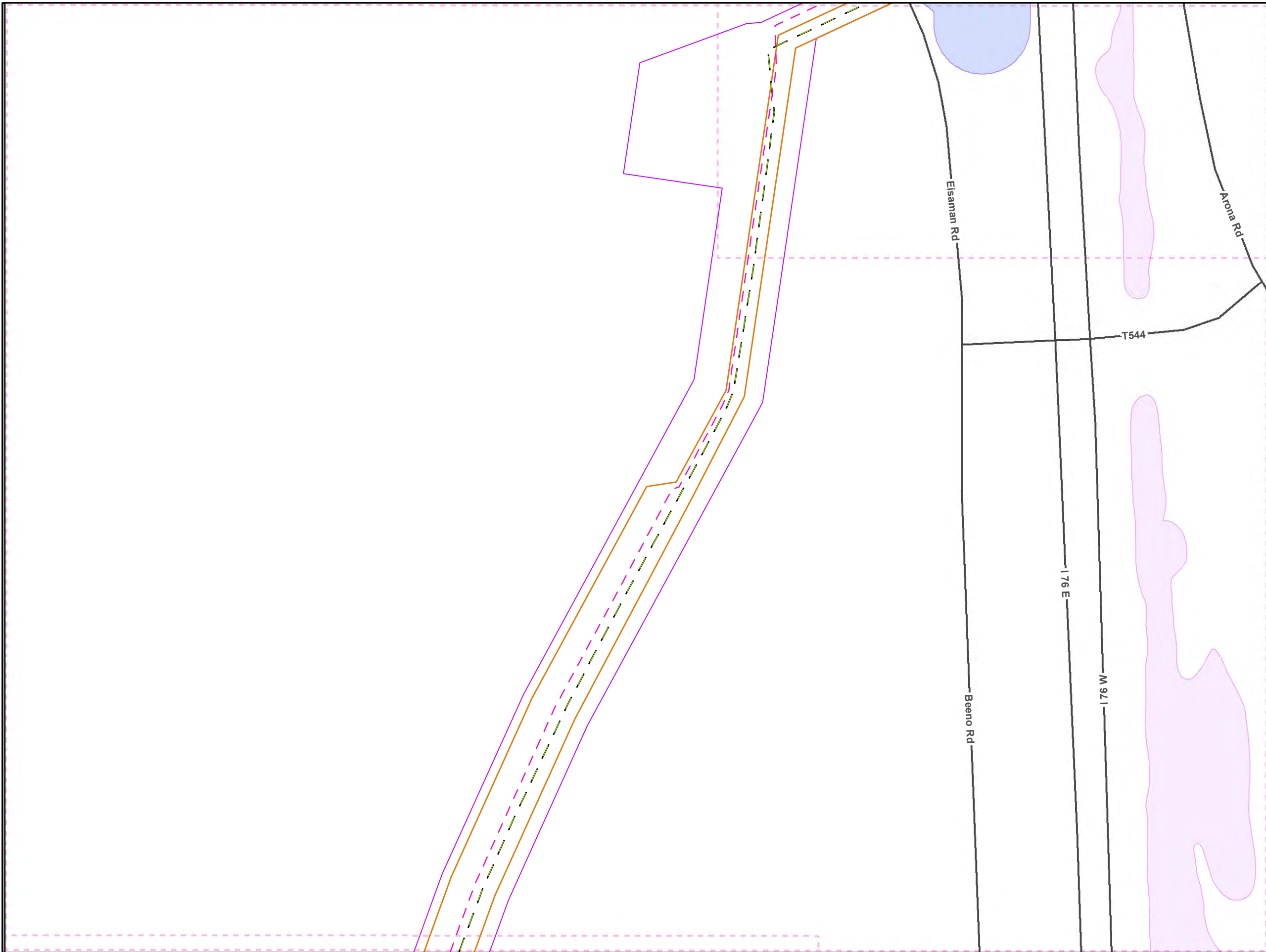


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
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50 of 179**

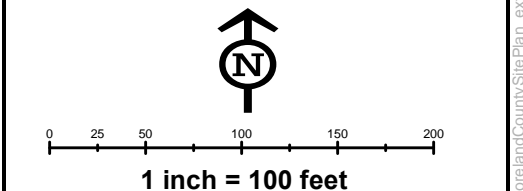
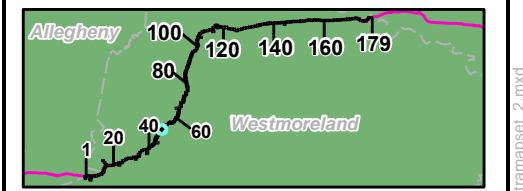
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- Legend**
- - - PPP 1
  - - - PPP 2
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  - - - 8" Centerline
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  - ▭ PFO Wetland
  - ▭ PSS Wetland
  - ▭ Ch. 105 Floodways
  - ▭ Waived Ch. 105 Floodways
  - ▭ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

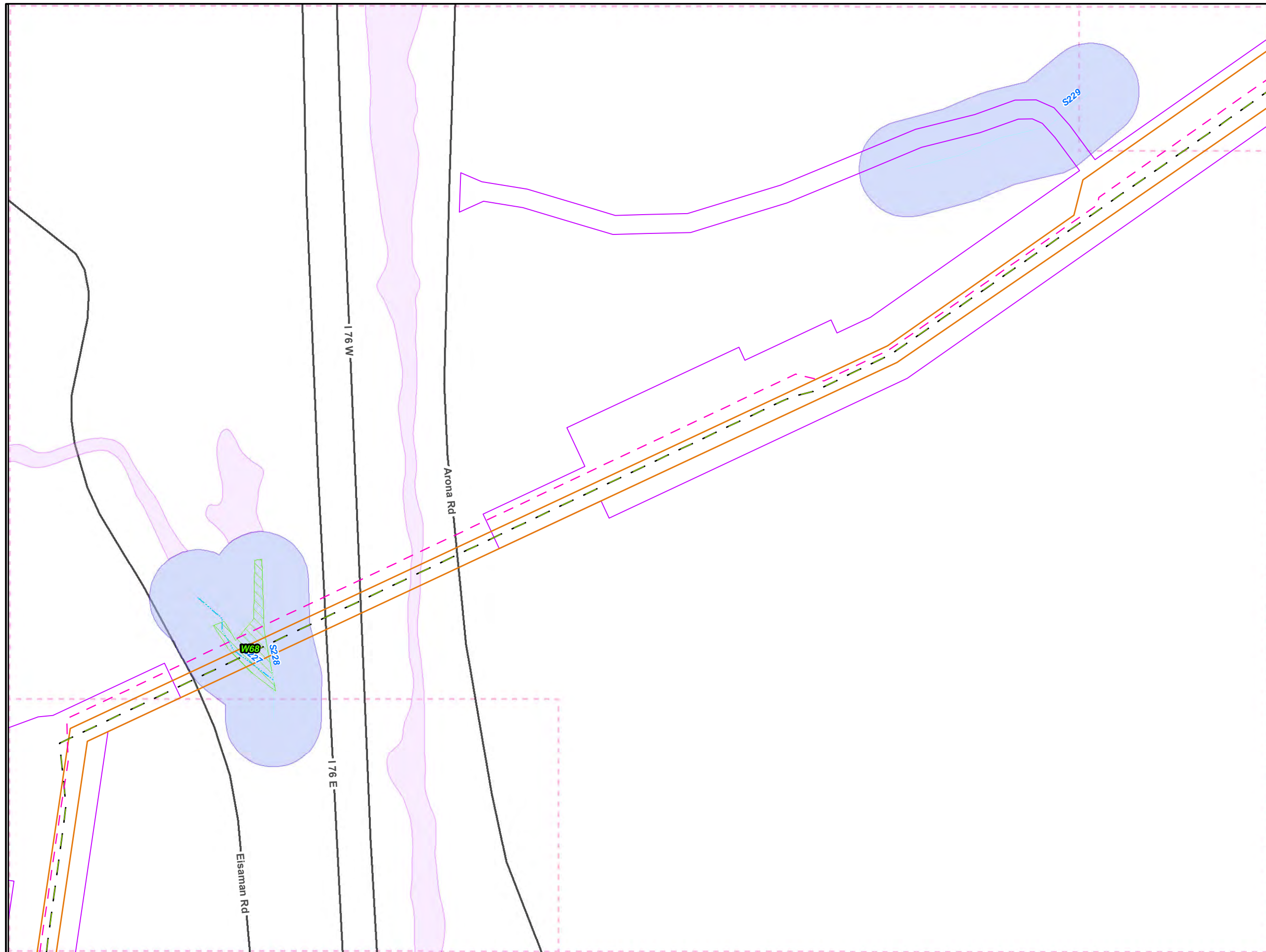


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
51 of 179**

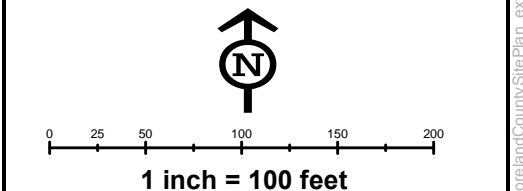
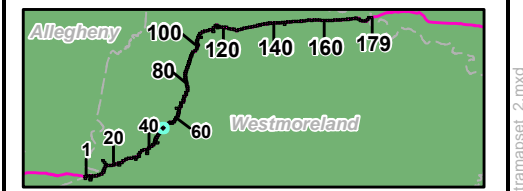
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
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  - - - 8" Centerline
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  - ⊗ Ch. 105 Floodways
  - ⊗ Waived Ch. 105 Floodways
  - ⊗ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

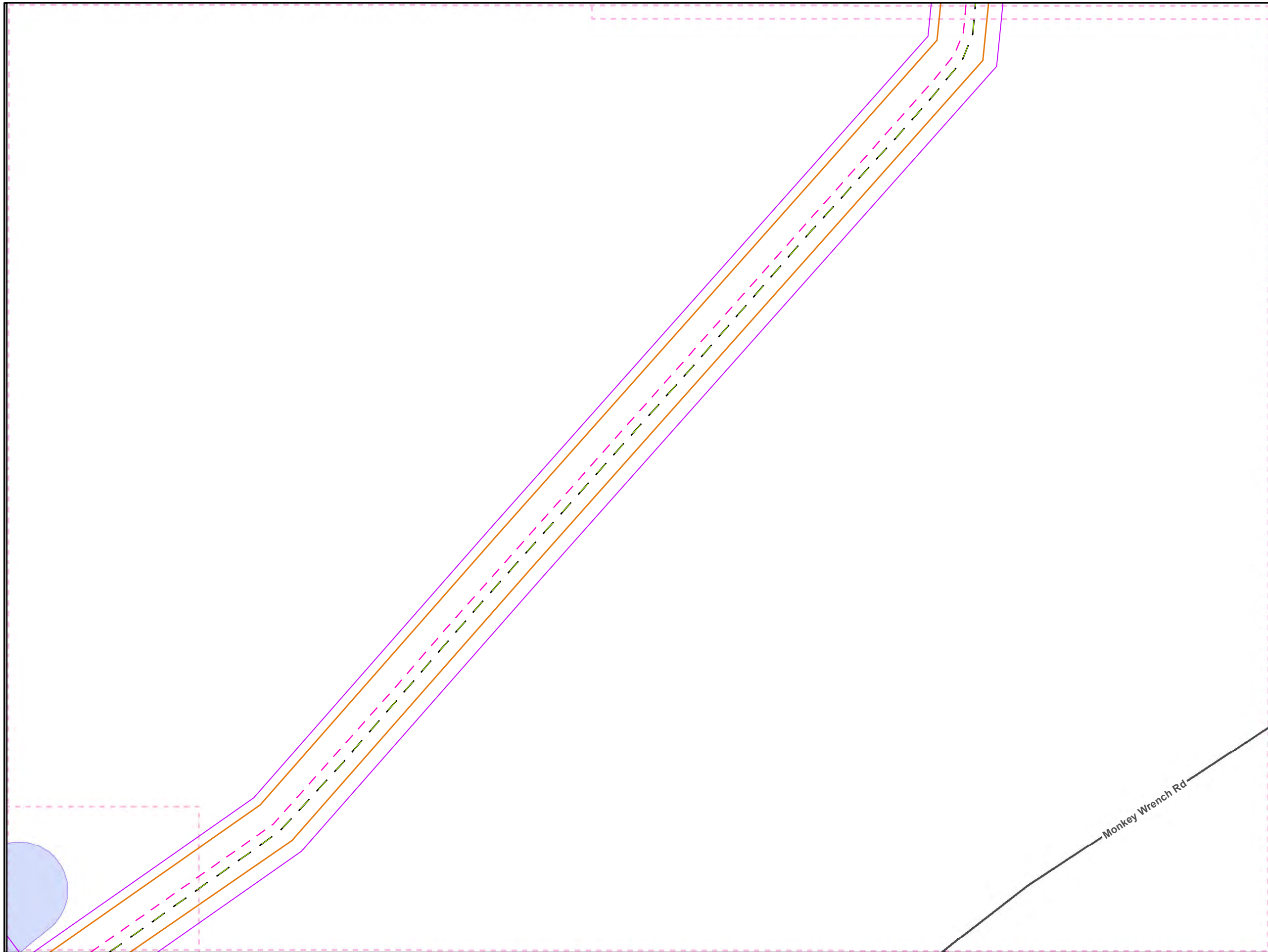


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
52 of 179**

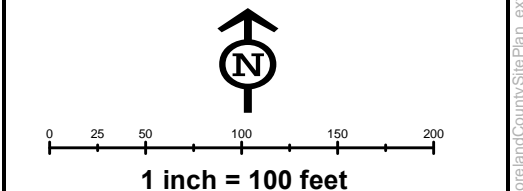
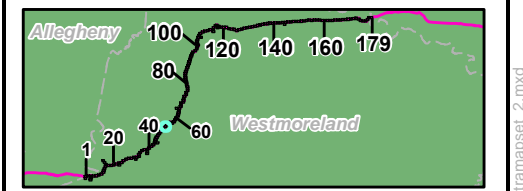
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

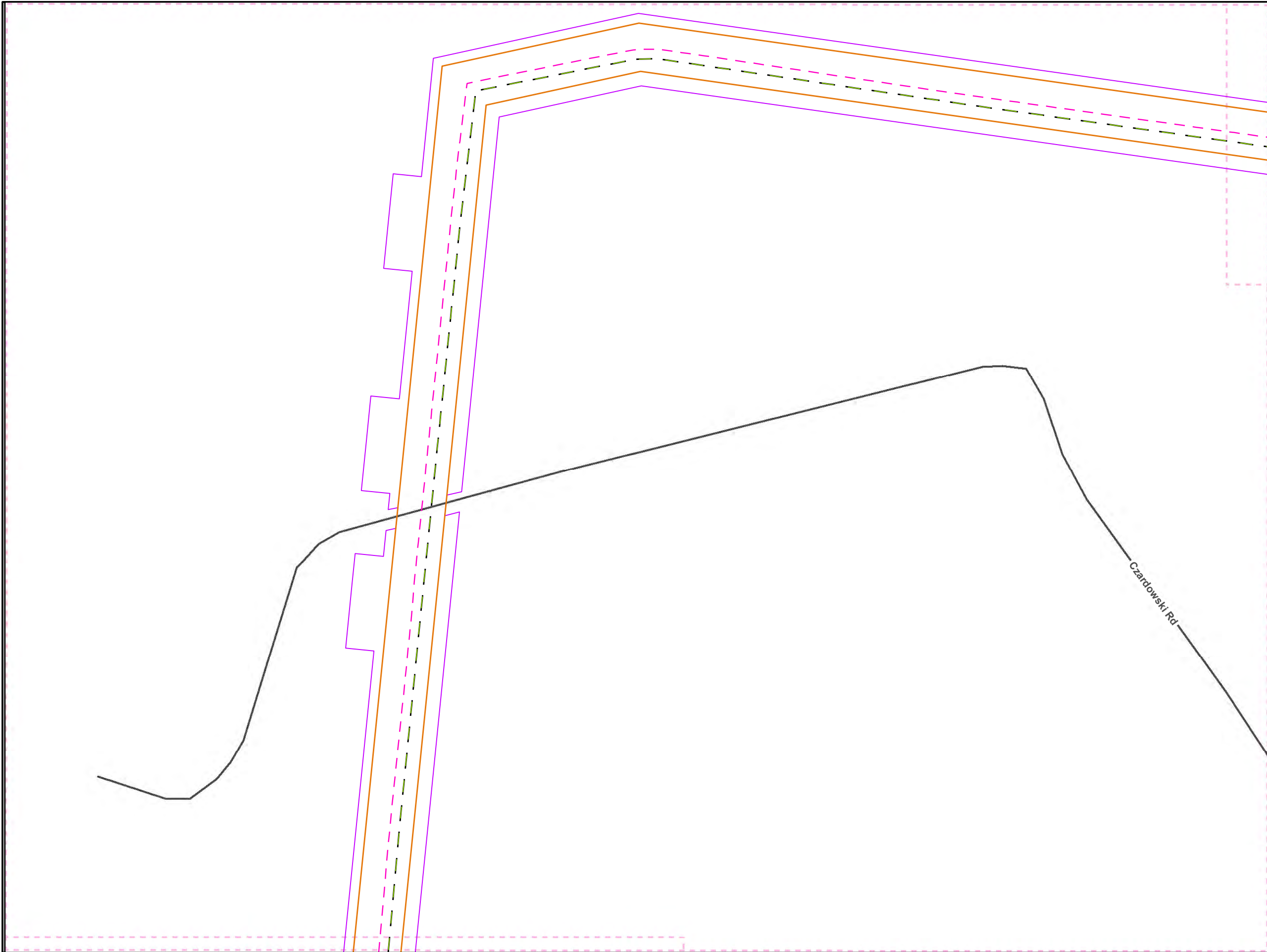


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
53 of 179**

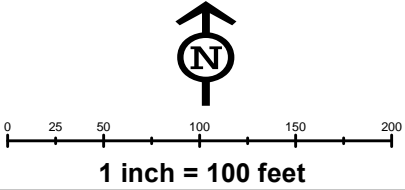
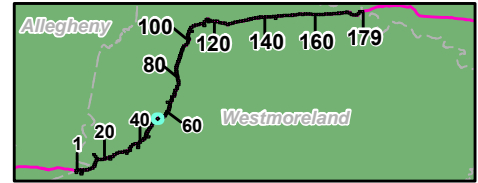
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - ⊕ Pond
  - ⊕ PEM Wetland
  - ⊕ PFO Wetland
  - ⊕ PSS Wetland
  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

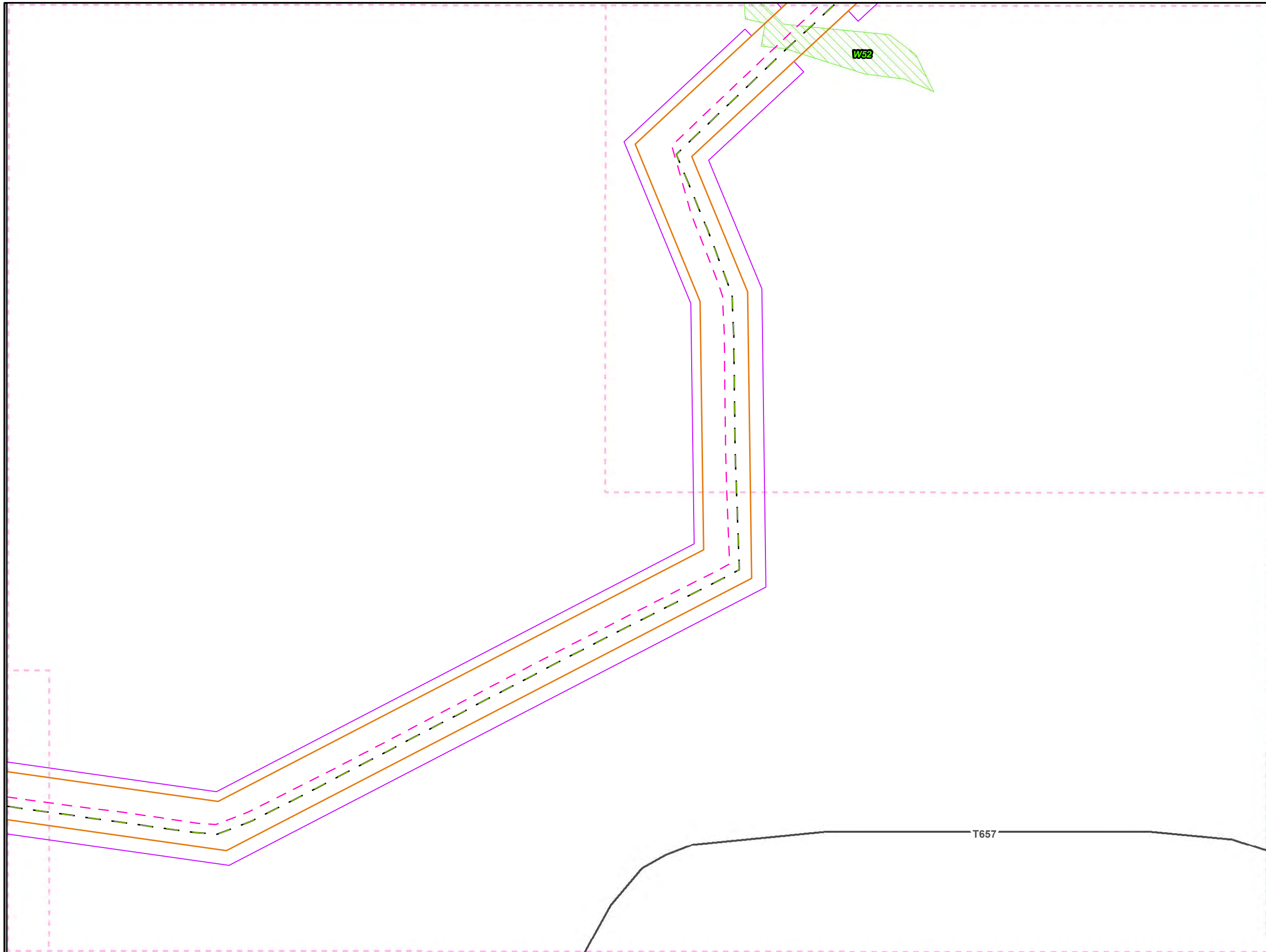


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
54 of 179**

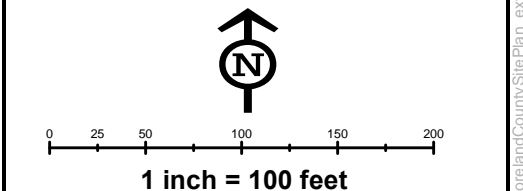
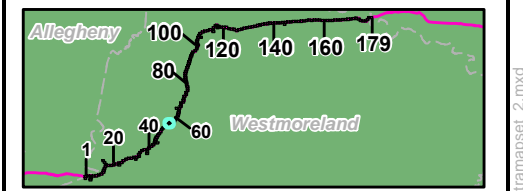
<b>Prepared By:</b> <b>TETRA TECH</b>	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - ⊕ Pond
  - ⊕ PEM Wetland
  - ⊕ PFO Wetland
  - ⊕ PSS Wetland
  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

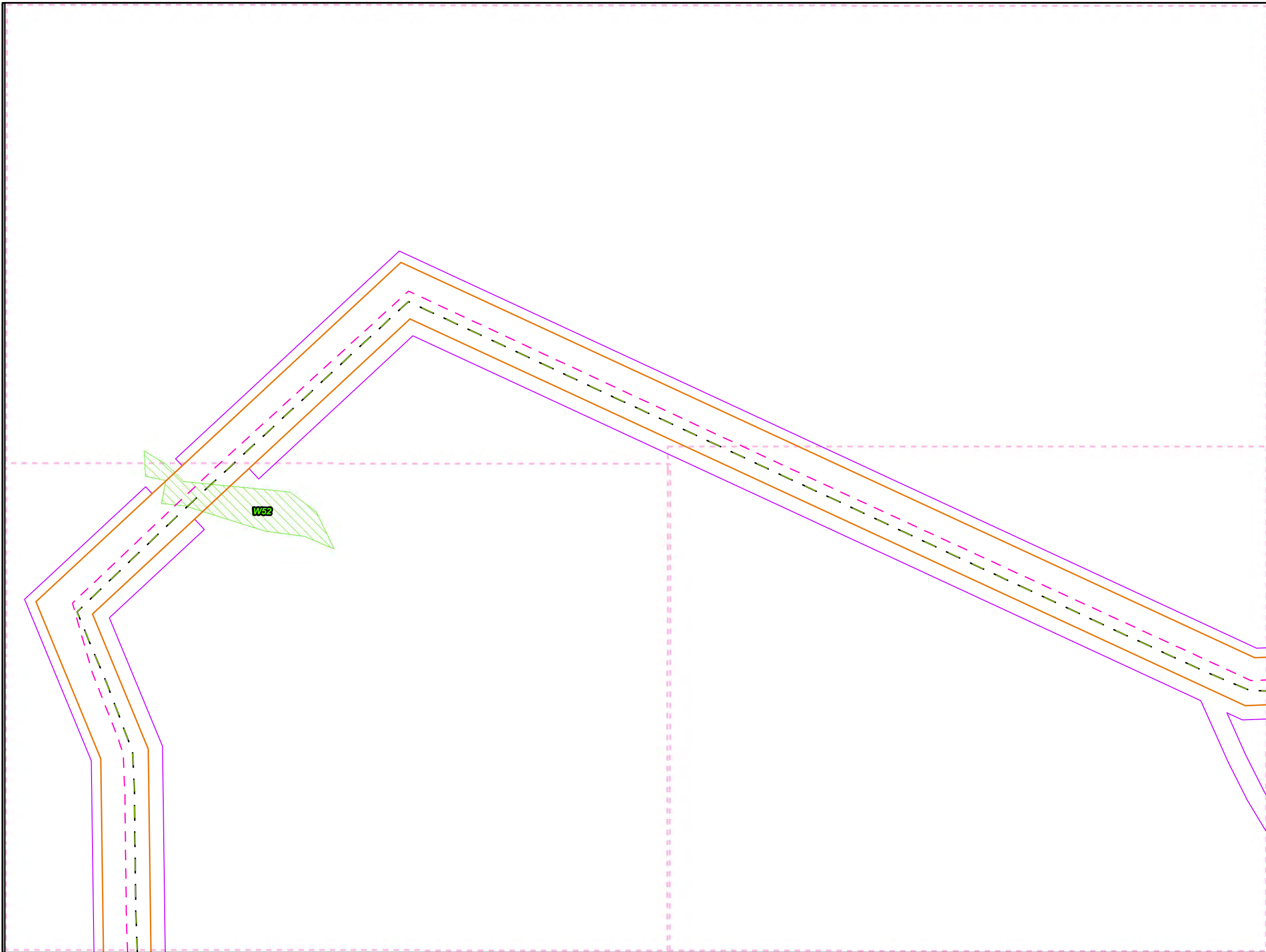


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
55 of 179**

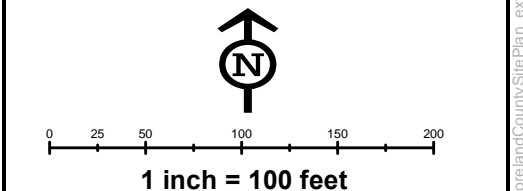
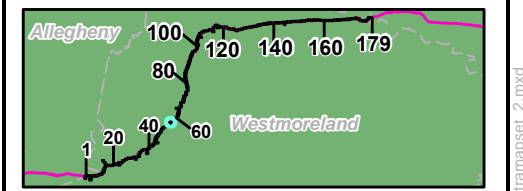
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

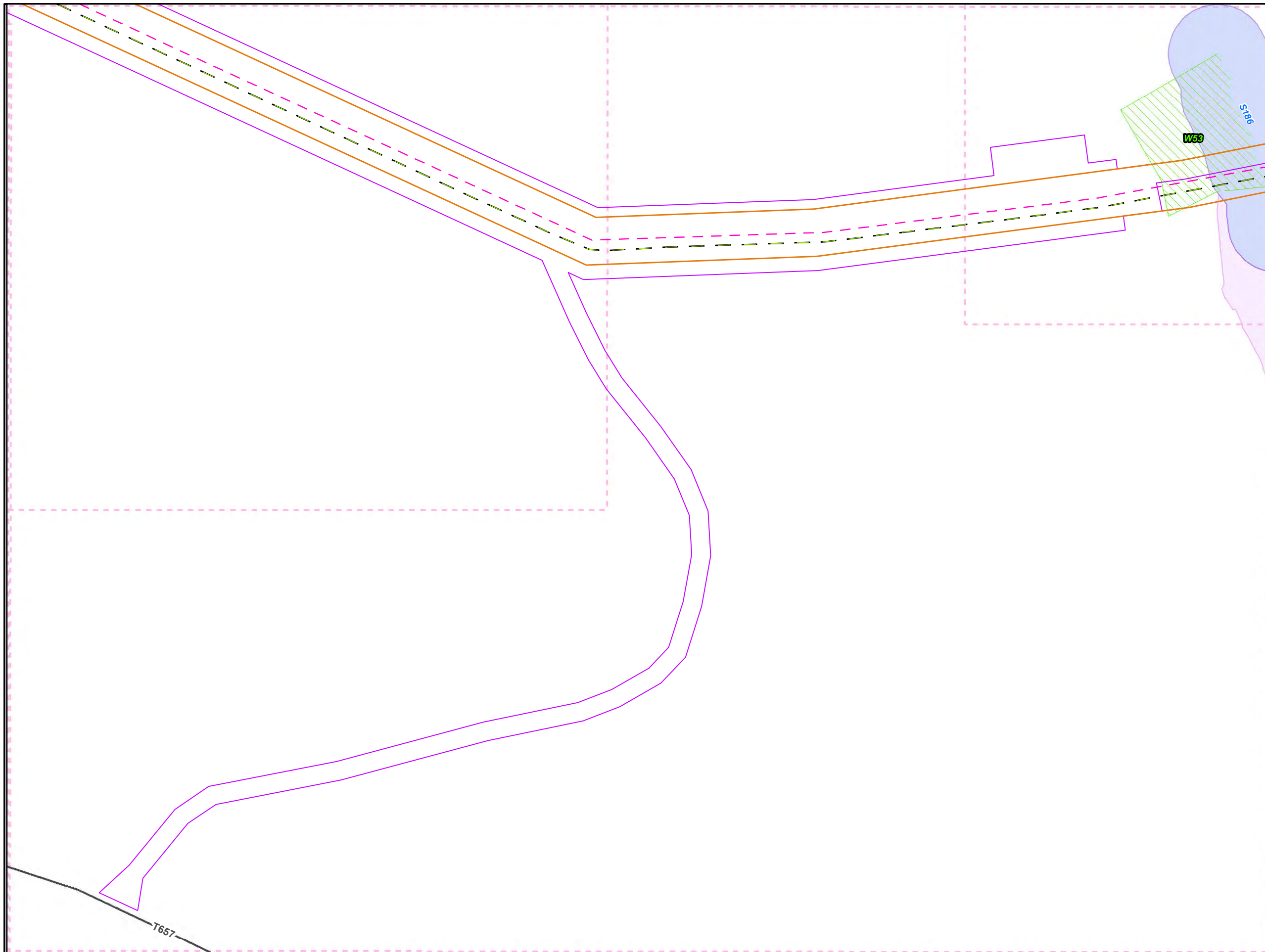


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
56 of 179**

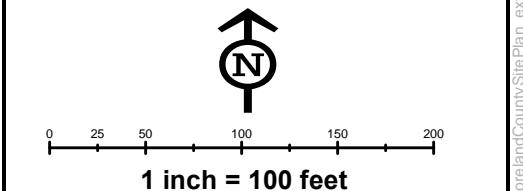
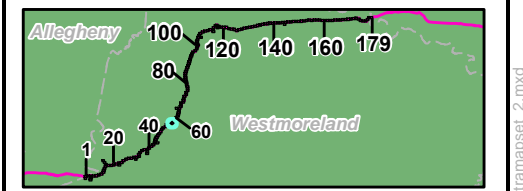
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - ⊡ Pond
  - ⊡ PEM Wetland
  - ⊡ PFO Wetland
  - ⊡ PSS Wetland
  - ⊡ Ch. 105 Floodways
  - ⊡ Waived Ch. 105 Floodways
  - ⊡ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

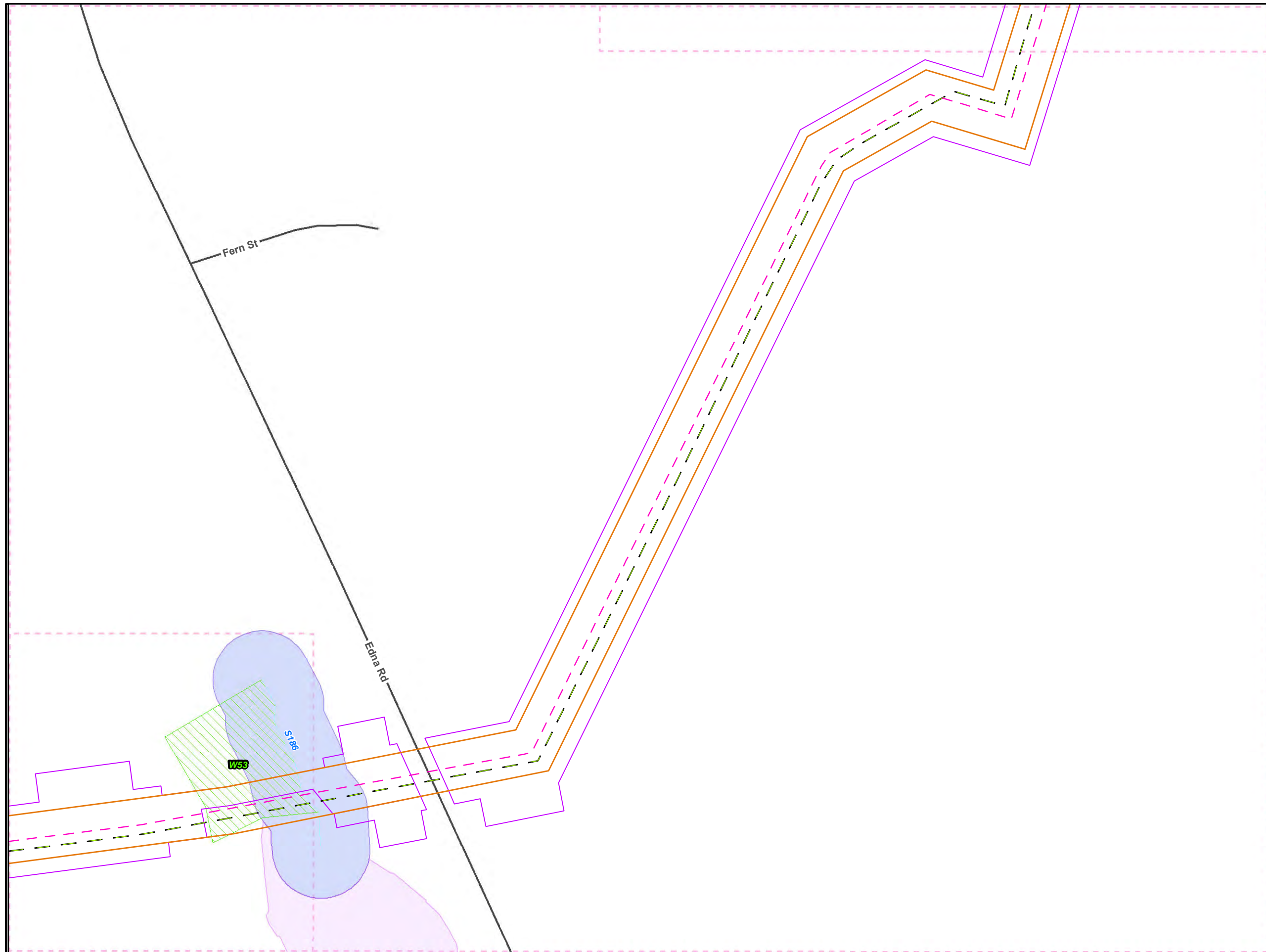


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
57 of 179**

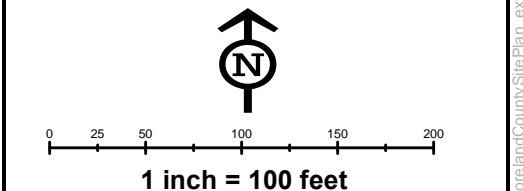
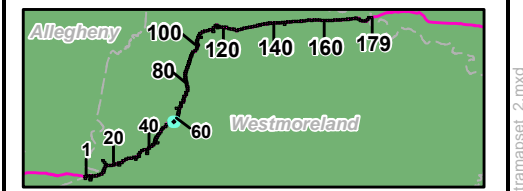
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - / - / - 8" Centerline
  - 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ ~ ~ Ephemeral Stream
  - ~ ~ ~ Intermittent Stream
  - ~ ~ ~ Perennial Stream
  - ▭ Pond
  - ▭ PEM Wetland
  - ▭ PFO Wetland
  - ▭ PSS Wetland
  - ▭ Ch. 105 Floodways
  - ▭ Waived Ch. 105 Floodways
  - ▭ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

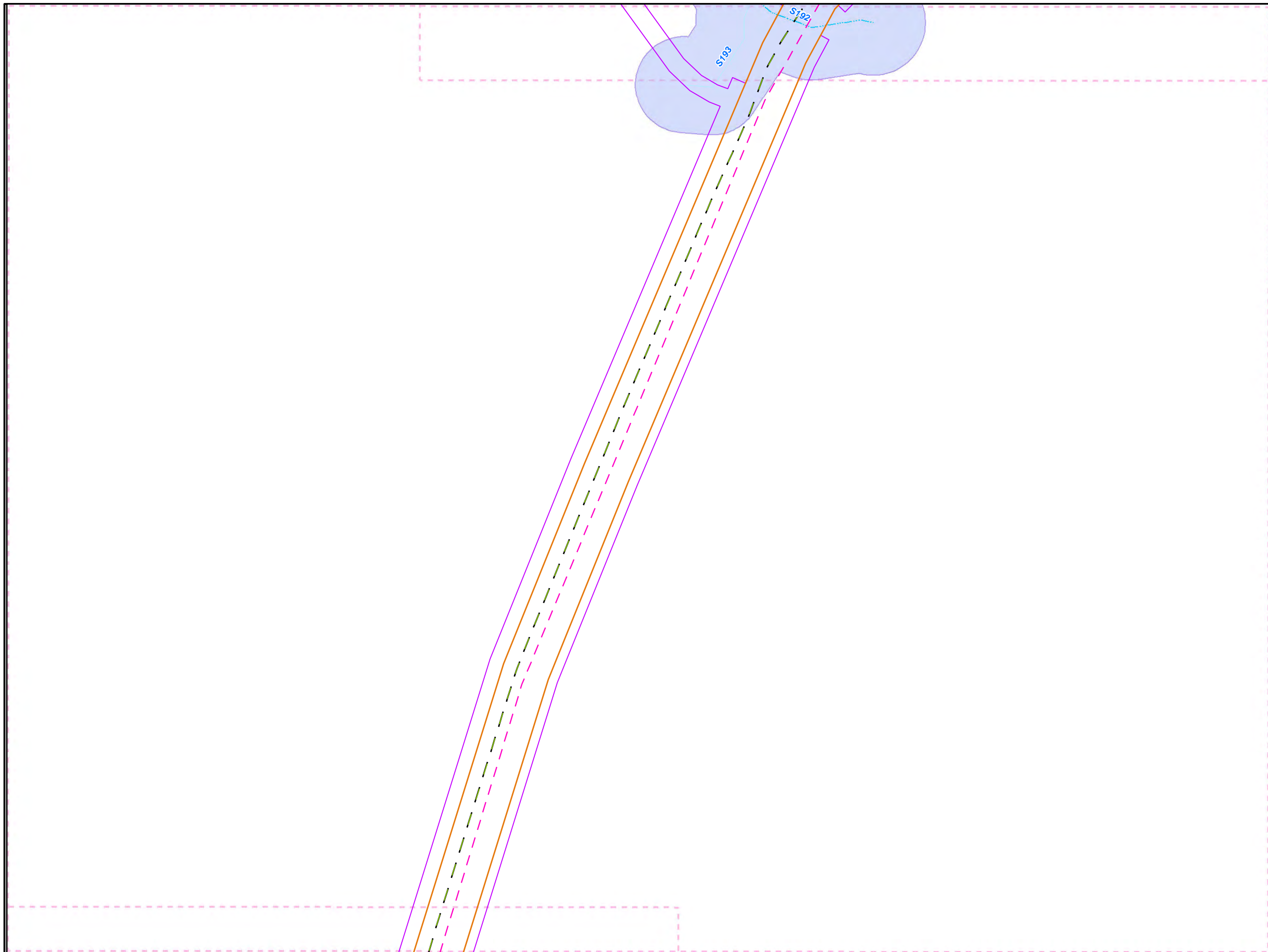


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
58 of 179**

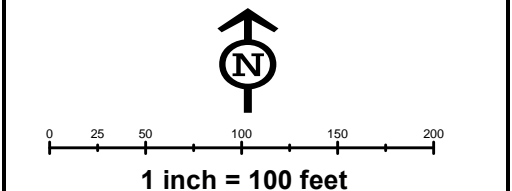
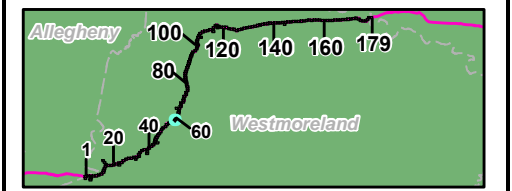
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

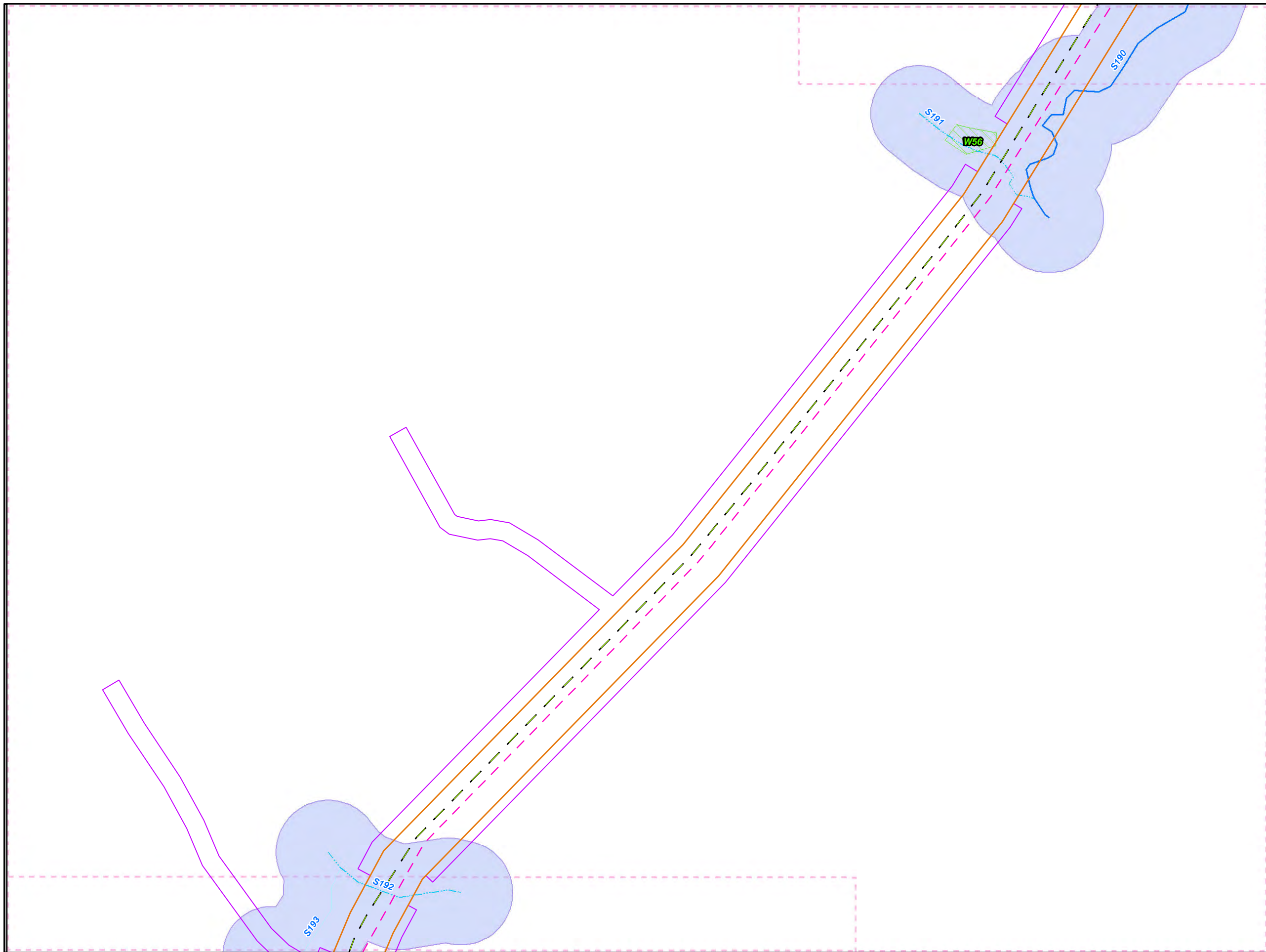


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
59 of 179**

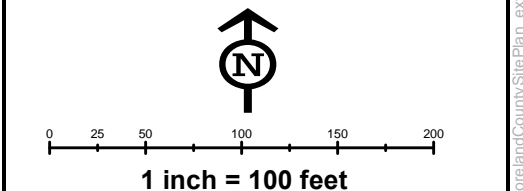
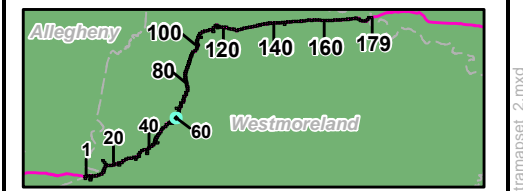
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
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  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

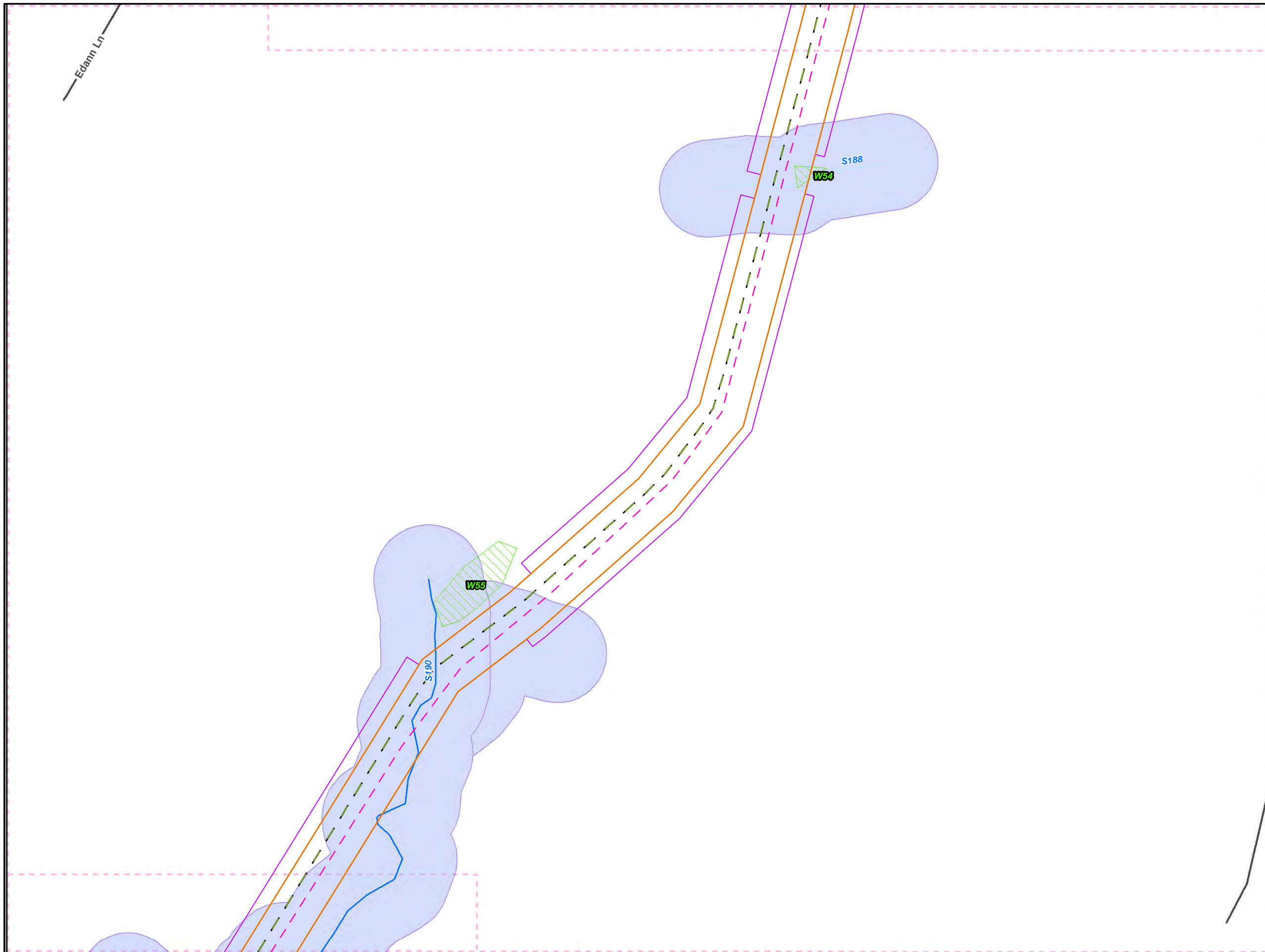


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
60 of 179**

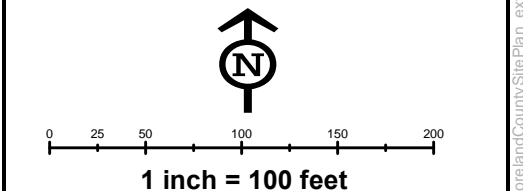
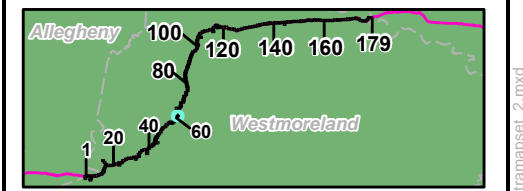
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

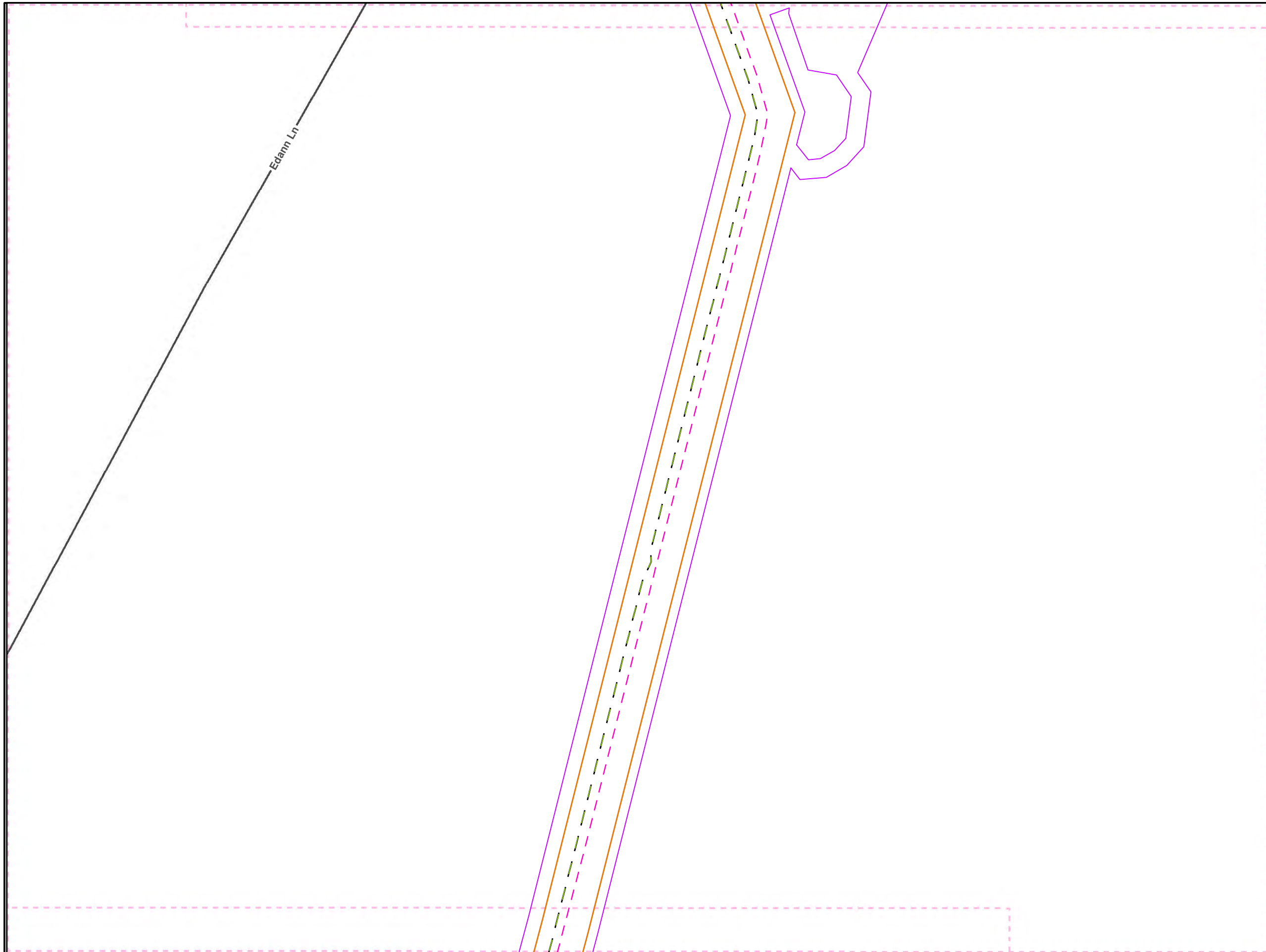


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
61 of 179**

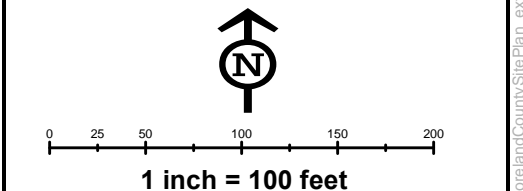
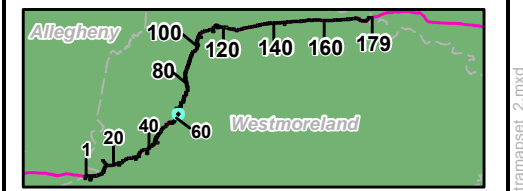
<b>Prepared By:</b> TETRA TECH	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - / \ / \ 8" Centerline
  - 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ ~ ~ Ephemeral Stream
  - . - . Intermittent Stream
  - ~ ~ ~ Perennial Stream
  - ( ) ( ) Pond
  - ( ) ( ) PEM Wetland
  - ( ) ( ) PFO Wetland
  - ( ) ( ) PSS Wetland
  - ( ) ( ) Ch. 105 Floodways
  - ( ) ( ) Waived Ch. 105 Floodways
  - ( ) ( ) Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

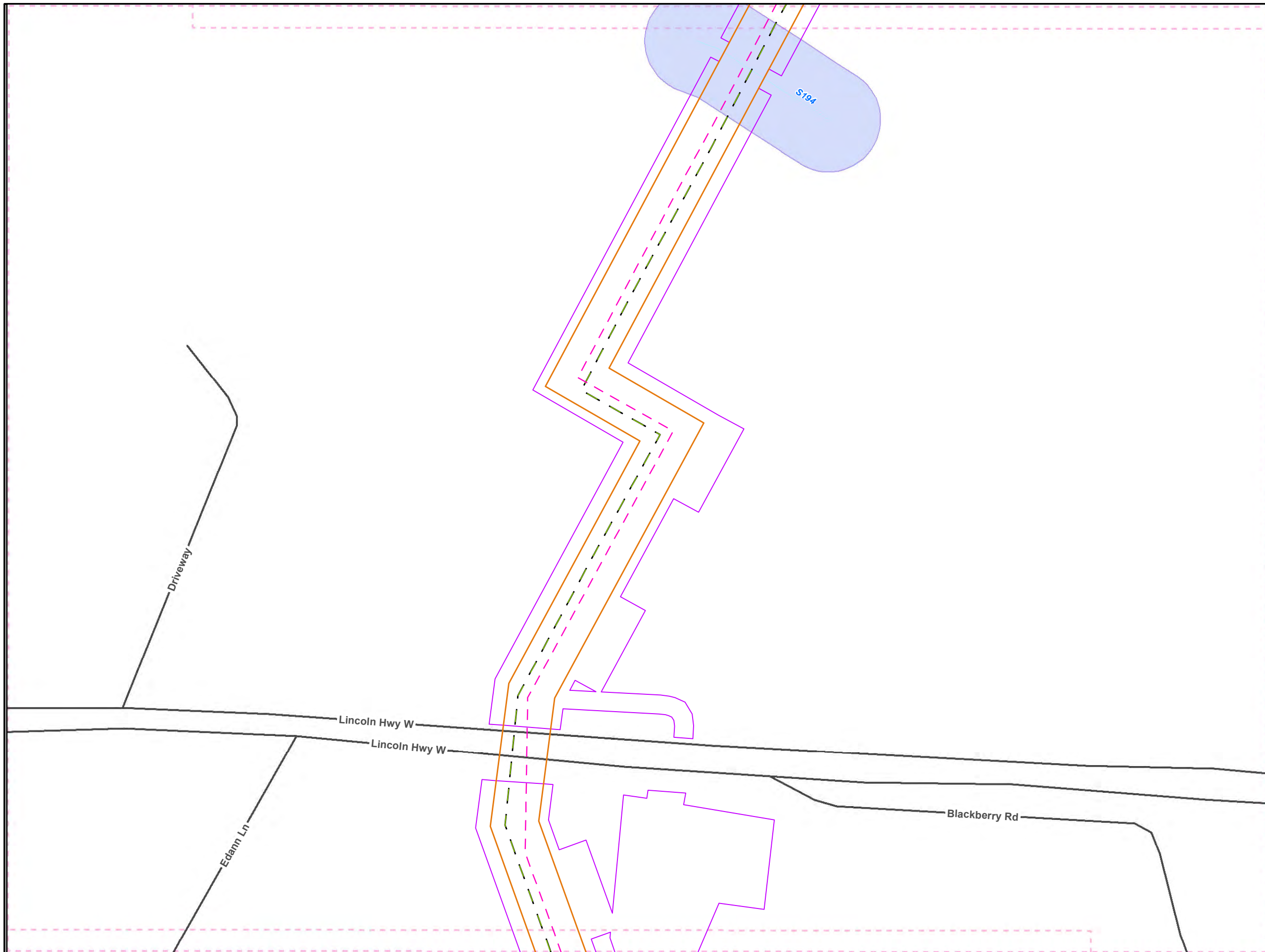


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
62 of 179**

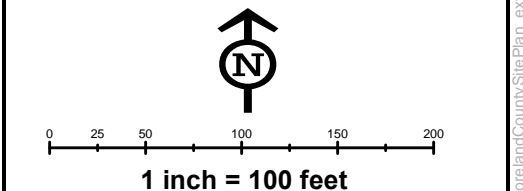
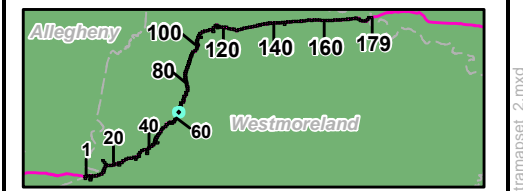
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ ~ ~ Ephemeral Stream
  - ~ ~ ~ Intermittent Stream
  - ~ ~ ~ Perennial Stream
  - ~ ~ ~ Pond
  - ~ ~ ~ PEM Wetland
  - ~ ~ ~ PFO Wetland
  - ~ ~ ~ PSS Wetland
  - ~ ~ ~ Ch. 105 Floodways
  - ~ ~ ~ Waived Ch. 105 Floodways
  - ~ ~ ~ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

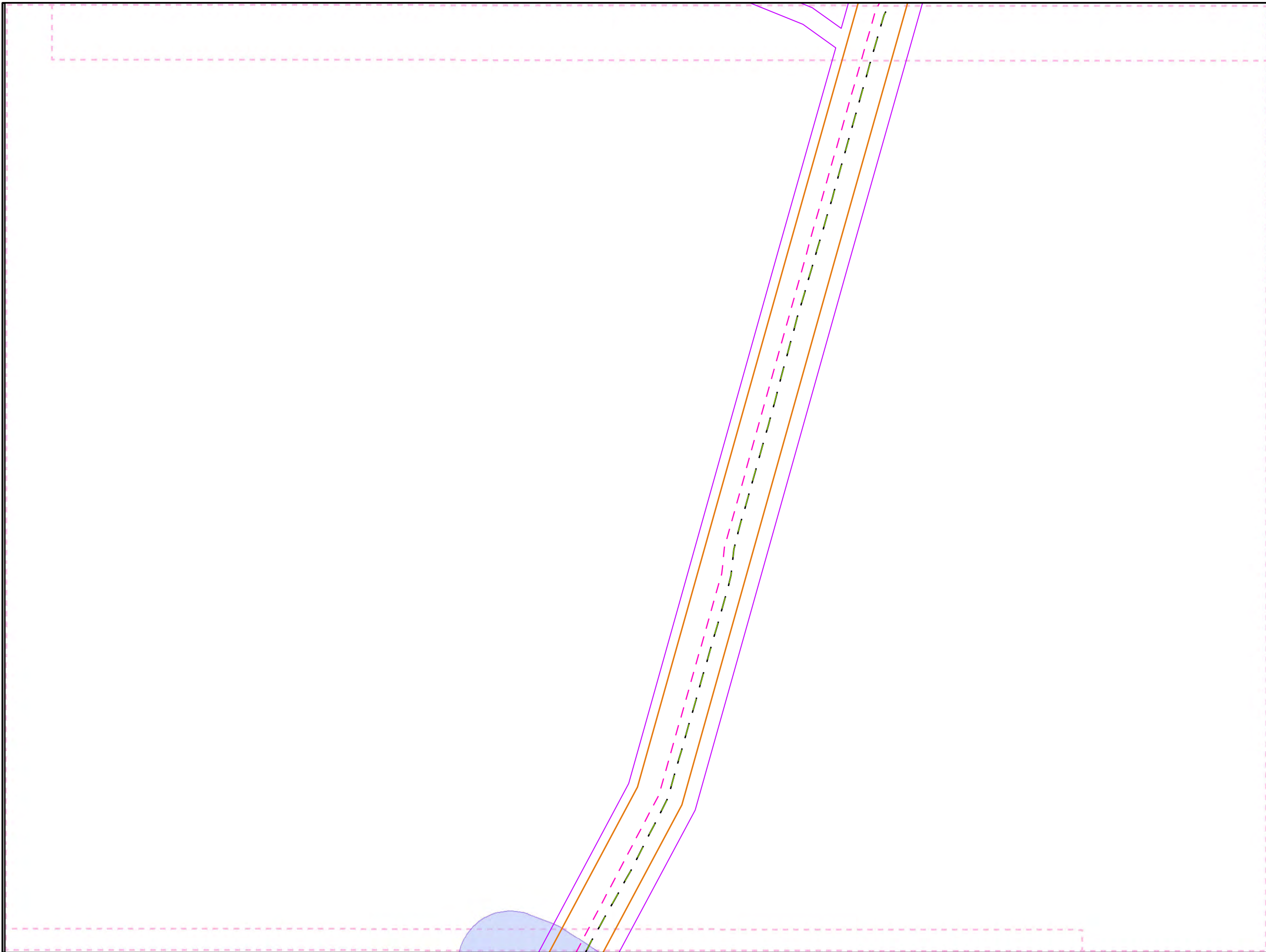


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
63 of 179**

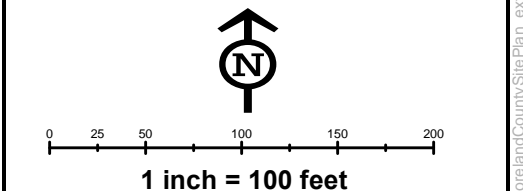
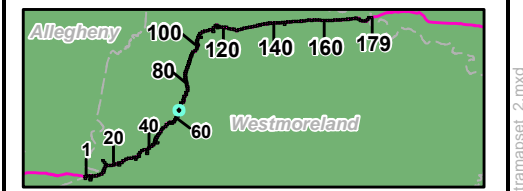
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
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  - PPP LOD
  - / - / - 8" Centerline
  - 8" Pipeline Maintenance Corridor
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  - ~ ~ ~ Ephemeral Stream
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  - ⊗ Pond
  - ⊗ PEM Wetland
  - ⊗ PFO Wetland
  - ⊗ PSS Wetland
  - ⊗ Ch. 105 Floodways
  - ⊗ Waived Ch. 105 Floodways
  - ⊗ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

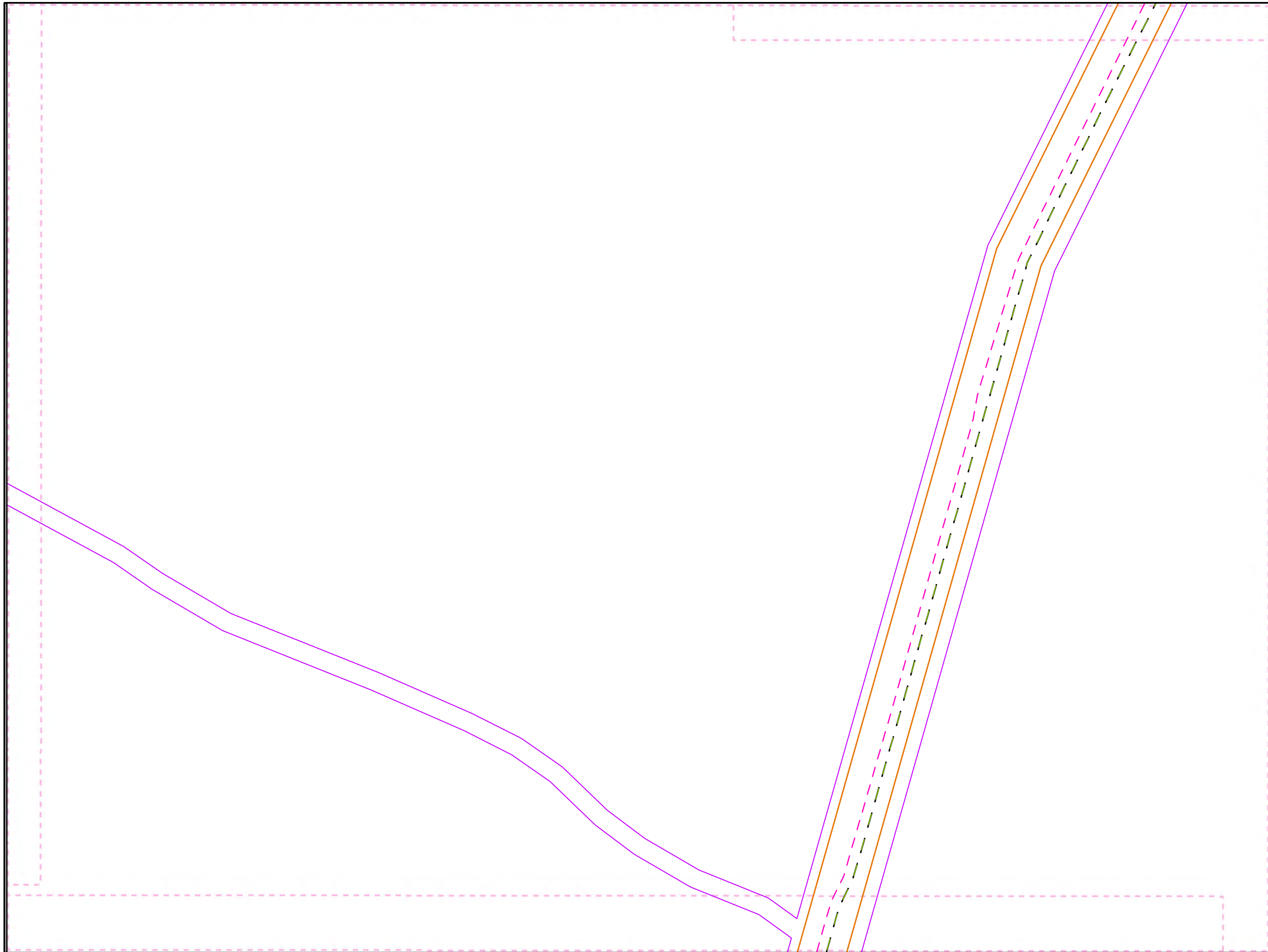


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
64 of 179**

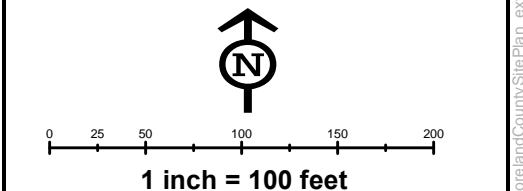
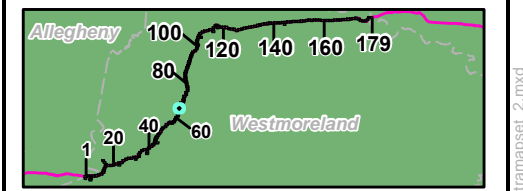
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - / \ 8" Centerline
  - 8" Pipeline Maintenance Corridor
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  - ~ Ephemeral Stream
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  - ~ Pond
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  - ~ Ch. 105 Floodways
  - ~ Waived Ch. 105 Floodways
  - ~ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

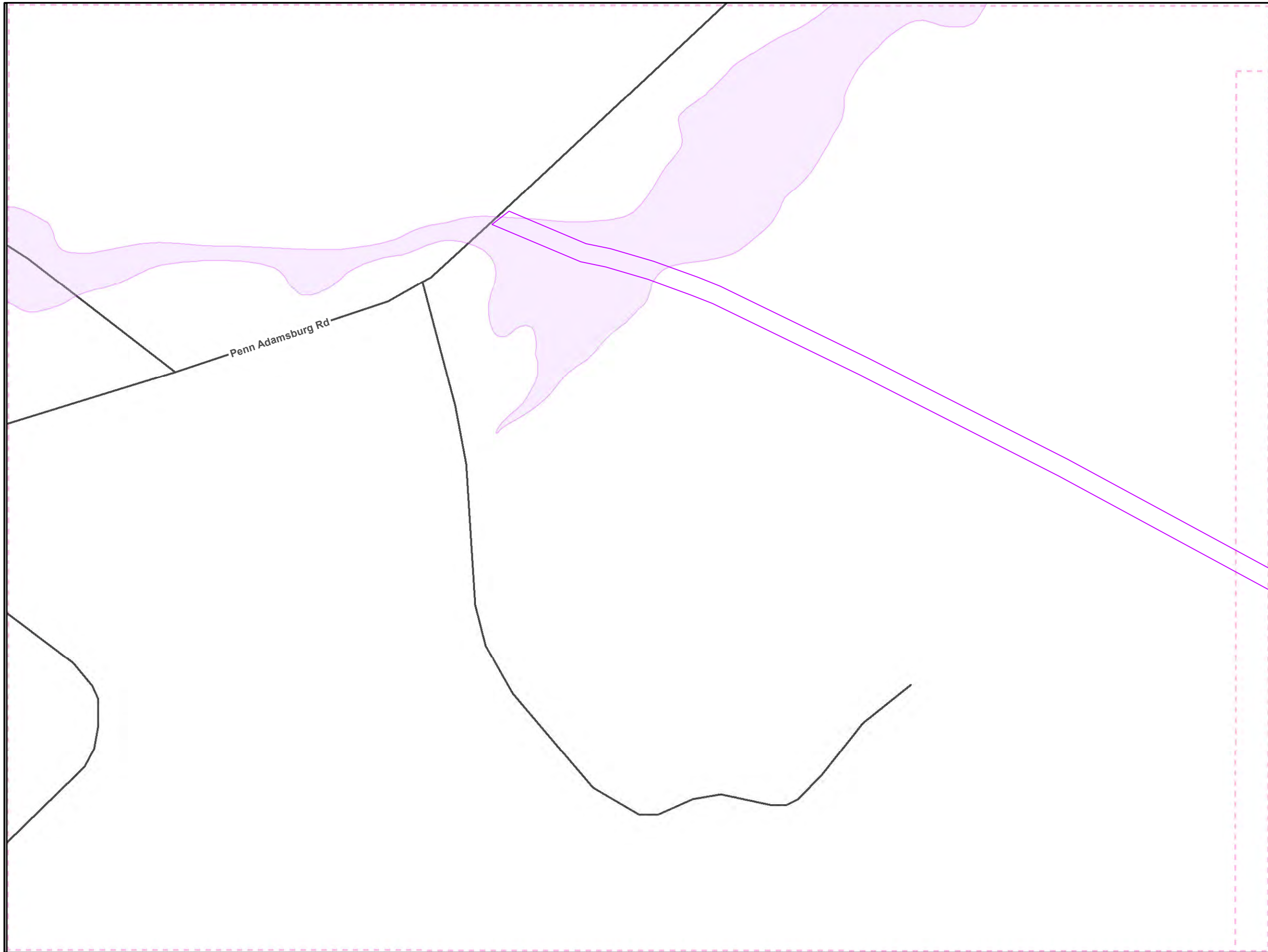


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
65 of 179**

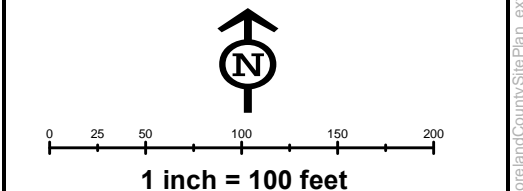
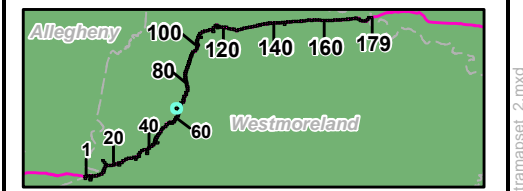
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

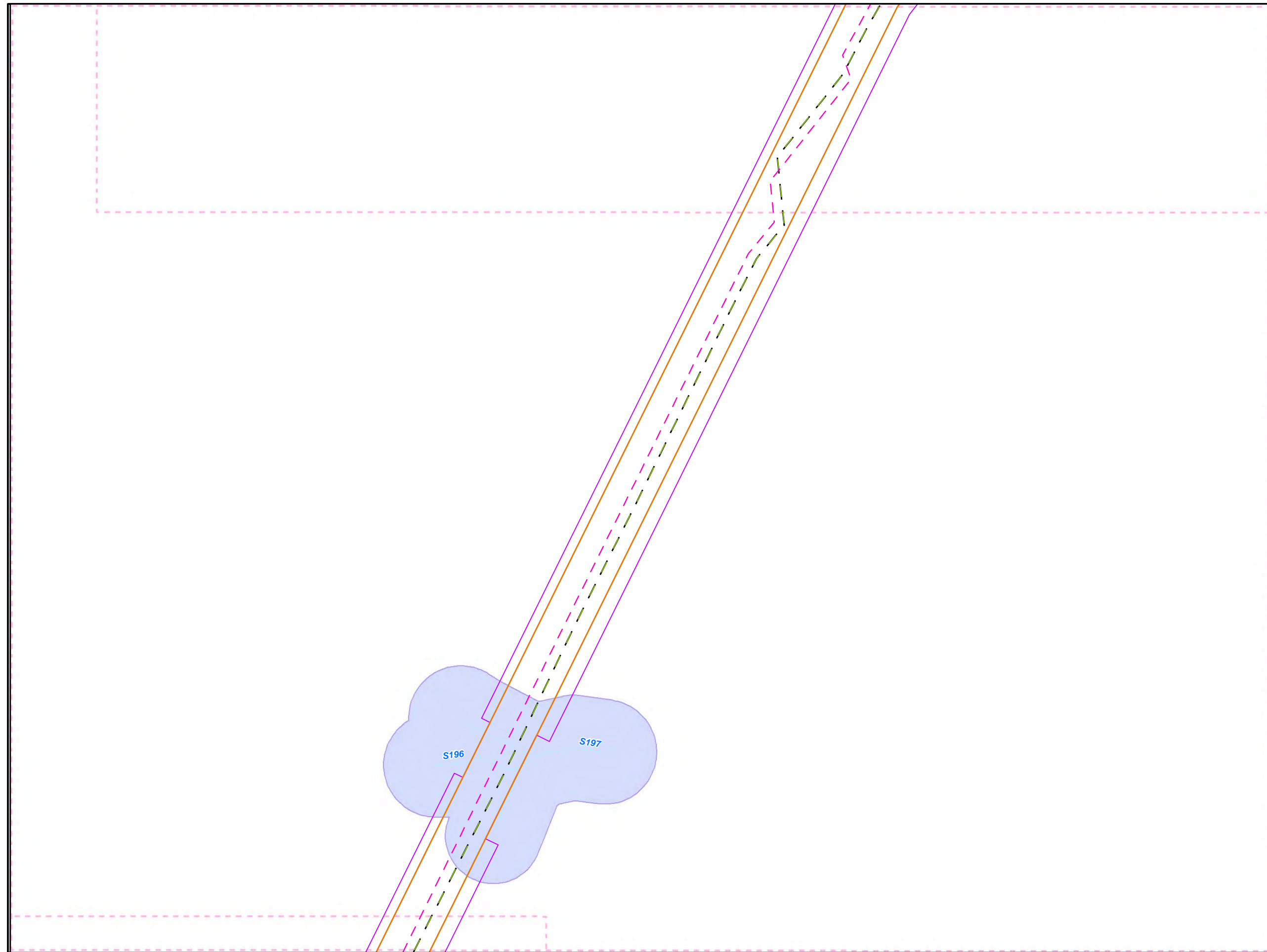


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
66 of 179

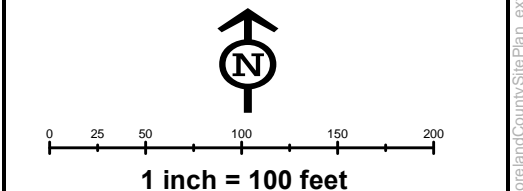
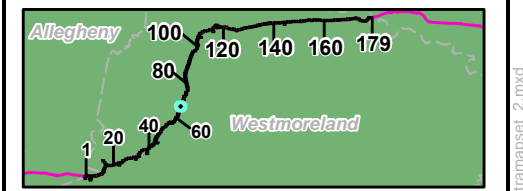
<b>Prepared By:</b> TETRA TECH	<b>Date:</b> 11/2016
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- Legend**
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  - 8" Centerline
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  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - ⊕ Pond
  - ⊕ PEM Wetland
  - ⊕ PFO Wetland
  - ⊕ PSS Wetland
  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

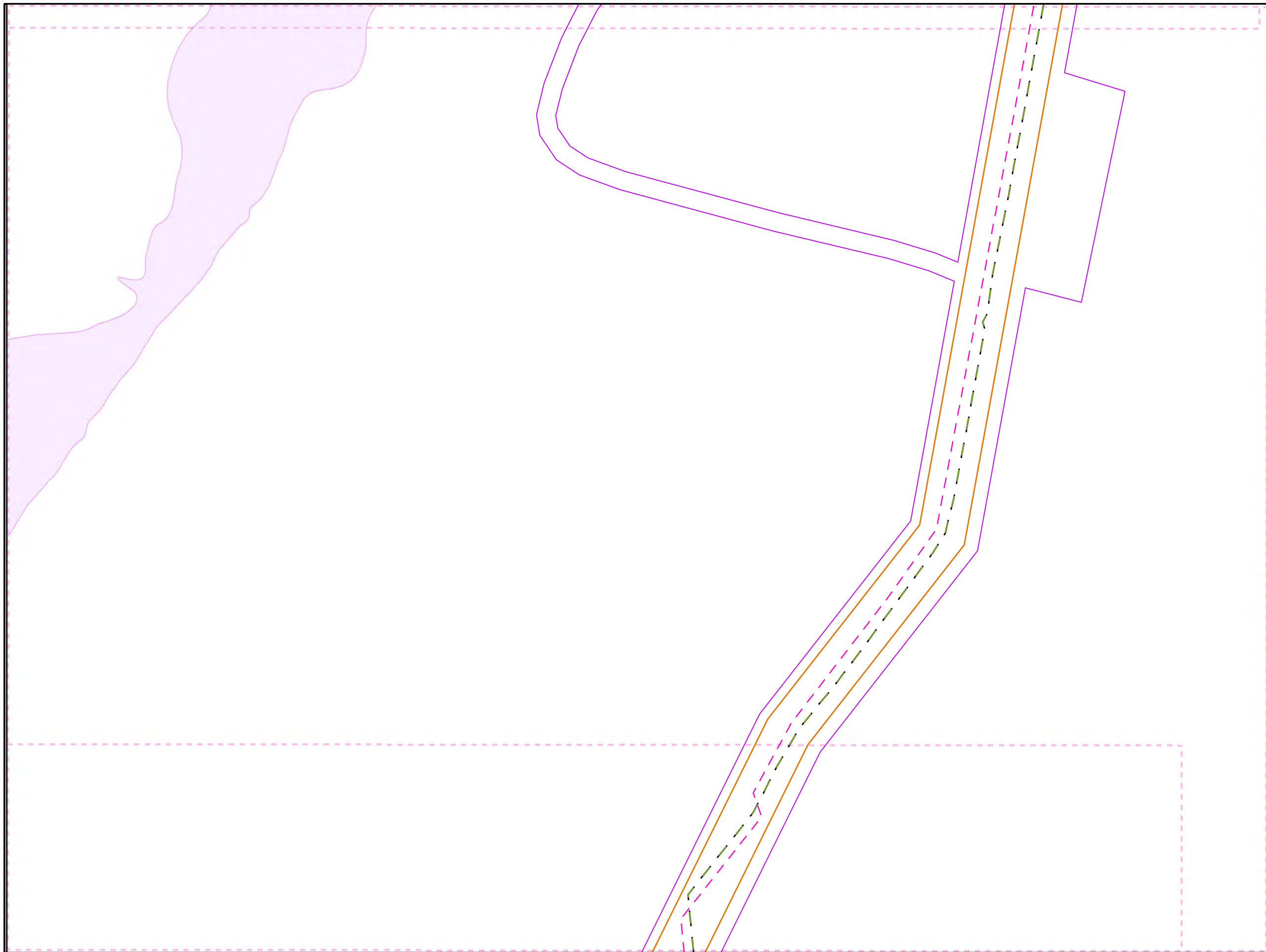


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
67 of 179**

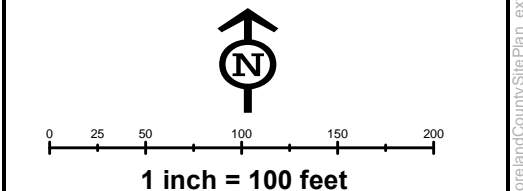
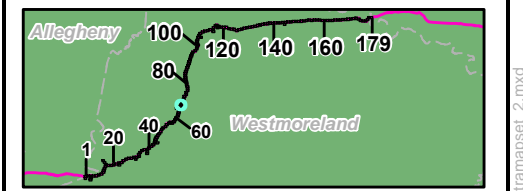
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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  - PPP LOD
  - - - 8" Centerline
  - 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ ~ ~ Ephemeral Stream
  - - - Intermittent Stream
  - ~ ~ ~ Perennial Stream
  - ▭ Pond
  - ▭ PEM Wetland
  - ▭ PFO Wetland
  - ▭ PSS Wetland
  - ▭ Ch. 105 Floodways
  - ▭ Waived Ch. 105 Floodways
  - ▭ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

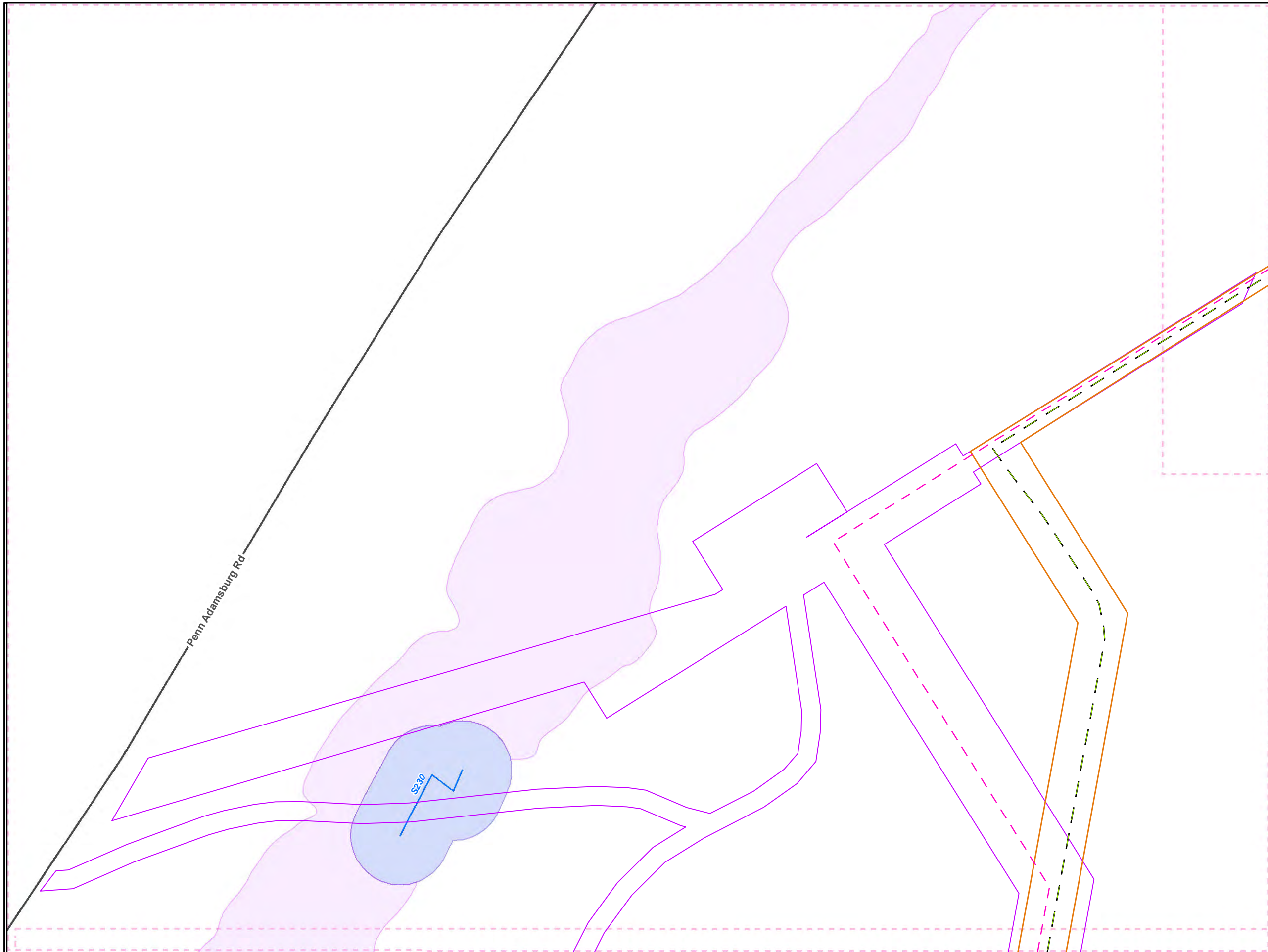


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
68 of 179**

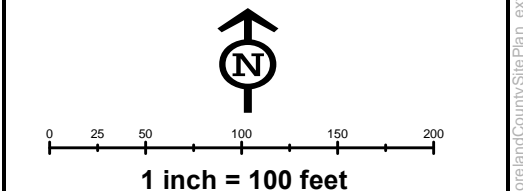
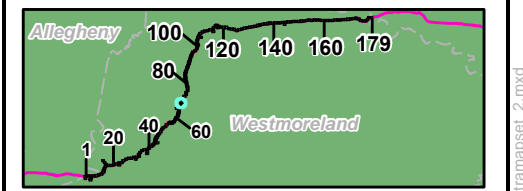
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
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  - Roads
  - - - Sheet Boundary

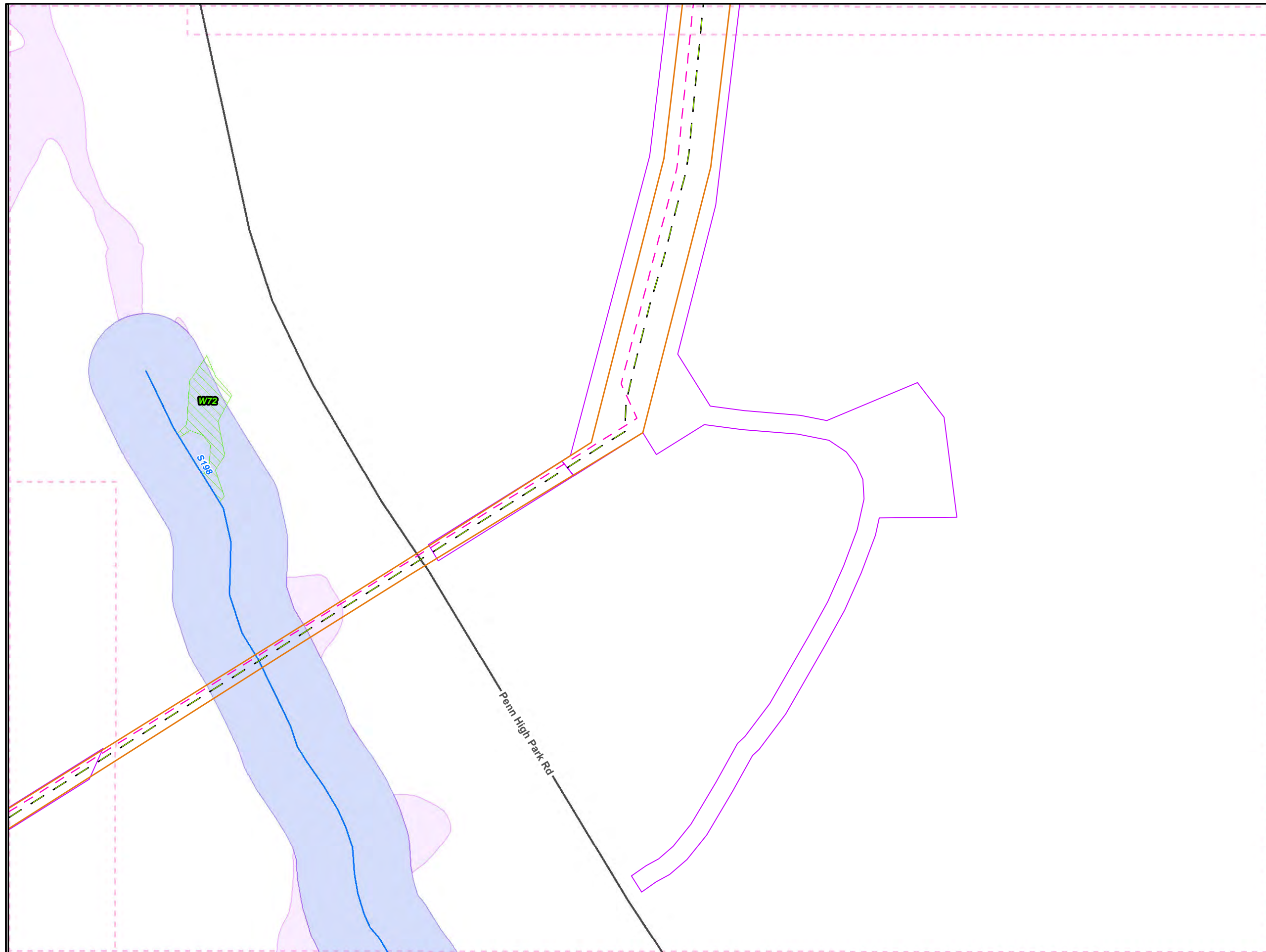


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA. 69 of 179**

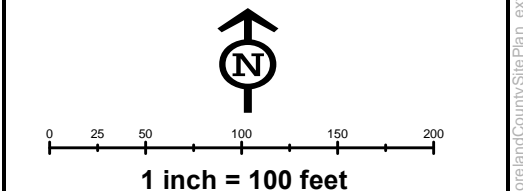
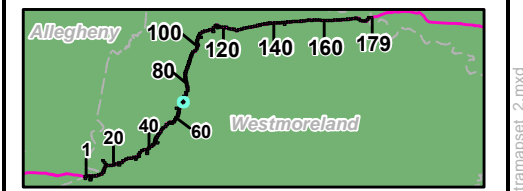
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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  - ⊕ Ch. 106 Floodplain Fringe
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  - - - Sheet Boundary

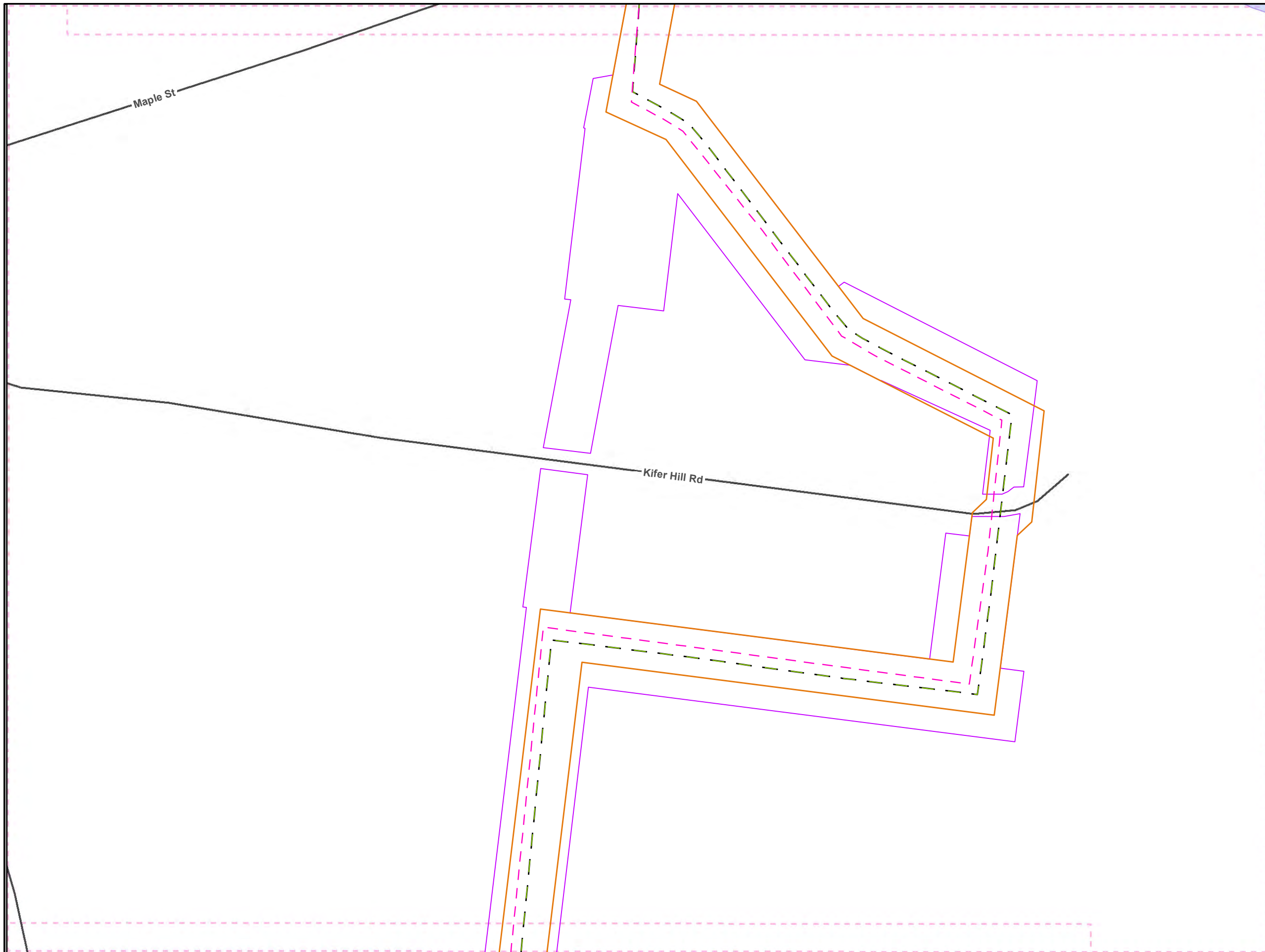


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
70 of 179**

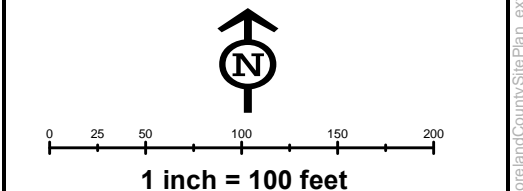
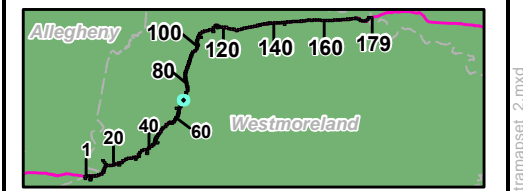
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
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  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
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  - - - Sheet Boundary

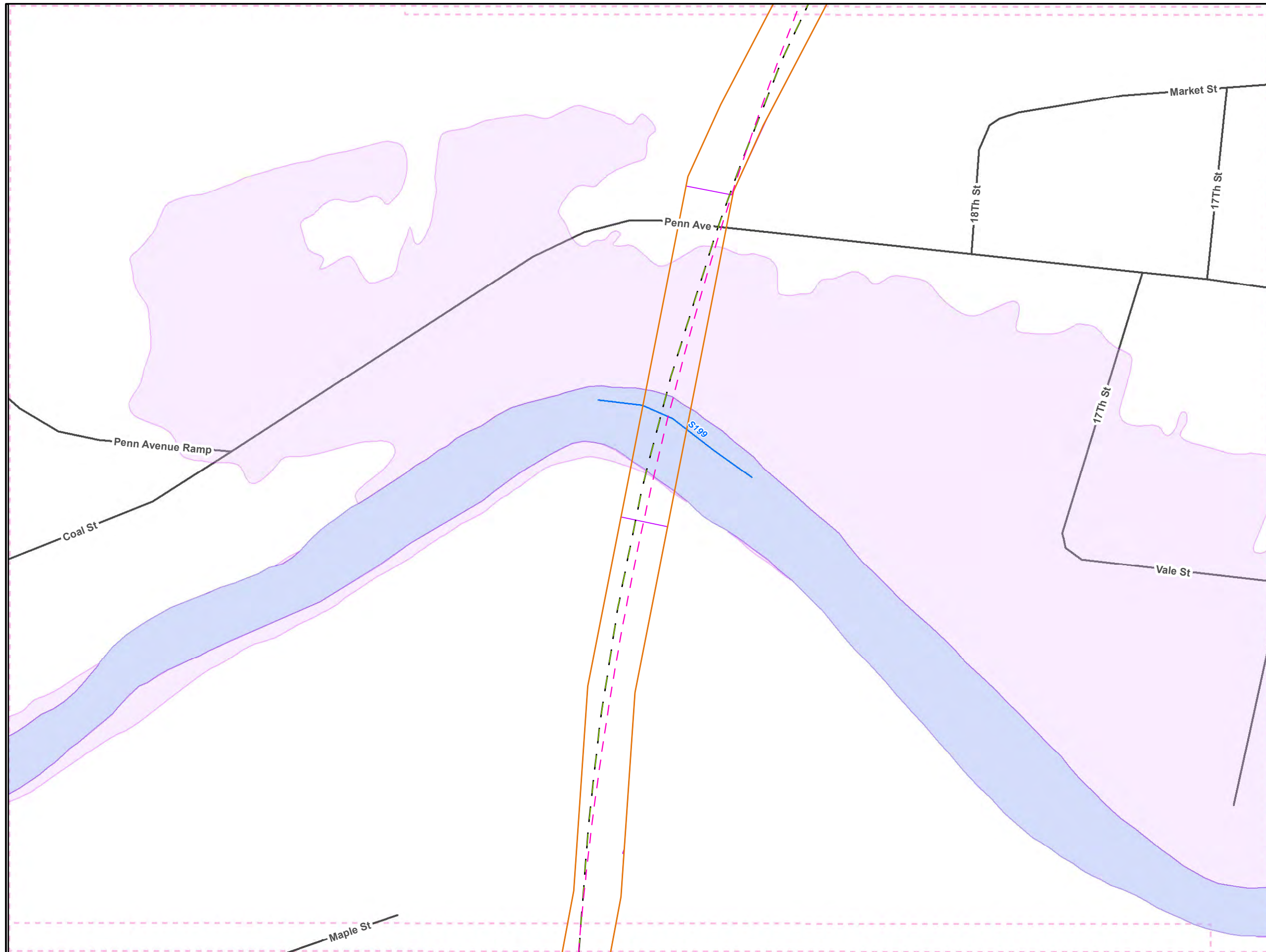


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
71 of 179

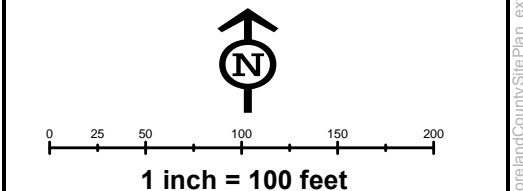
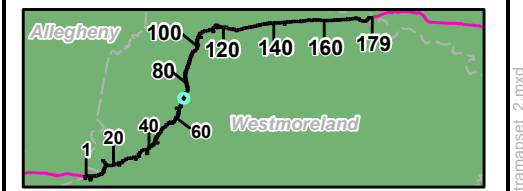
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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  - - - Sheet Boundary

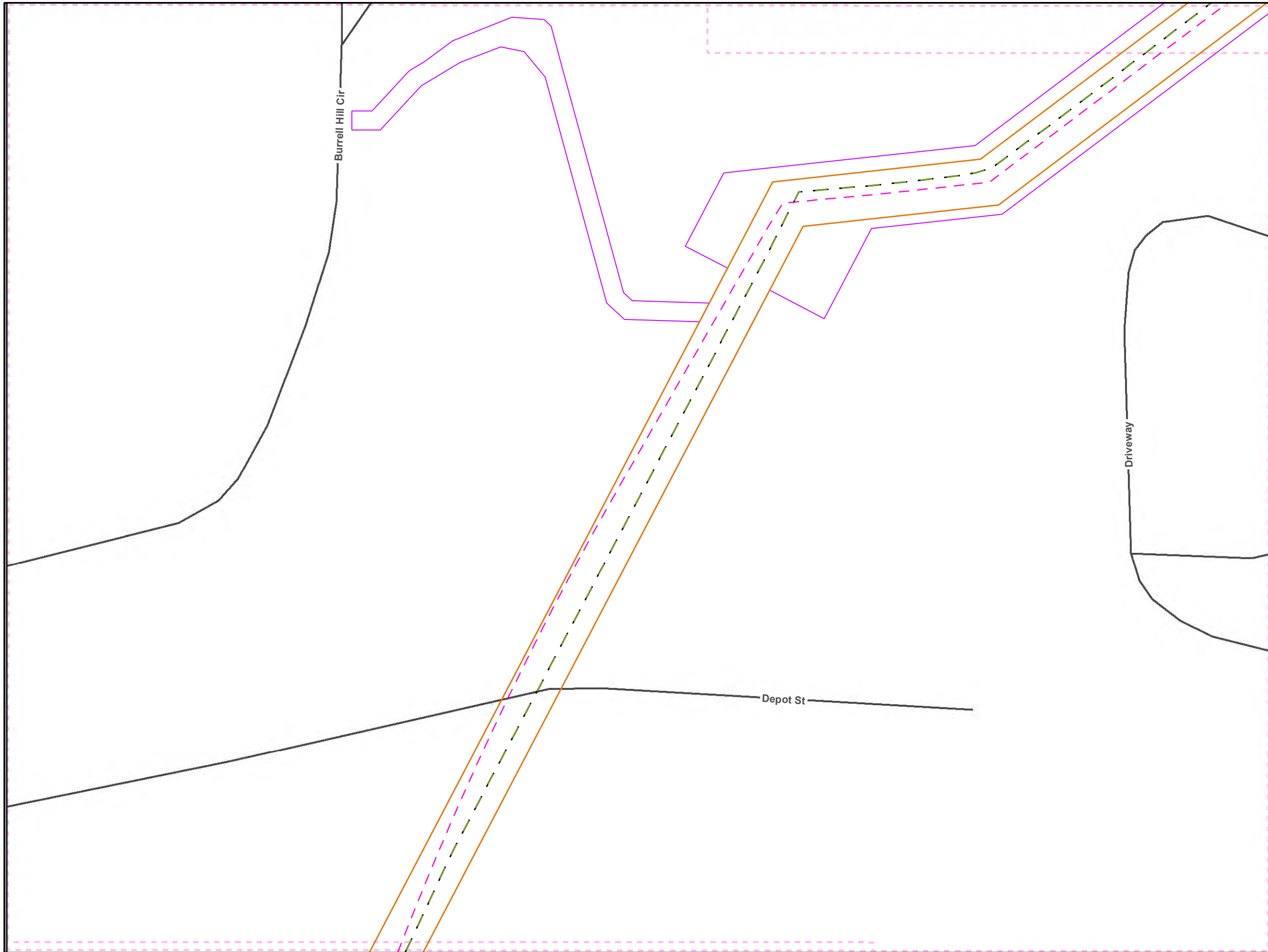


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
72 of 179**

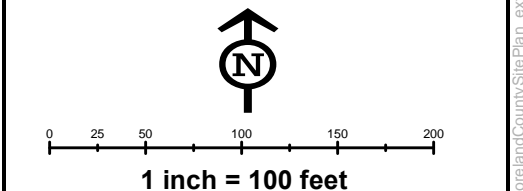
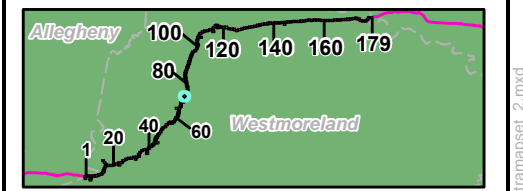
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

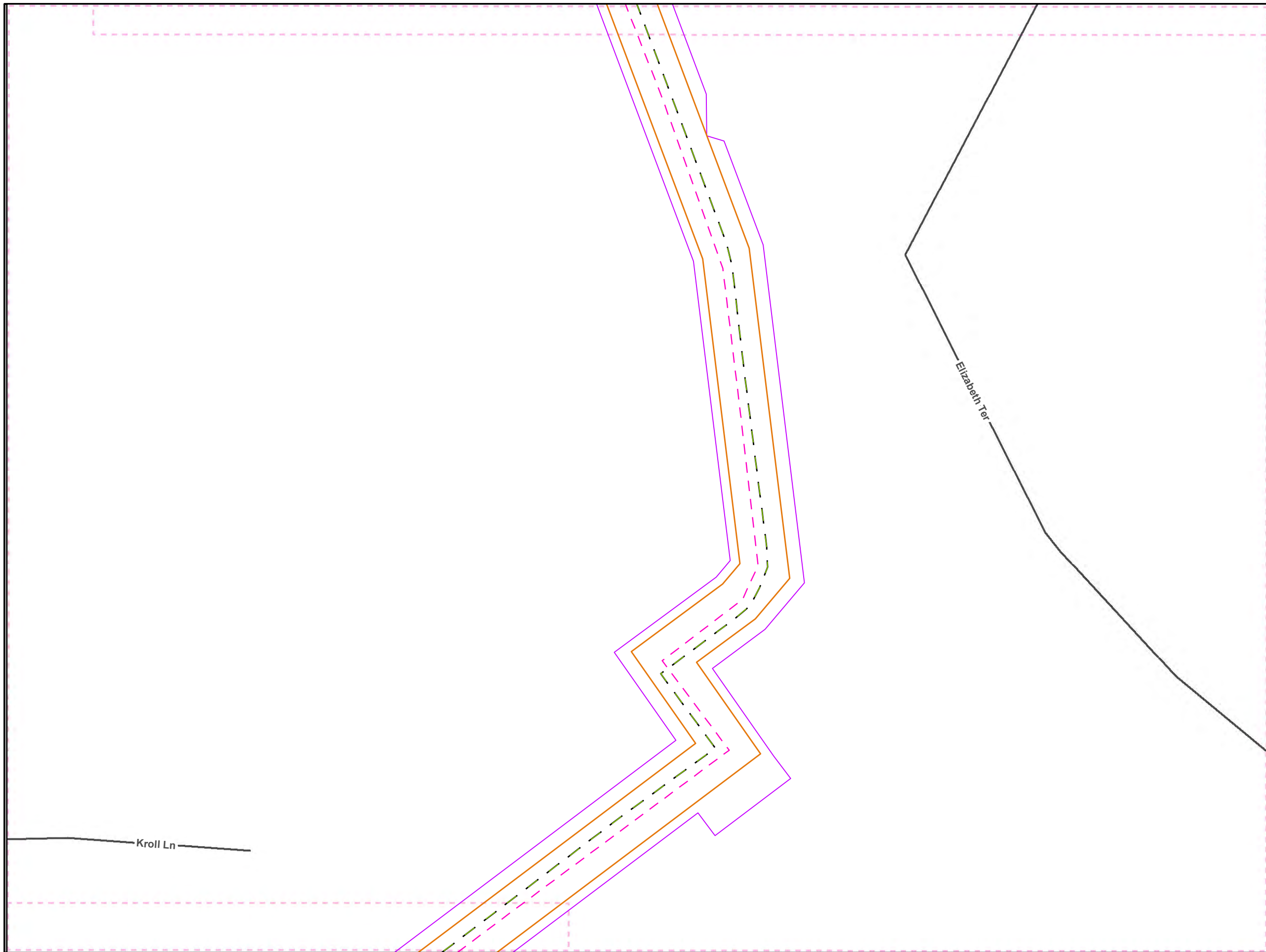


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
73 of 179**

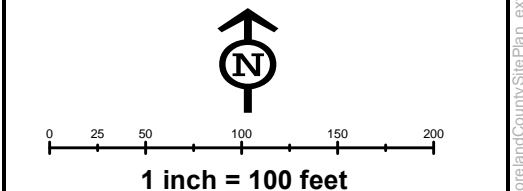
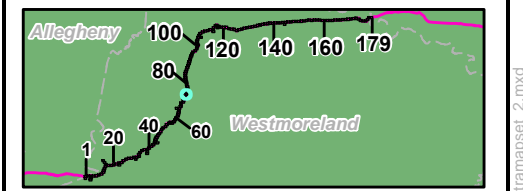
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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  - ⊕ Ch. 106 Floodplain Fringe
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  - - - Sheet Boundary

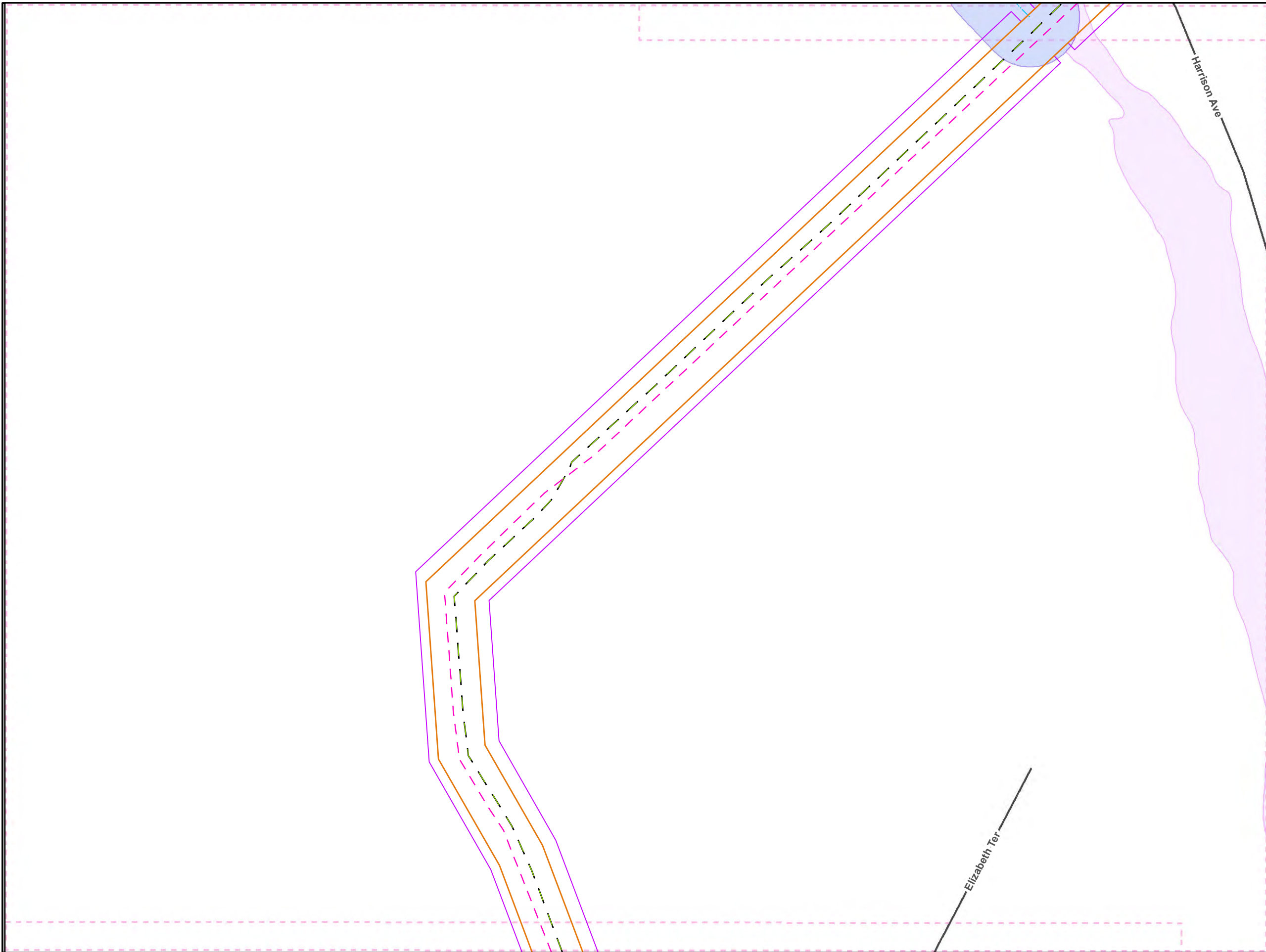


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
74 of 179**

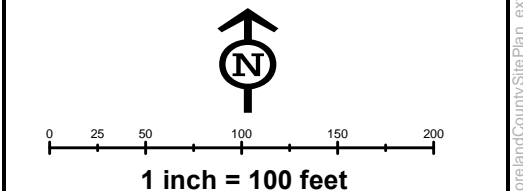
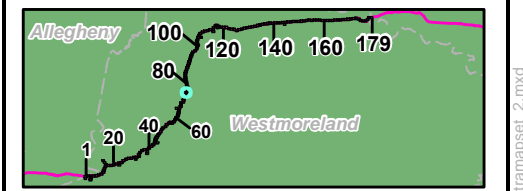
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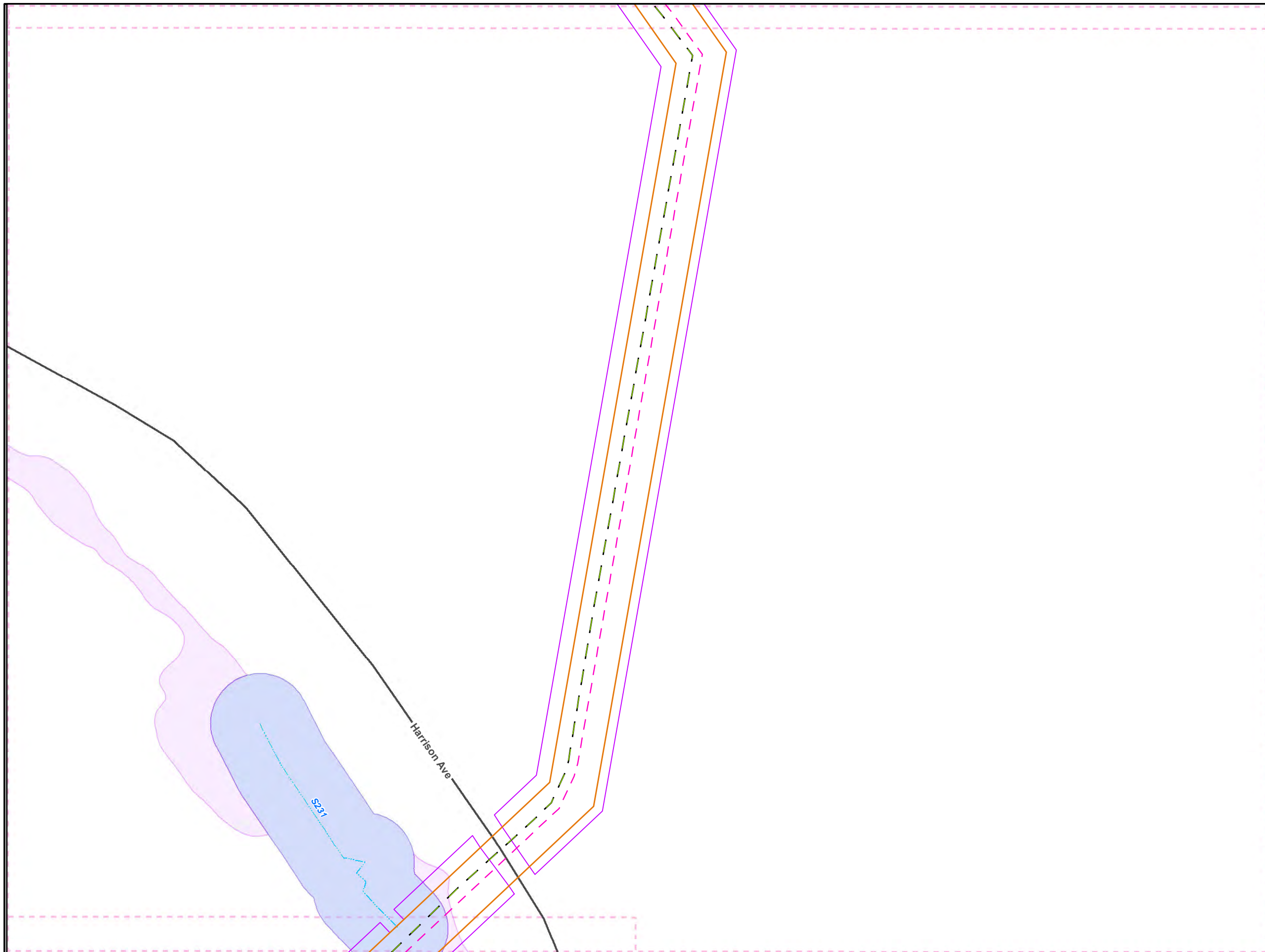


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
75 of 179**

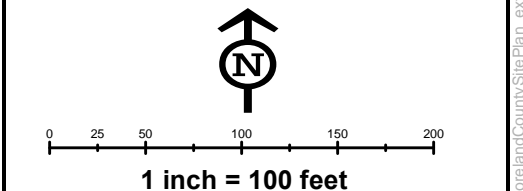
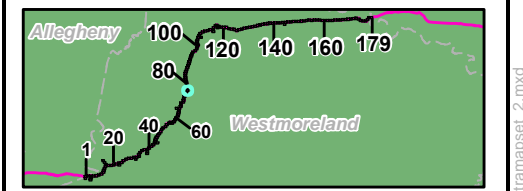
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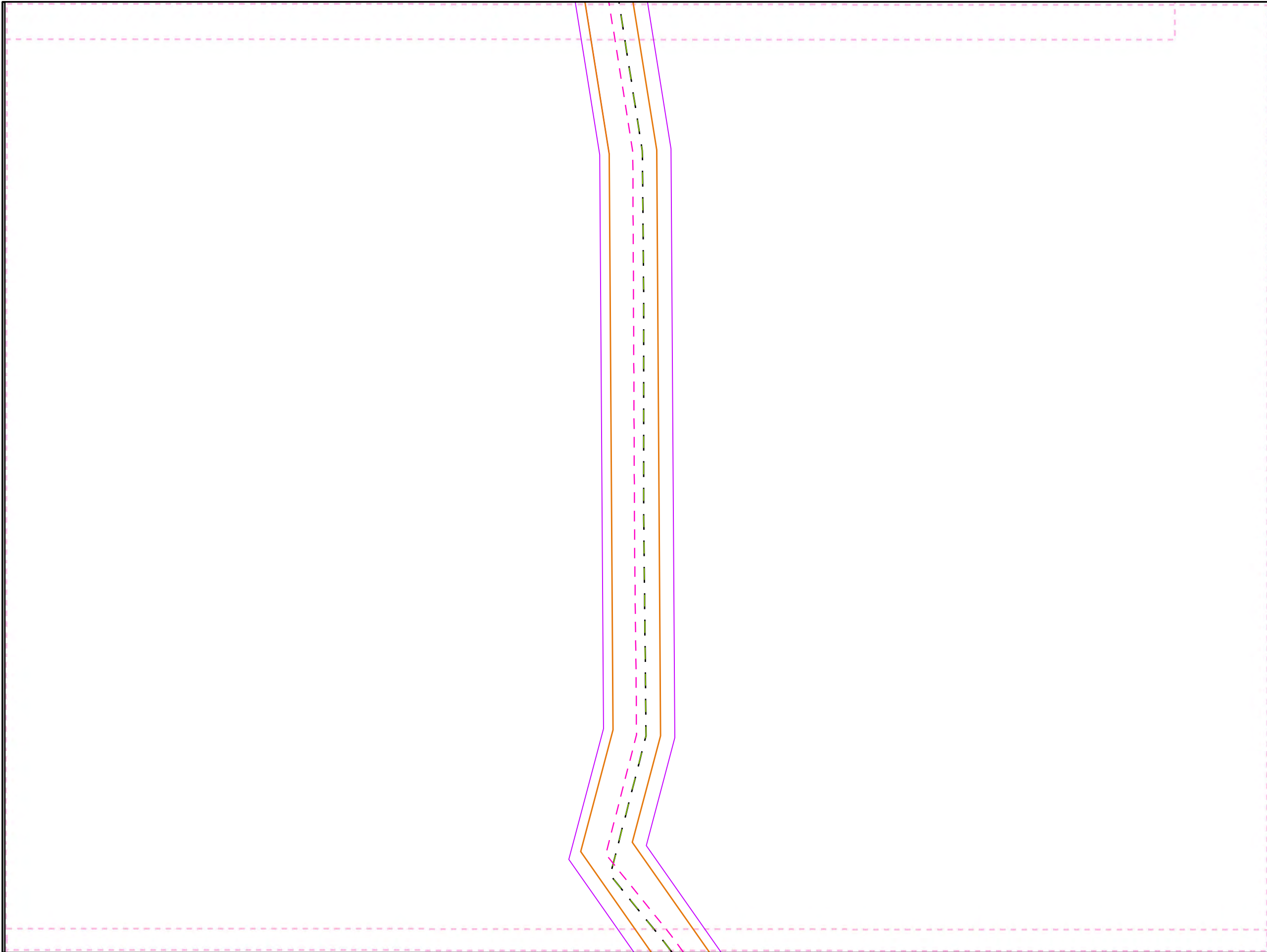


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
76 of 179**

<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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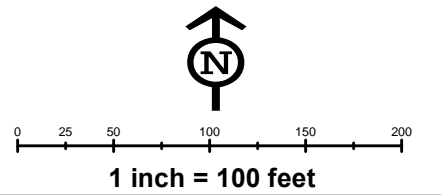
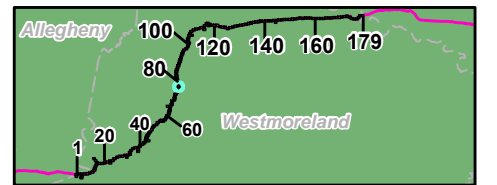
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**Legend**

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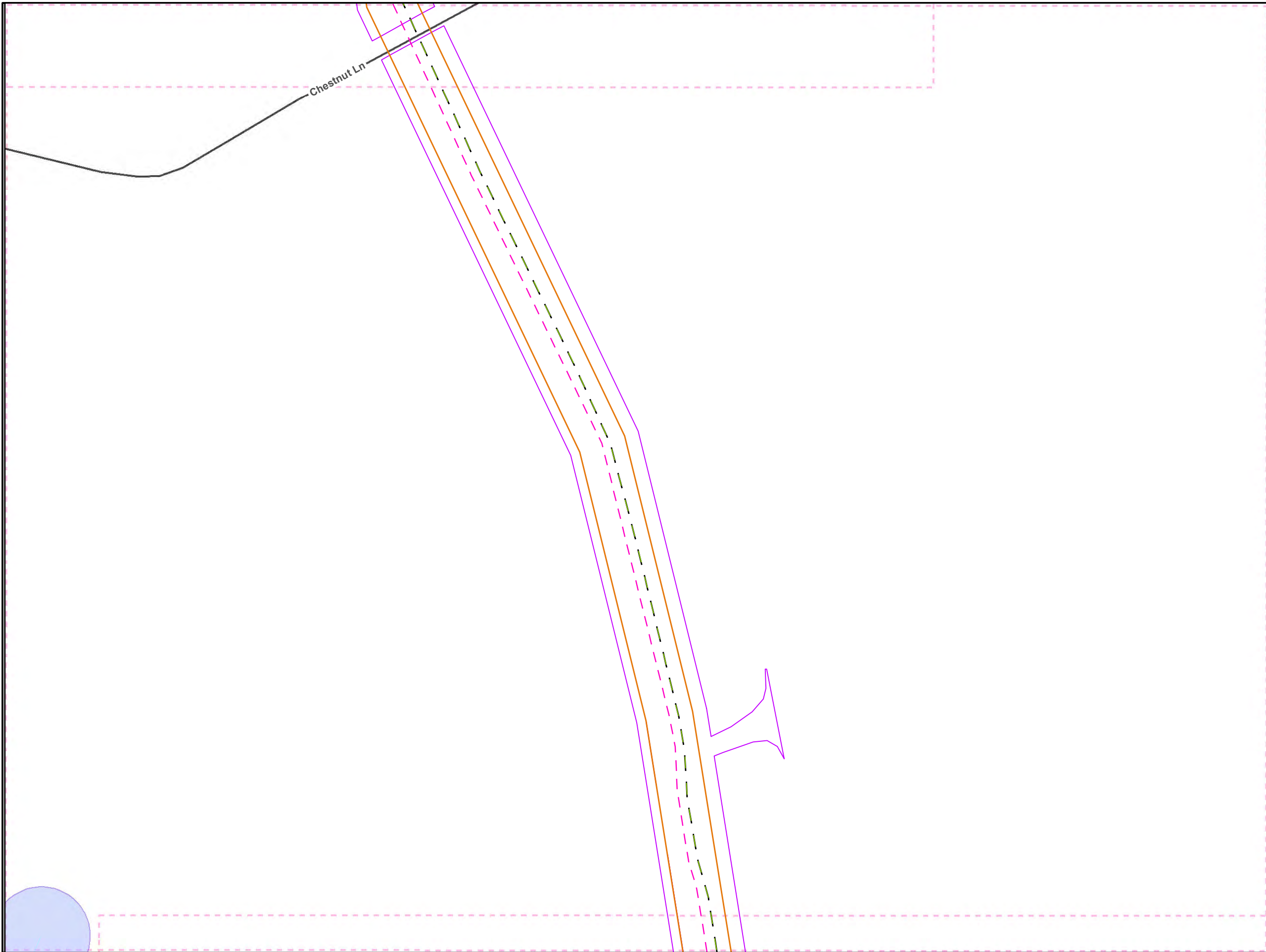


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
77 of 179**

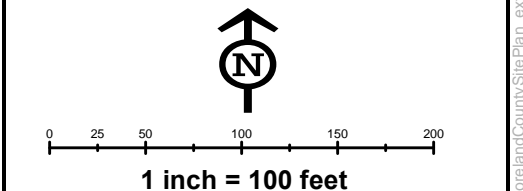
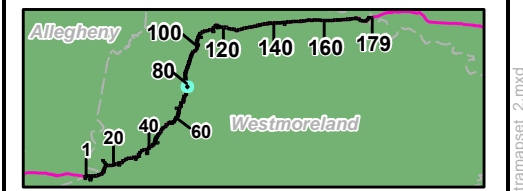
<b>Prepared By:</b> TETRA TECH	<b>Date:</b> 11/2016
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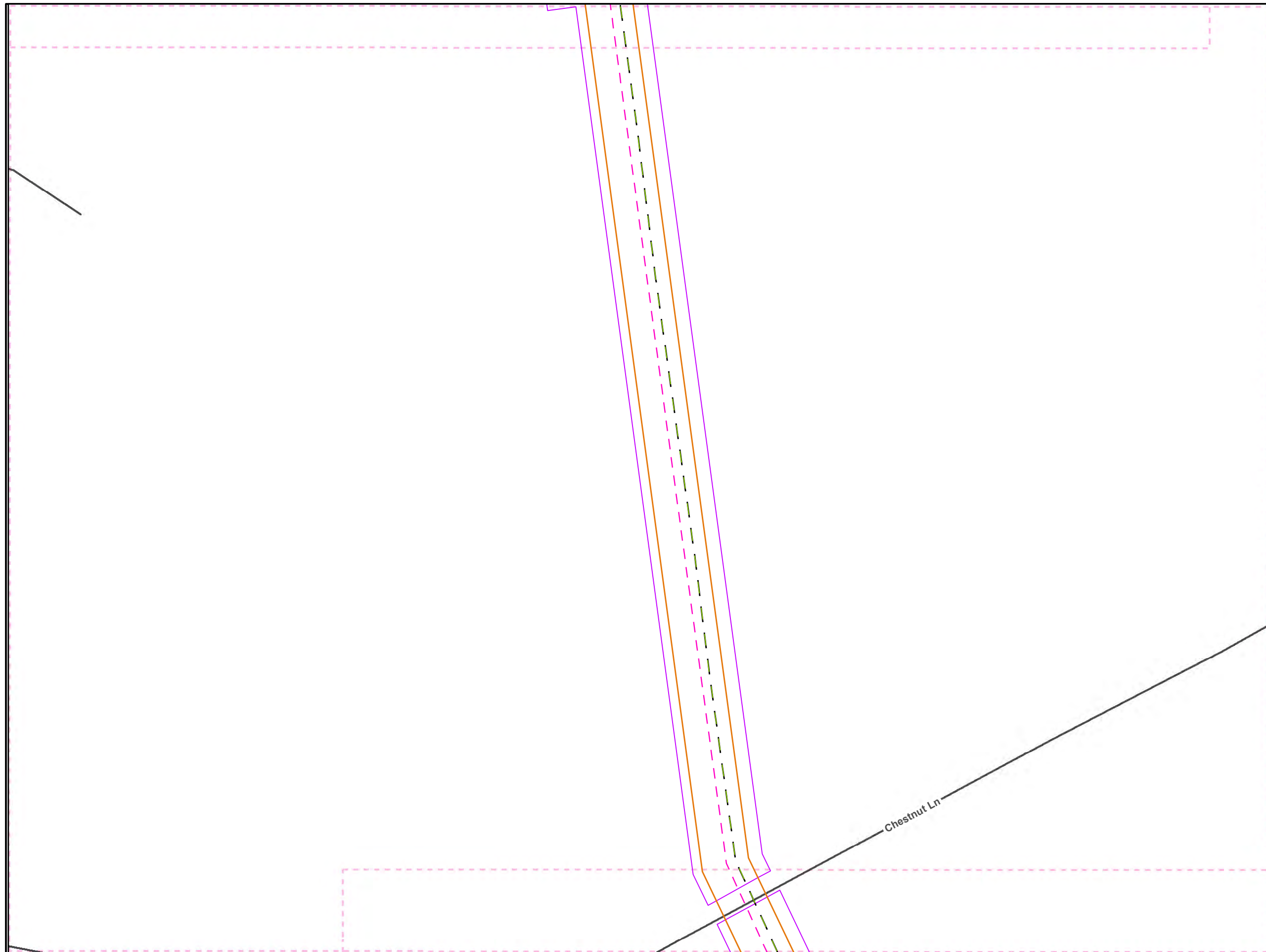


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78 of 179**

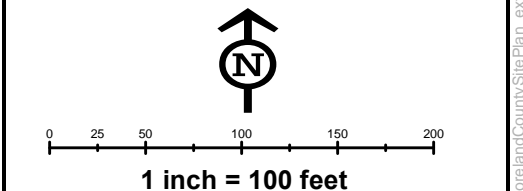
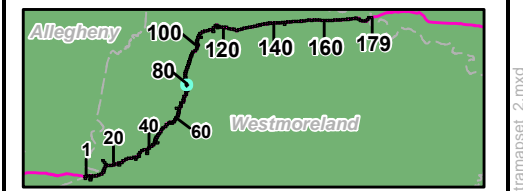
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - / - / - 8" Centerline
  - 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ ~ ~ Ephemeral Stream
  - ~ ~ ~ Intermittent Stream
  - ~ ~ ~ Perennial Stream
  - ⊗ Pond
  - ⊗ PEM Wetland
  - ⊗ PFO Wetland
  - ⊗ PSS Wetland
  - ⊗ Ch. 105 Floodways
  - ⊗ Waived Ch. 105 Floodways
  - ⊗ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

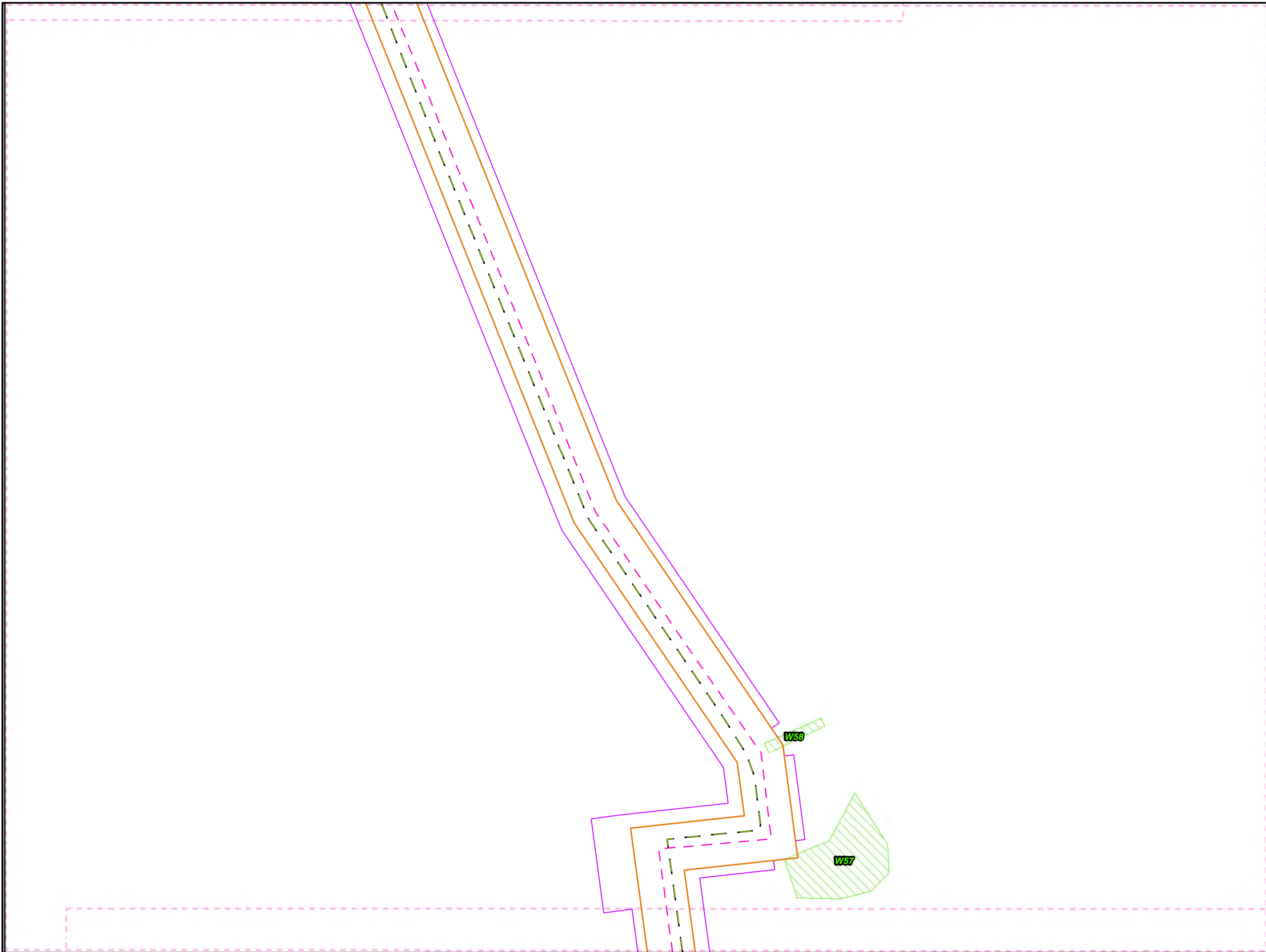


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
79 of 179**

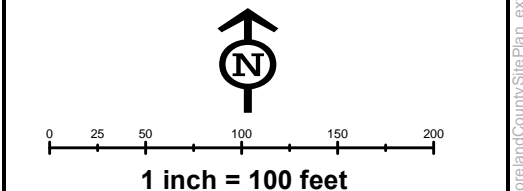
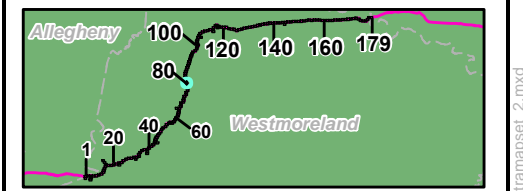
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
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  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

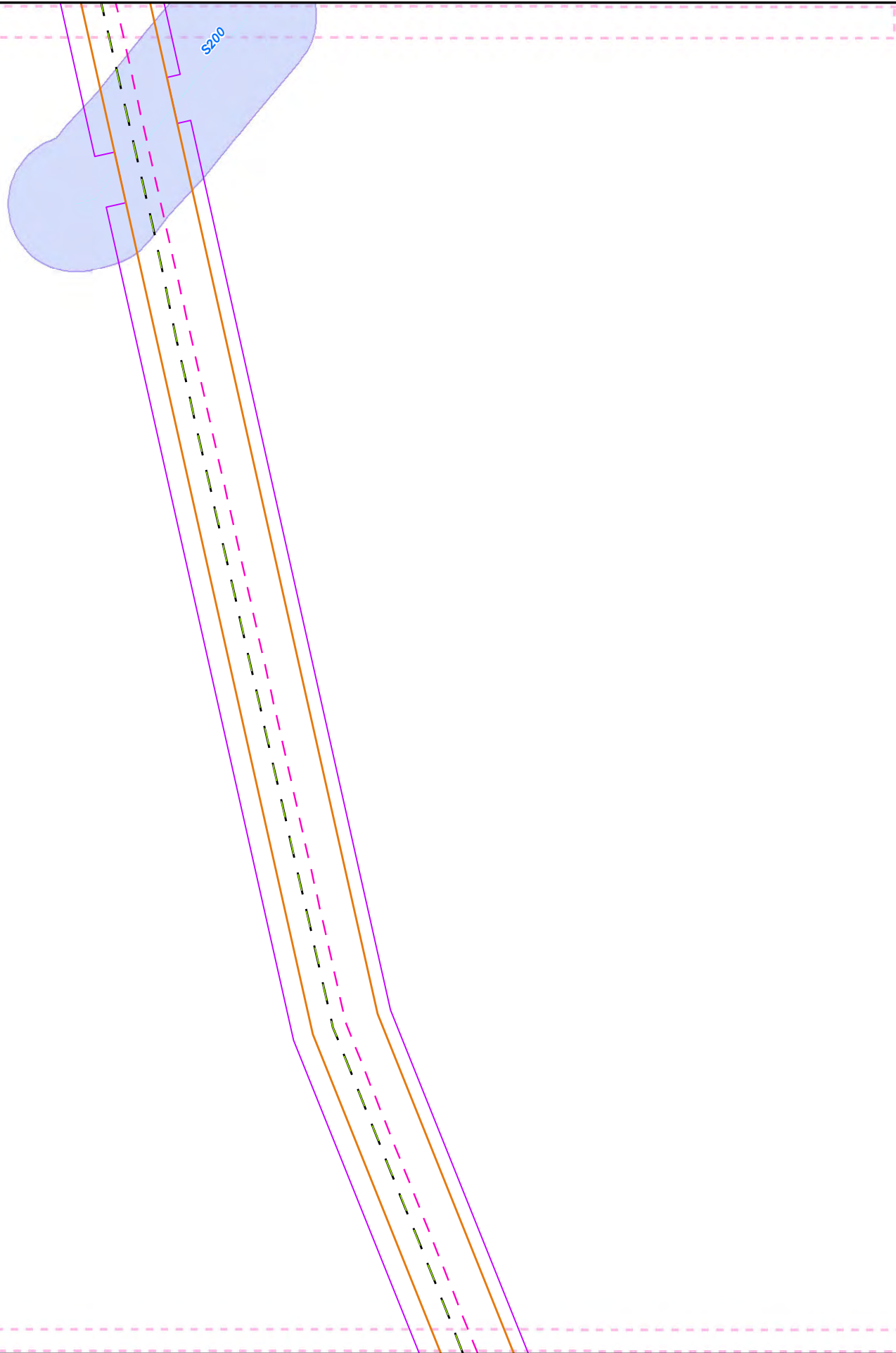


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
80 of 179**

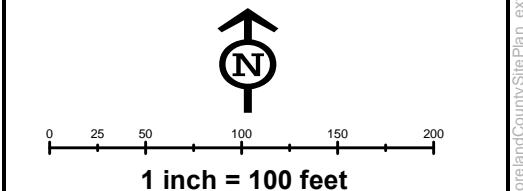
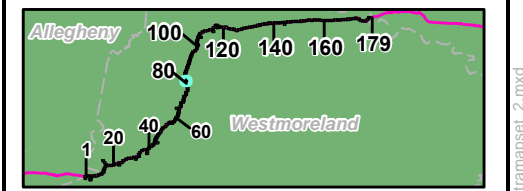
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
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  - - - 8" Centerline
  - 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
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  - ~ ~ ~ Intermittent Stream
  - ~ ~ ~ Perennial Stream
  - ~ ~ ~ Pond
  - ~ ~ ~ PEM Wetland
  - ~ ~ ~ PFO Wetland
  - ~ ~ ~ PSS Wetland
  - ~ ~ ~ Ch. 105 Floodways
  - ~ ~ ~ Waived Ch. 105 Floodways
  - ~ ~ ~ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

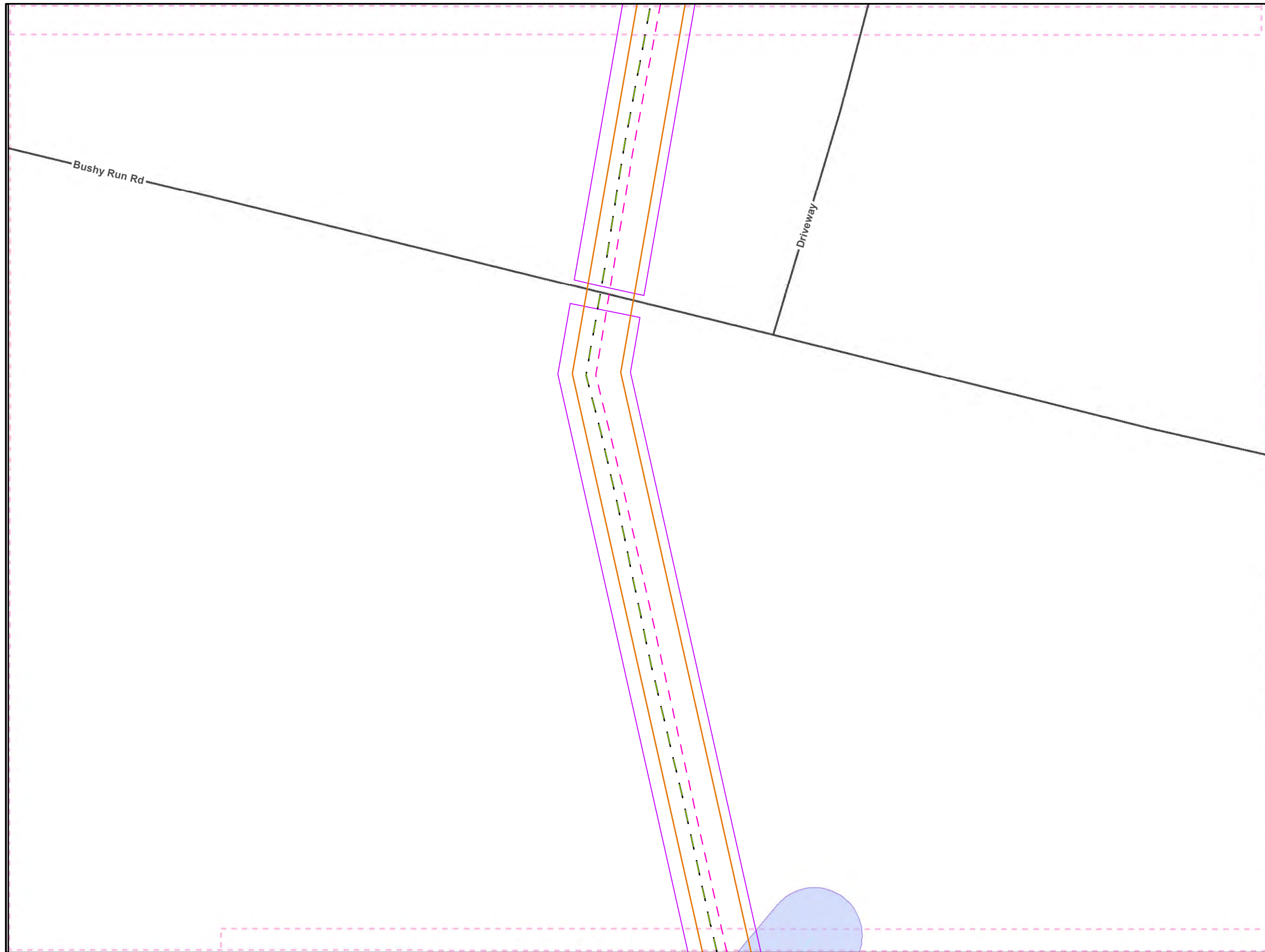


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
81 of 179**

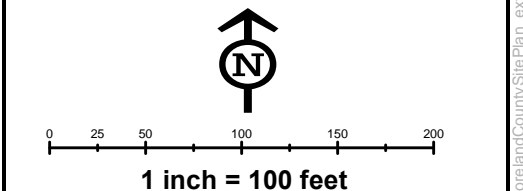
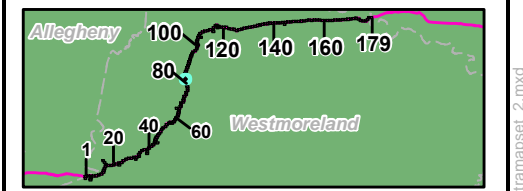
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
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  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
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  - ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
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  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

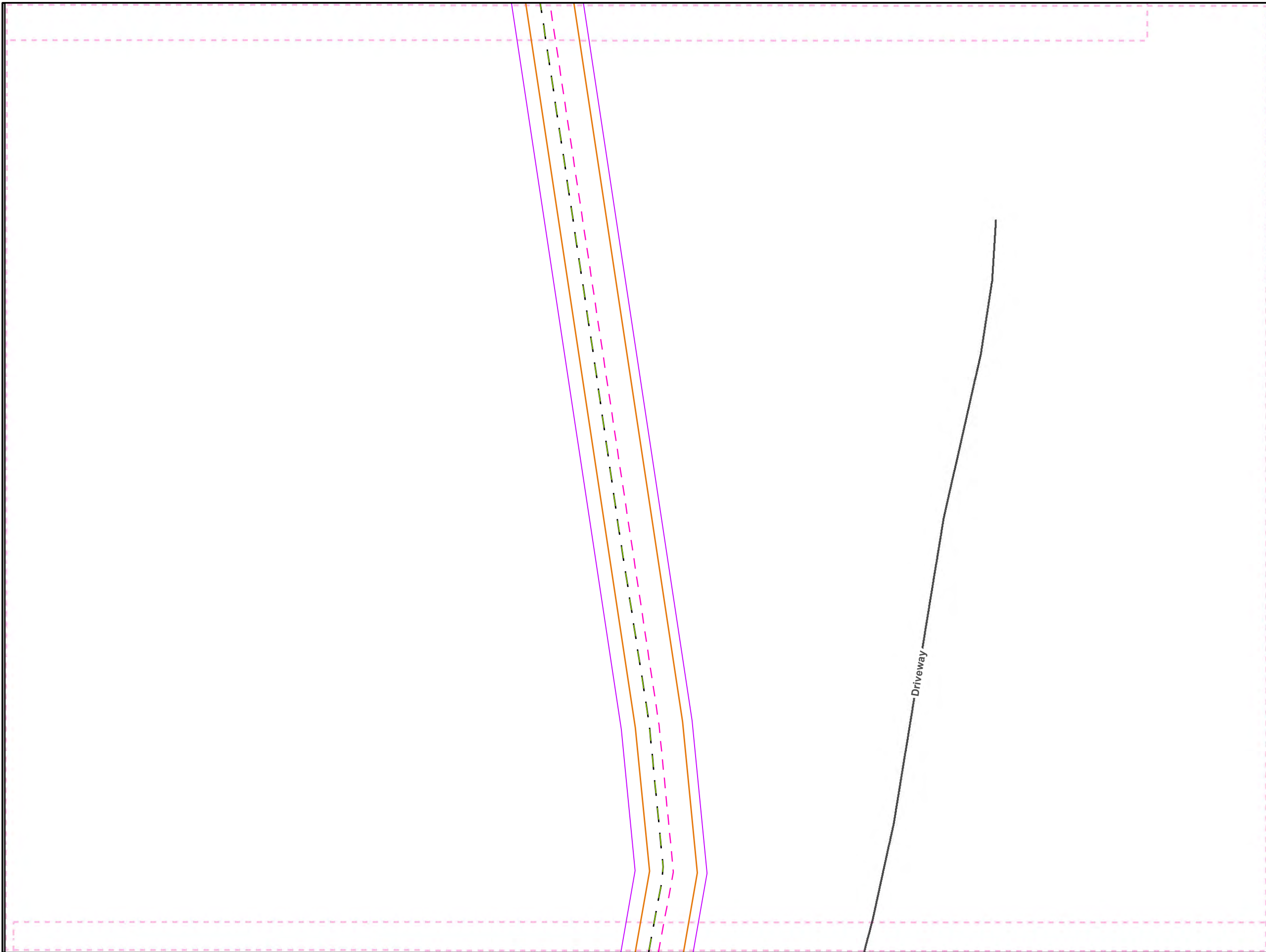


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA. 82 of 179**

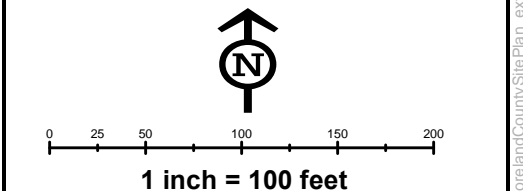
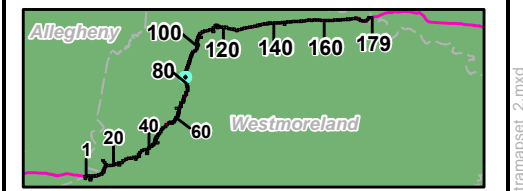
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

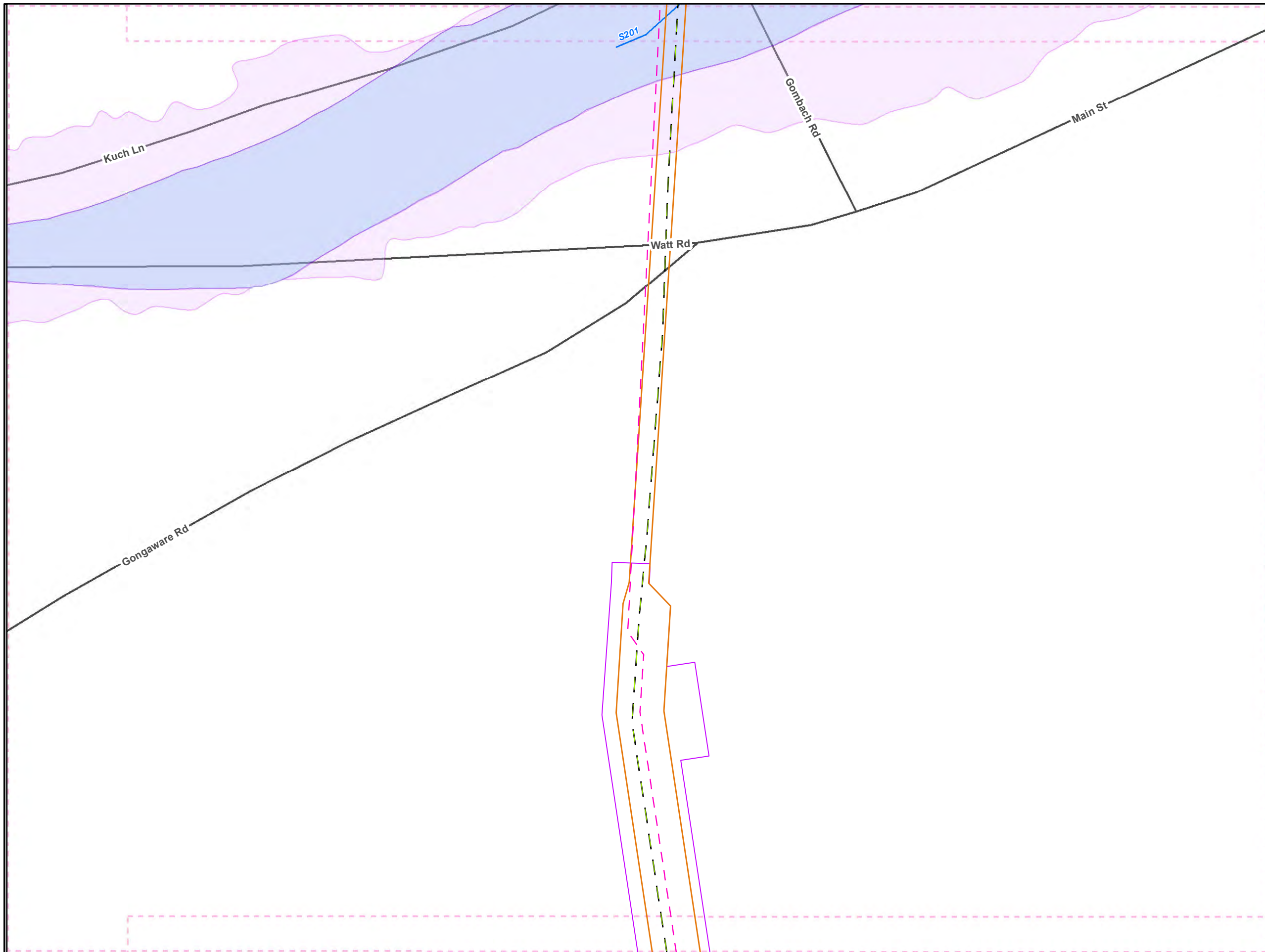


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
83 of 179**

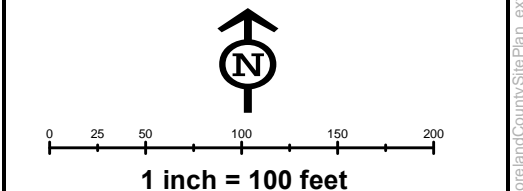
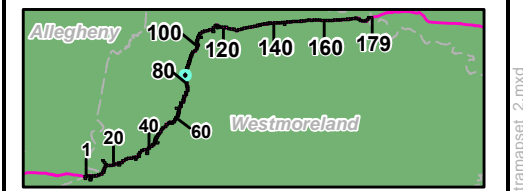
<b>Prepared By:</b> <b>TETRA TECH</b>	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
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  - ~ Perennial Stream
  - Pond
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  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

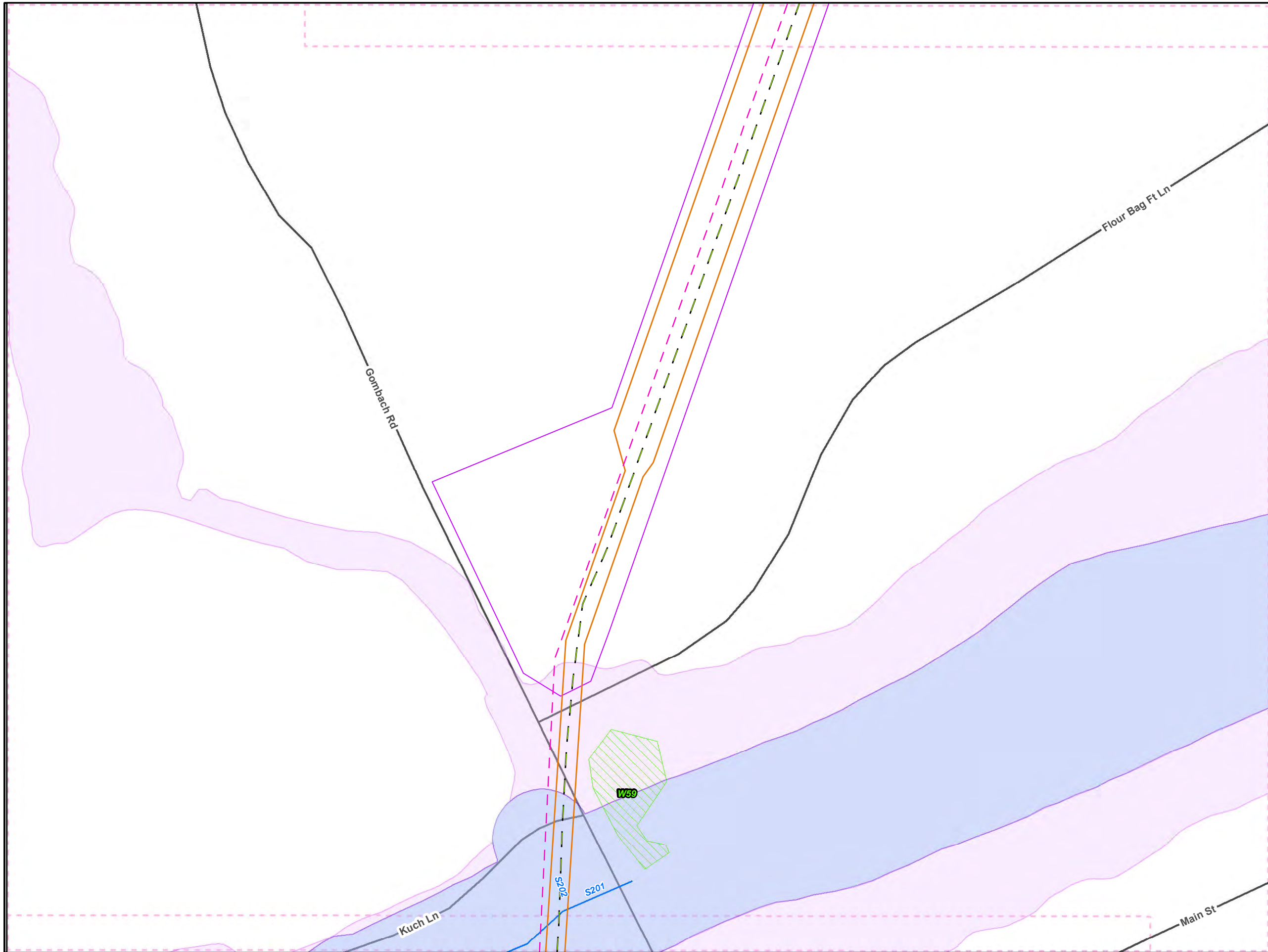


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
84 of 179**

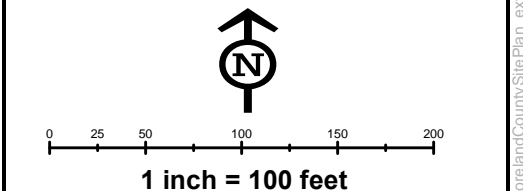
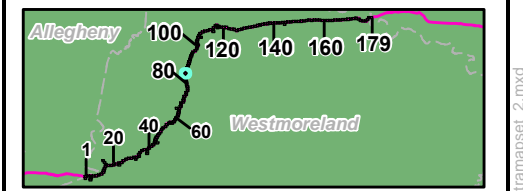
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
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  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

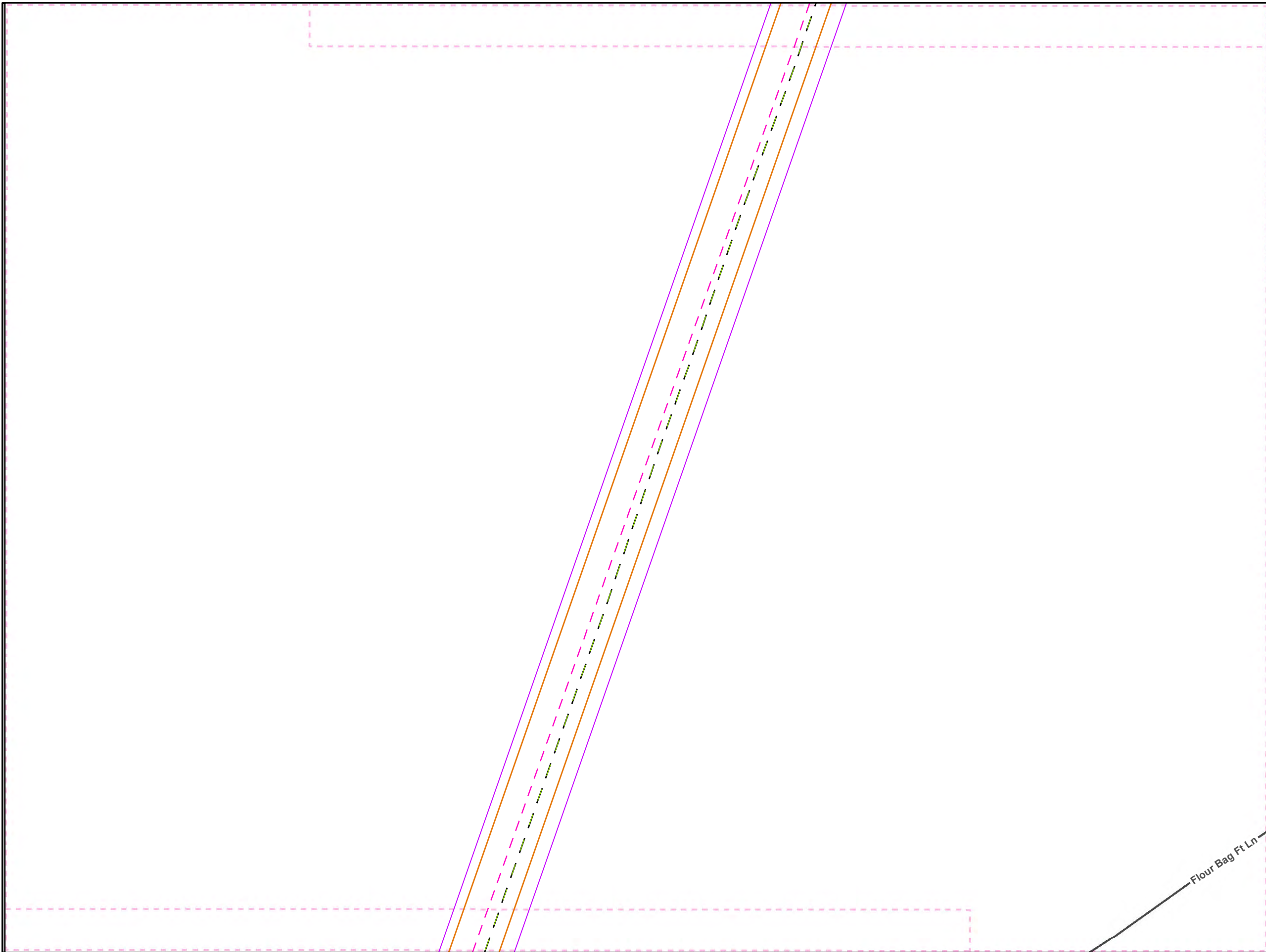


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
85 of 179**

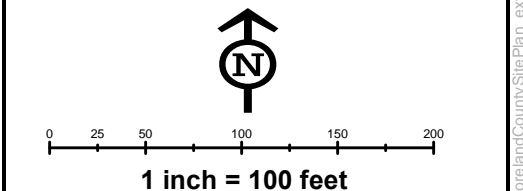
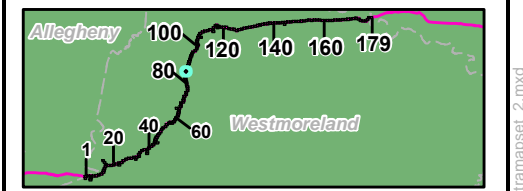
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
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  - ▭ ME1 12" Perm ROW
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  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

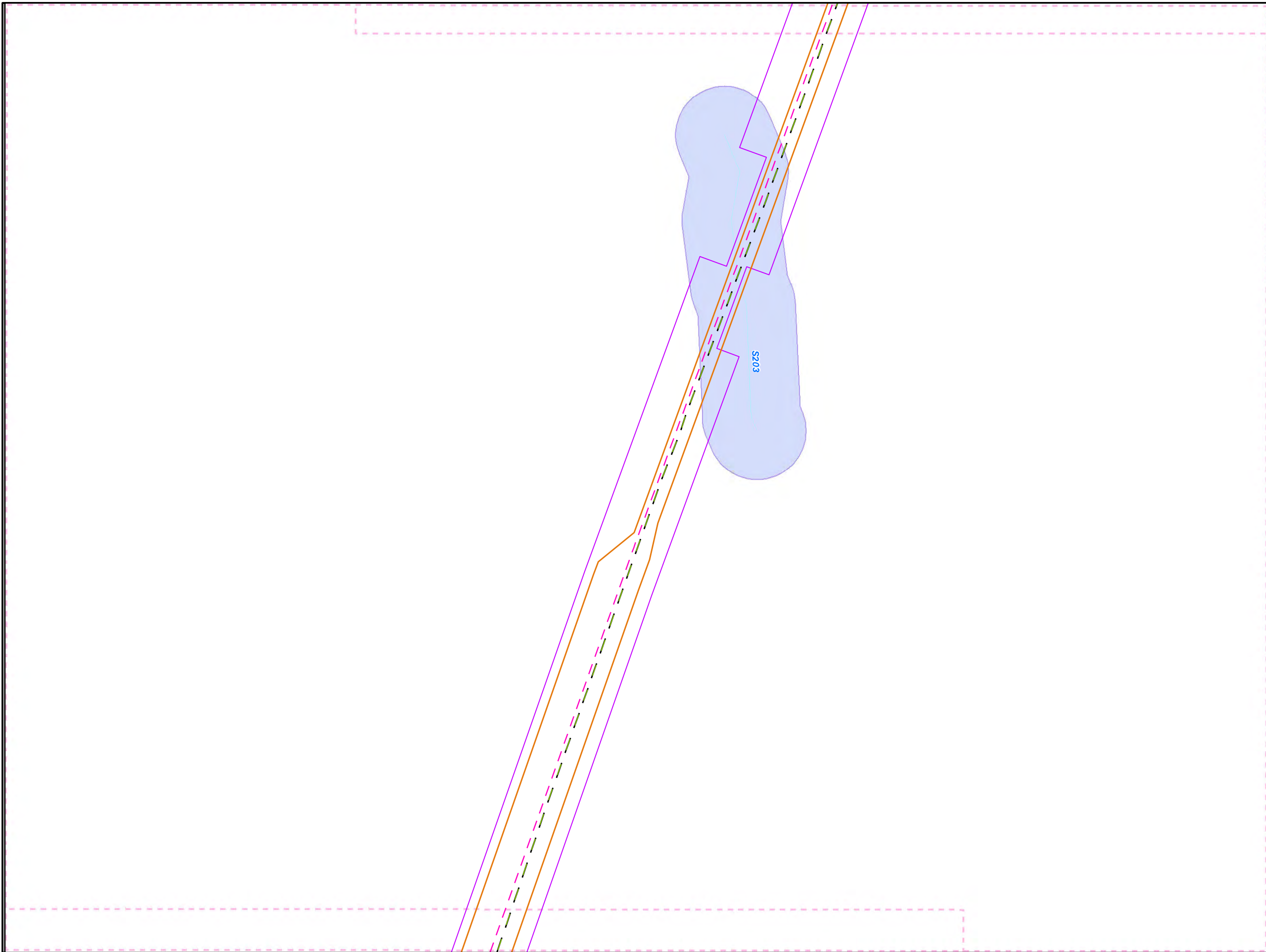


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA. 86 of 179**

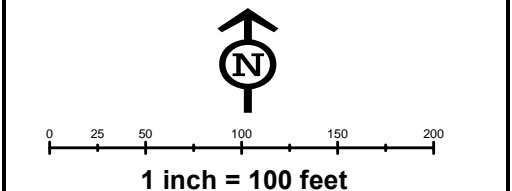
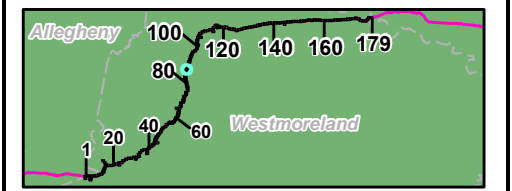
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - / \ / \ 8" Centerline
  - 8" Pipeline Maintenance Corridor
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  - ⊗ Ch. 105 Floodways
  - ⊗ Waived Ch. 105 Floodways
  - ⊗ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

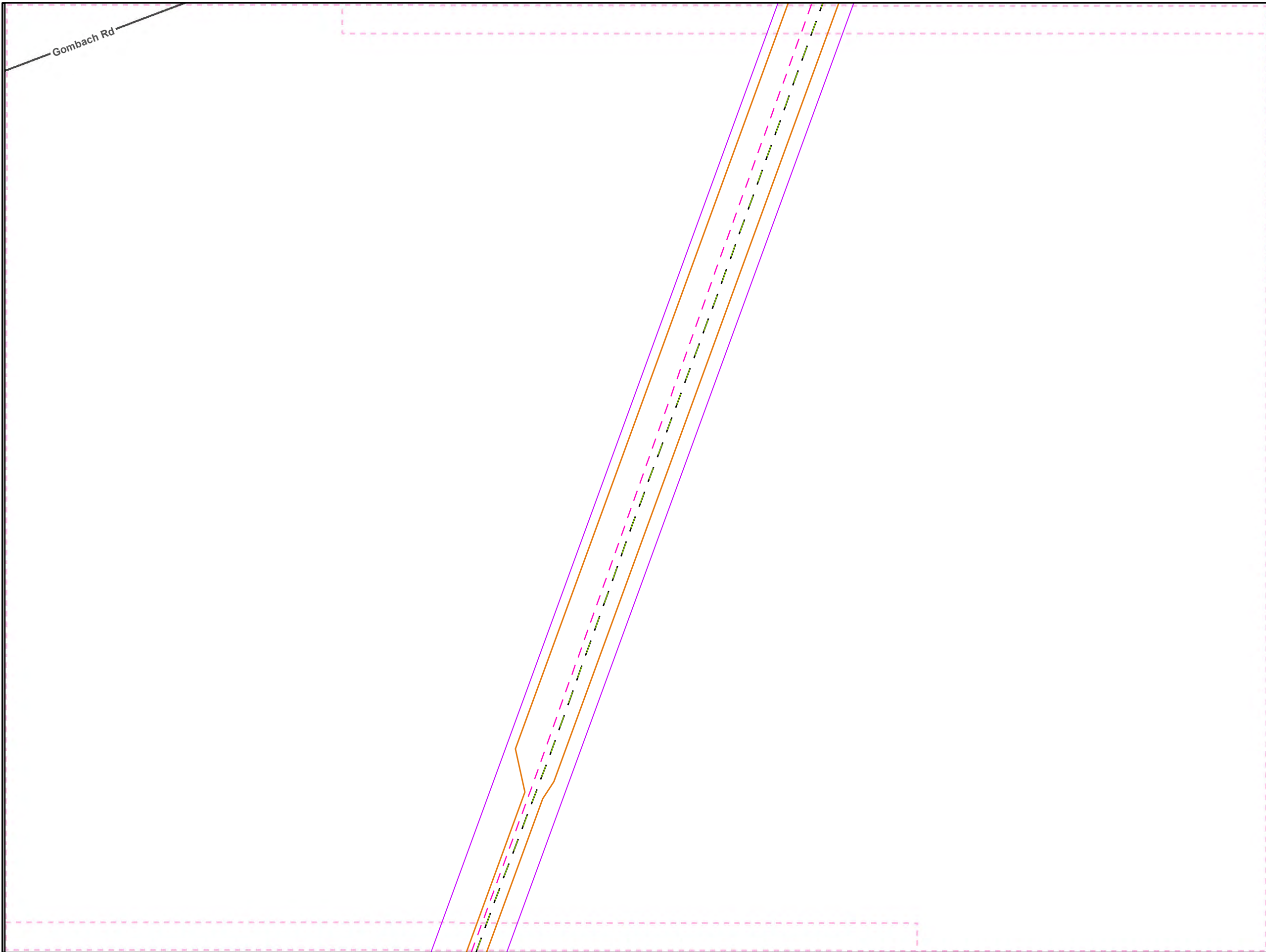


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
87 of 179**

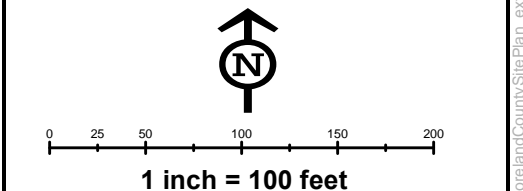
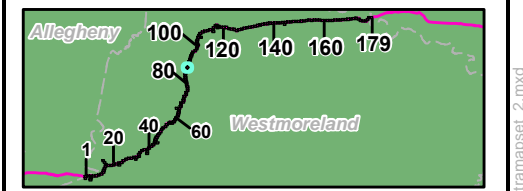
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
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  - / - / - 8" Centerline
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  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

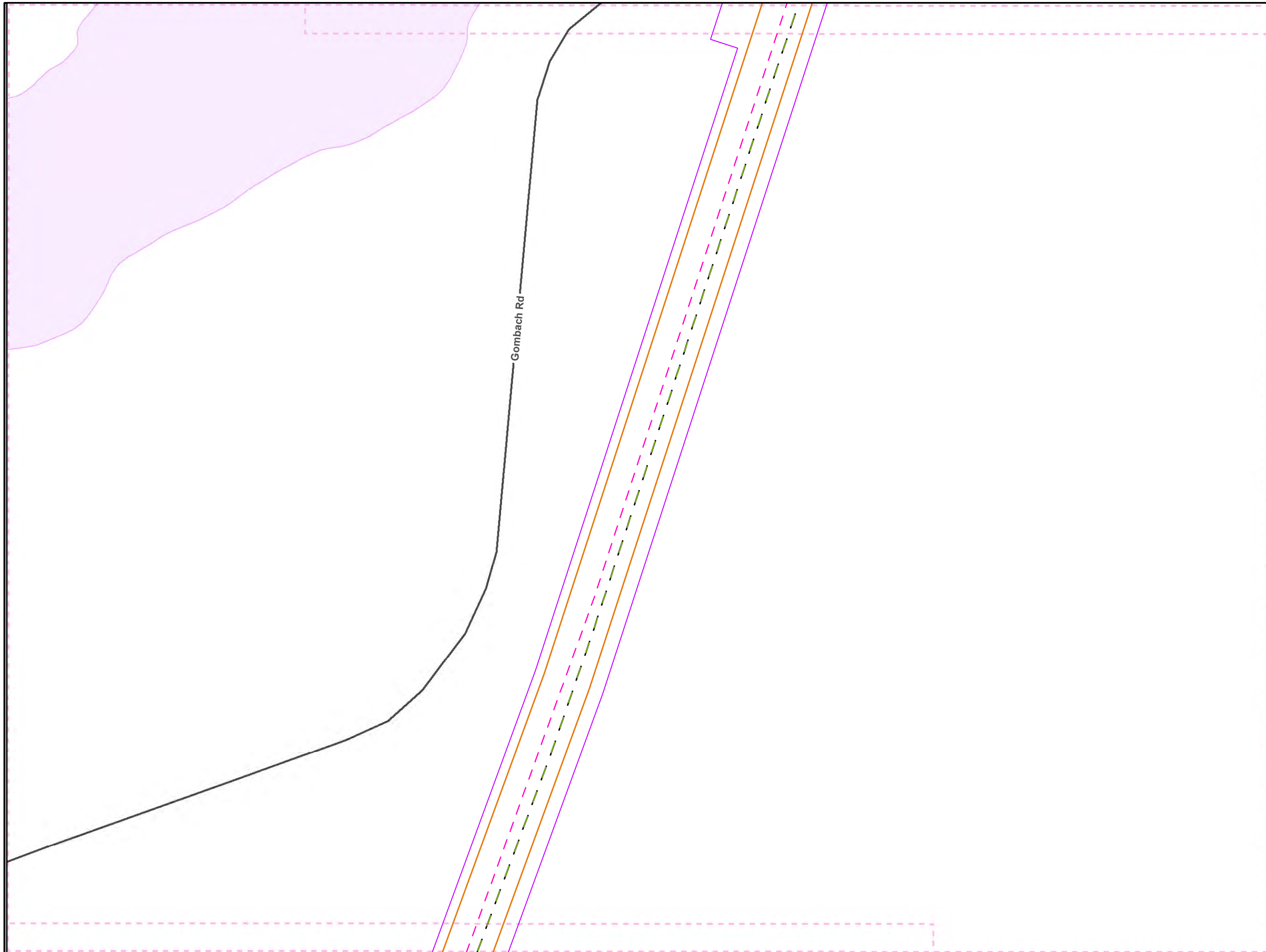


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
88 of 179**

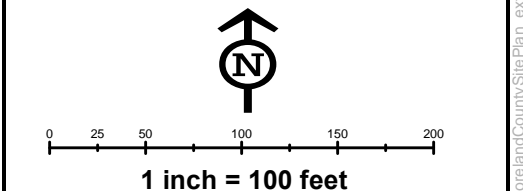
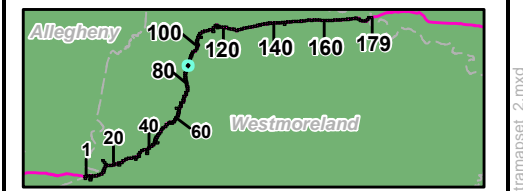
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
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  - ~ ~ ~ Ch. 105 Floodways
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  - ~ ~ ~ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

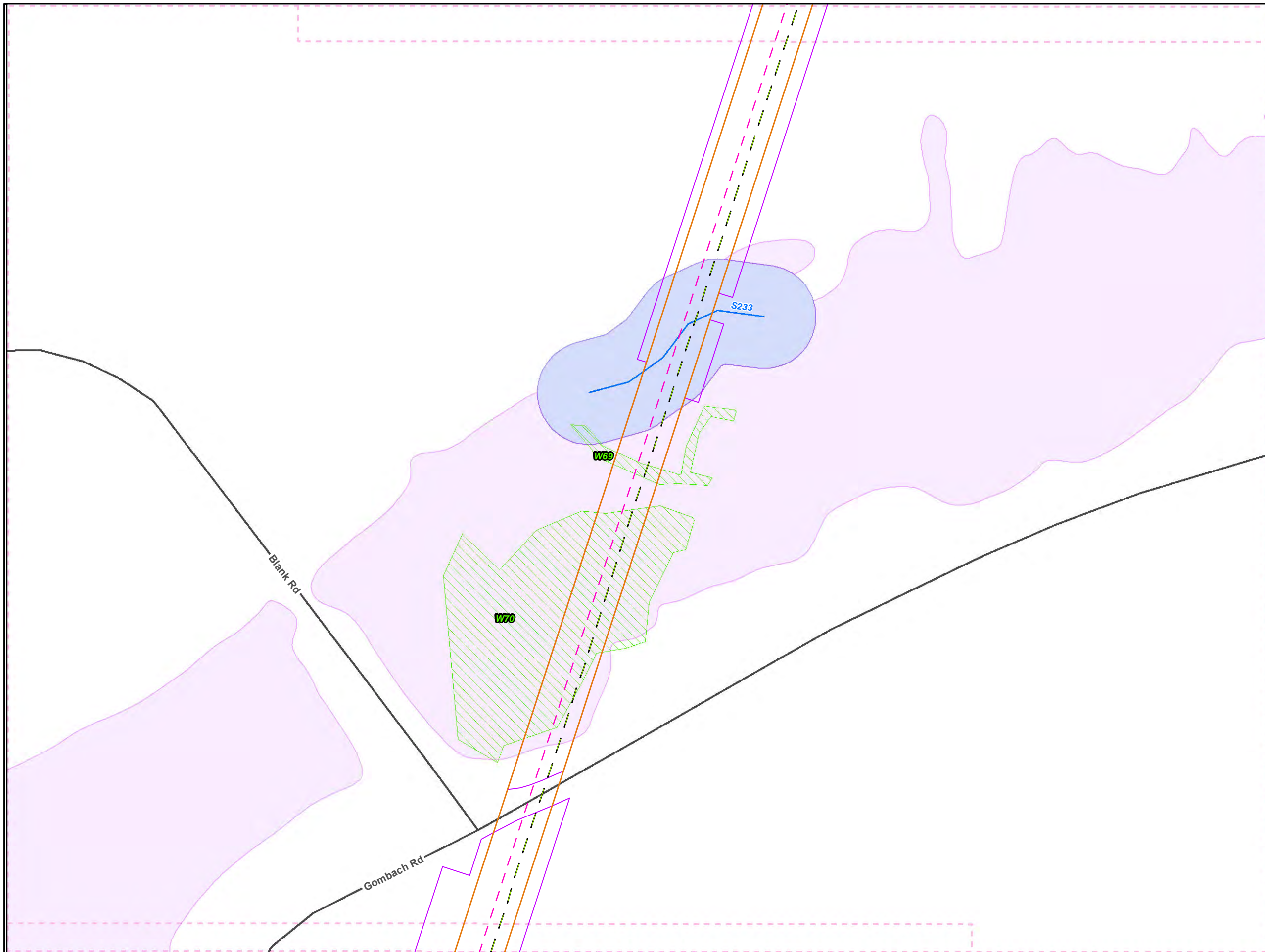


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
89 of 179**

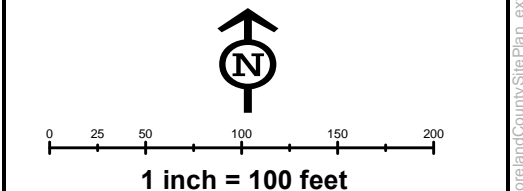
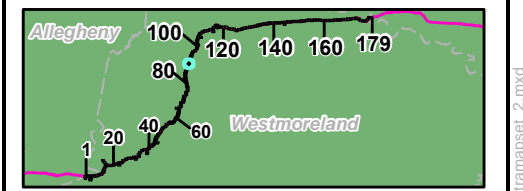
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
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  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

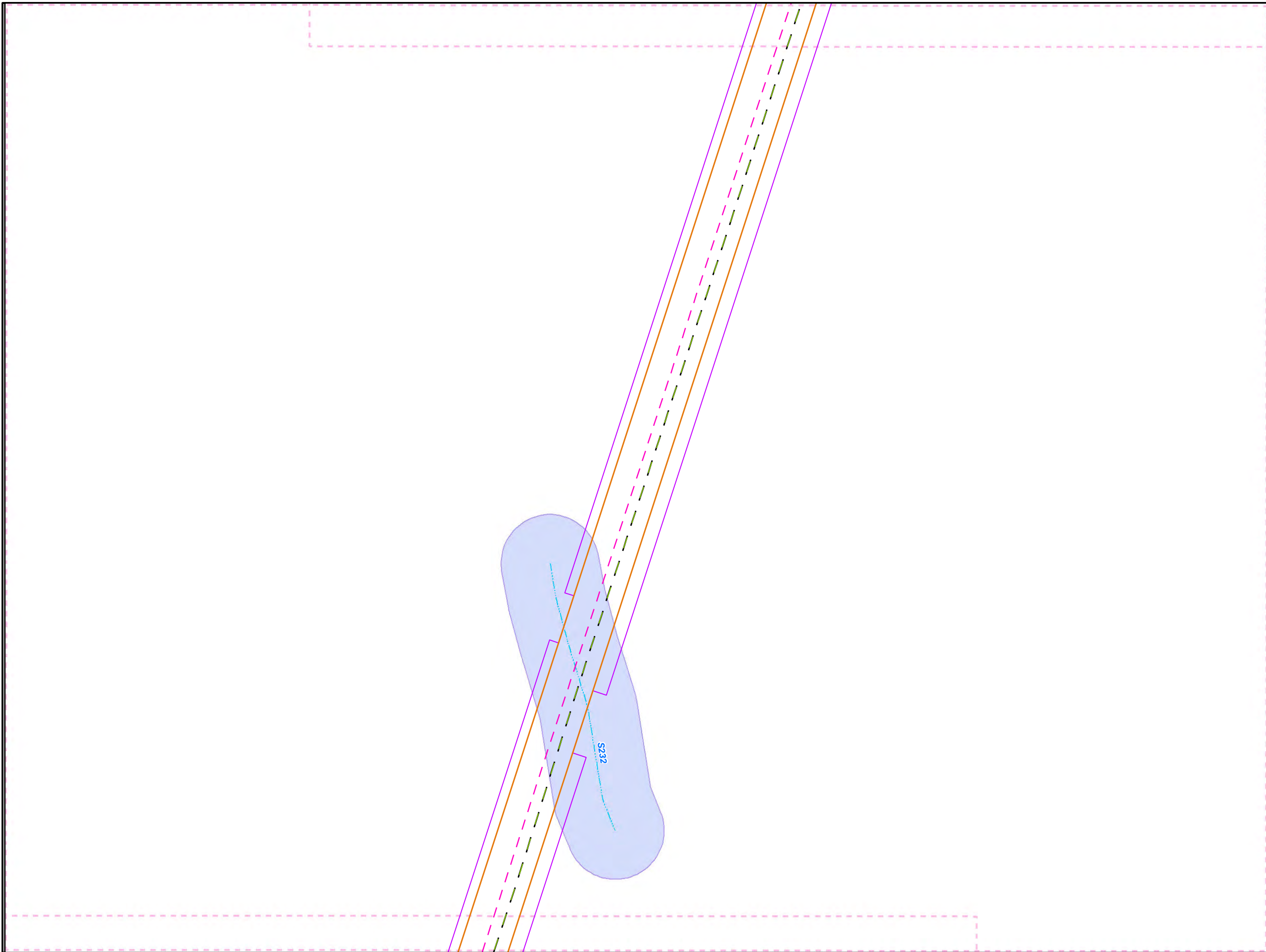


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
90 of 179**

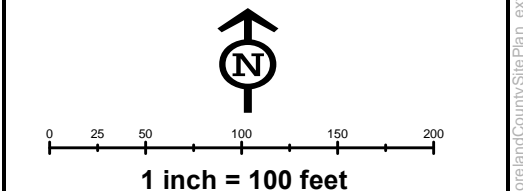
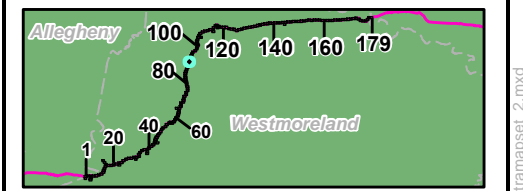
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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- Legend**
- PPP 1
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  - 8" Centerline
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  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

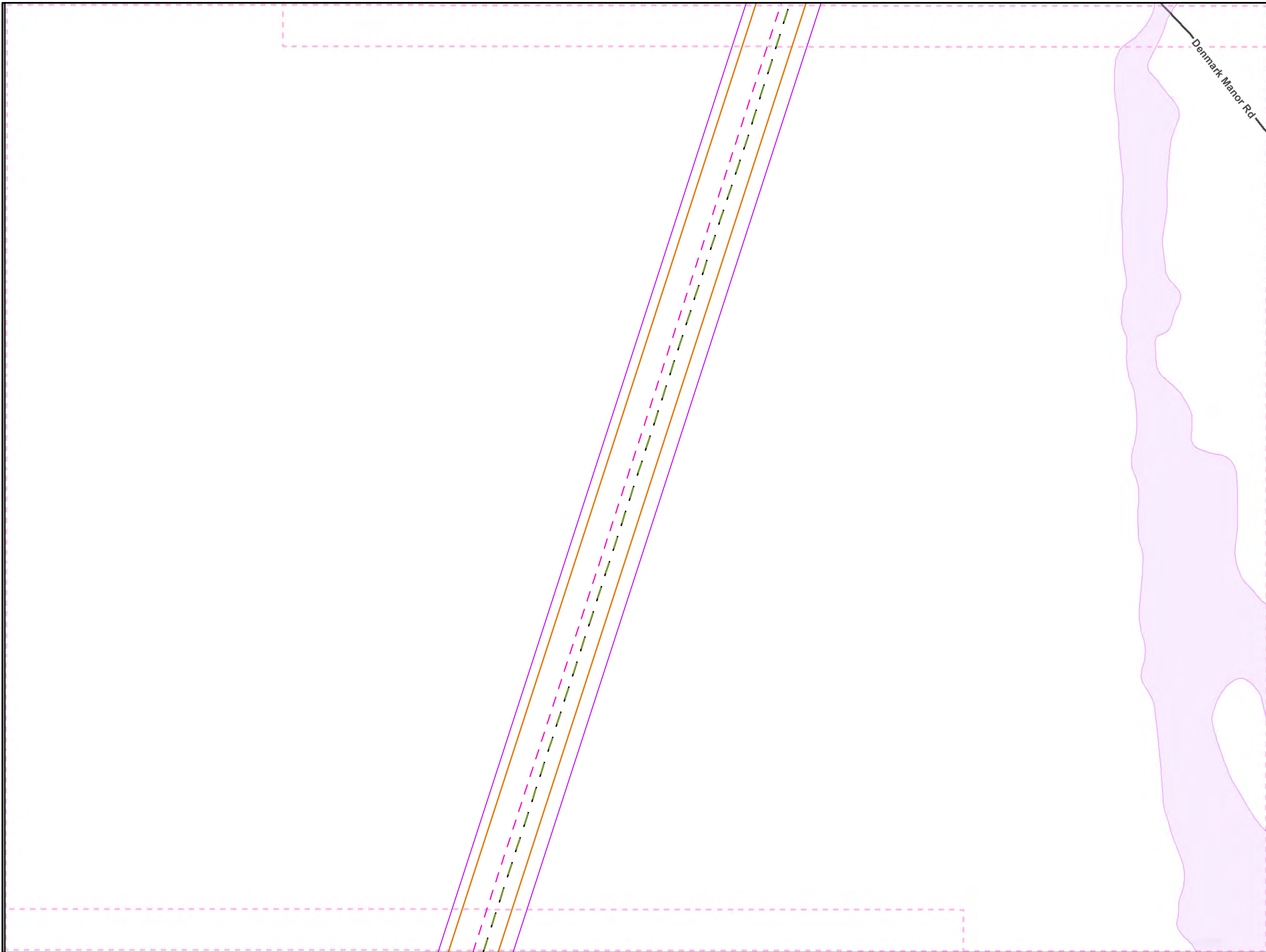


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
91 of 179**

<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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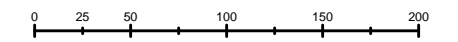
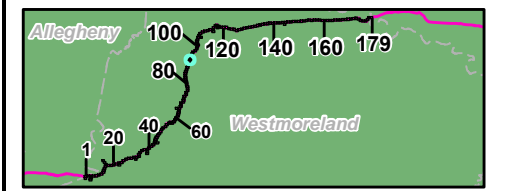
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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Denmark Manor Rd

- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ ~ ~ Ephemeral Stream
  - ~ ~ ~ Intermittent Stream
  - ~ ~ ~ Perennial Stream
  - ⊗ Pond
  - ⊗ PEM Wetland
  - ⊗ PFO Wetland
  - ⊗ PSS Wetland
  - ⊗ Ch. 105 Floodways
  - ⊗ Waived Ch. 105 Floodways
  - ⊗ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary



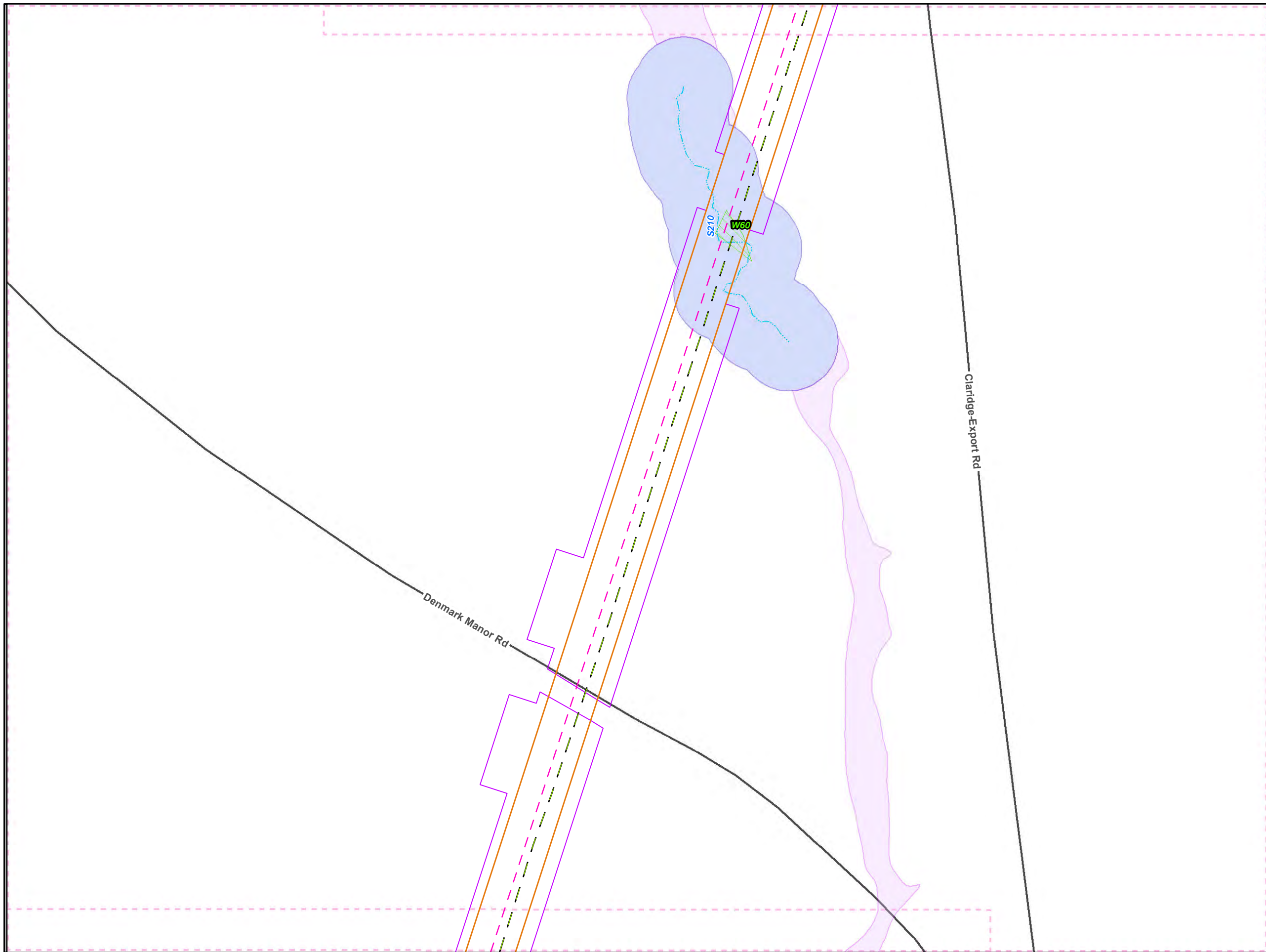
1 inch = 100 feet

**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA. 92 of 179**

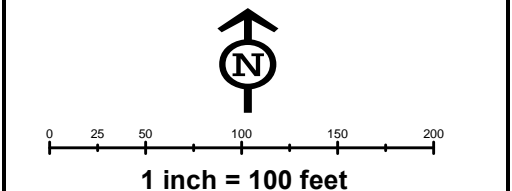
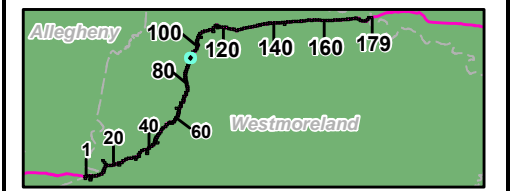
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - ⊕ Pond
  - ⊕ PEM Wetland
  - ⊕ PFO Wetland
  - ⊕ PSS Wetland
  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

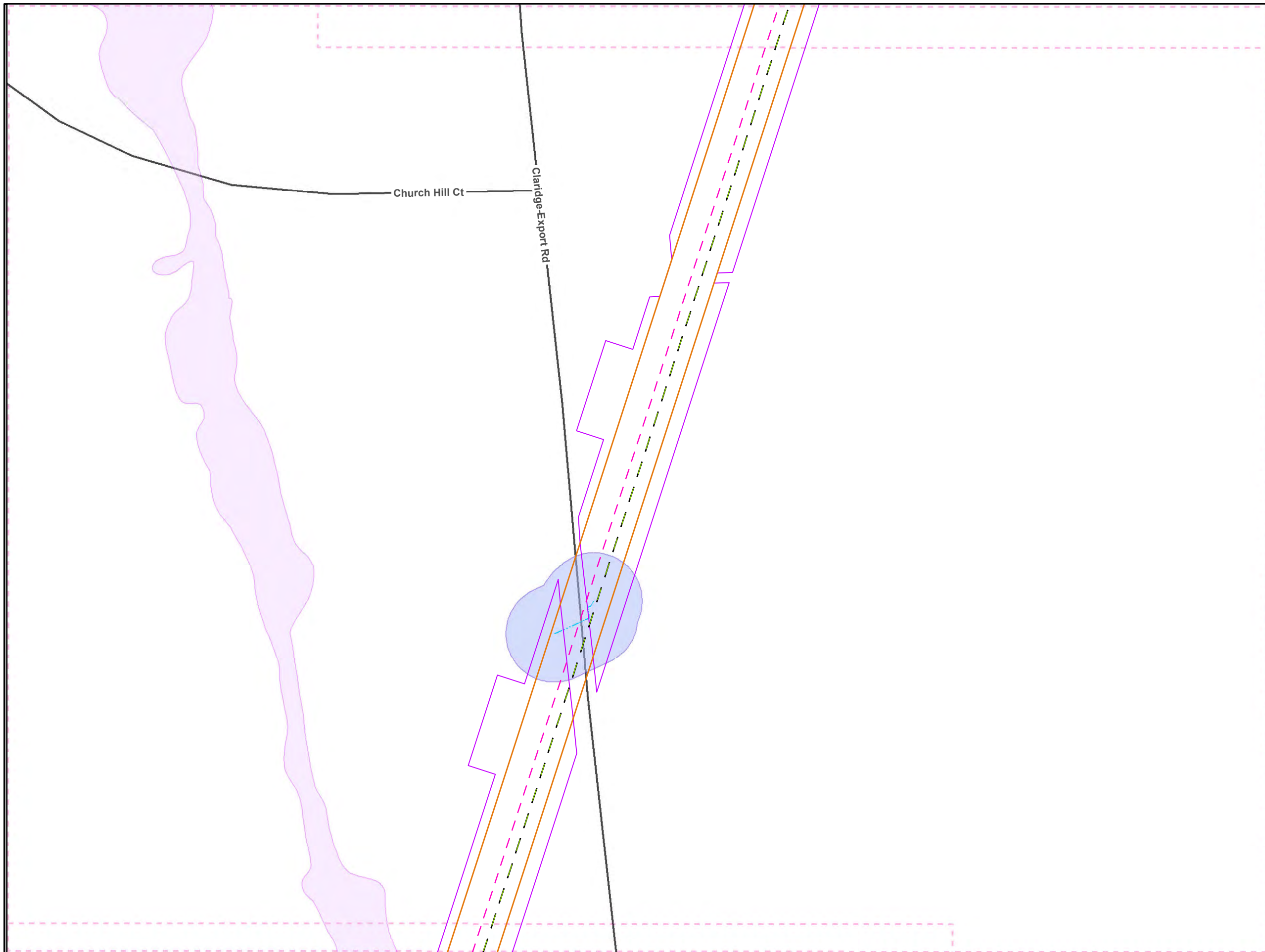


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
93 of 179**

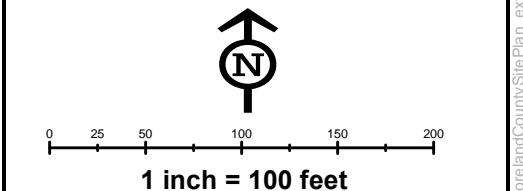
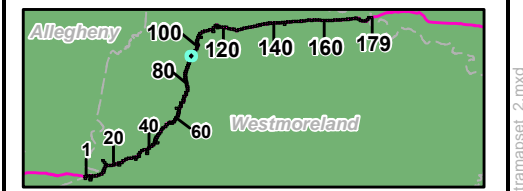
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - 8" Pipeline Maintenance Corridor
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  - ME1 12" Perm ROW
  - Stations
  - ~ ~ ~ Ephemeral Stream
  - ~ ~ ~ Intermittent Stream
  - ~ ~ ~ Perennial Stream
  - ⊗ Pond
  - ⊗ PEM Wetland
  - ⊗ PFO Wetland
  - ⊗ PSS Wetland
  - ⊗ Ch. 105 Floodways
  - ⊗ Waived Ch. 105 Floodways
  - ⊗ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

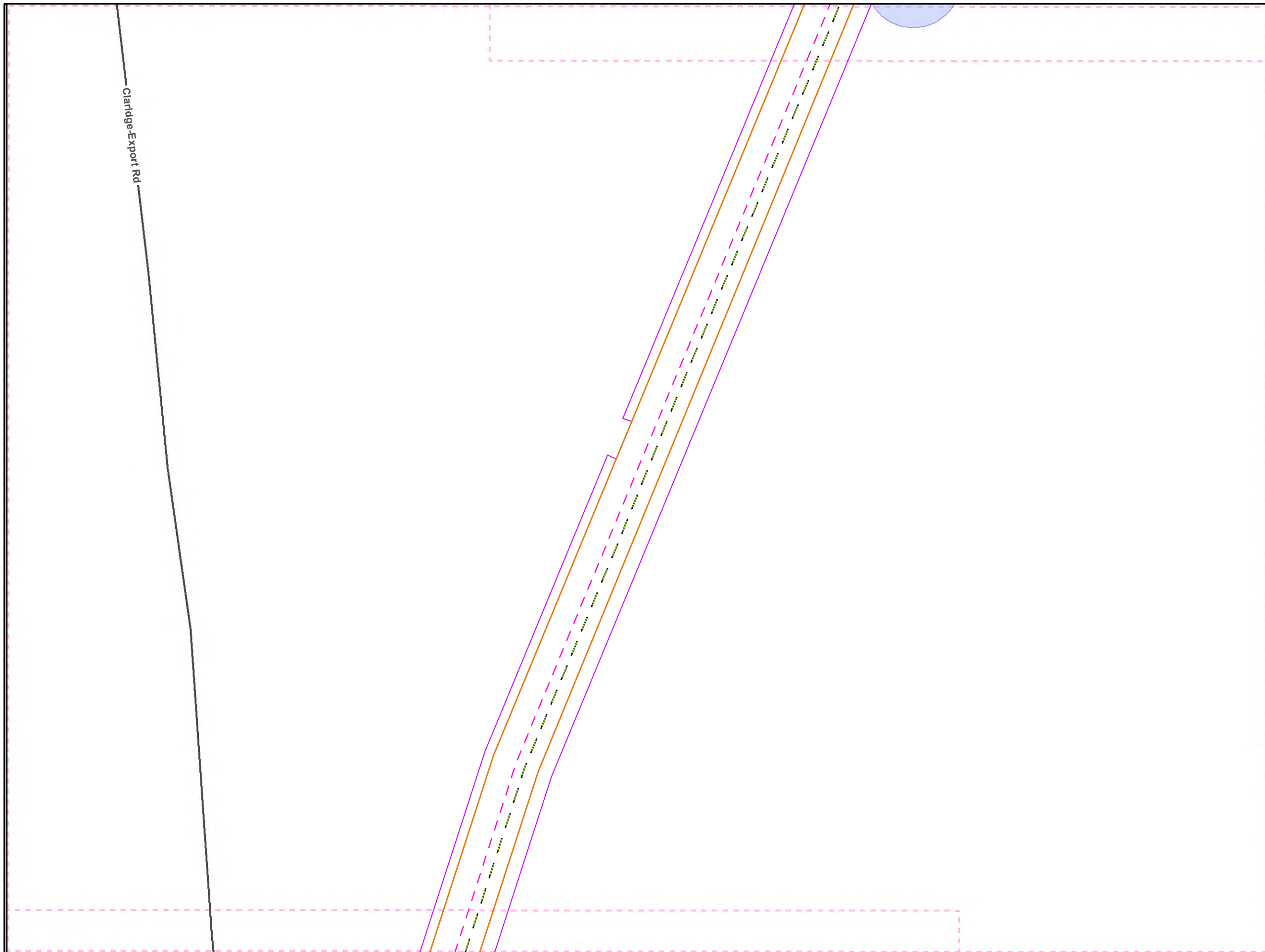


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
94 of 179**

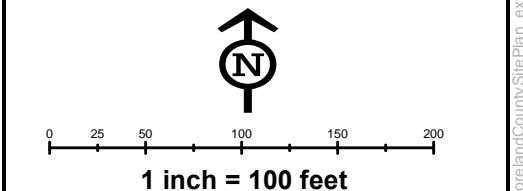
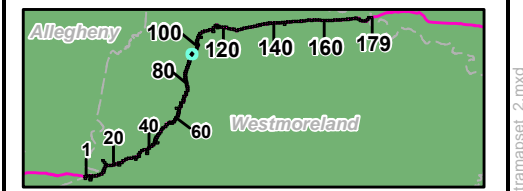
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
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  - PPP LOD
  - - - 8" Centerline
  - 8" Pipeline Maintenance Corridor
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  - ME1 12" Perm ROW
  - Stations
  - ~ ~ ~ Ephemeral Stream
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  - ~ ~ ~ Perennial Stream
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  - ⊗ PEM Wetland
  - ⊗ PFO Wetland
  - ⊗ PSS Wetland
  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

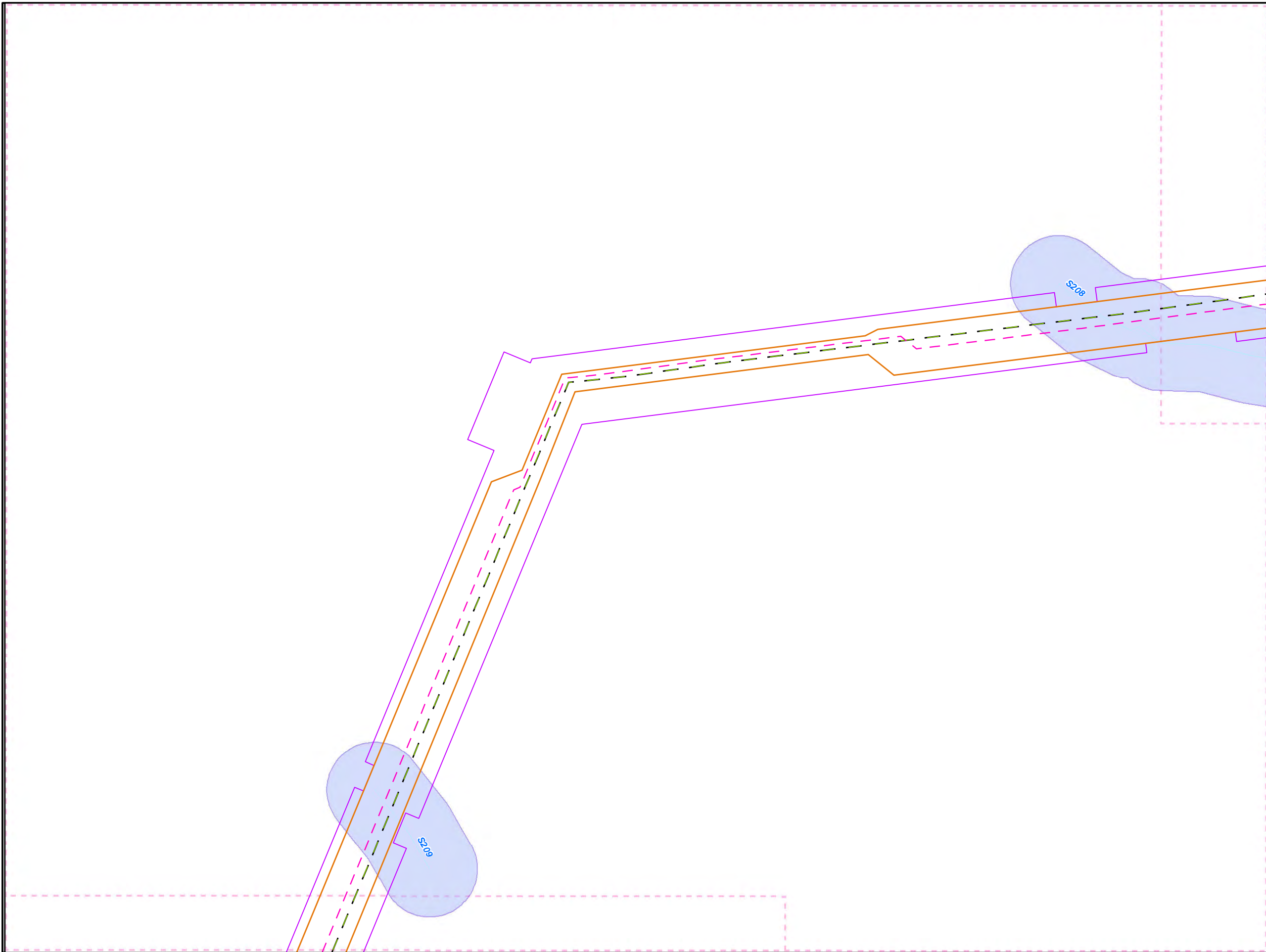


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
95 of 179**

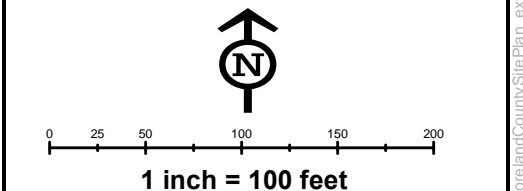
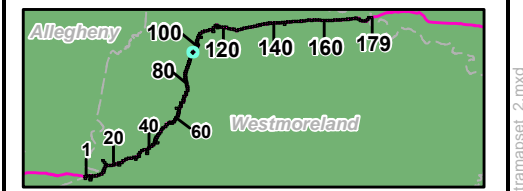
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
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  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

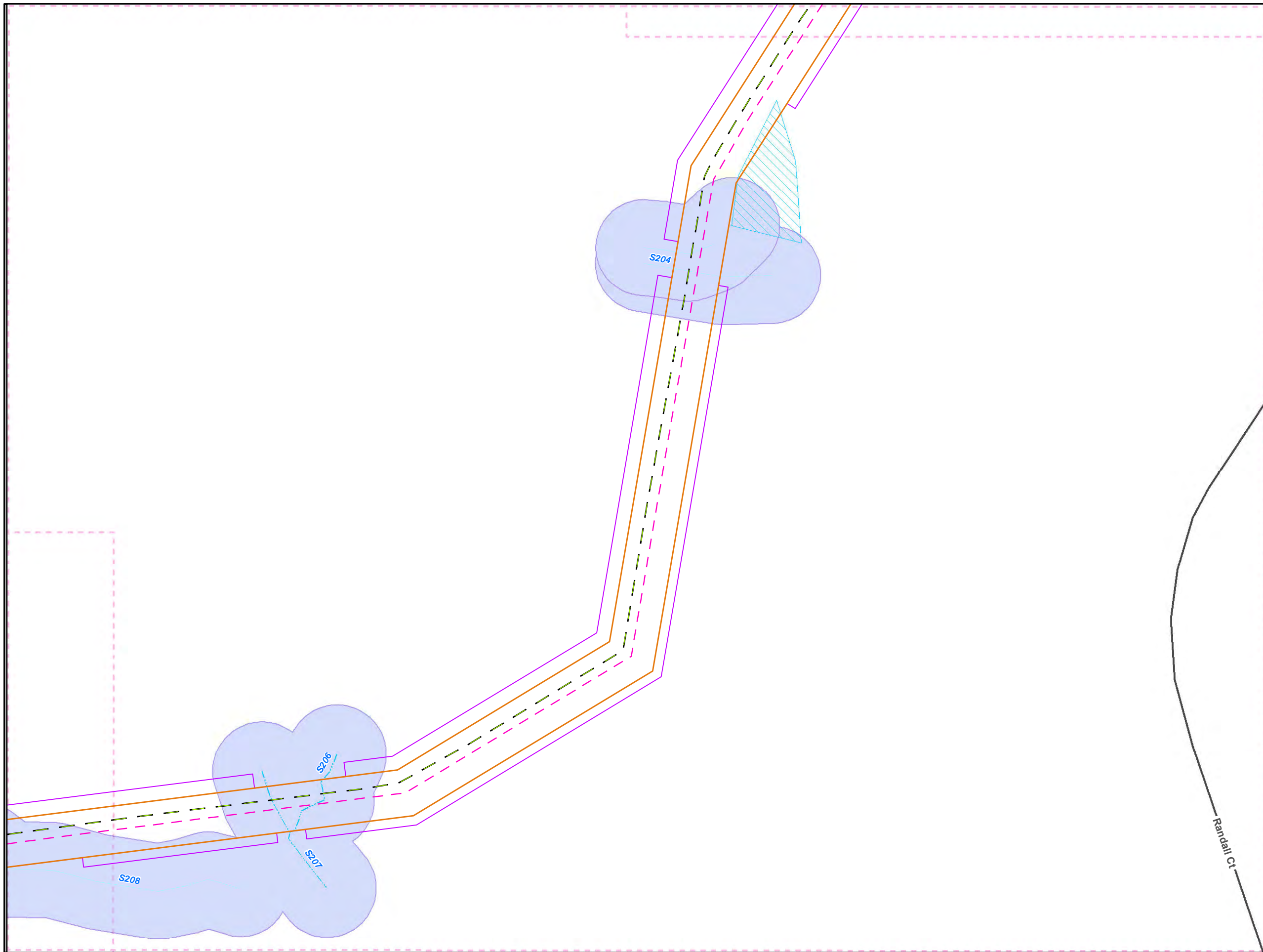


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
96 of 179**

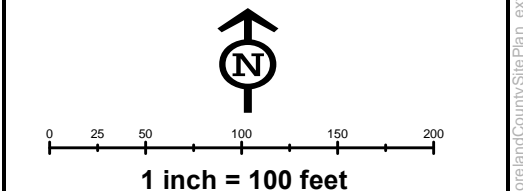
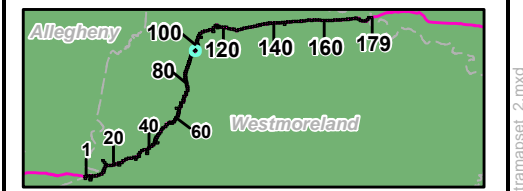
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
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  - 8" Centerline
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  - ~ Perennial Stream
  - Pond
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  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

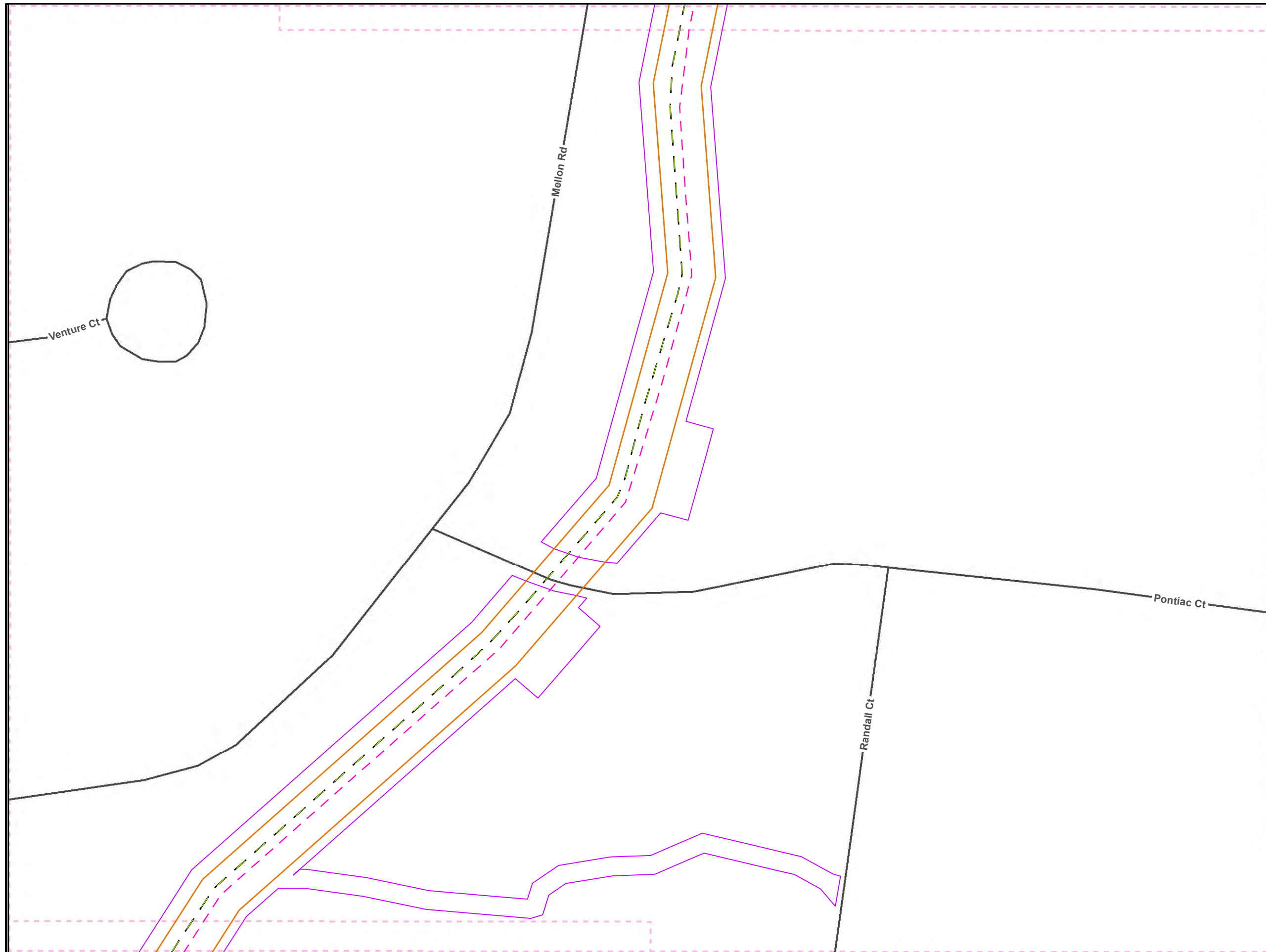


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
97 of 179**

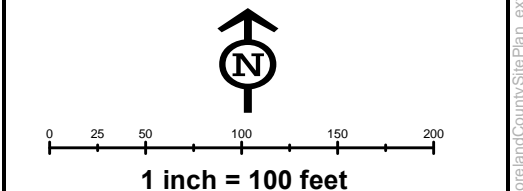
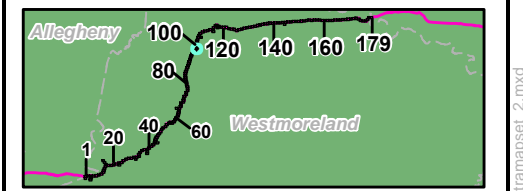
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
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  - / - / - 8" Centerline
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  - ⊗ Waived Ch. 105 Floodways
  - ⊗ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

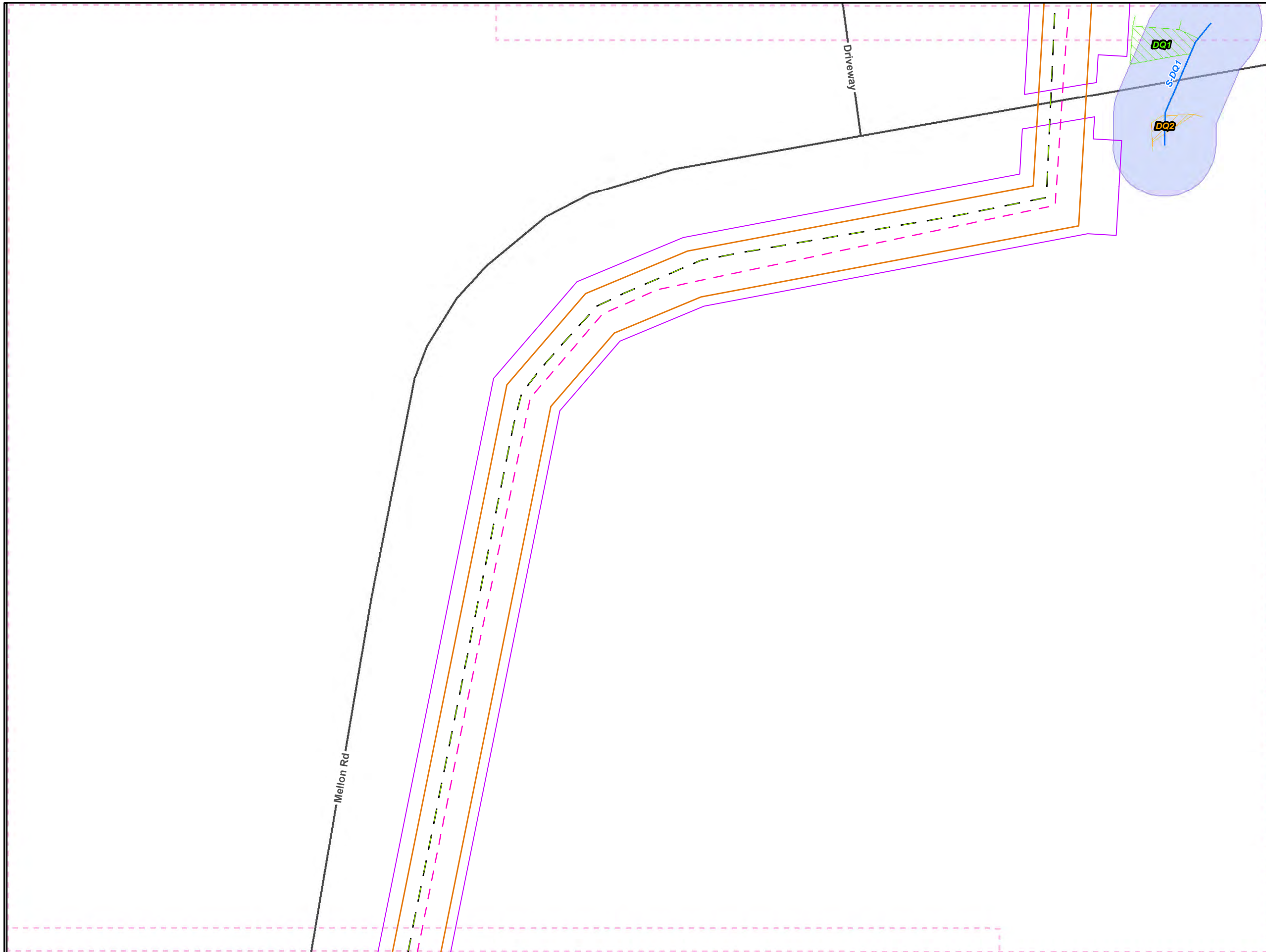


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
98 of 179**

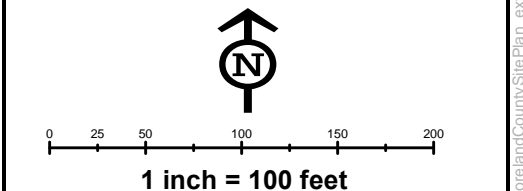
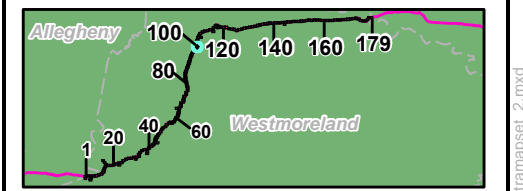
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
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  - ▭ ME1 12" Perm ROW
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  - ⊕ PFO Wetland
  - ⊕ PSS Wetland
  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary



**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA. 99 of 179**

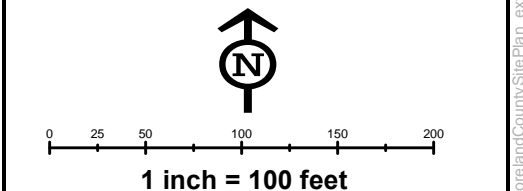
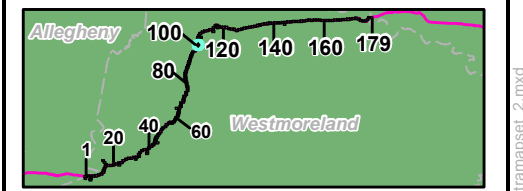
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - / - / - 8" Centerline
  - 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
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  - ~ ~ ~ Ephemeral Stream
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  - ⊗ PEM Wetland
  - ⊗ PFO Wetland
  - ⊗ PSS Wetland
  - ⊗ Ch. 105 Floodways
  - ⊗ Waived Ch. 105 Floodways
  - ⊗ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

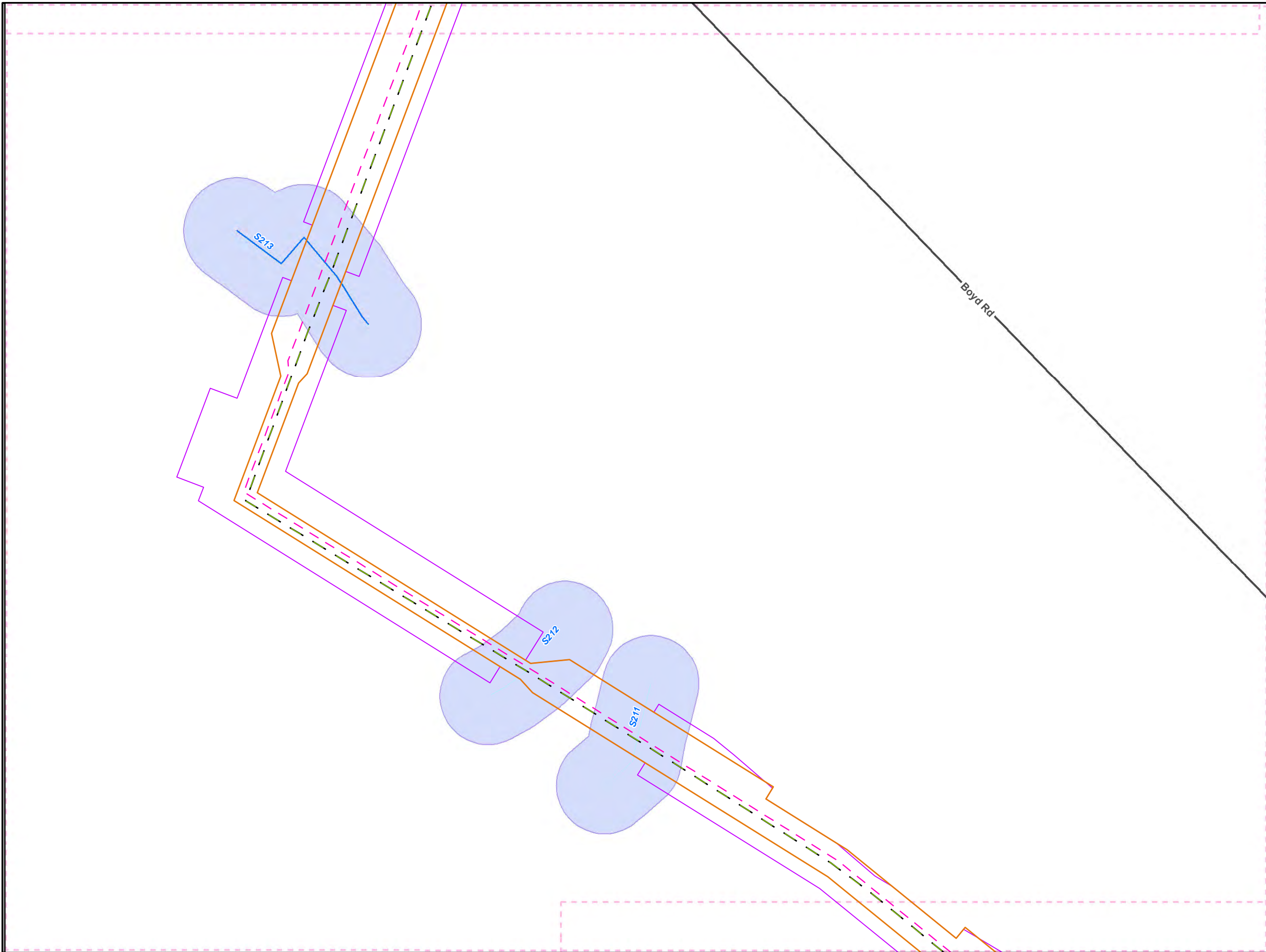


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
100 of 179**

<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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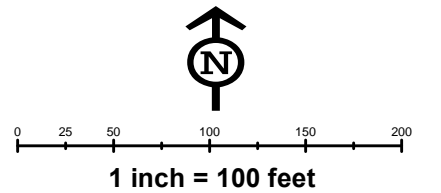
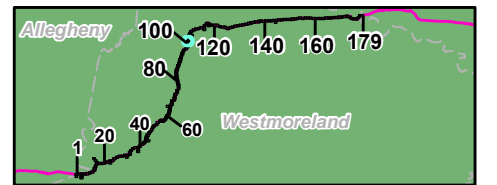
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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**Legend**

- PPP 1
- PPP 2
- PPP LOD
- / - / - 8" Centerline
- 8" Pipeline Maintenance Corridor
- ME1 12" Centerline
- ME1 12" Perm ROW
- Stations
- ~ ~ ~ Ephemeral Stream
- ~ ~ ~ Intermittent Stream
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- ⊗ Pond
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- ⊗ PFO Wetland
- ⊗ PSS Wetland
- ⊗ Ch. 105 Floodways
- ⊗ Waived Ch. 105 Floodways
- ⊗ Ch. 106 Floodplain Fringe
- Roads
- Sheet Boundary

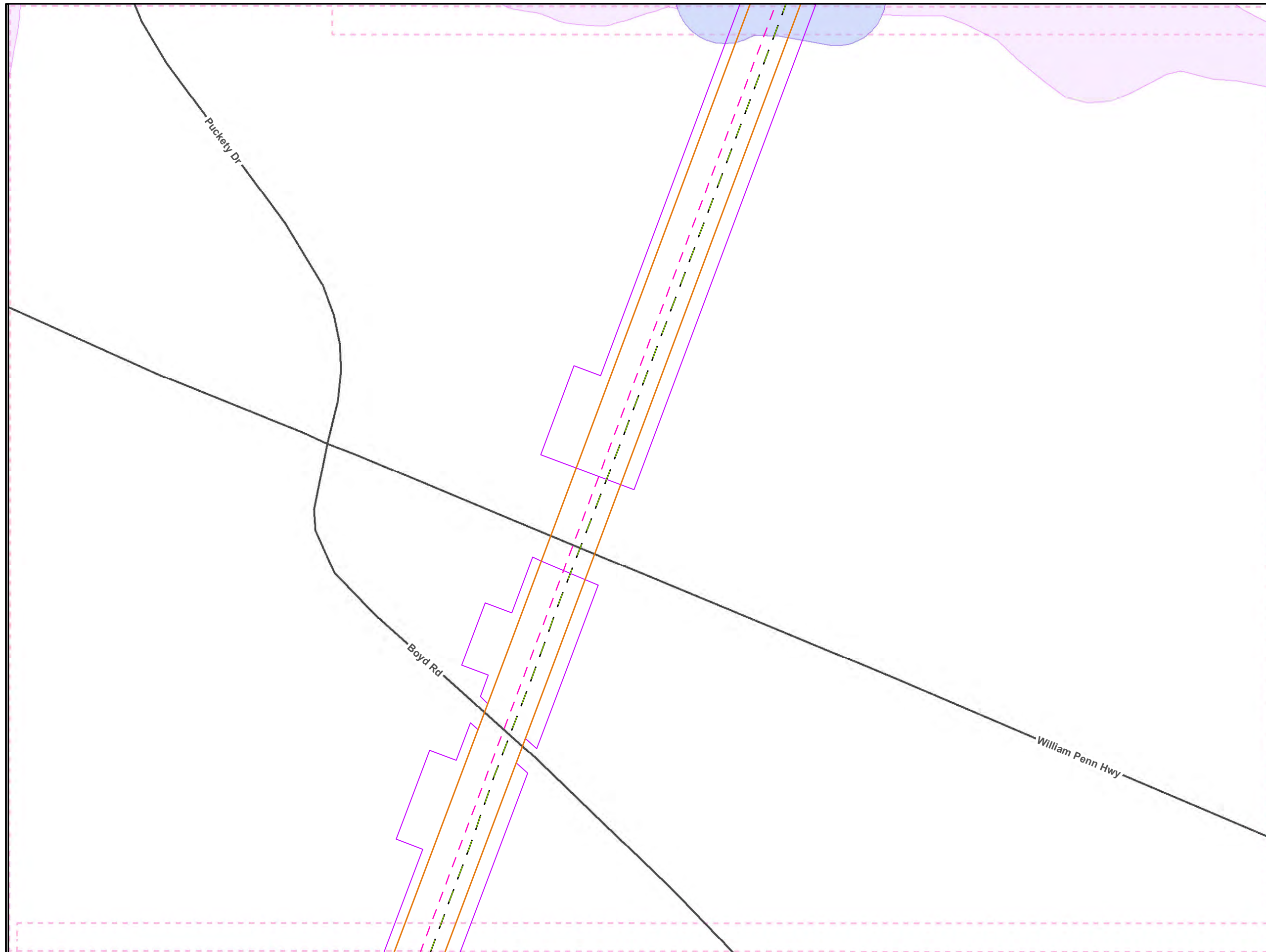


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
101 of 179**

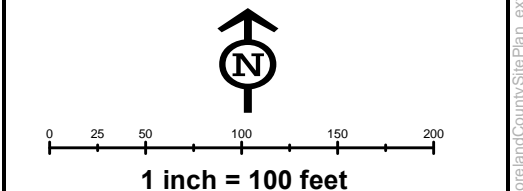
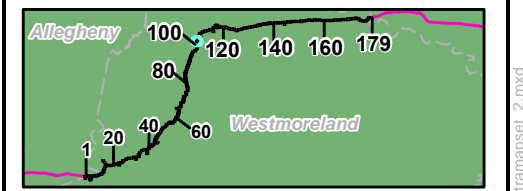
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
  - PPP 2
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  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
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  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

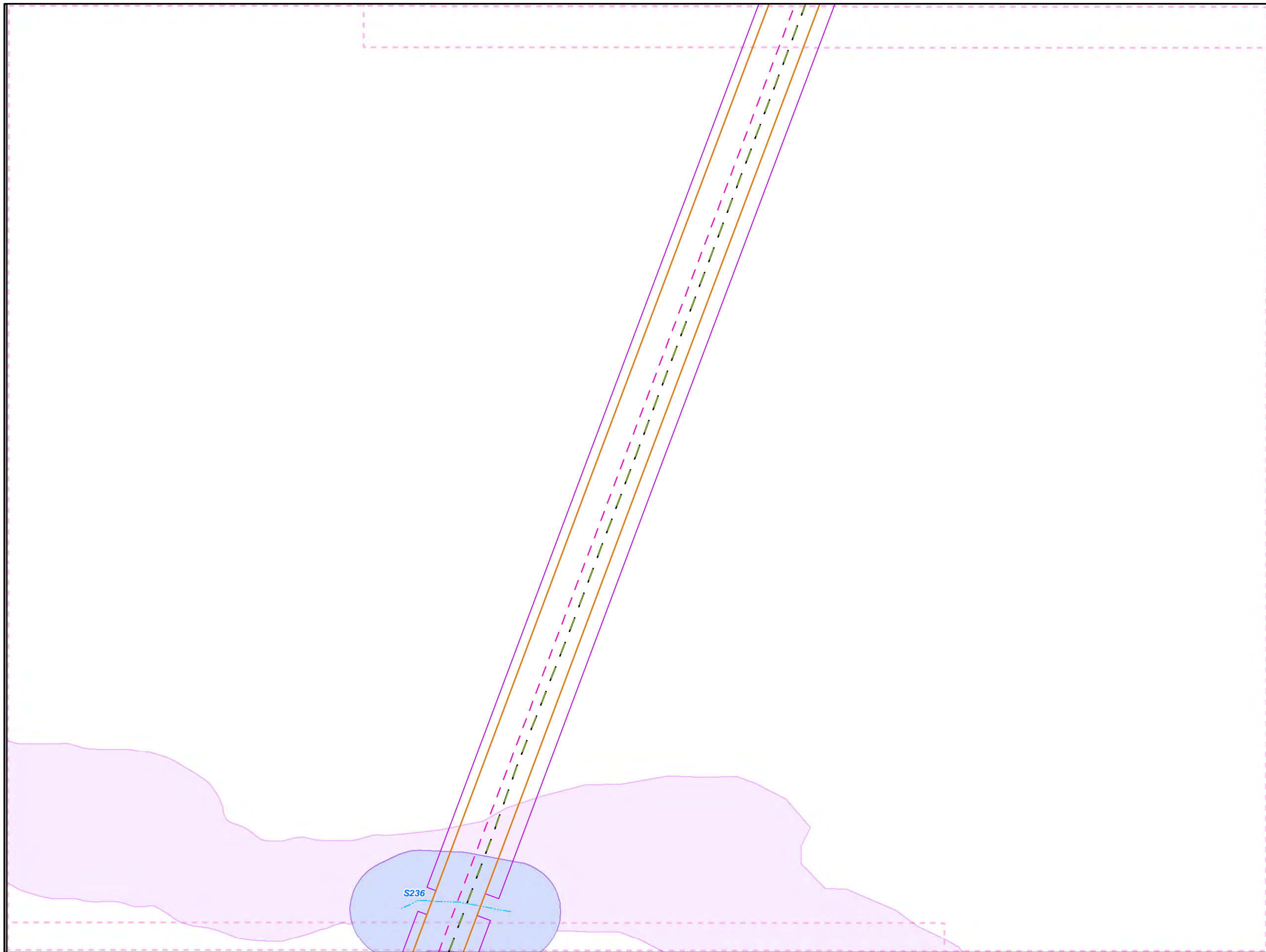


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
102 of 179**

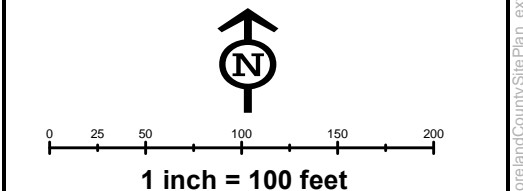
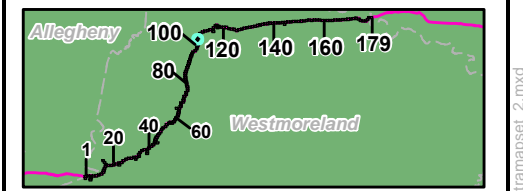
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
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  - ~ Perennial Stream
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  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

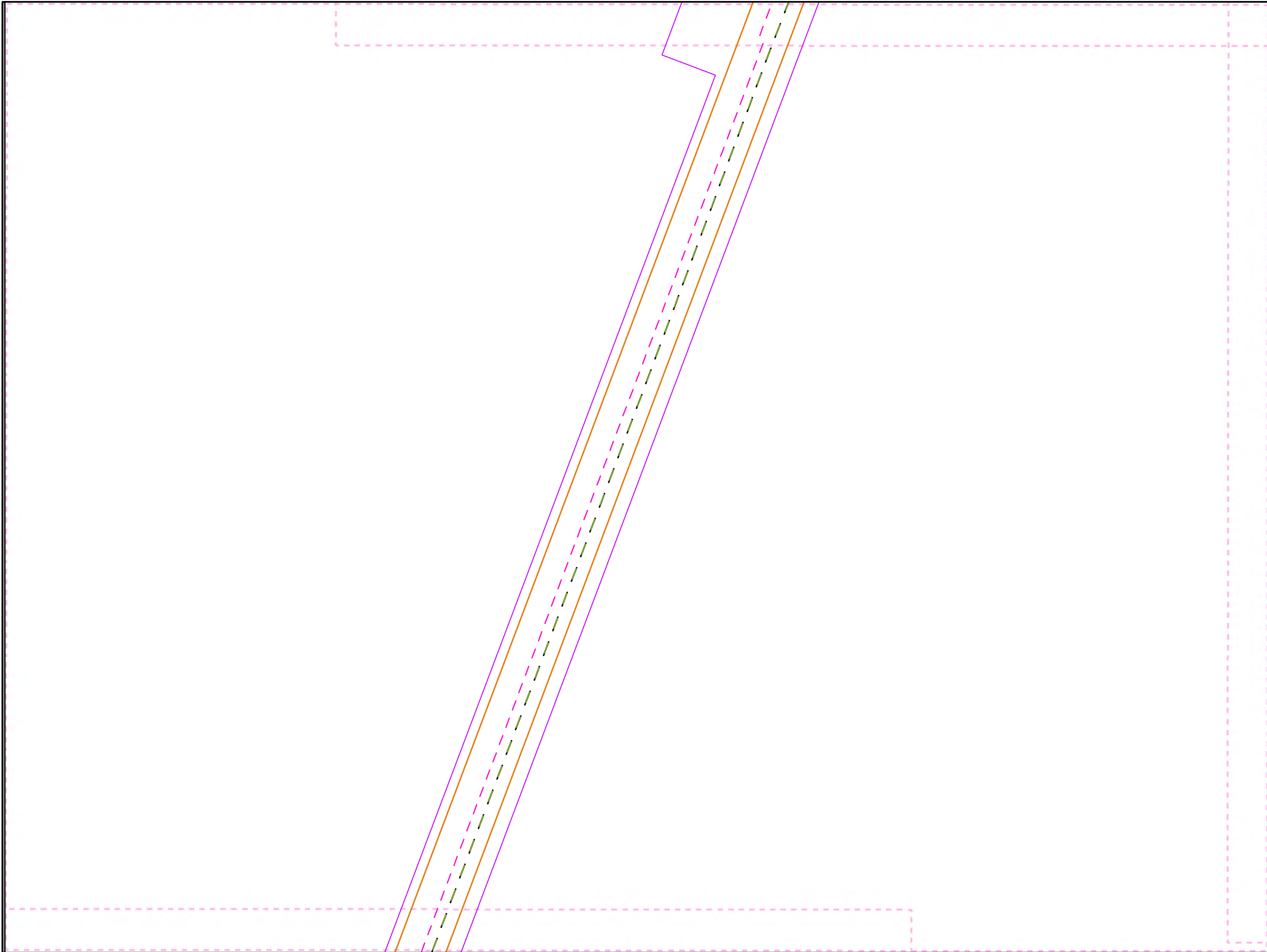


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
103 of 179**

<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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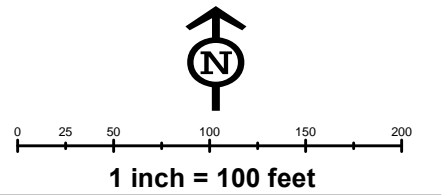
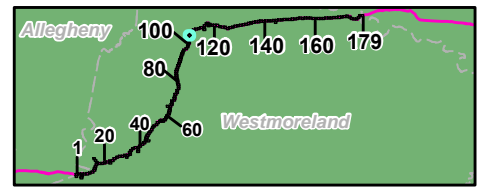
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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**Legend**

- PPP 1
- PPP 2
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- / - / - 8" Centerline
- 8" Pipeline Maintenance Corridor
- - - ME1 12" Centerline
- ME1 12" Perm ROW
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- ~ ~ ~ Ch. 105 Floodways
- ~ ~ ~ Waived Ch. 105 Floodways
- ~ ~ ~ Ch. 106 Floodplain Fringe
- Roads
- Sheet Boundary

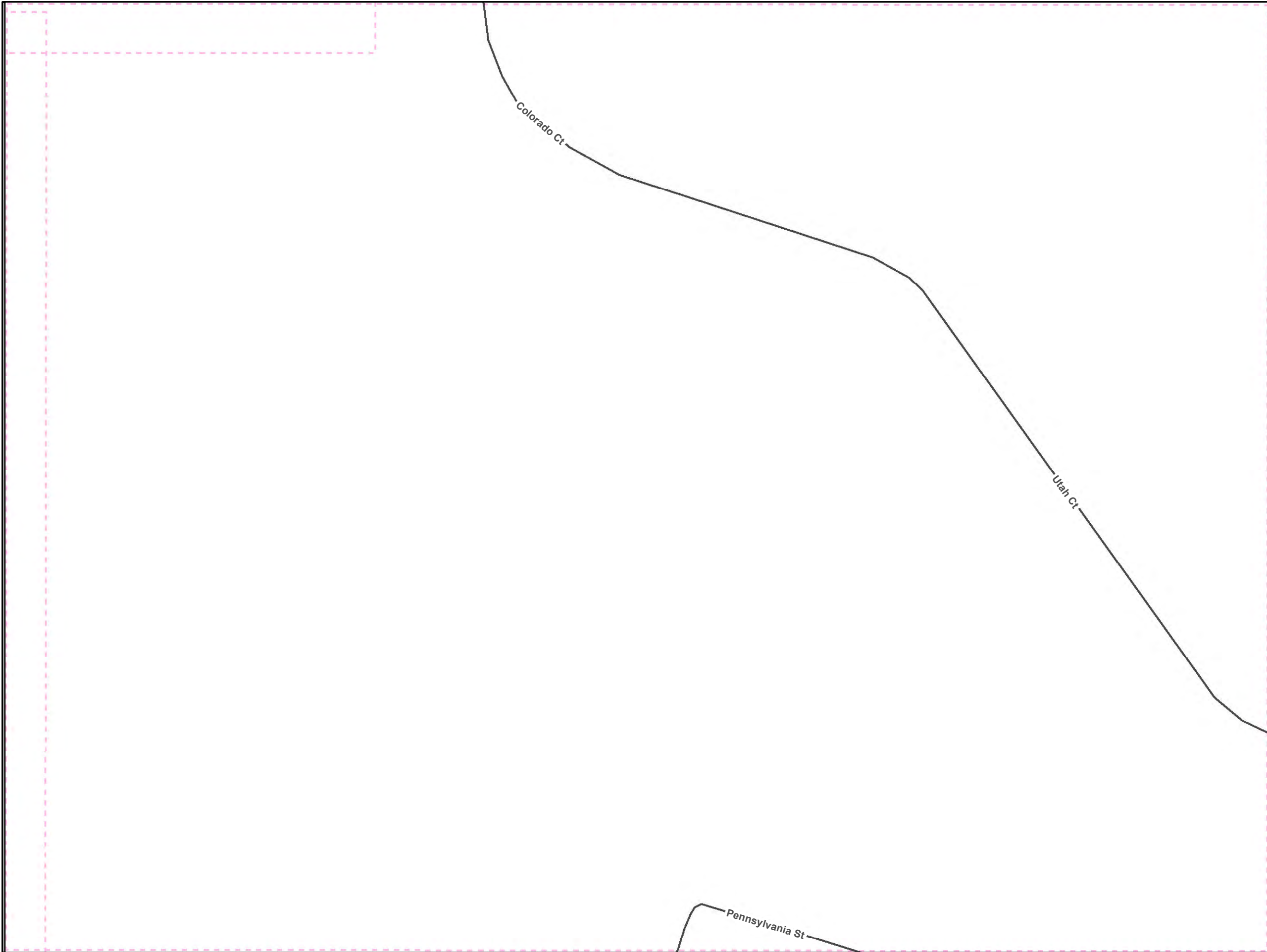


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
104 of 179**

<b>Prepared By:</b> TETRA TECH	<b>Date:</b> 11/2016
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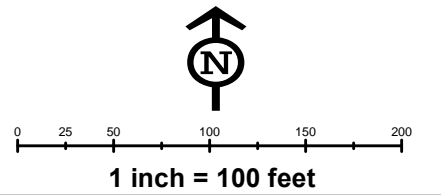
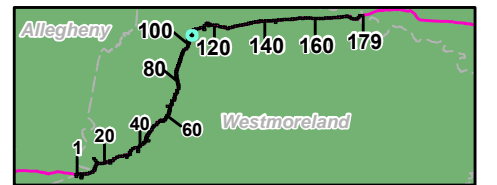
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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**Legend**

- PPP 1
- PPP 2
- PPP LOD
- / \ 8" Centerline
- 8" Pipeline Maintenance Corridor
- ME1 12" Centerline
- ME1 12" Perm ROW
- Stations
- ~ Ephemeral Stream
- ~ Intermittent Stream
- ~ Perennial Stream
- ⊕ Pond
- ⊕ PEM Wetland
- ⊕ PFO Wetland
- ⊕ PSS Wetland
- ⊕ Ch. 105 Floodways
- ⊕ Waived Ch. 105 Floodways
- ⊕ Ch. 106 Floodplain Fringe
- Roads
- Sheet Boundary

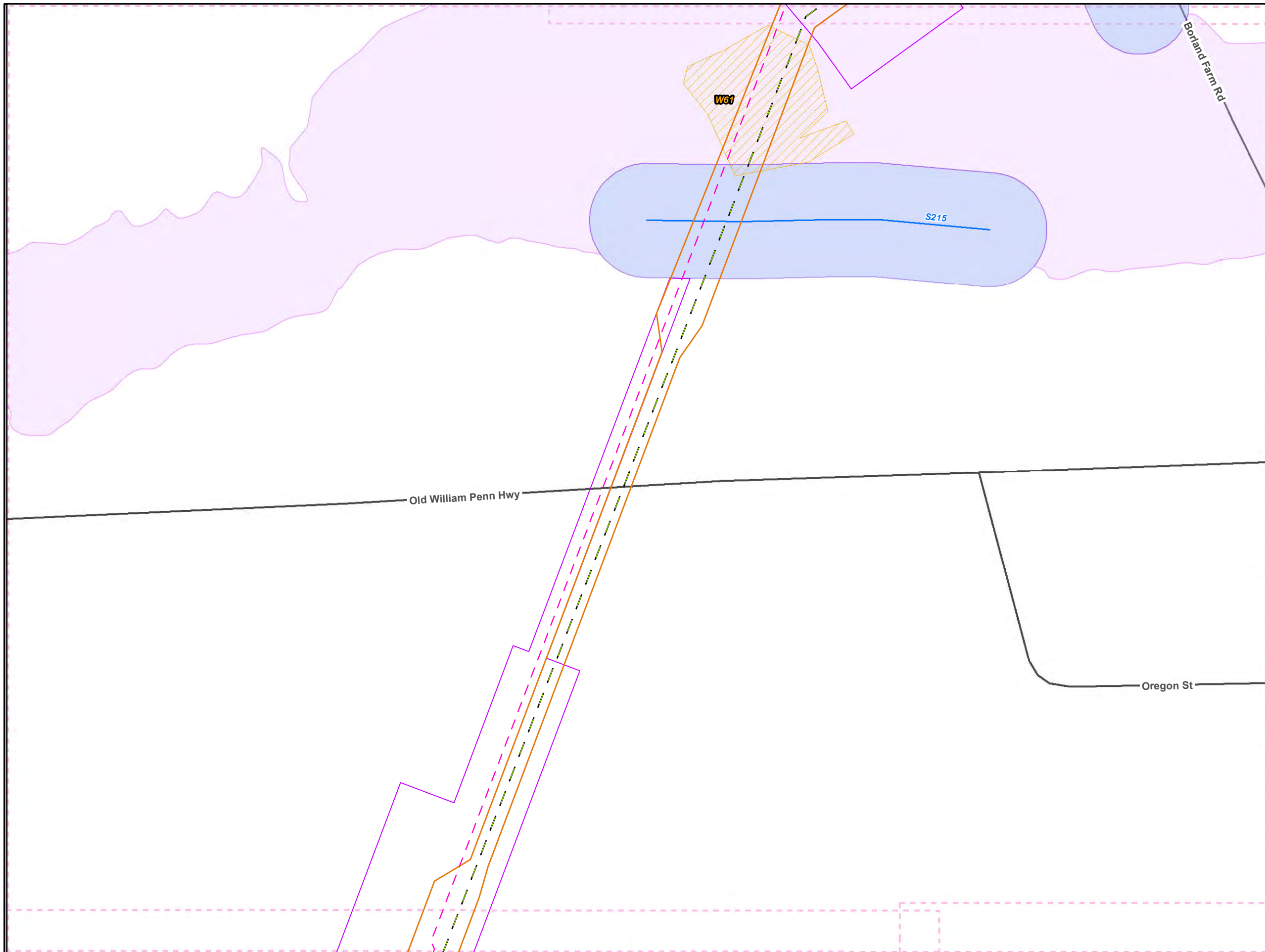


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
105 of 179**

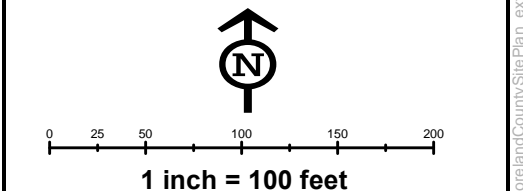
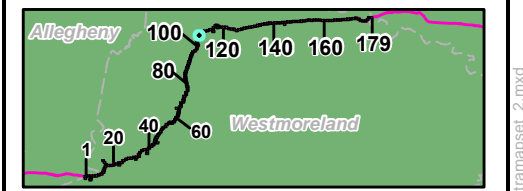
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

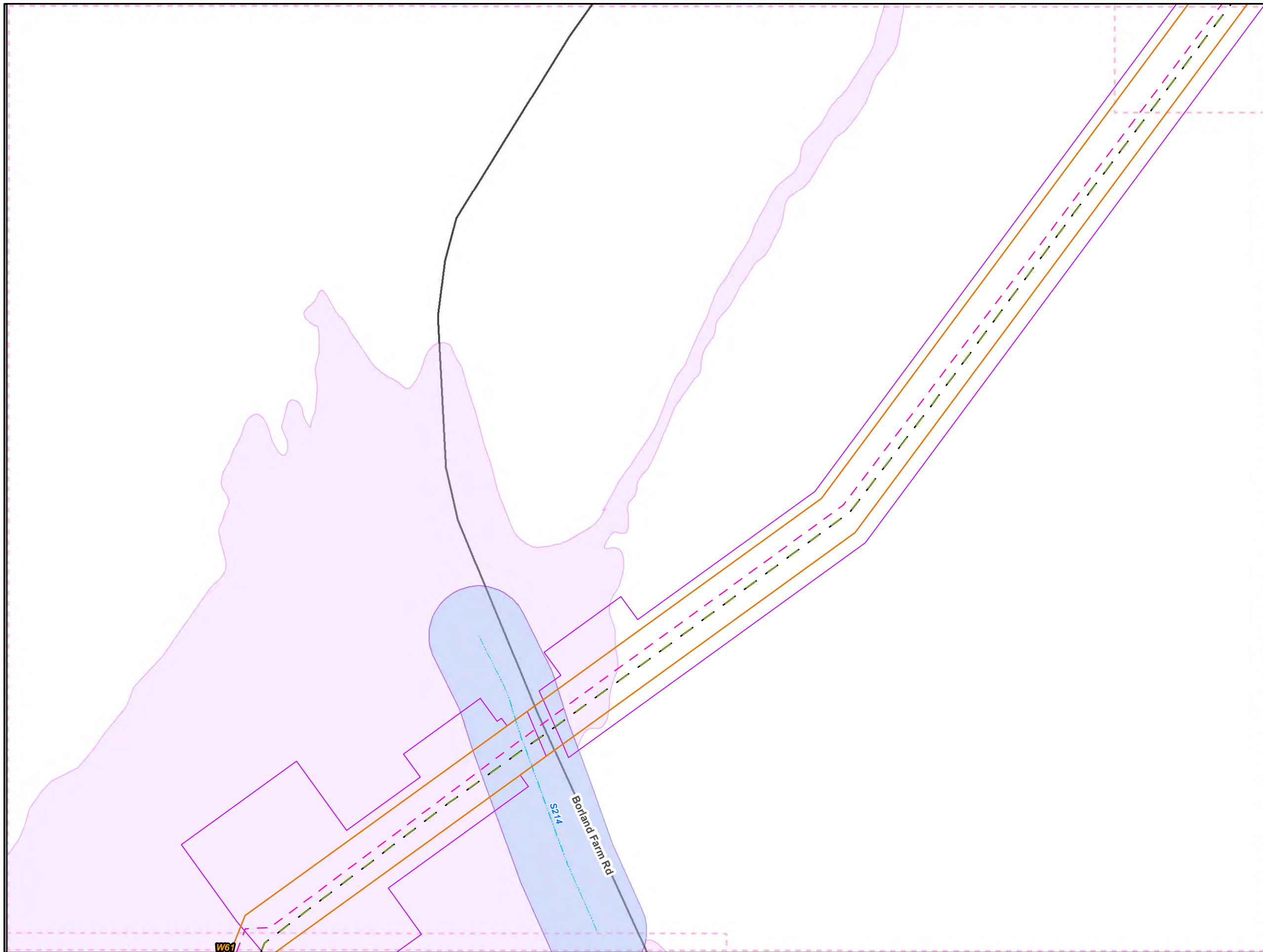


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
106 of 179**

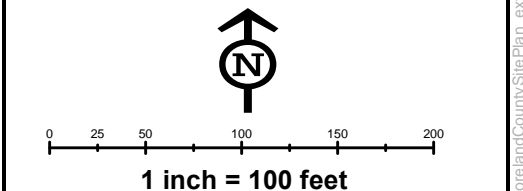
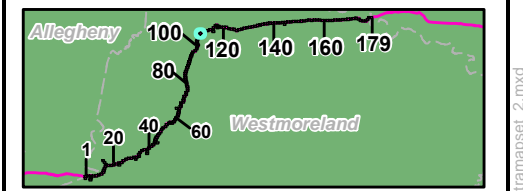
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

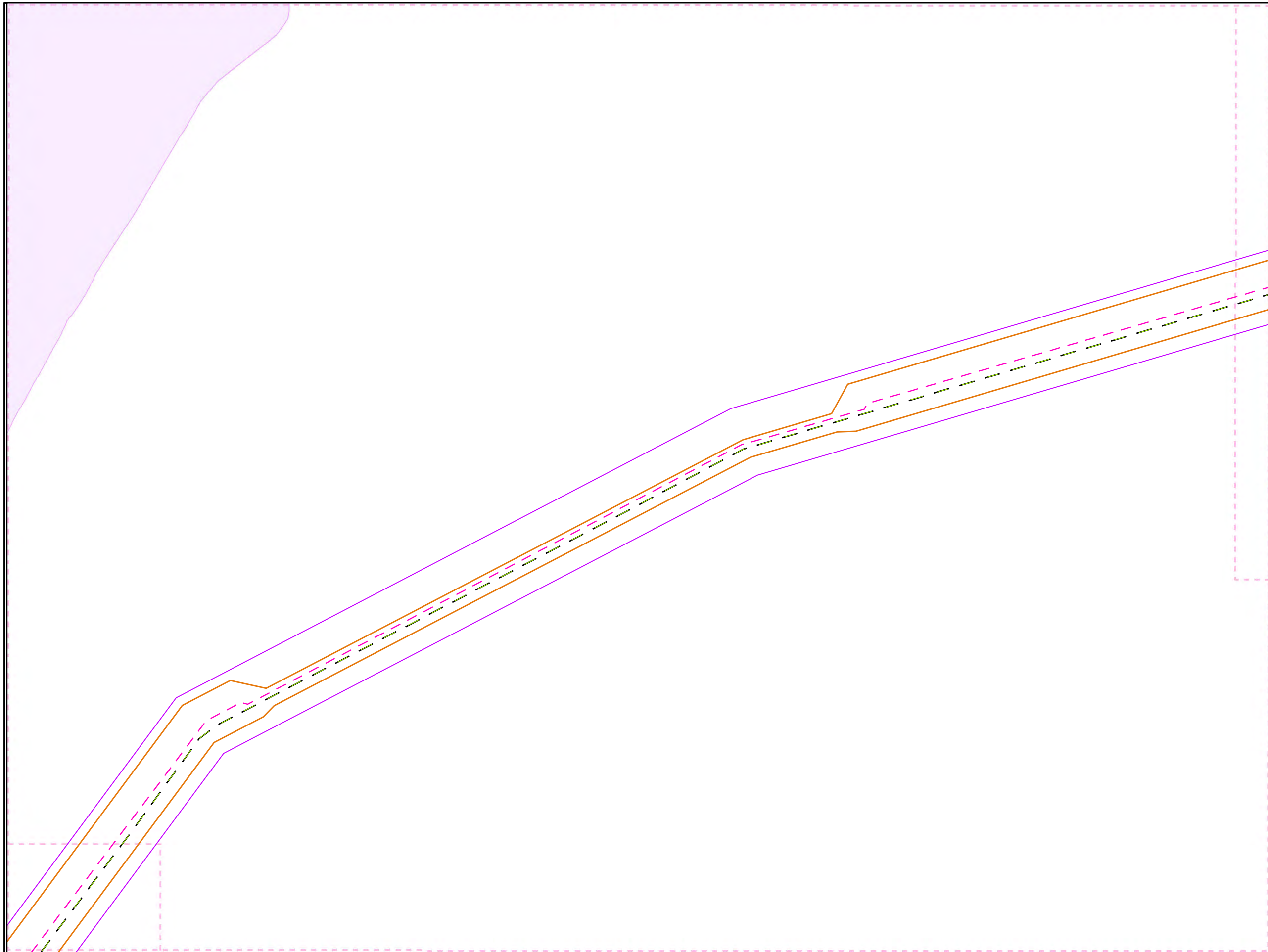


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
107 of 179**

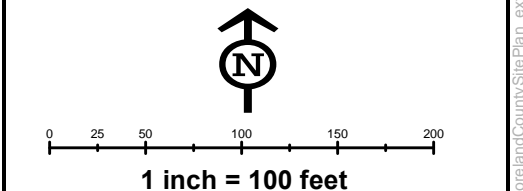
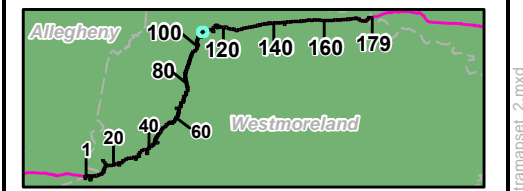
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
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  - PPP LOD
  - 8" Centerline
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  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

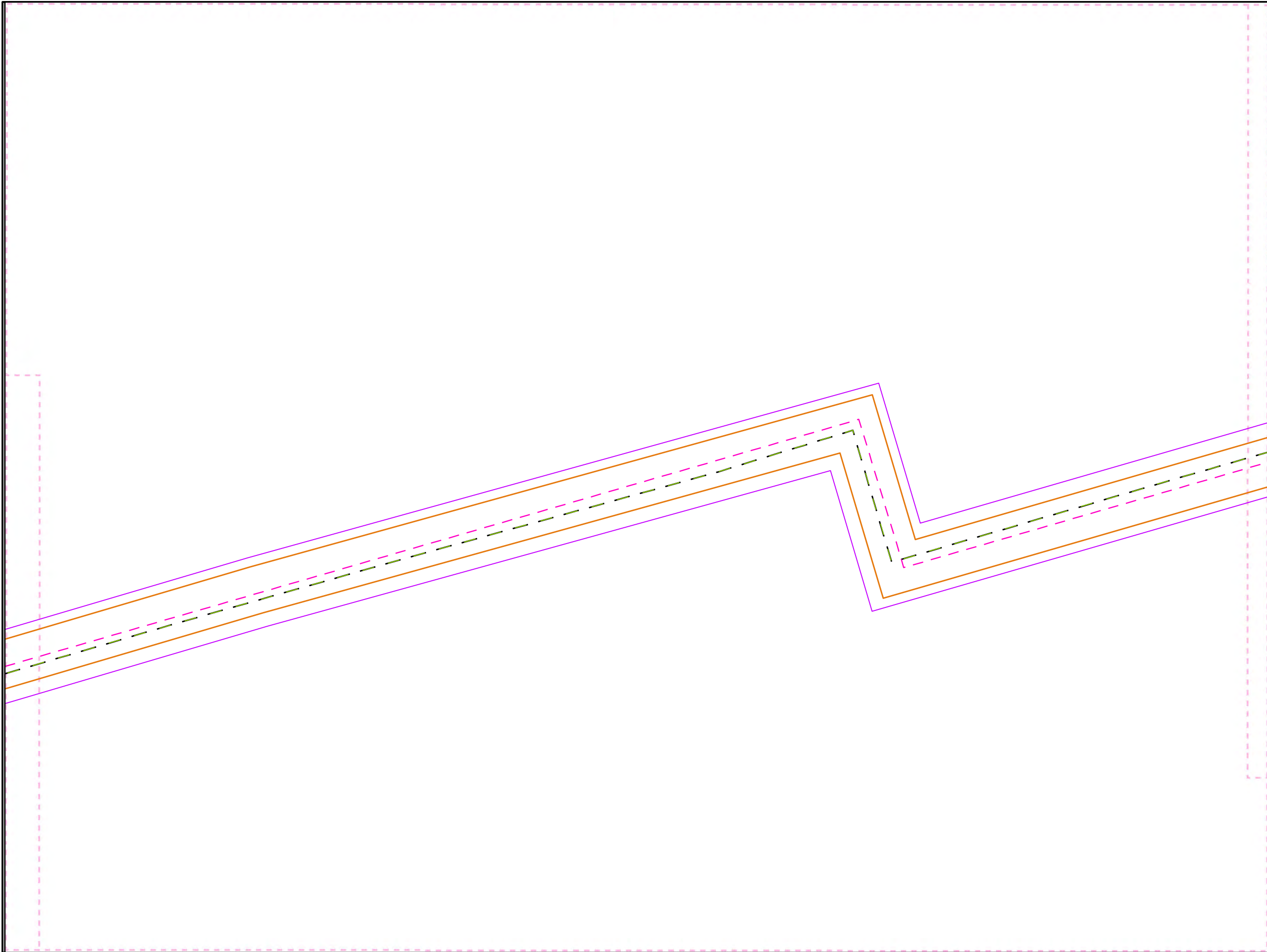


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
108 of 179**

<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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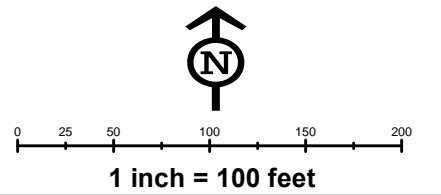
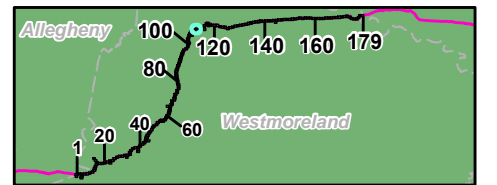
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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**Legend**

- PPP 1
- PPP 2
- PPP LOD
- / \ / \ 8" Centerline
- 8" Pipeline Maintenance Corridor
- ME1 12" Centerline
- ME1 12" Perm ROW
- Stations
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- ⊗ Pond
- ⊗ PEM Wetland
- ⊗ PFO Wetland
- ⊗ PSS Wetland
- ⊗ Ch. 105 Floodways
- ⊗ Waived Ch. 105 Floodways
- ⊗ Ch. 106 Floodplain Fringe
- Roads
- Sheet Boundary

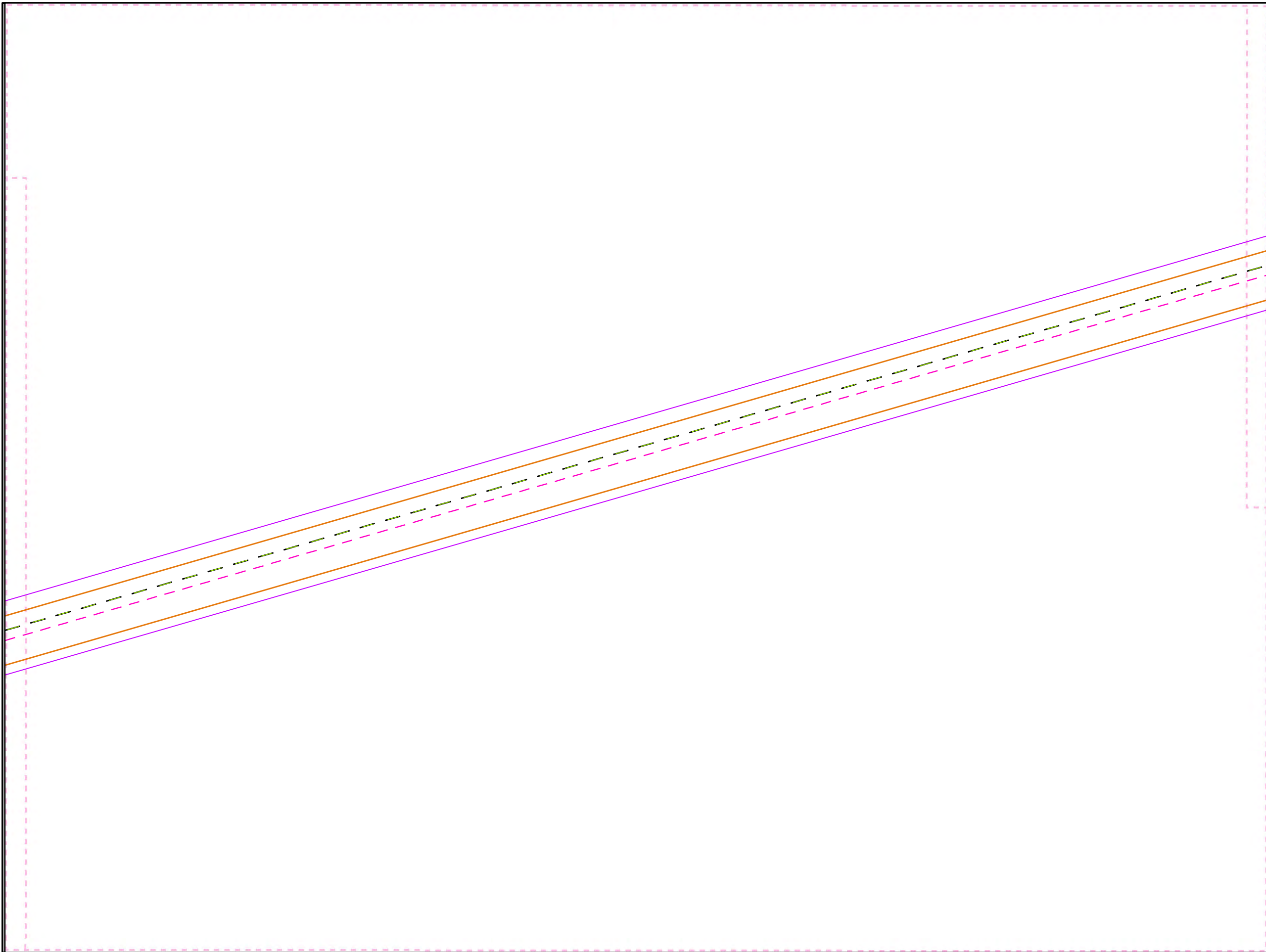


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
109 of 179**

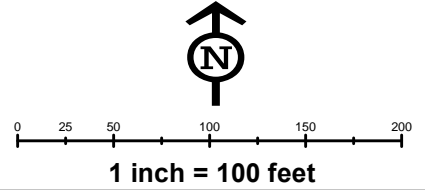
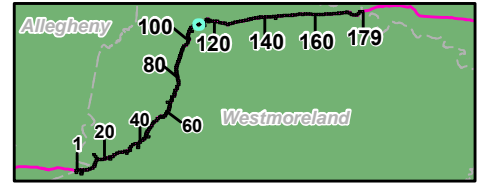
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
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  - ⊕ Pond
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  - ⊕ PSS Wetland
  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

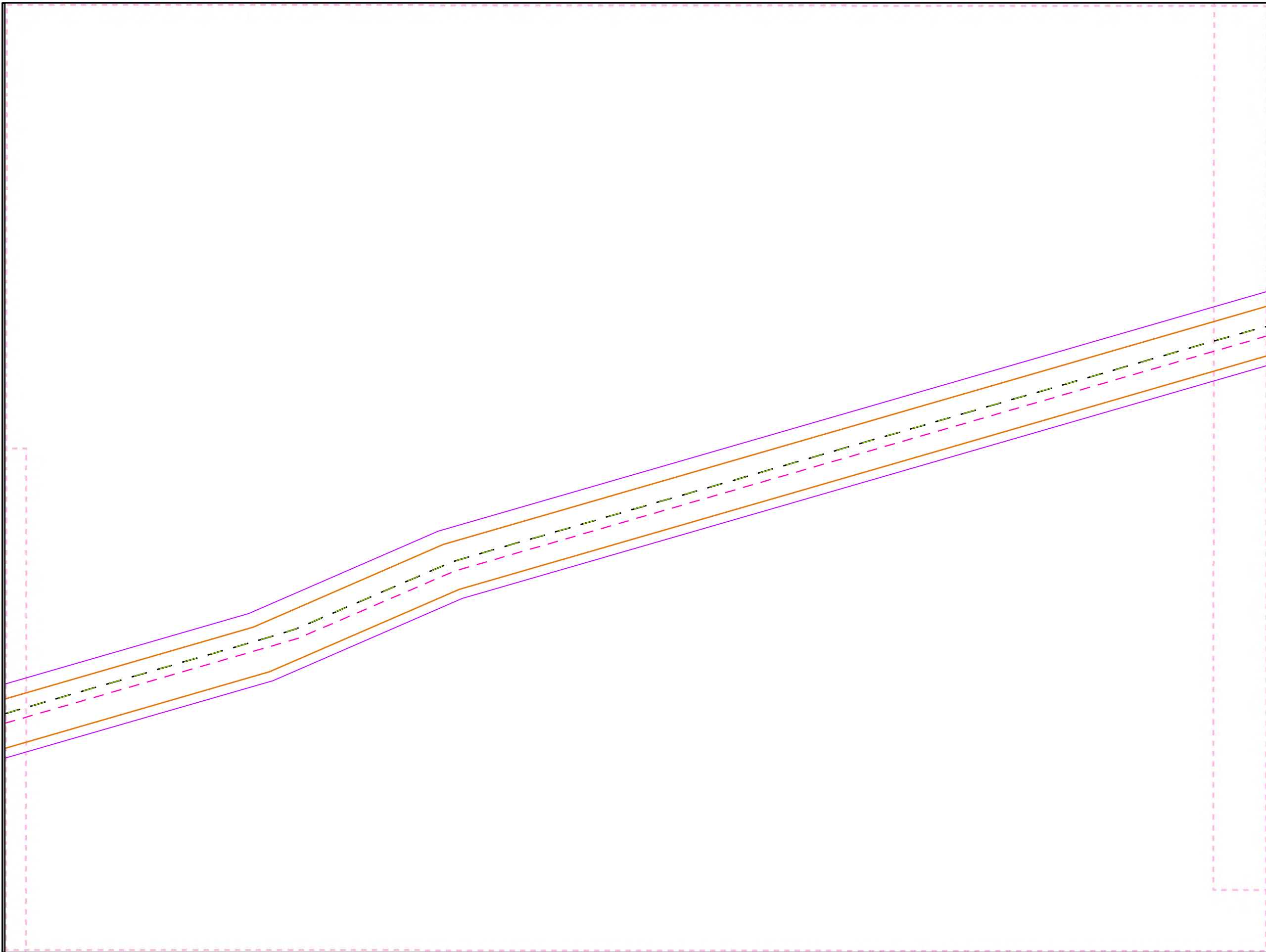


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
110 of 179**

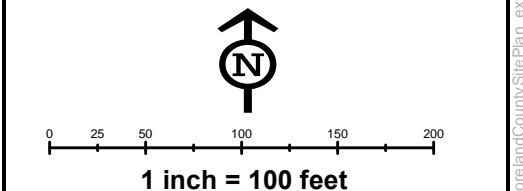
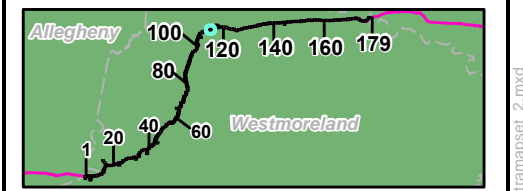
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
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  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

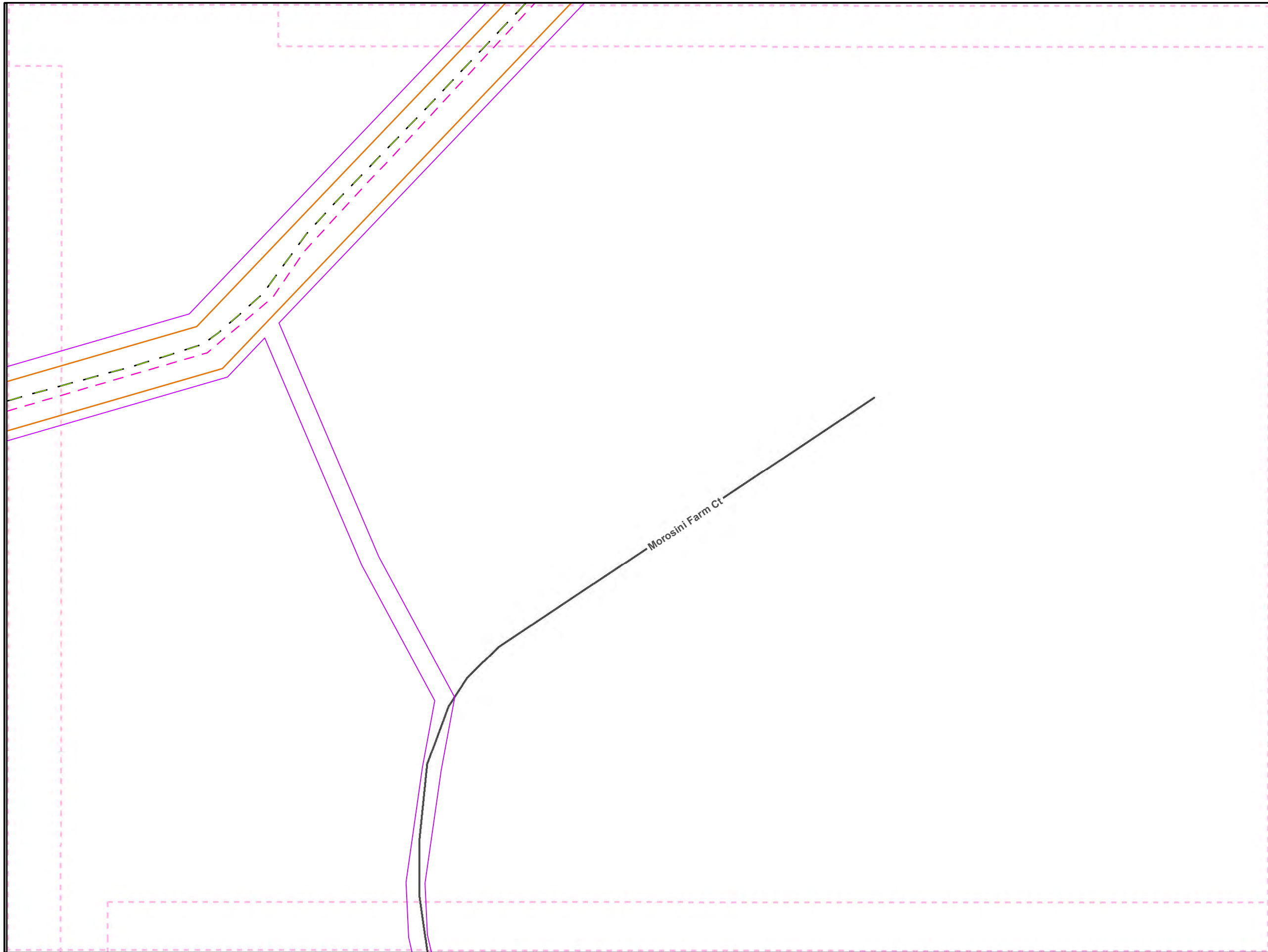


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
111 of 179**

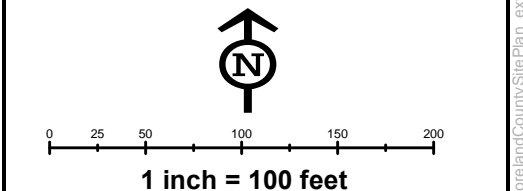
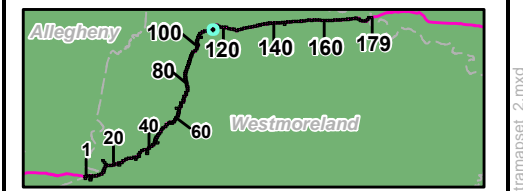
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
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  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

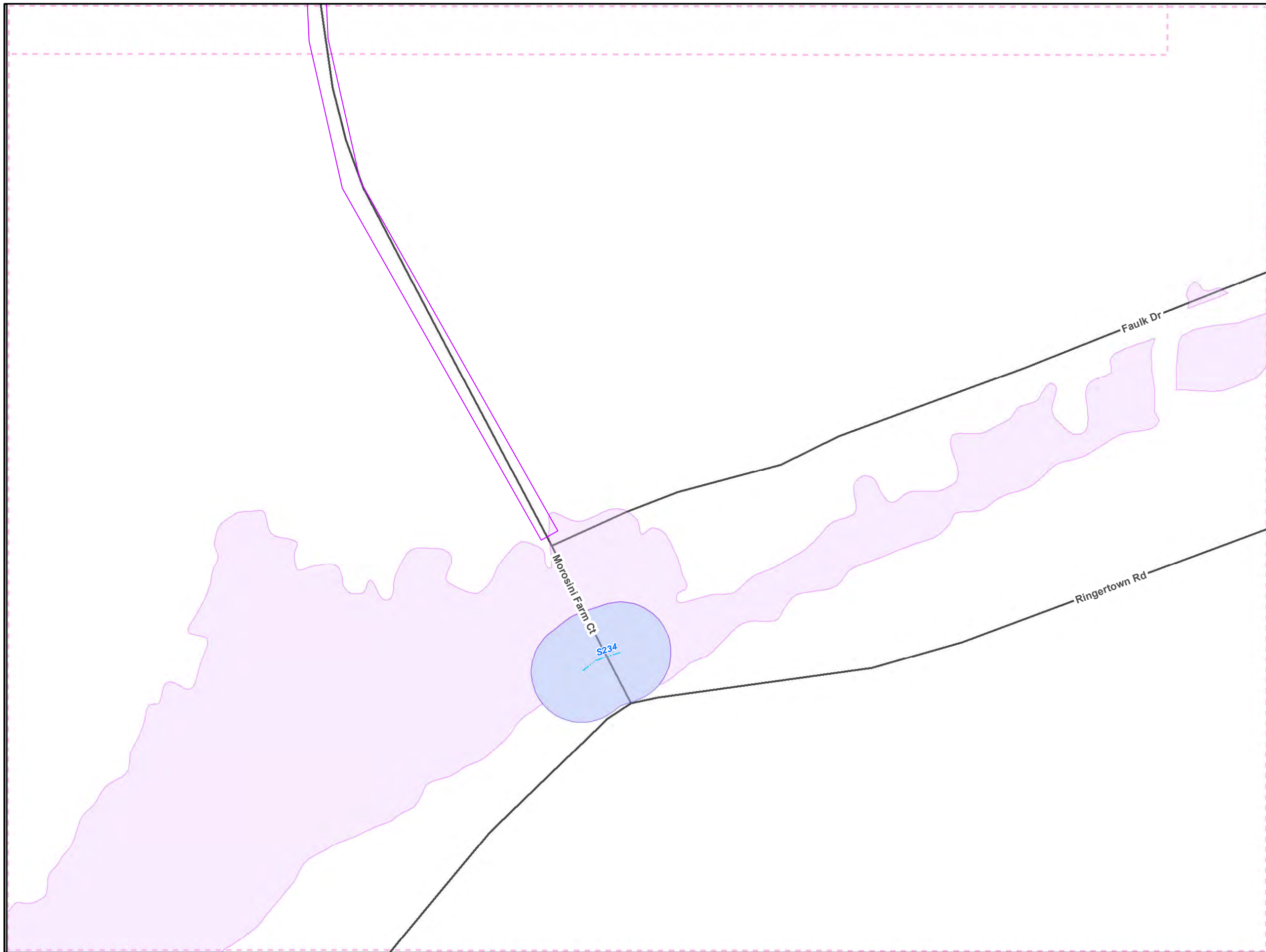


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
112 of 179**

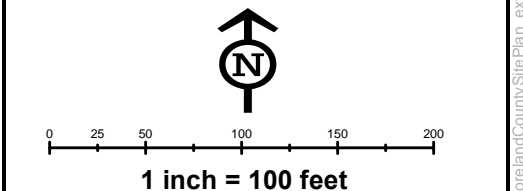
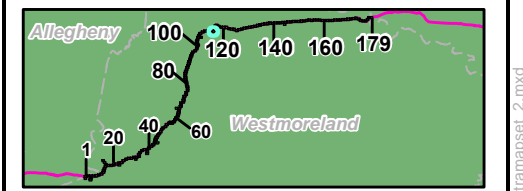
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
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  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

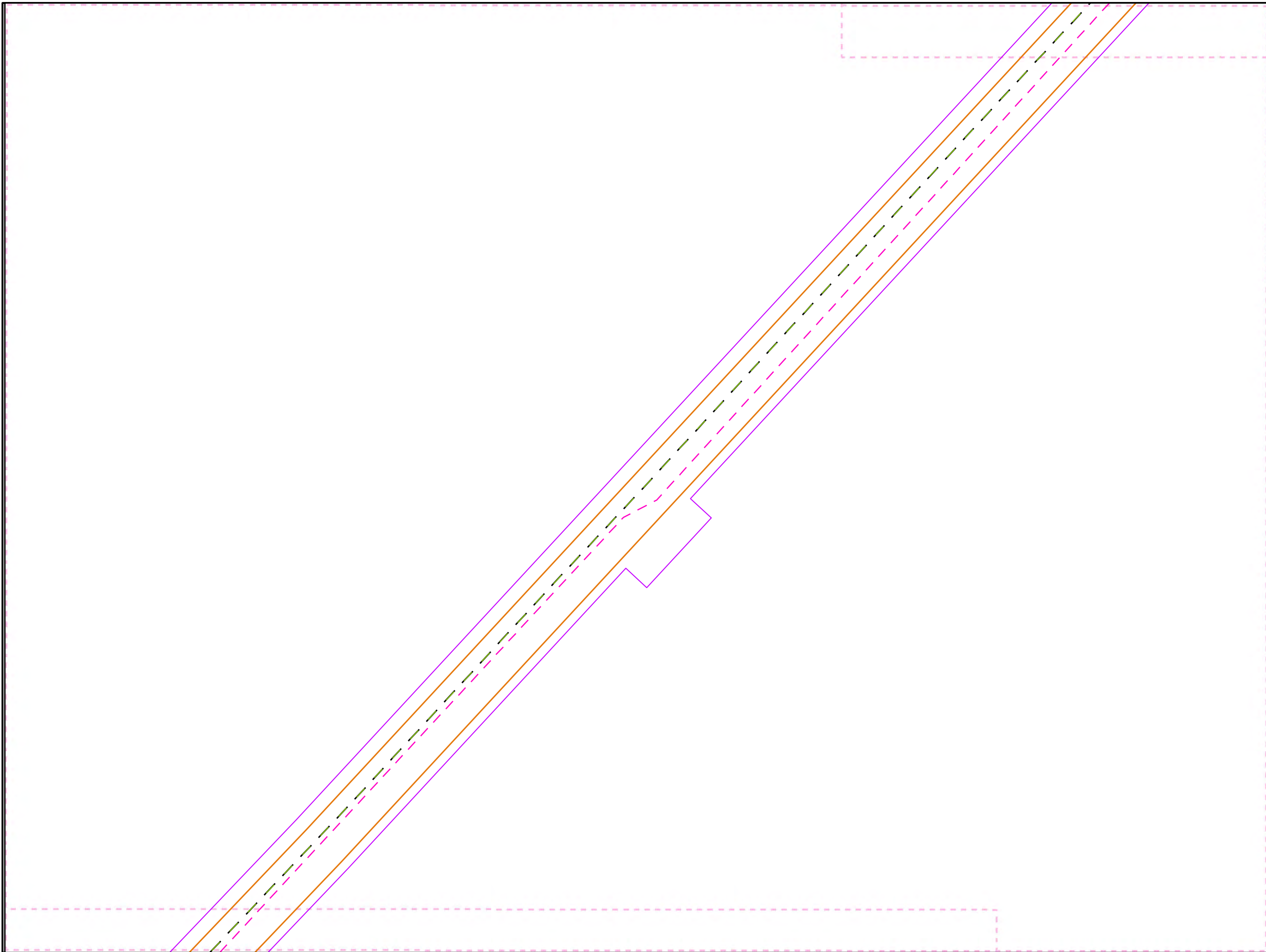


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
 113 of 179

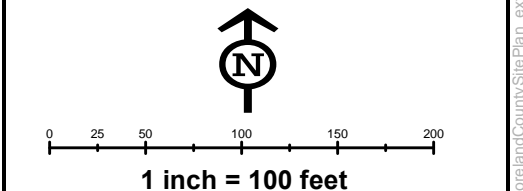
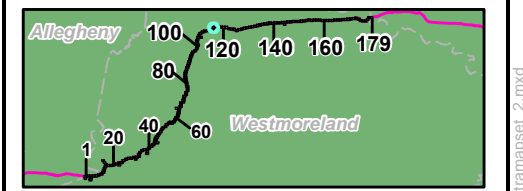
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
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  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

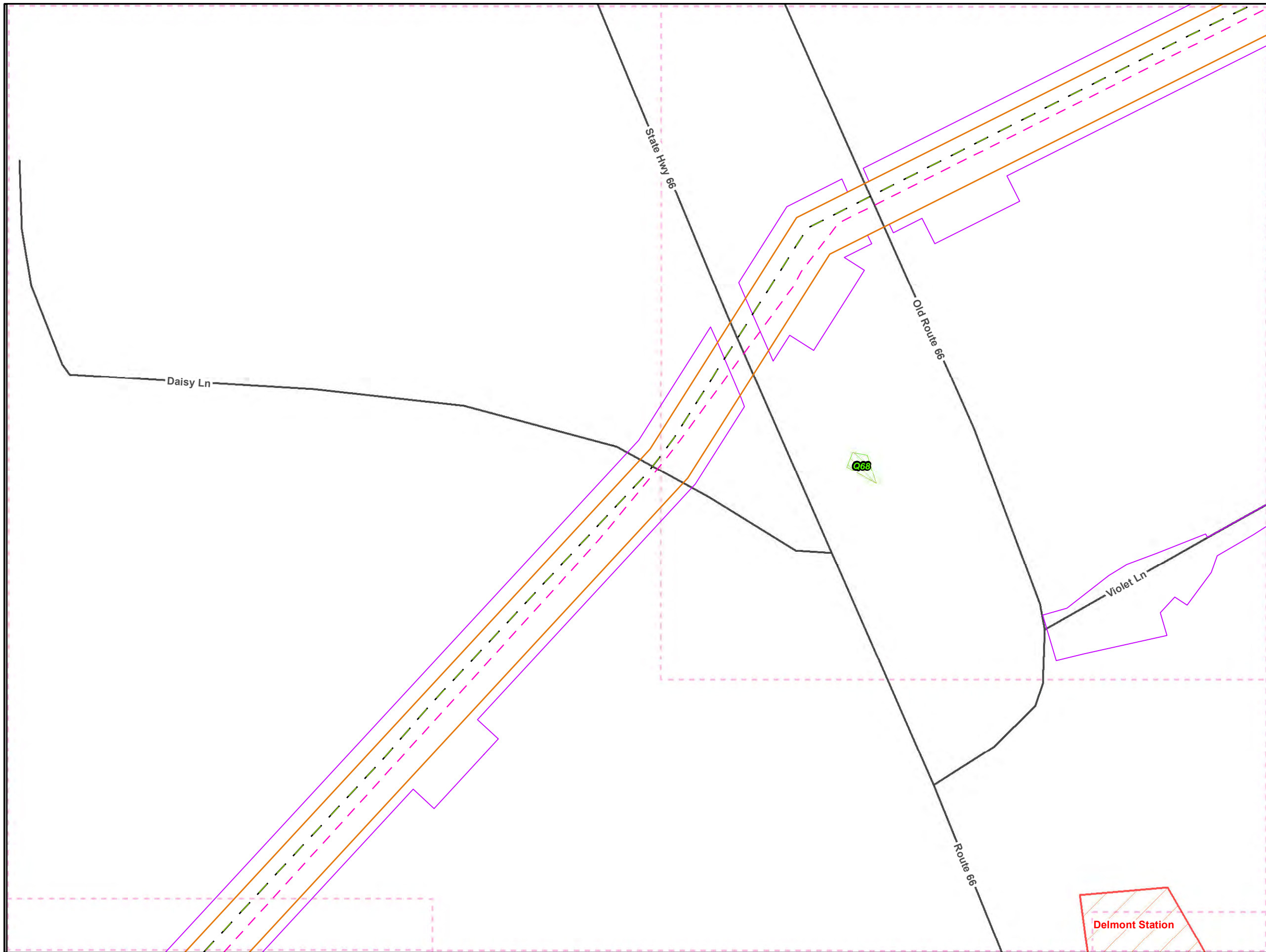


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
114 of 179**

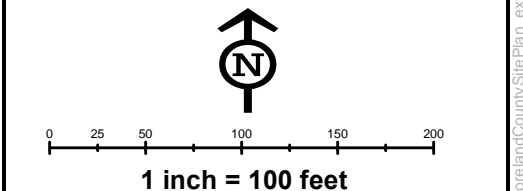
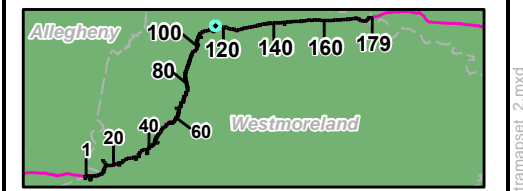
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

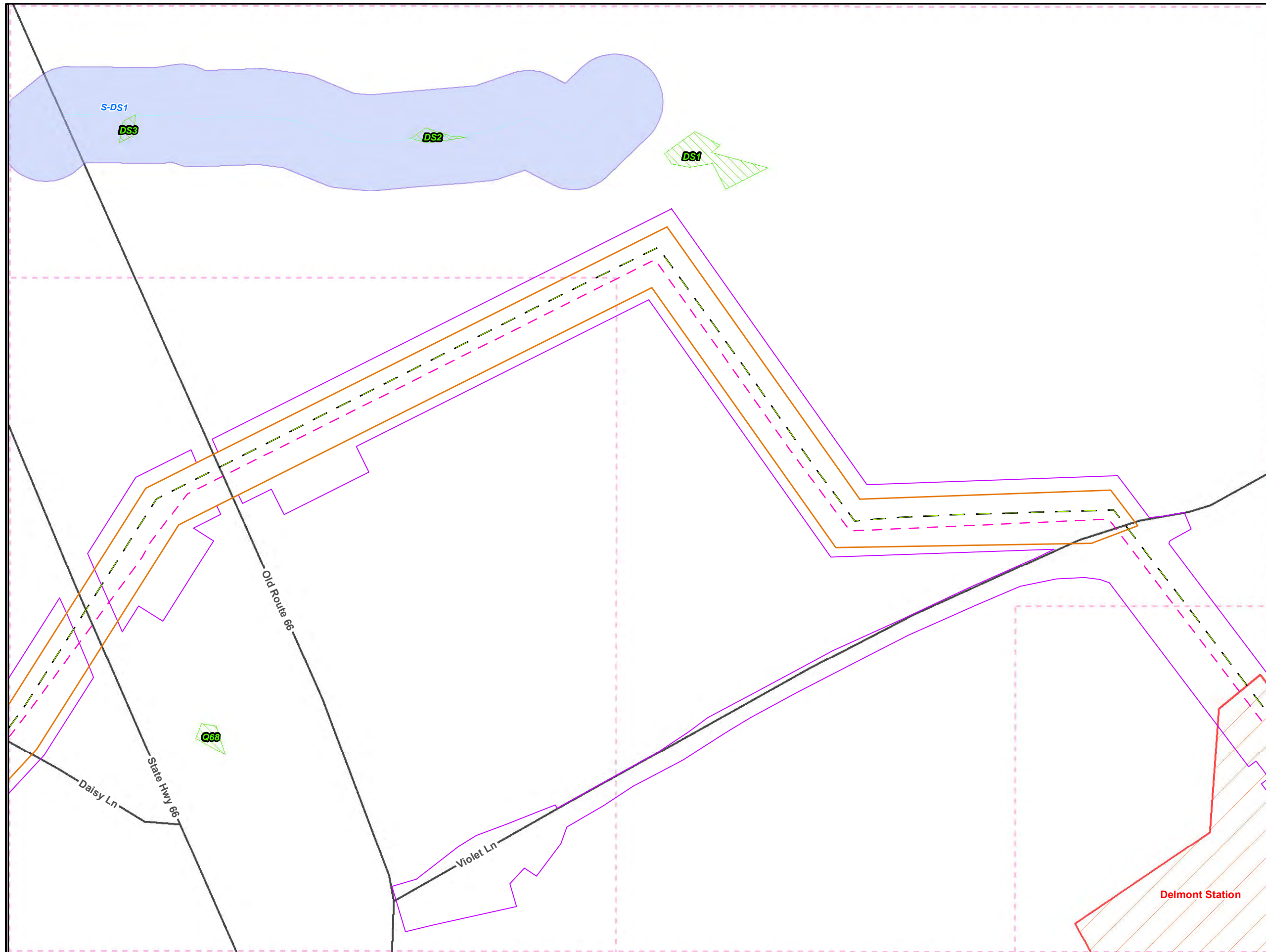


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
115 of 179**

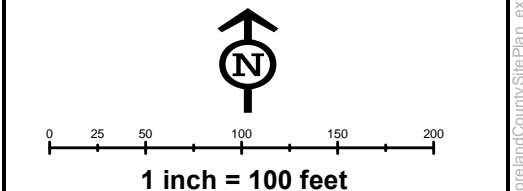
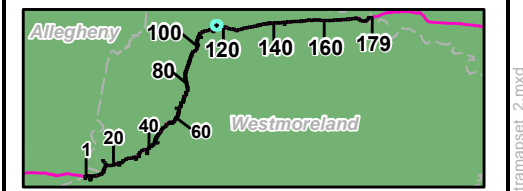
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

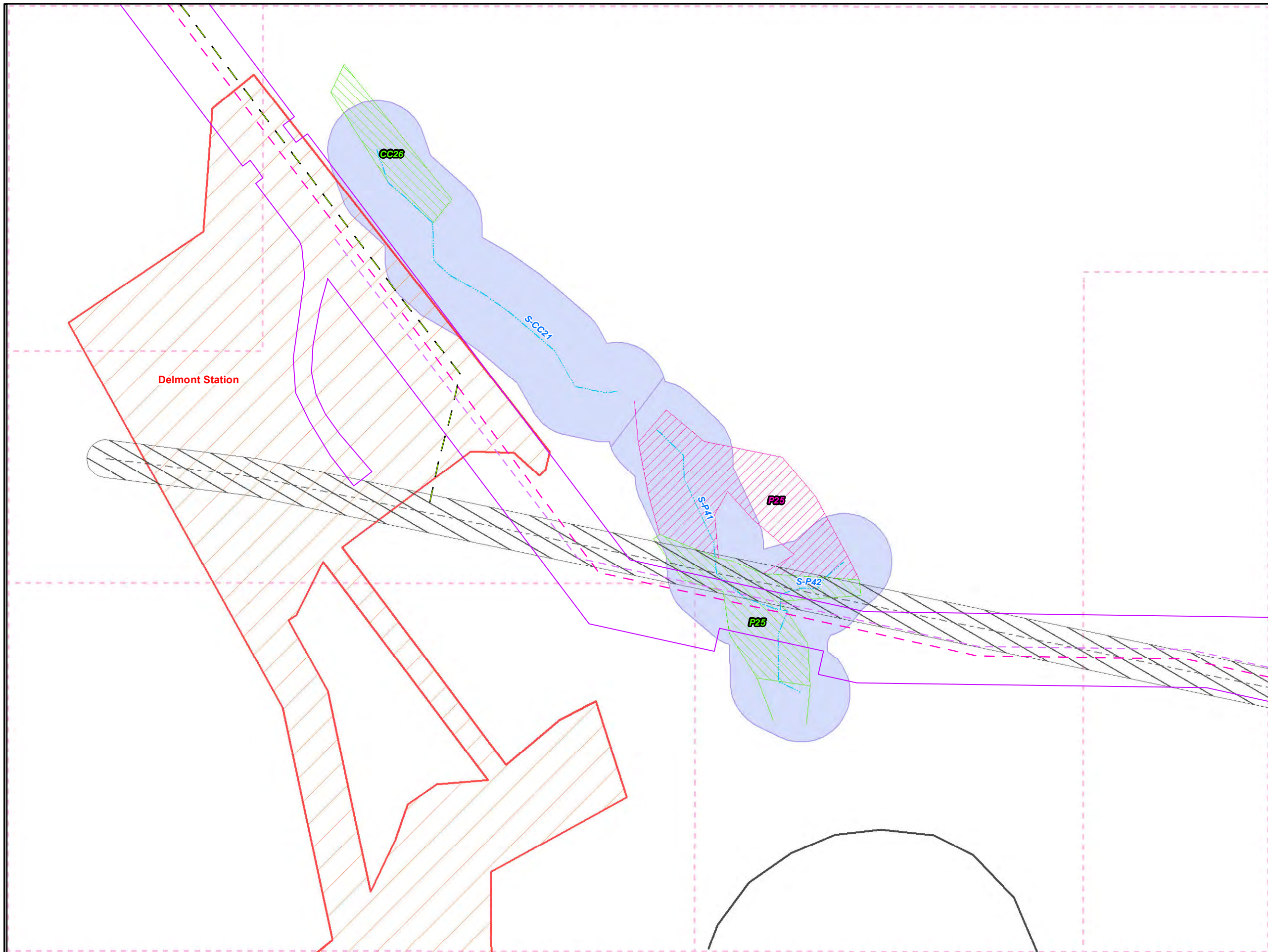


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
116 of 179**

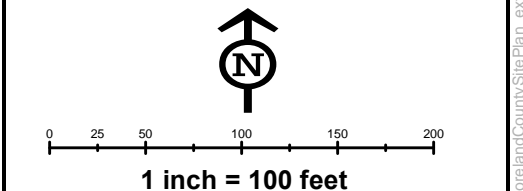
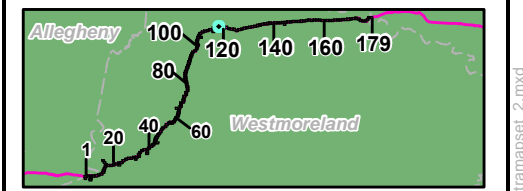
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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  - ▨ PSS Wetland
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  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

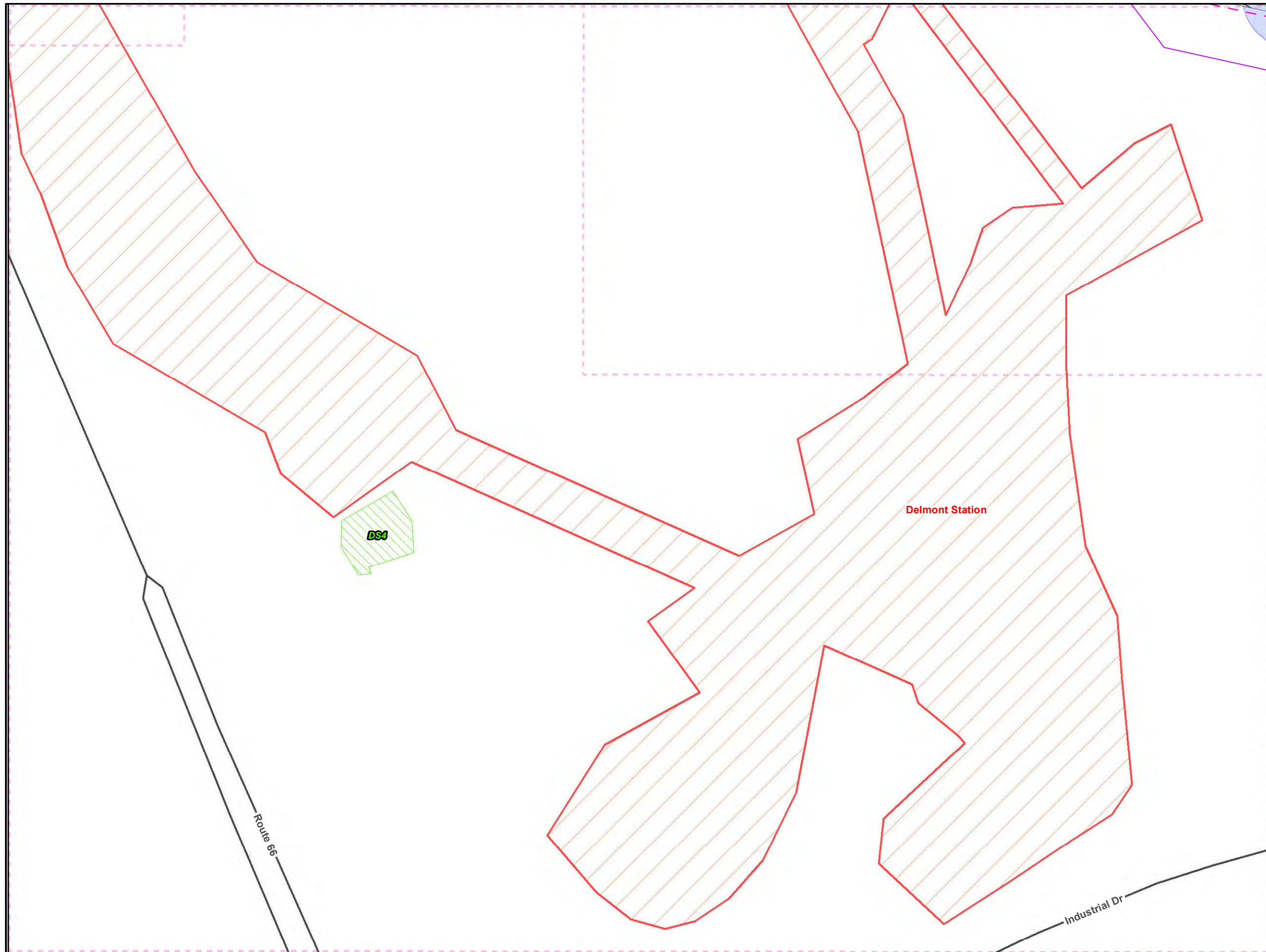


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
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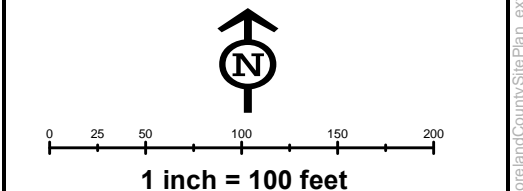
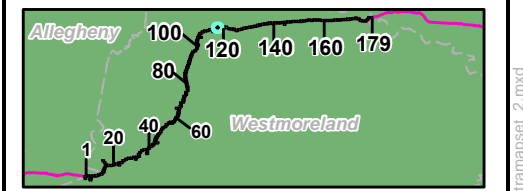
Prepared By:  **TETRA TECH** Date: **11/2016**

Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - Ephemeral Stream
  - Intermittent Stream
  - Perennial Stream
  - Pond
  - PEM Wetland
  - PFO Wetland
  - PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

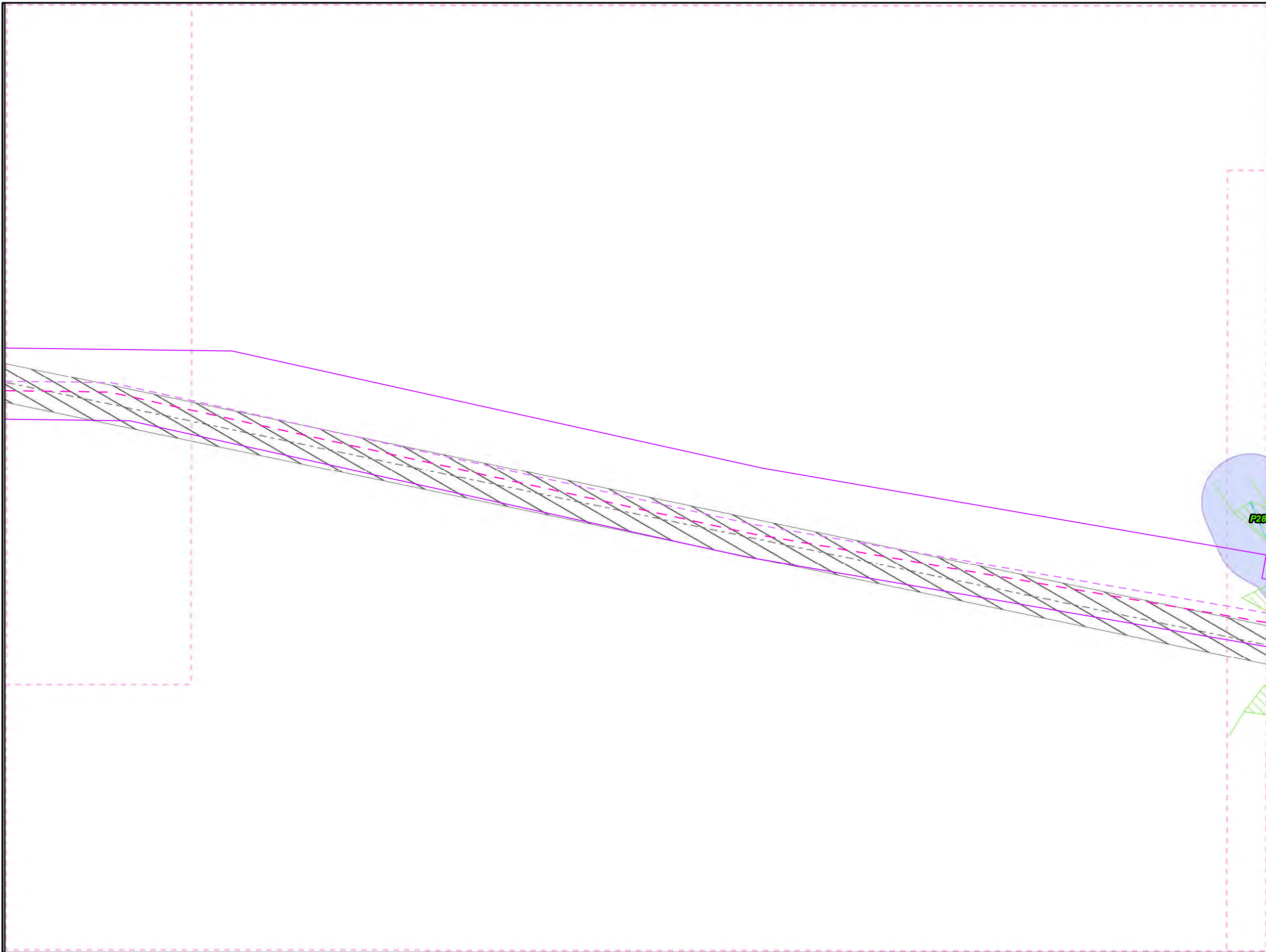


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
118 of 179**

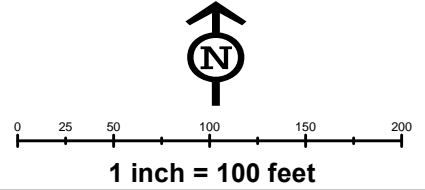
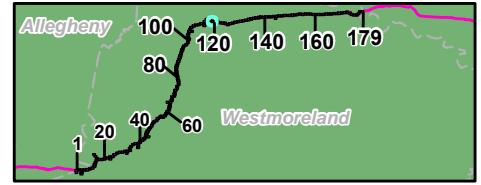
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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  - ▨ Ch. 106 Floodplain Fringe
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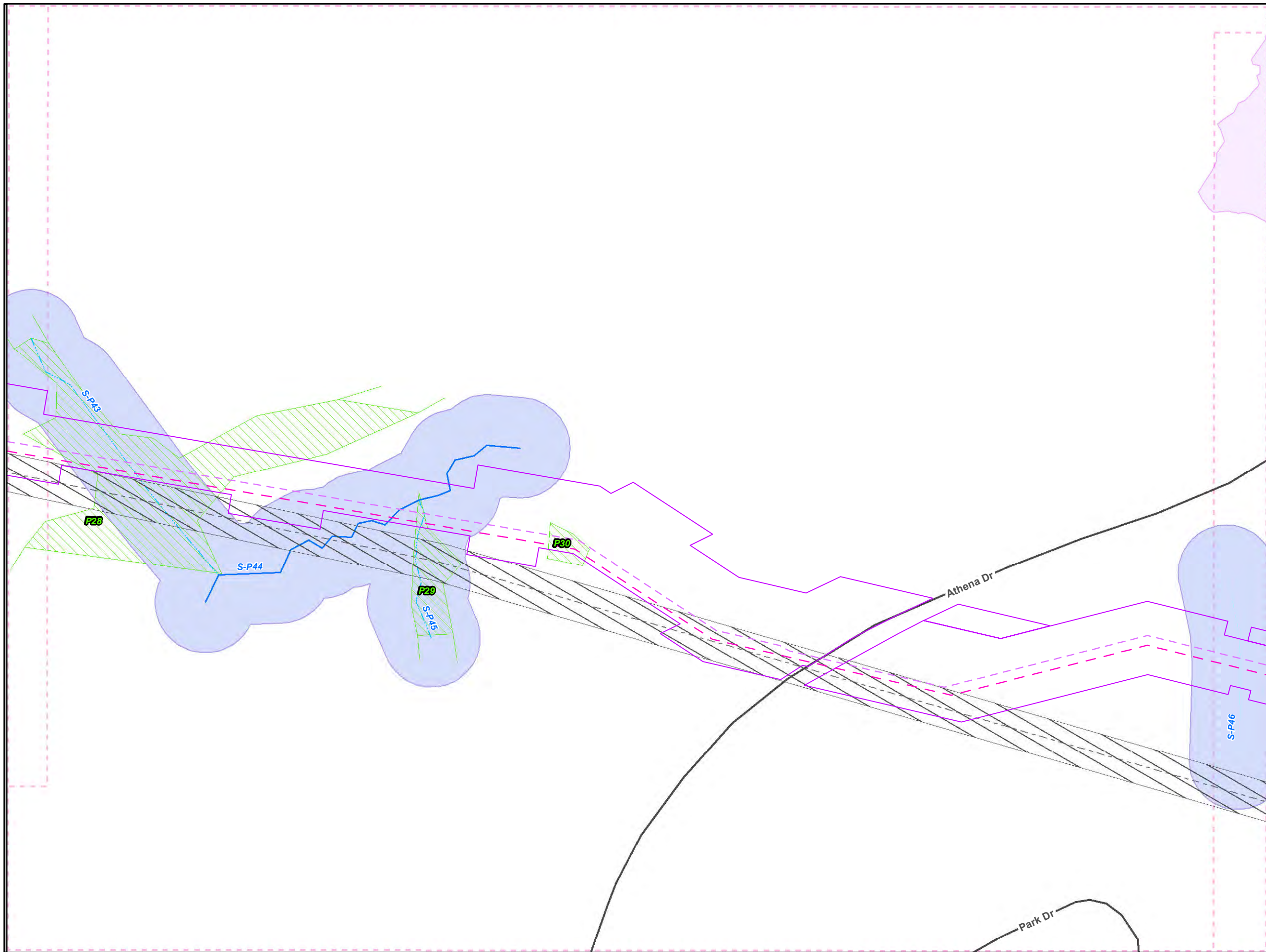


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
119 of 179

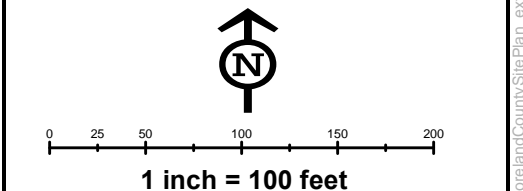
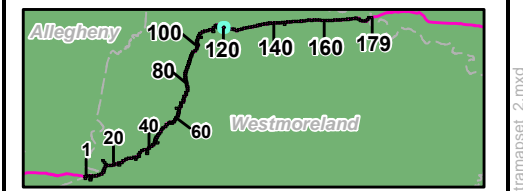
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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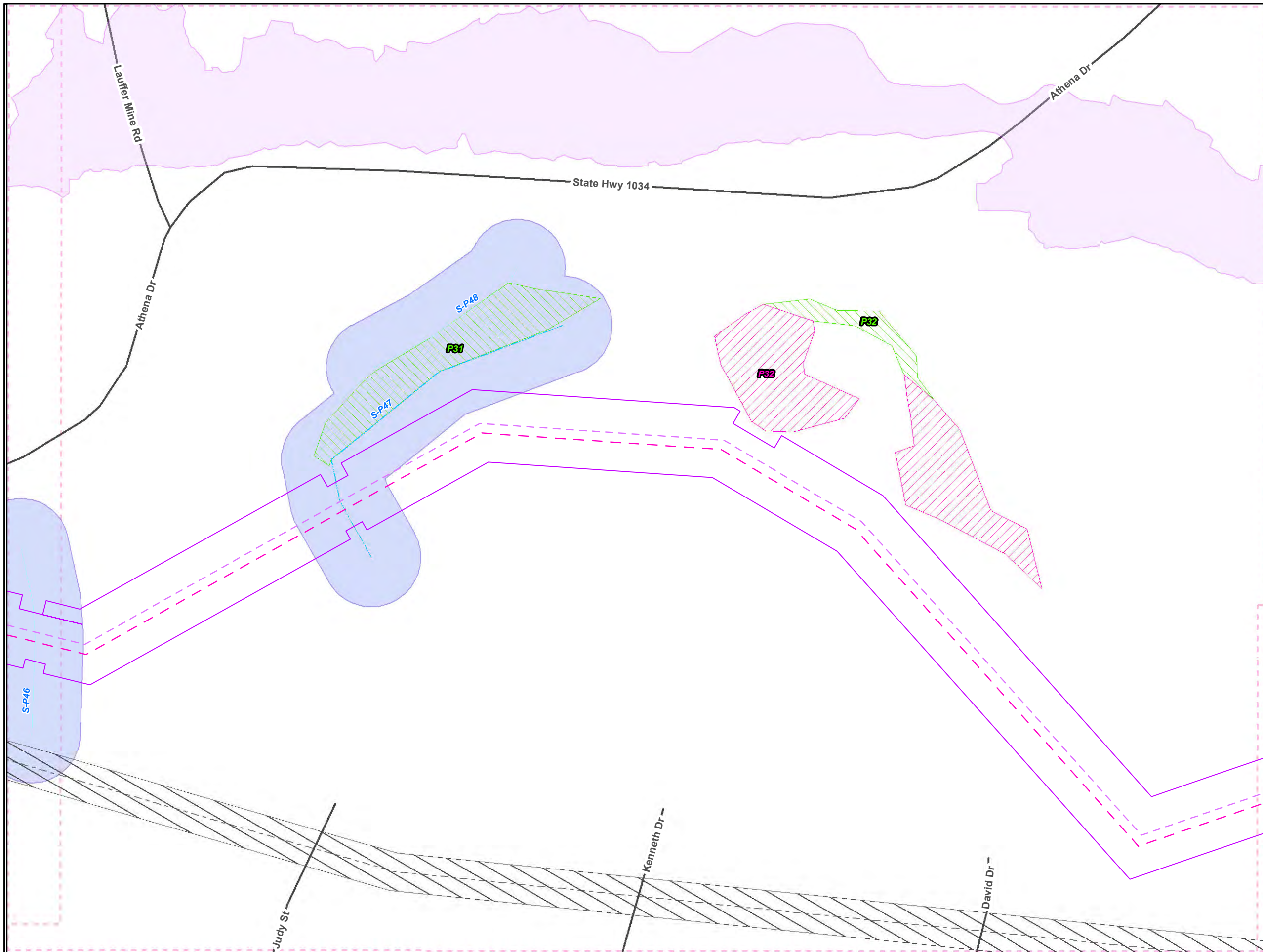


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
120 of 179**

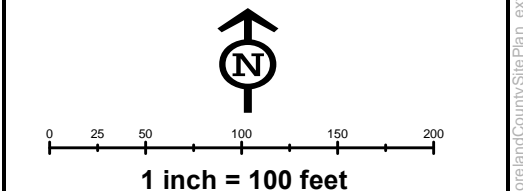
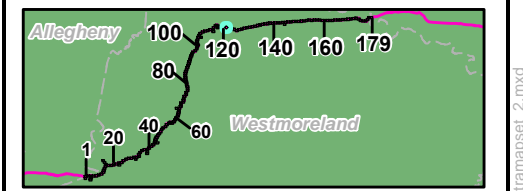
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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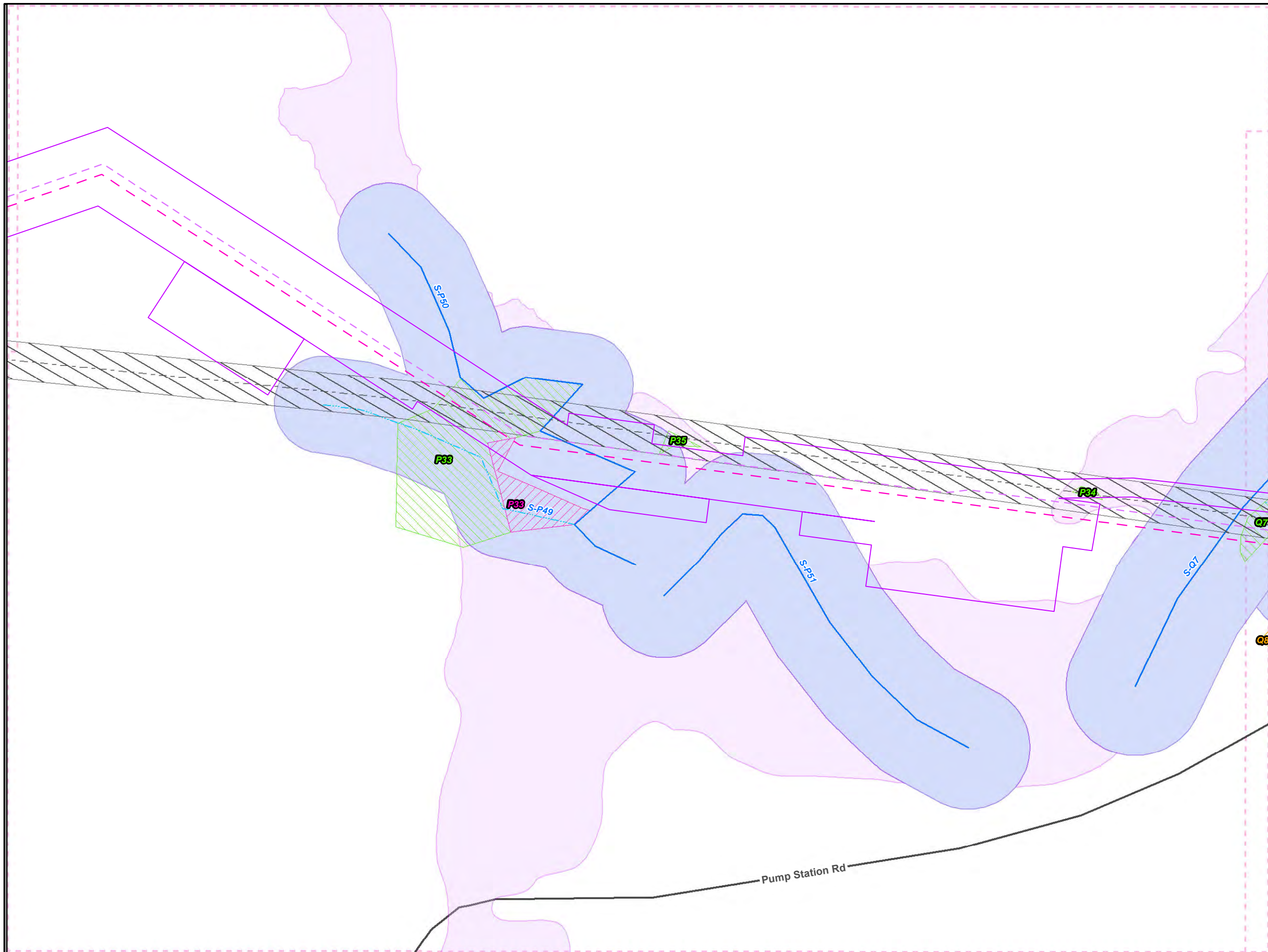


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
 121 of 179

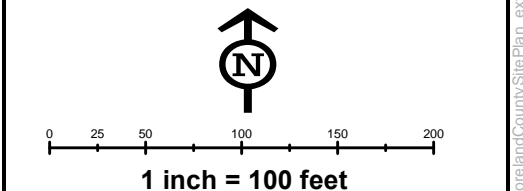
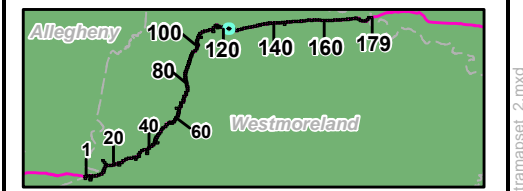
**Prepared By:** **TETRA TECH** **Date:** 11/2016

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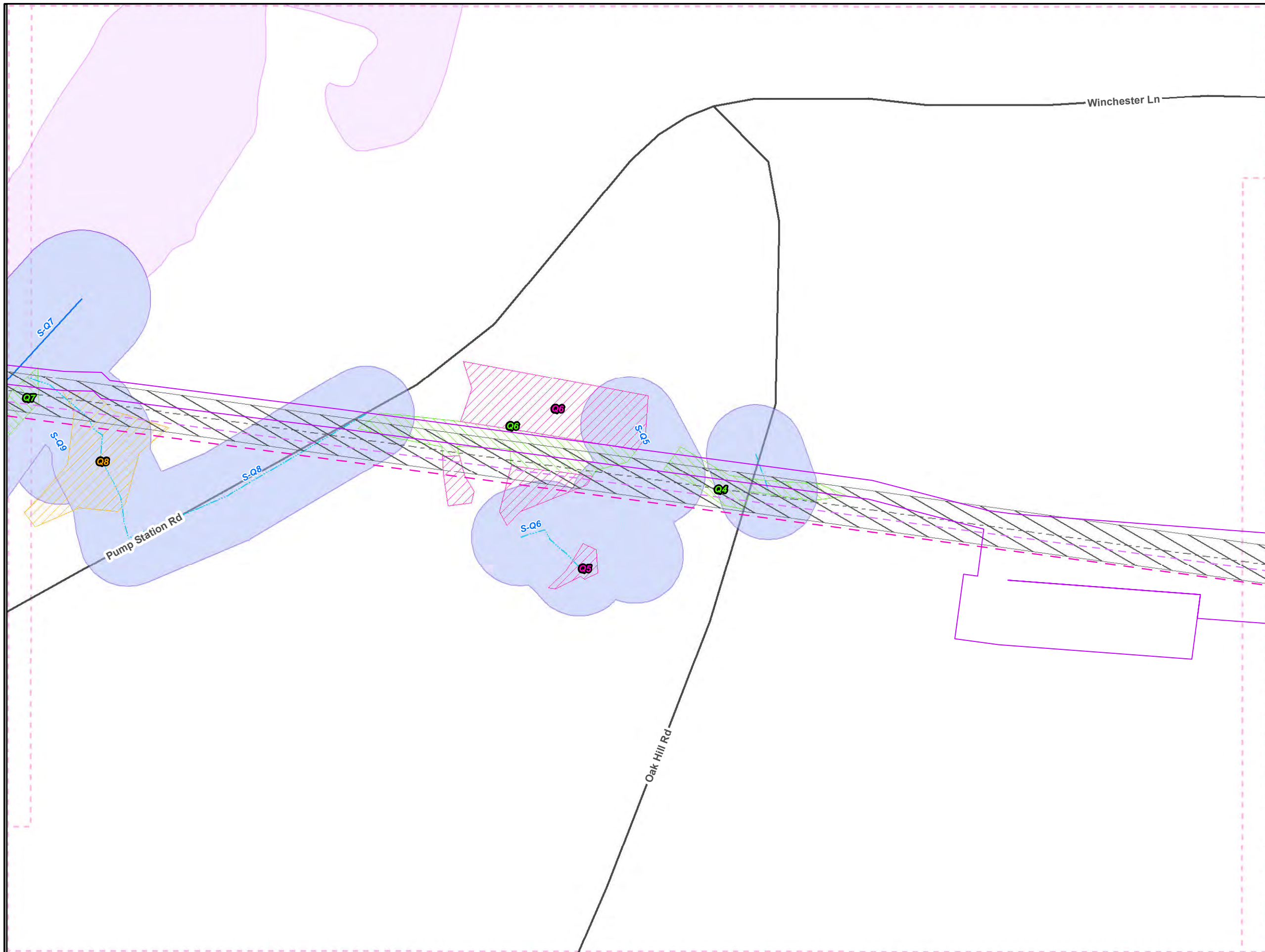


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
122 of 179

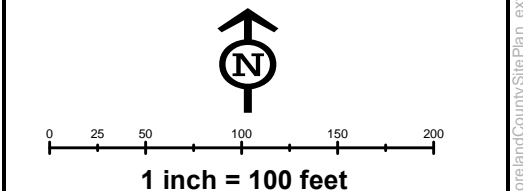
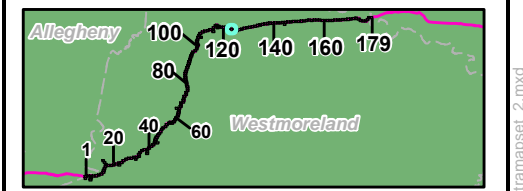
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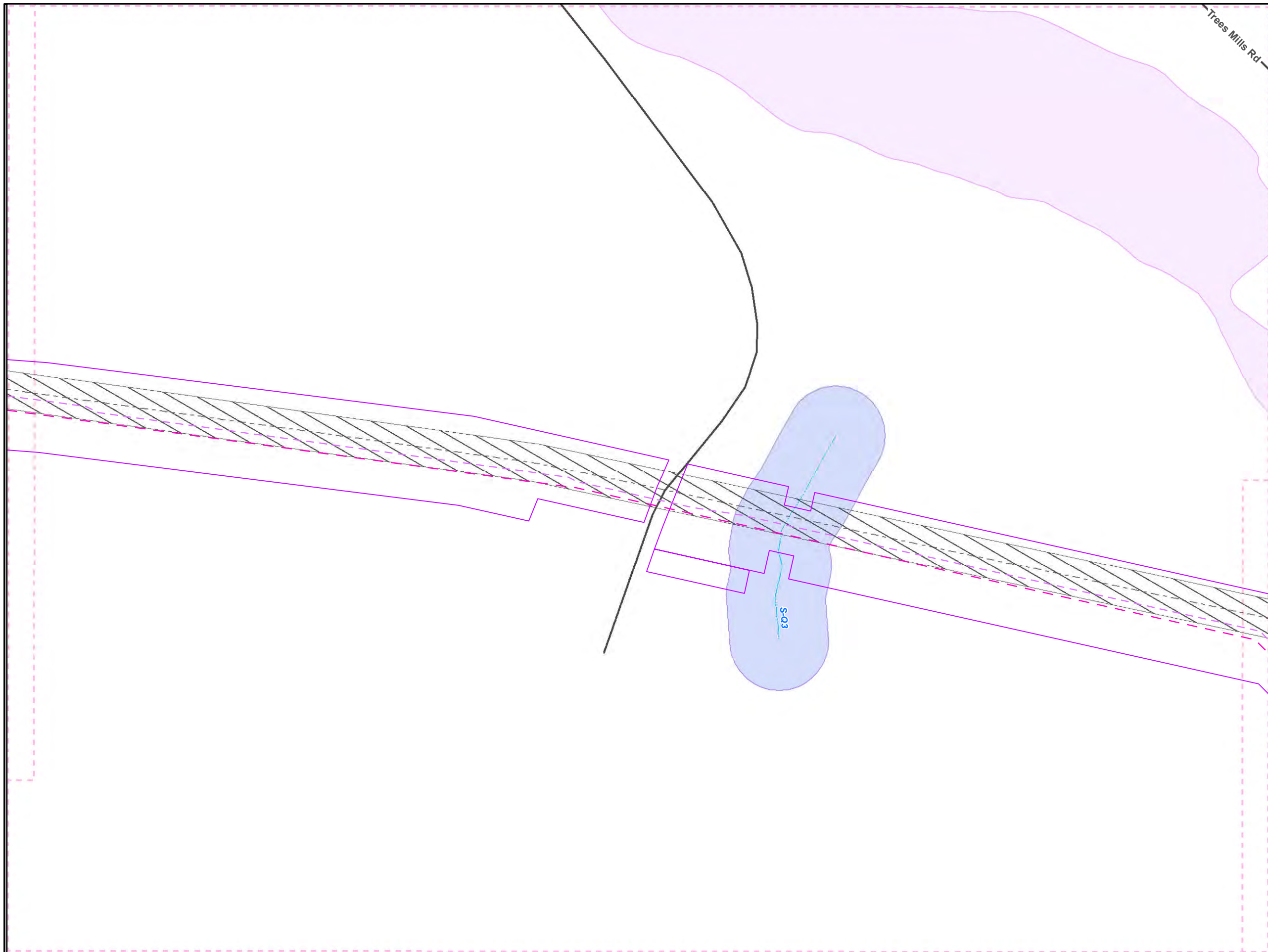


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
123 of 179

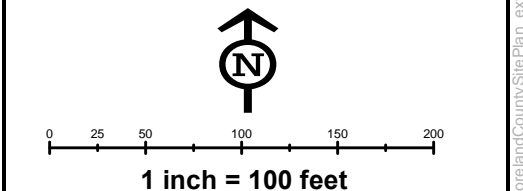
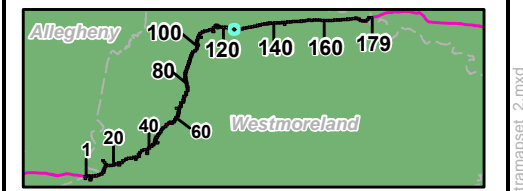
Prepared By:	Date:
TETRA TECH	11/2016

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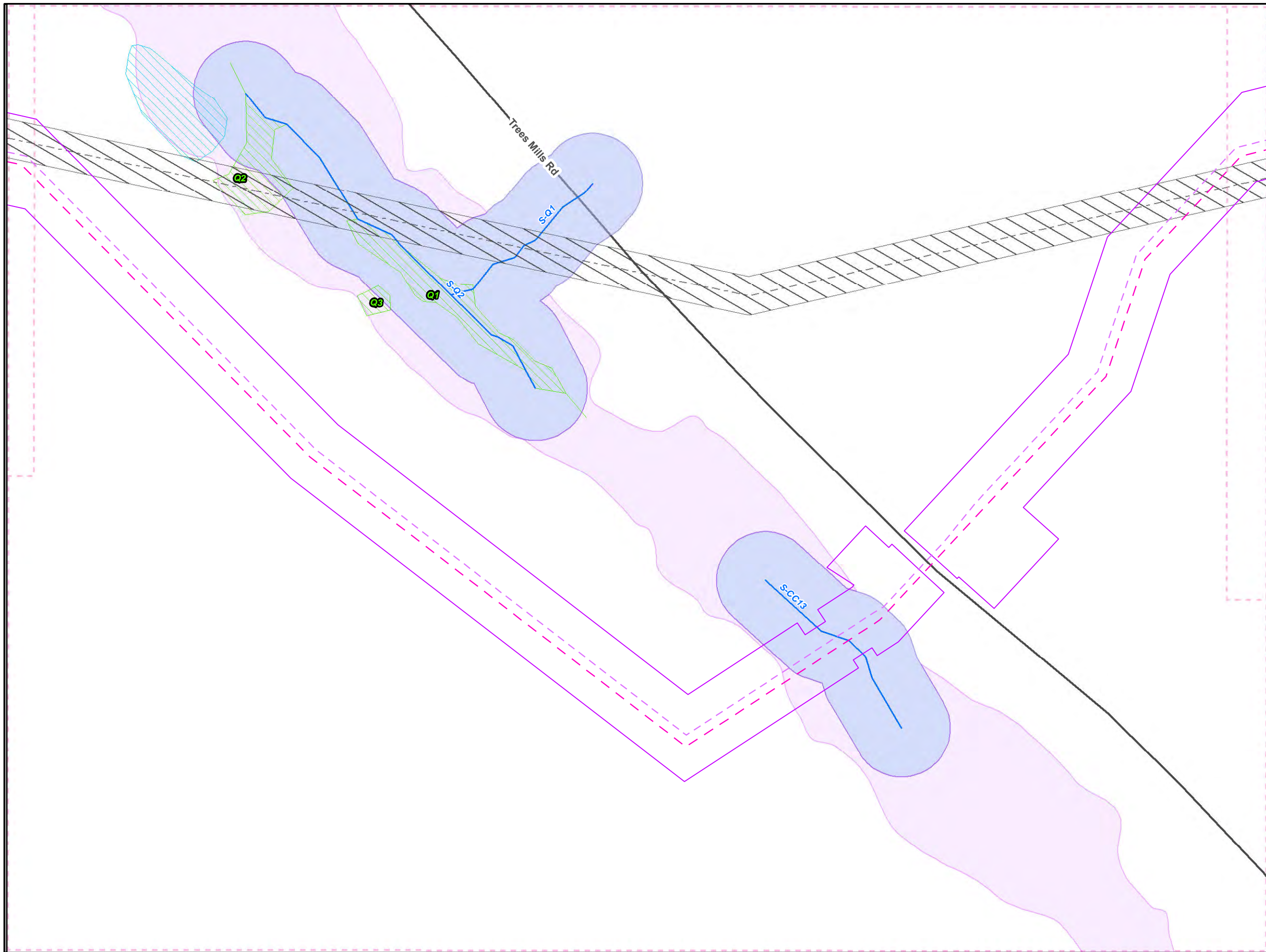


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
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124 of 179**

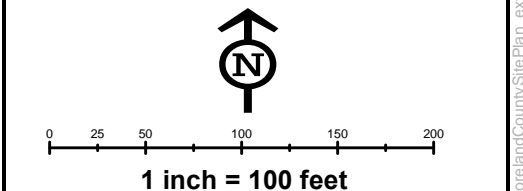
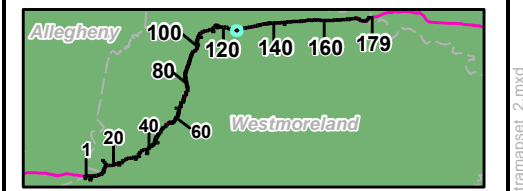
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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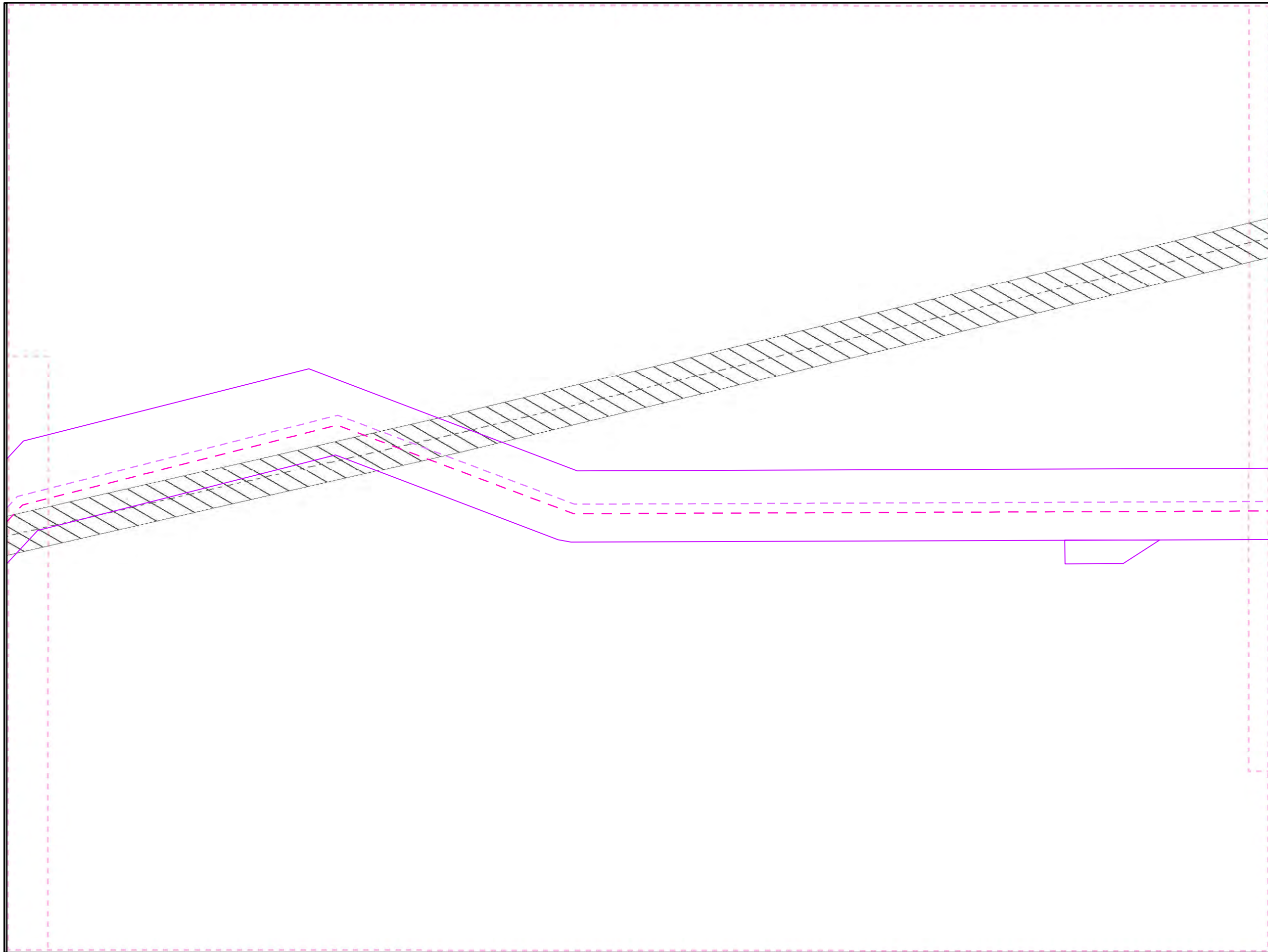


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
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125 of 179**

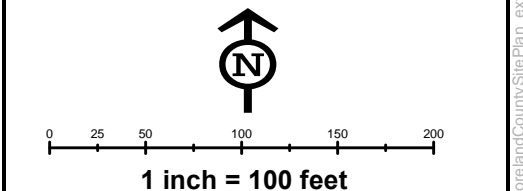
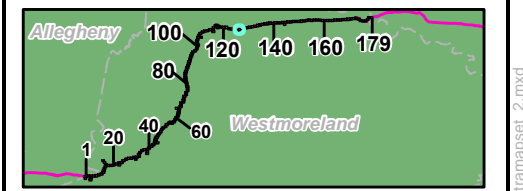
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  - Sheet Boundary

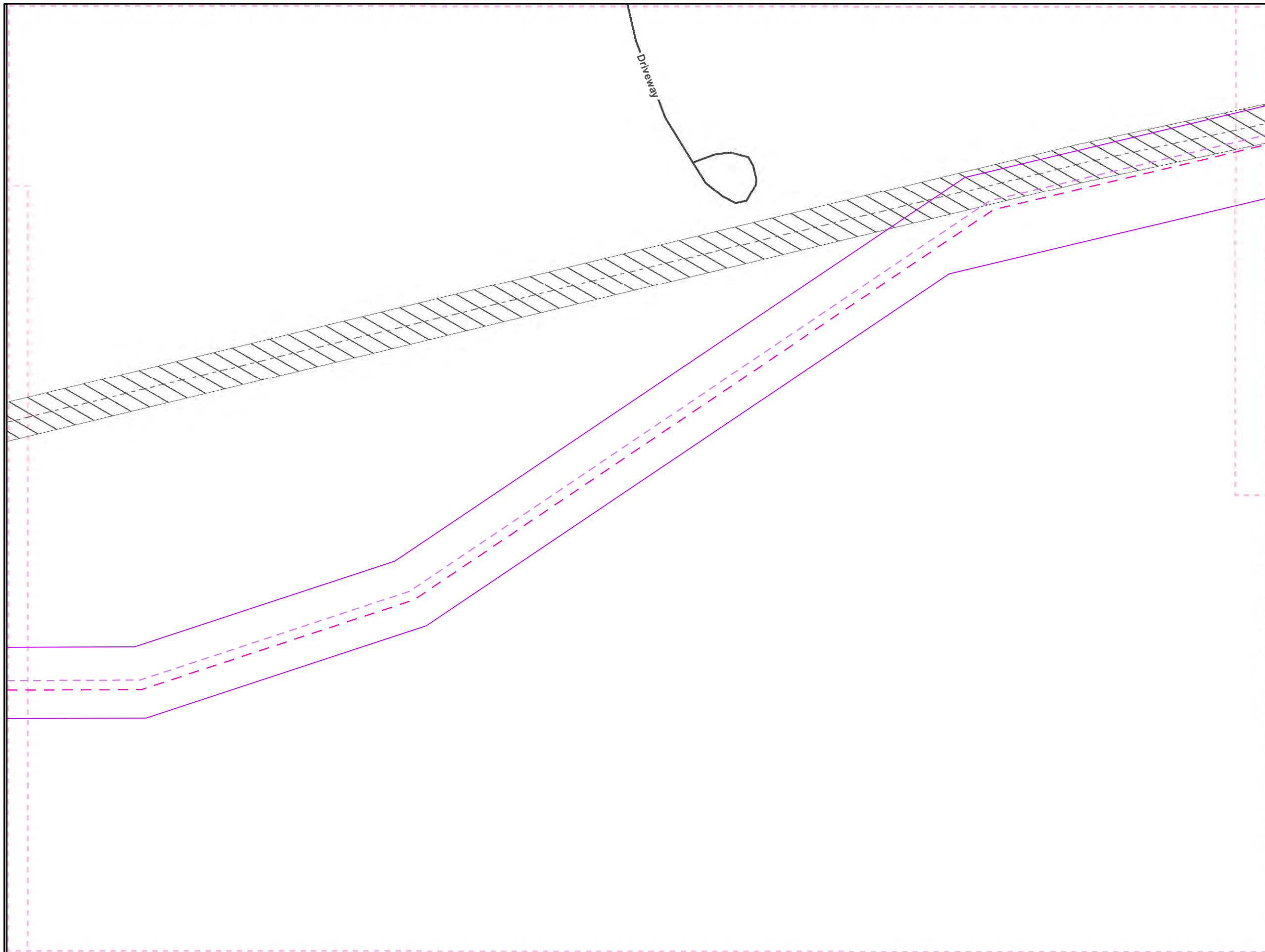


**ME1 8" and 12" Overlap with the  
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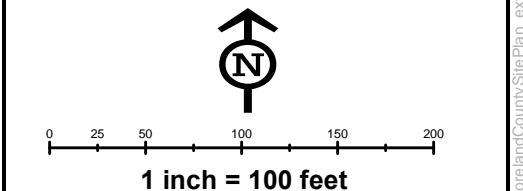
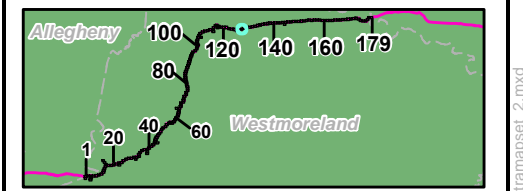
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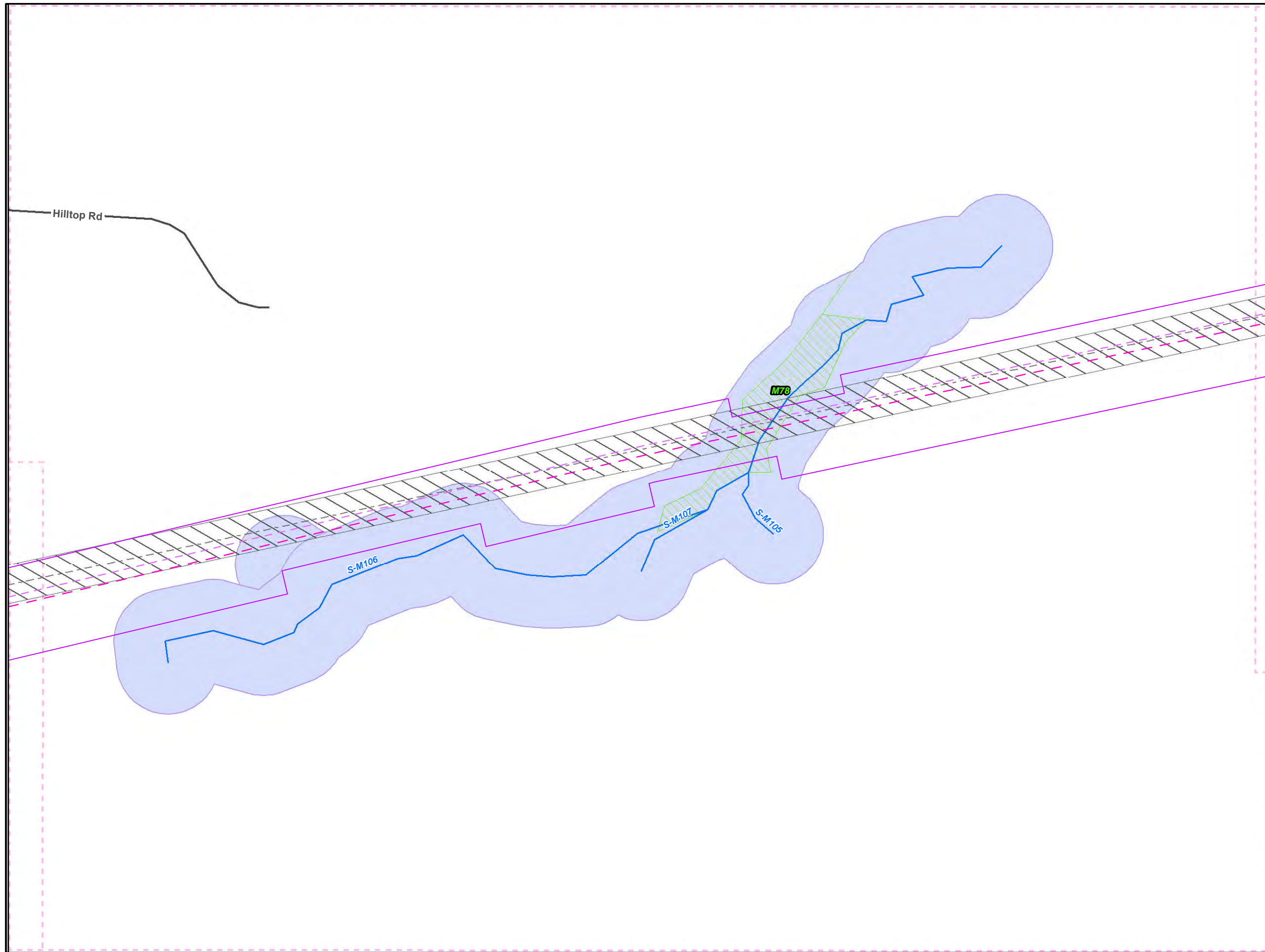


**ME1 8" and 12" Overlap with the  
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127 of 179**

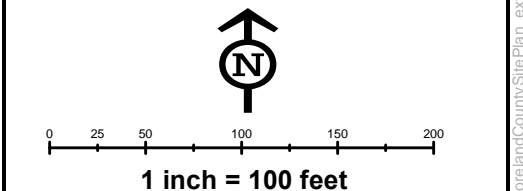
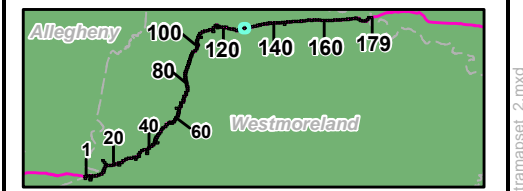
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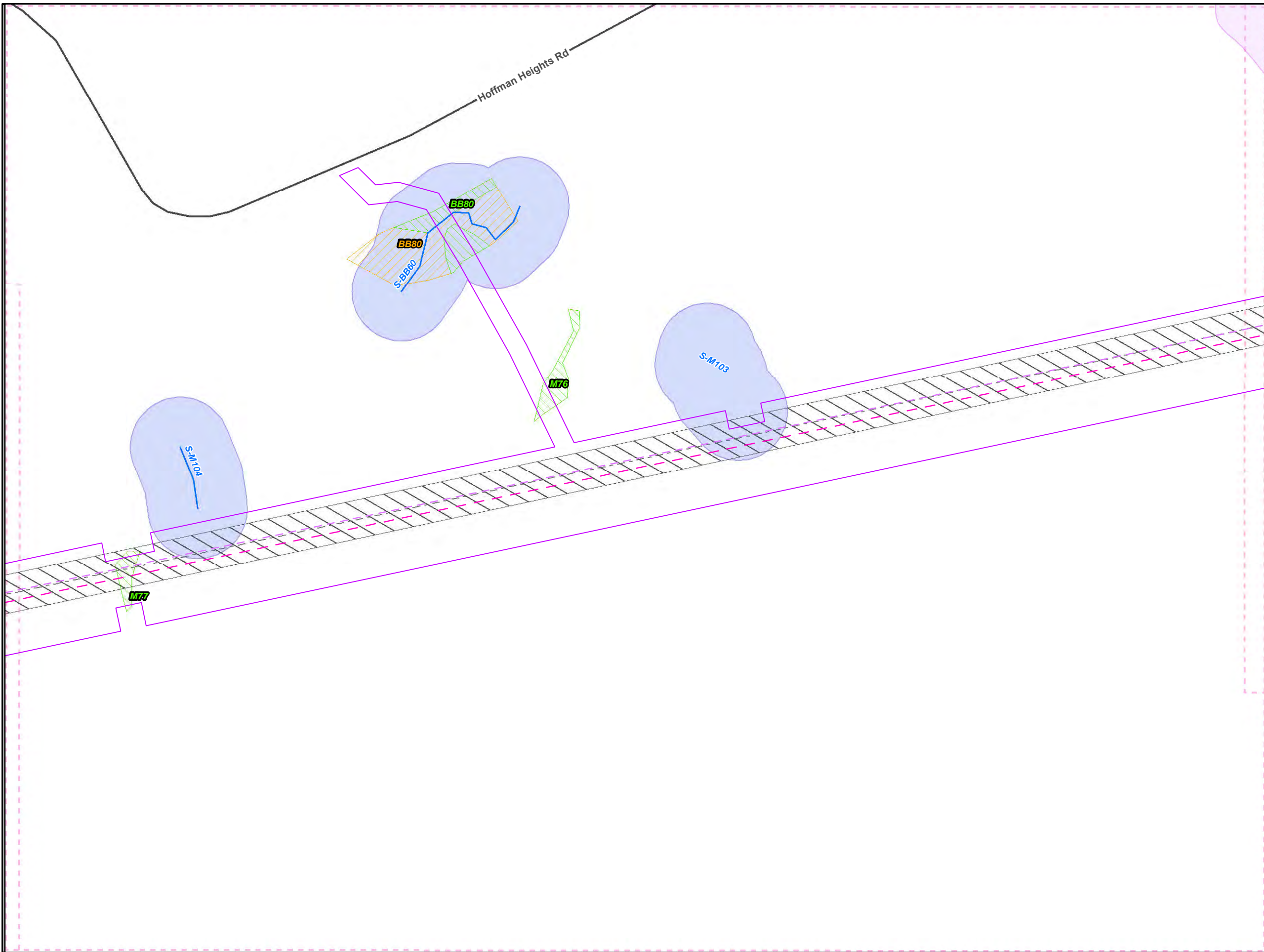


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128 of 179**

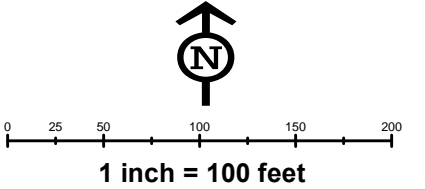
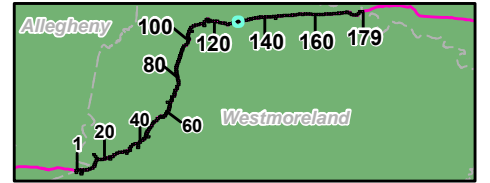
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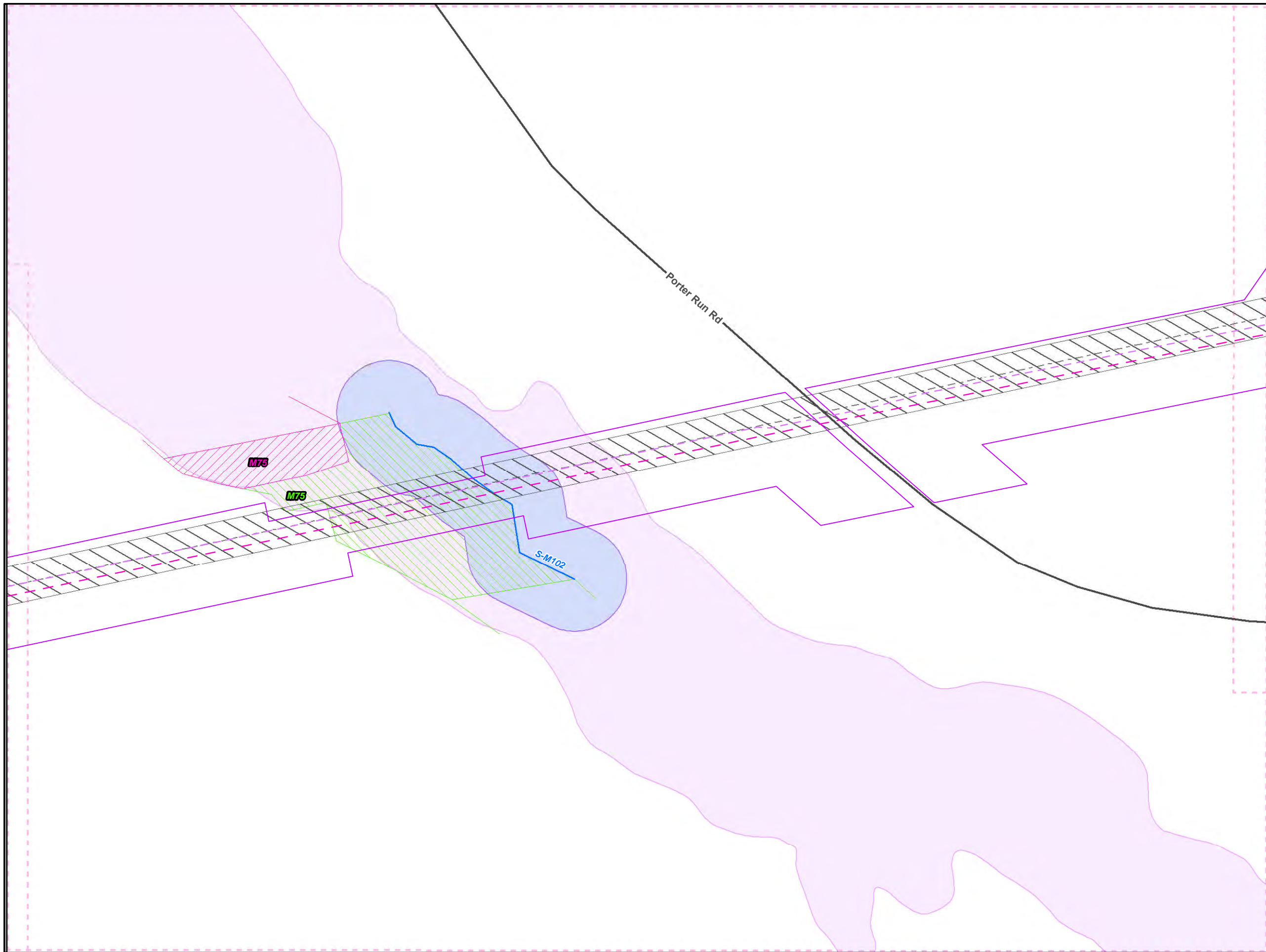


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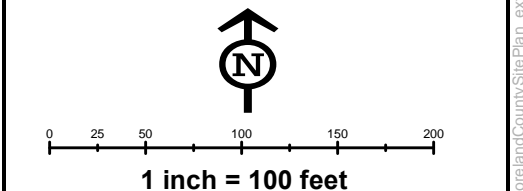
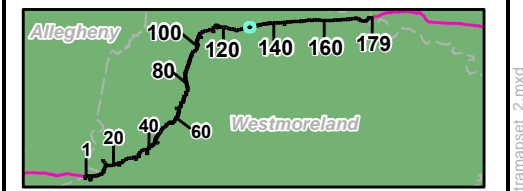
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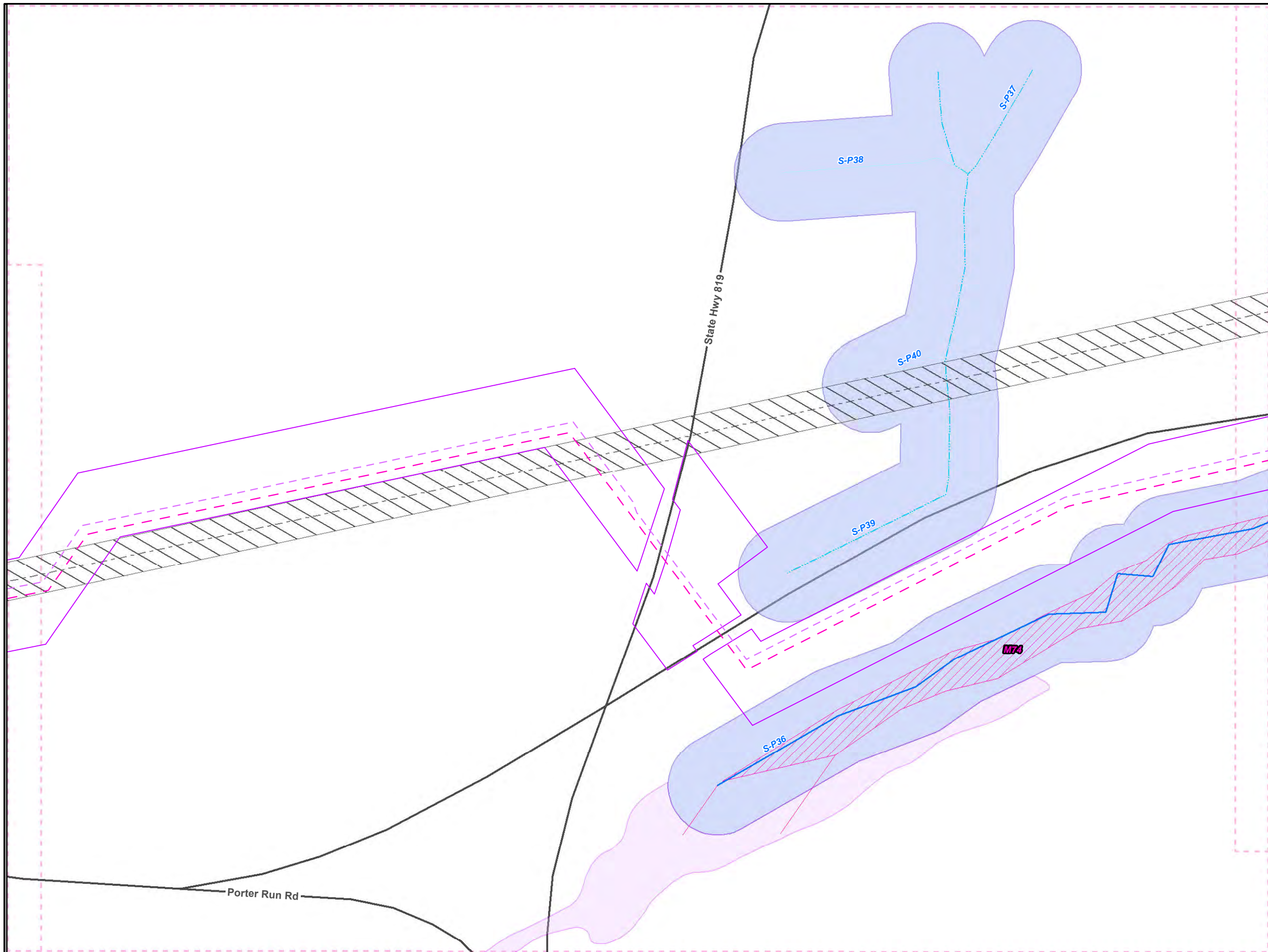


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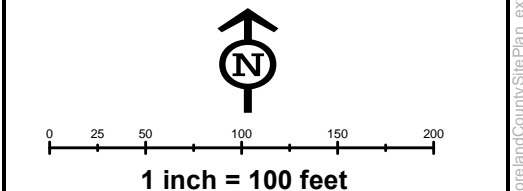
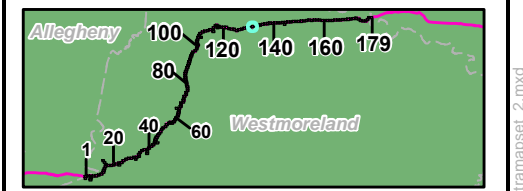
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  - Roads
  - Sheet Boundary

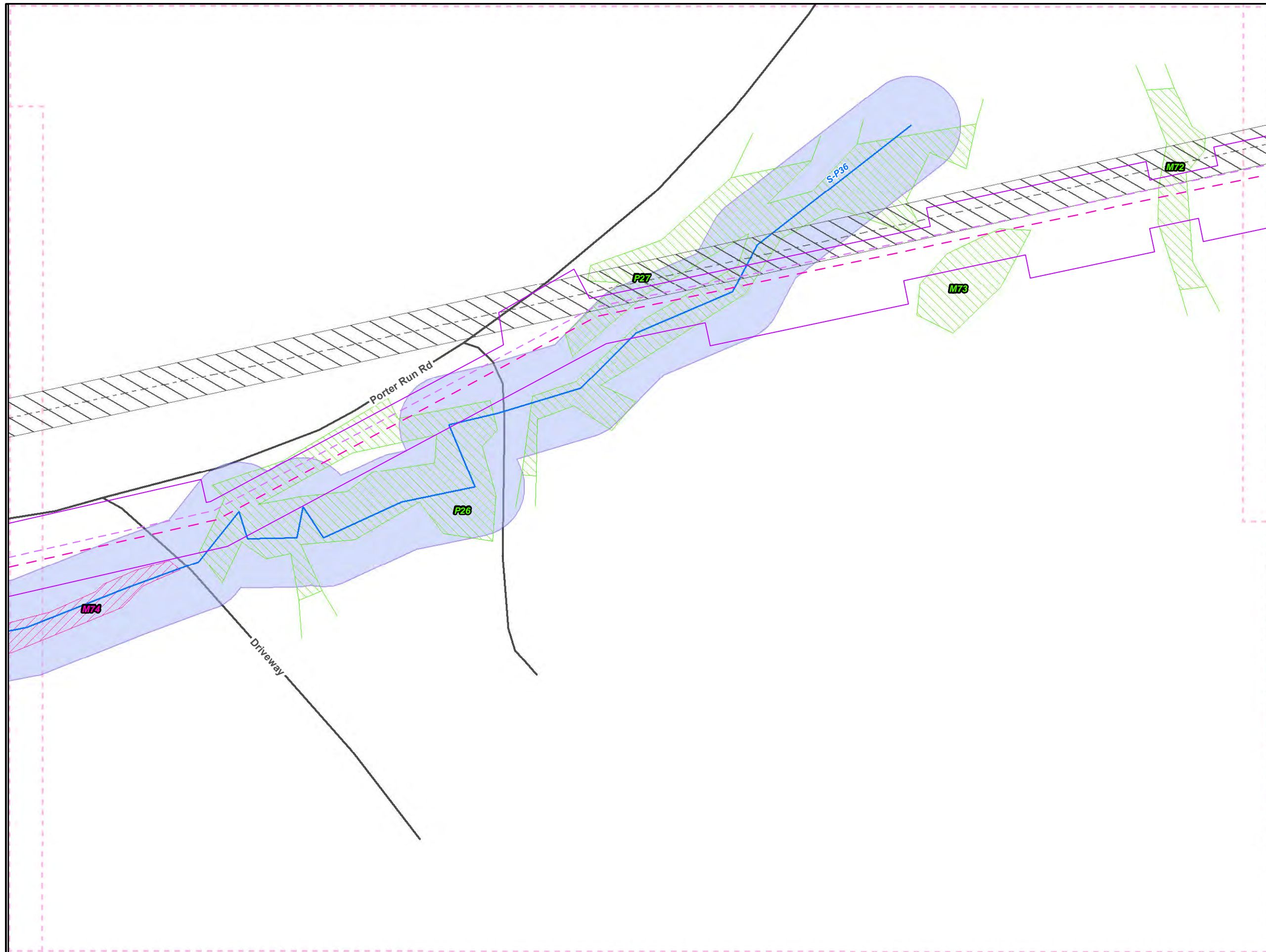


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
131 of 179

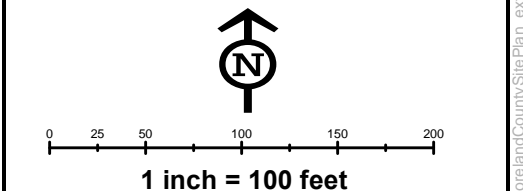
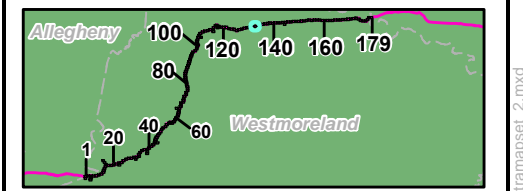
Prepared By: TETRA TECH Date: 11/2016

Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - ▨ Ch. 105 Floodways
  - ▨ Waived Ch. 105 Floodways
  - ▨ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

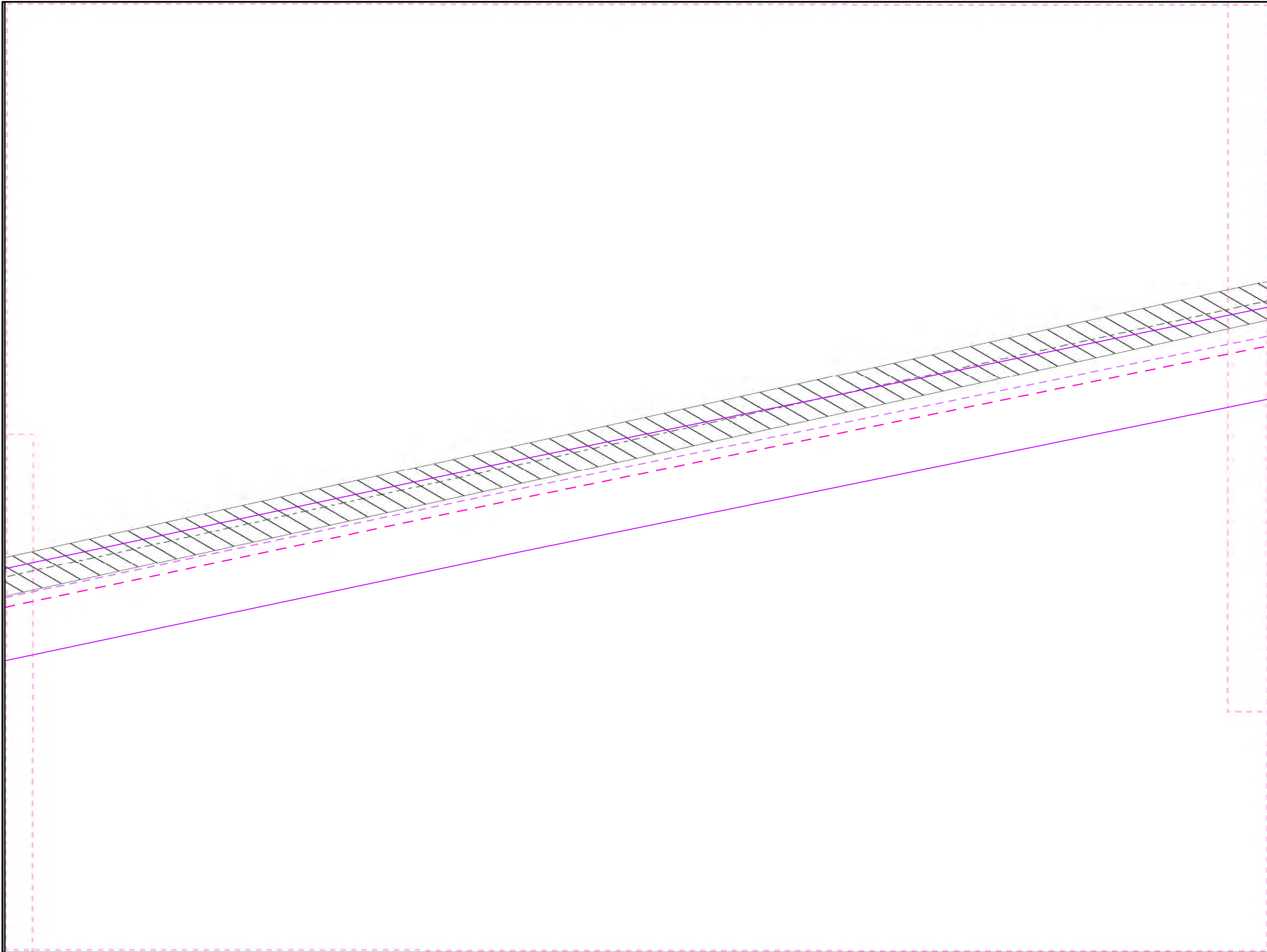


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
132 of 179**

<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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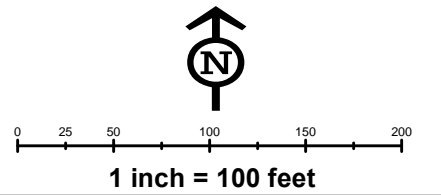
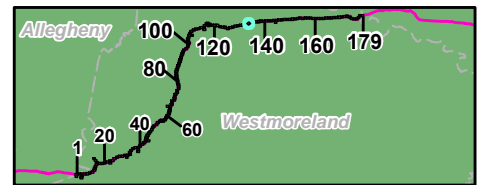
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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**Legend**

- PPP 1
- PPP 2
- PPP LOD
- / / 8" Centerline
- 8" Pipeline Maintenance Corridor
- ME1 12" Centerline
- ME1 12" Perm ROW
- Stations
- ~ Ephemeral Stream
- ~ Intermittent Stream
- ~ Perennial Stream
- ~ Pond
- ~ PEM Wetland
- ~ PFO Wetland
- ~ PSS Wetland
- ~ Ch. 105 Floodways
- ~ Waived Ch. 105 Floodways
- ~ Ch. 106 Floodplain Fringe
- Roads
- Sheet Boundary

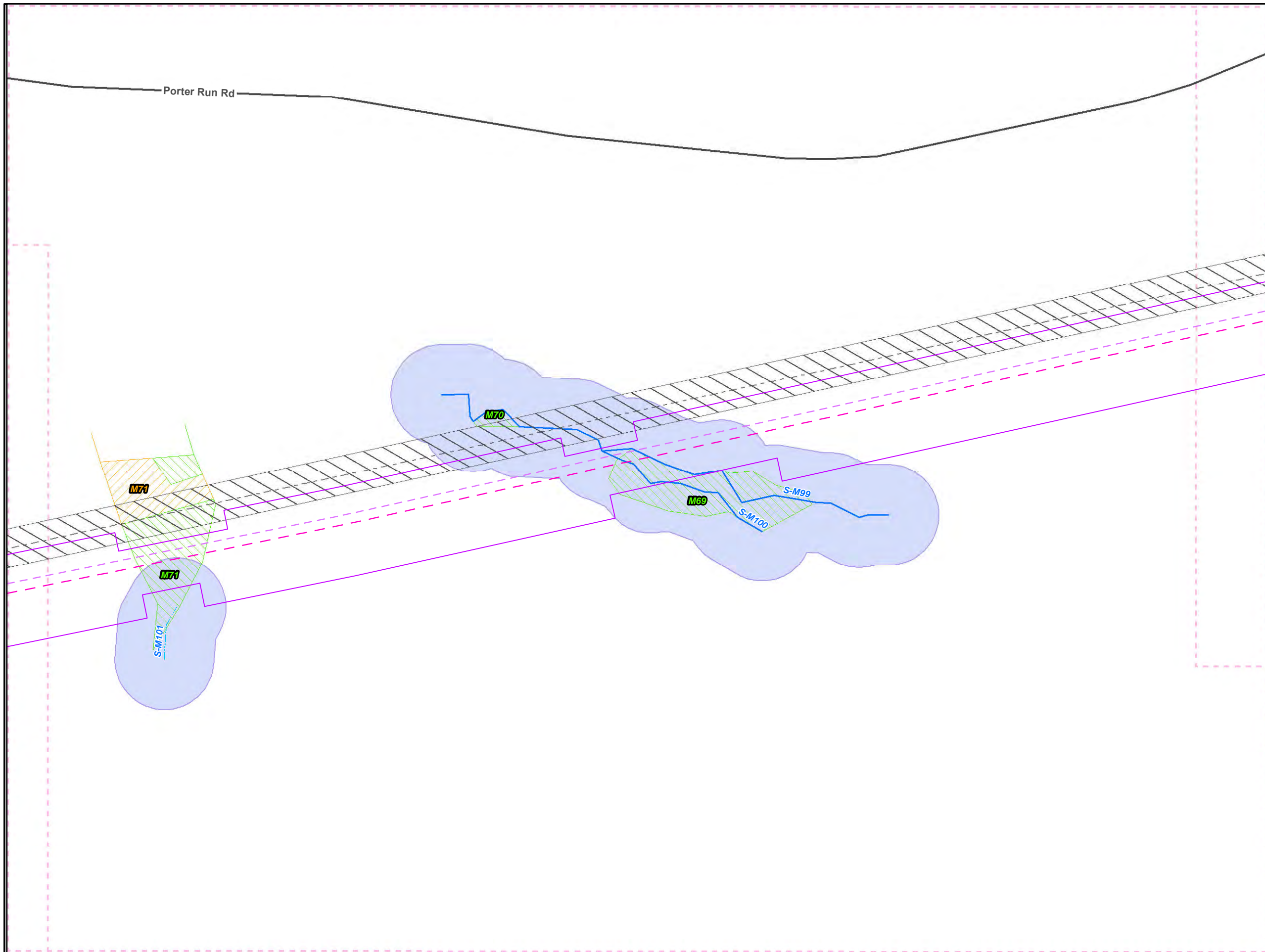


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
133 of 179**

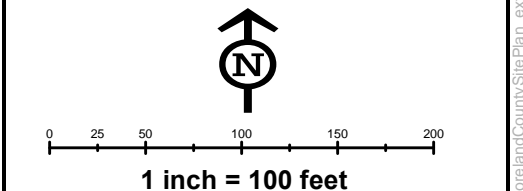
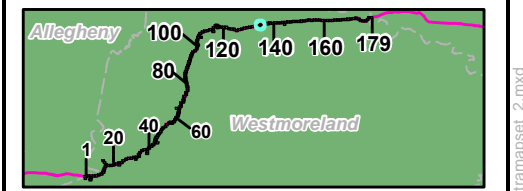
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

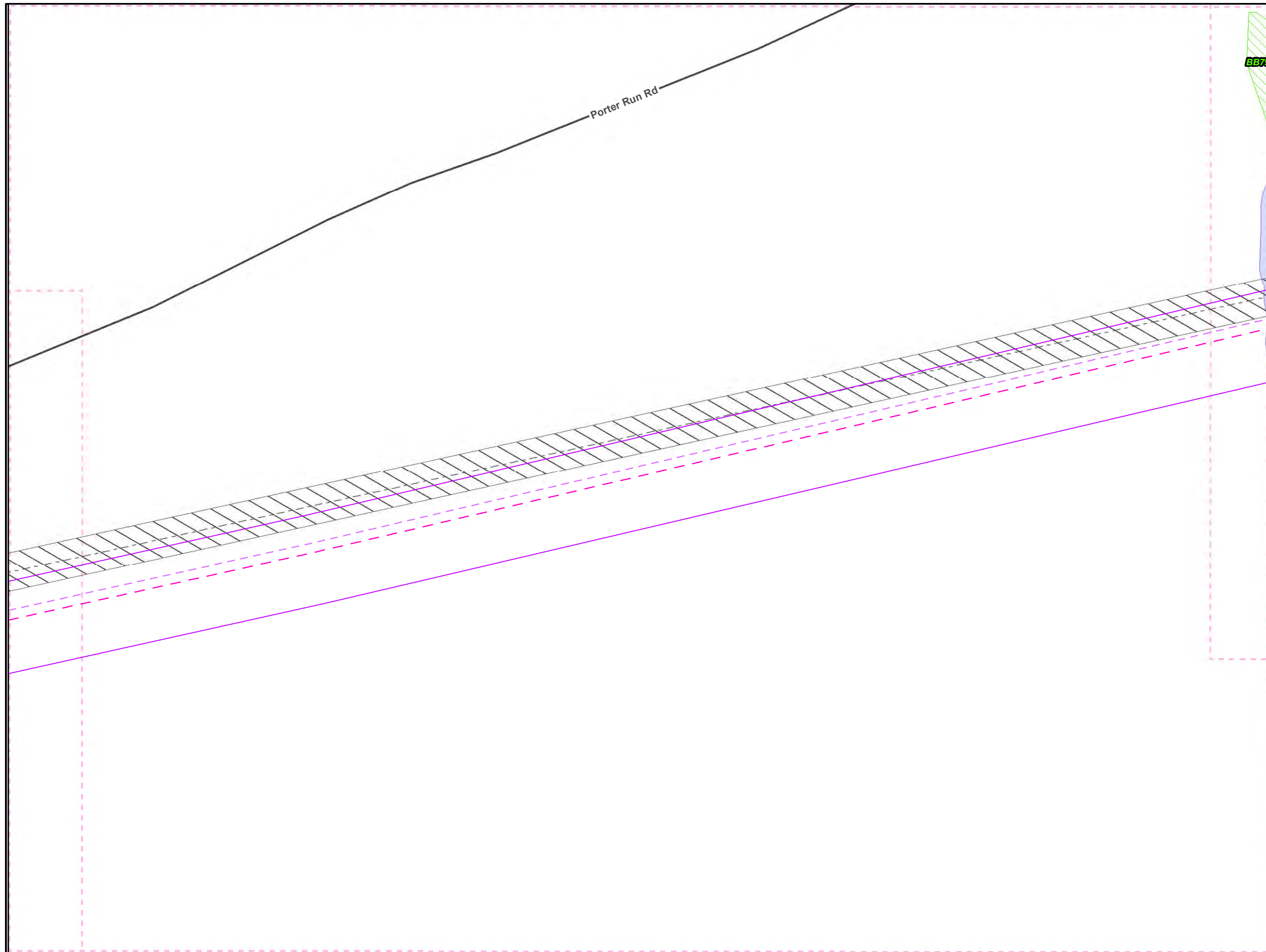


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
134 of 179

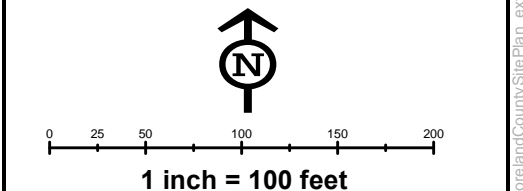
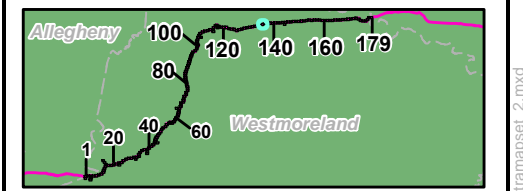
<b>Prepared By:</b> TETRA TECH	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

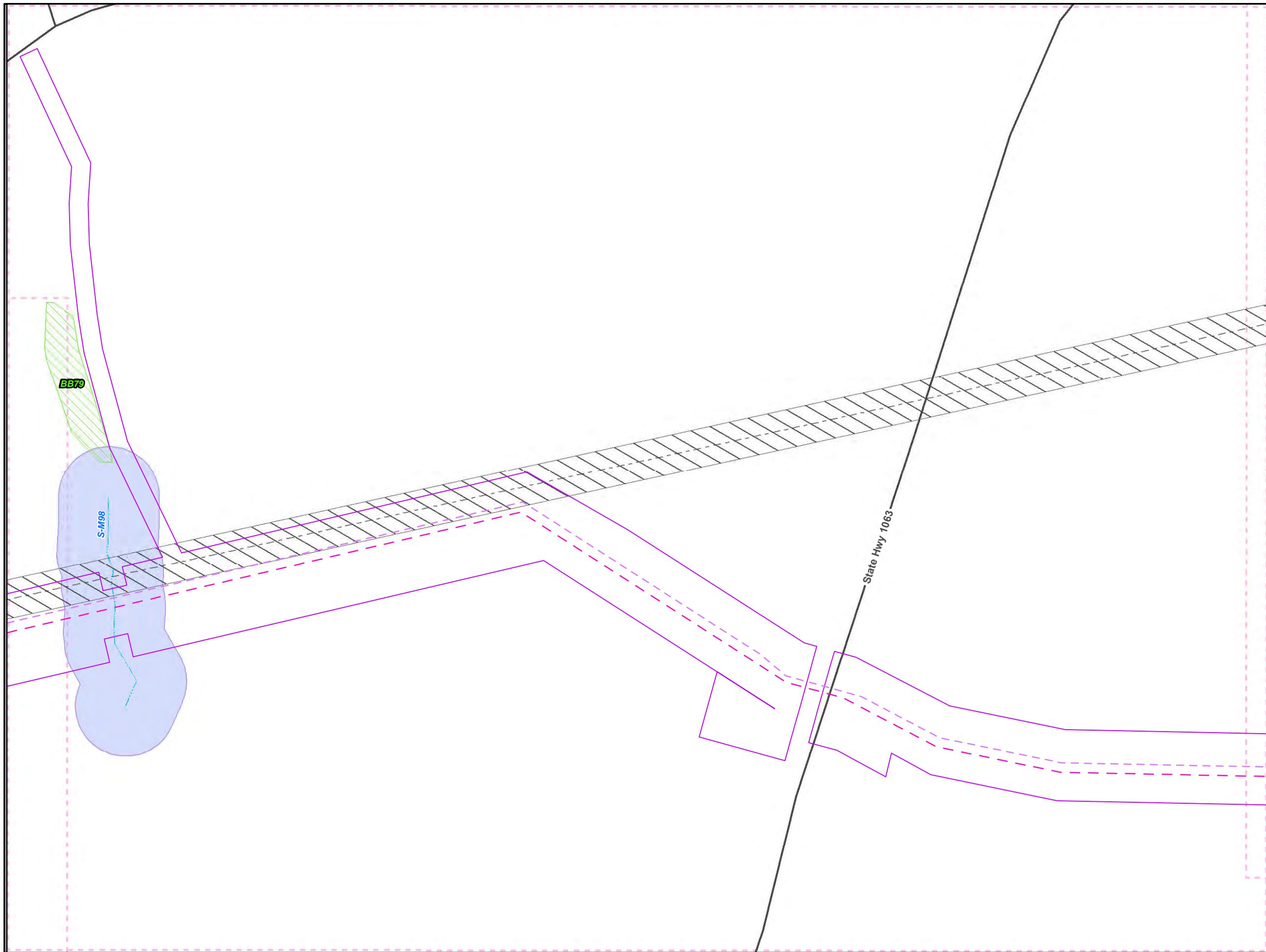


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
135 of 179**

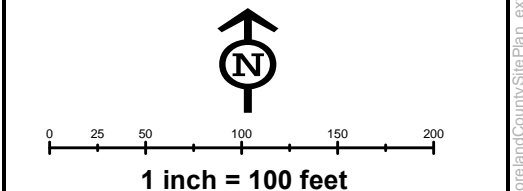
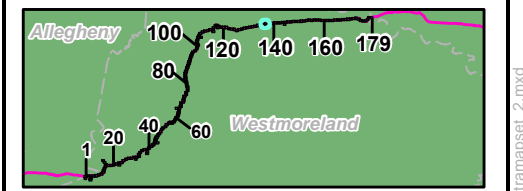
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - - - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - - - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - ▭ Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - ⊕ Pond
  - ⊕ PEM Wetland
  - ⊕ PFO Wetland
  - ⊕ PSS Wetland
  - ⊕ Ch. 105 Floodways
  - ⊕ Waived Ch. 105 Floodways
  - ⊕ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

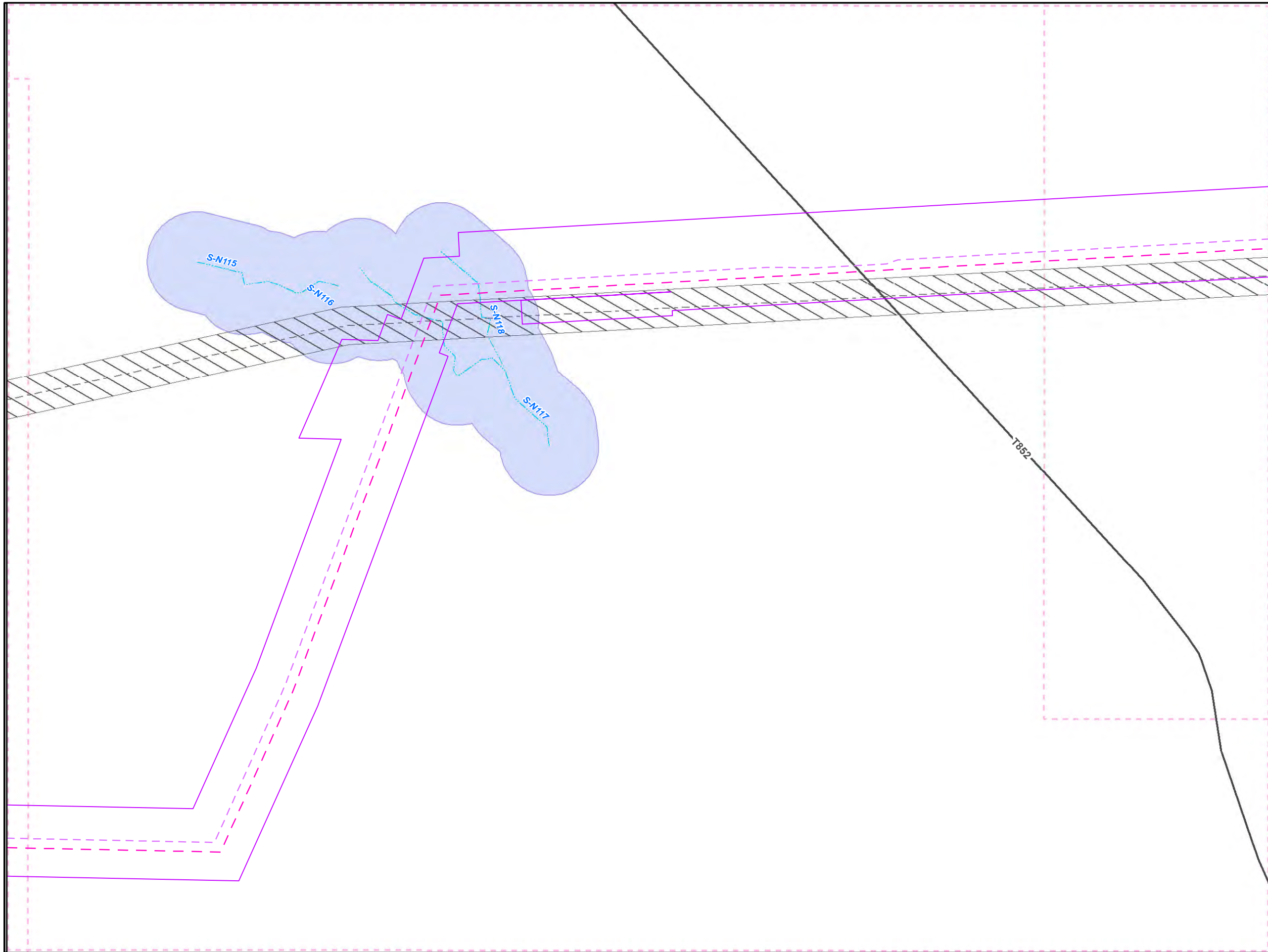


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
 136 of 179

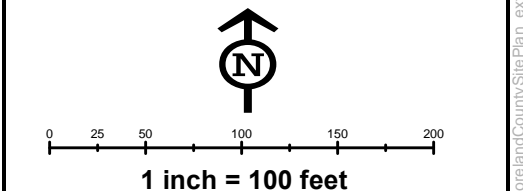
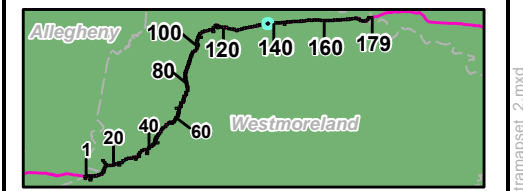
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

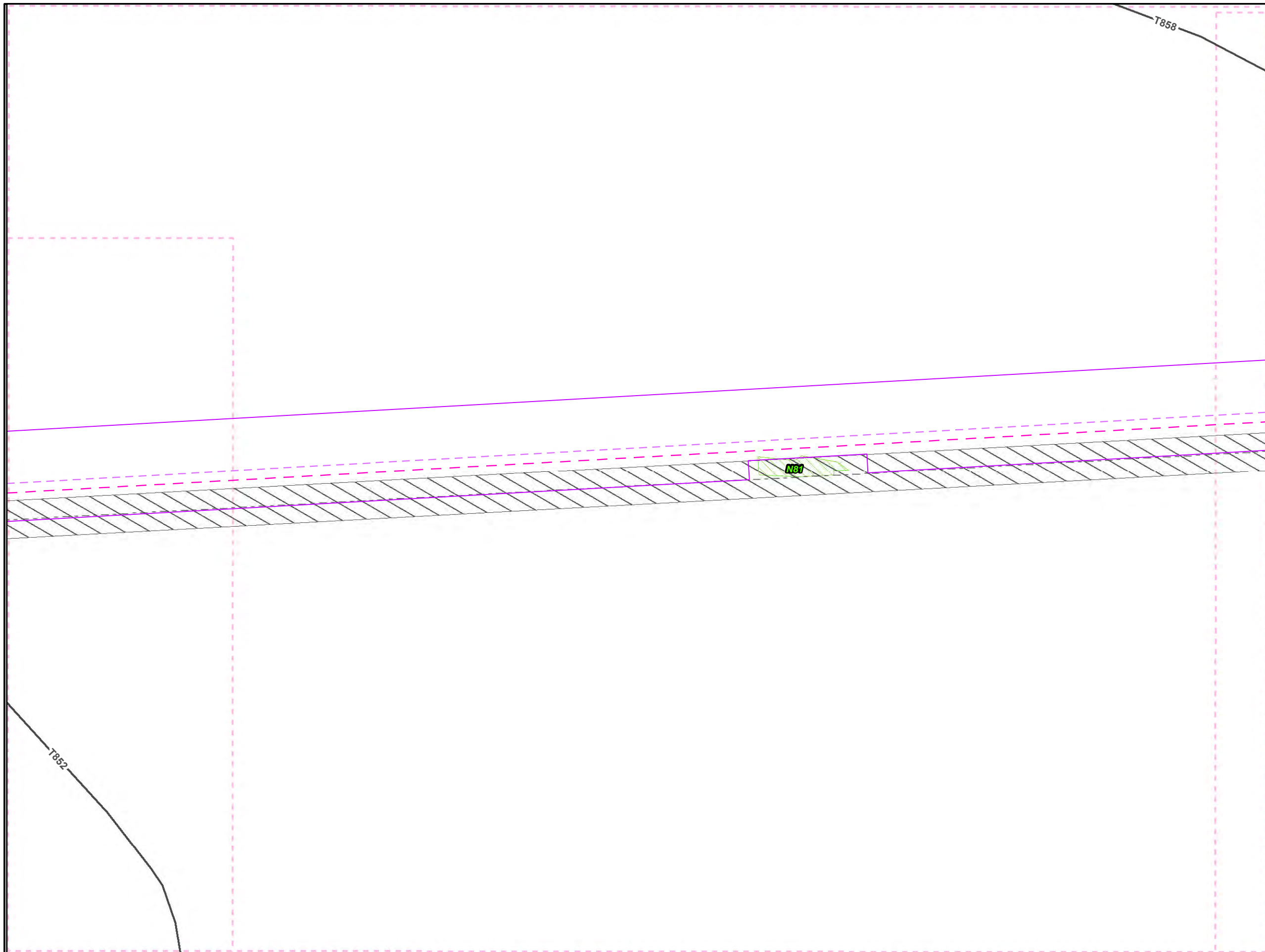


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
137 of 179**

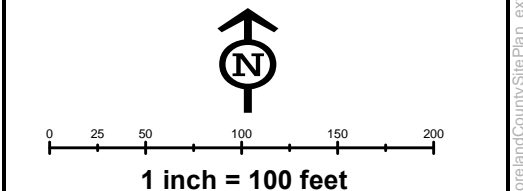
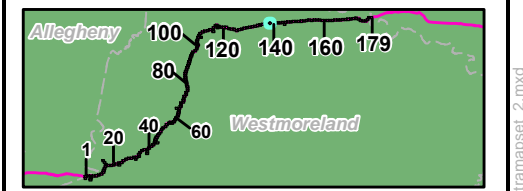
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
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  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
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  - ~ Ephemeral Stream
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  - Pond
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  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

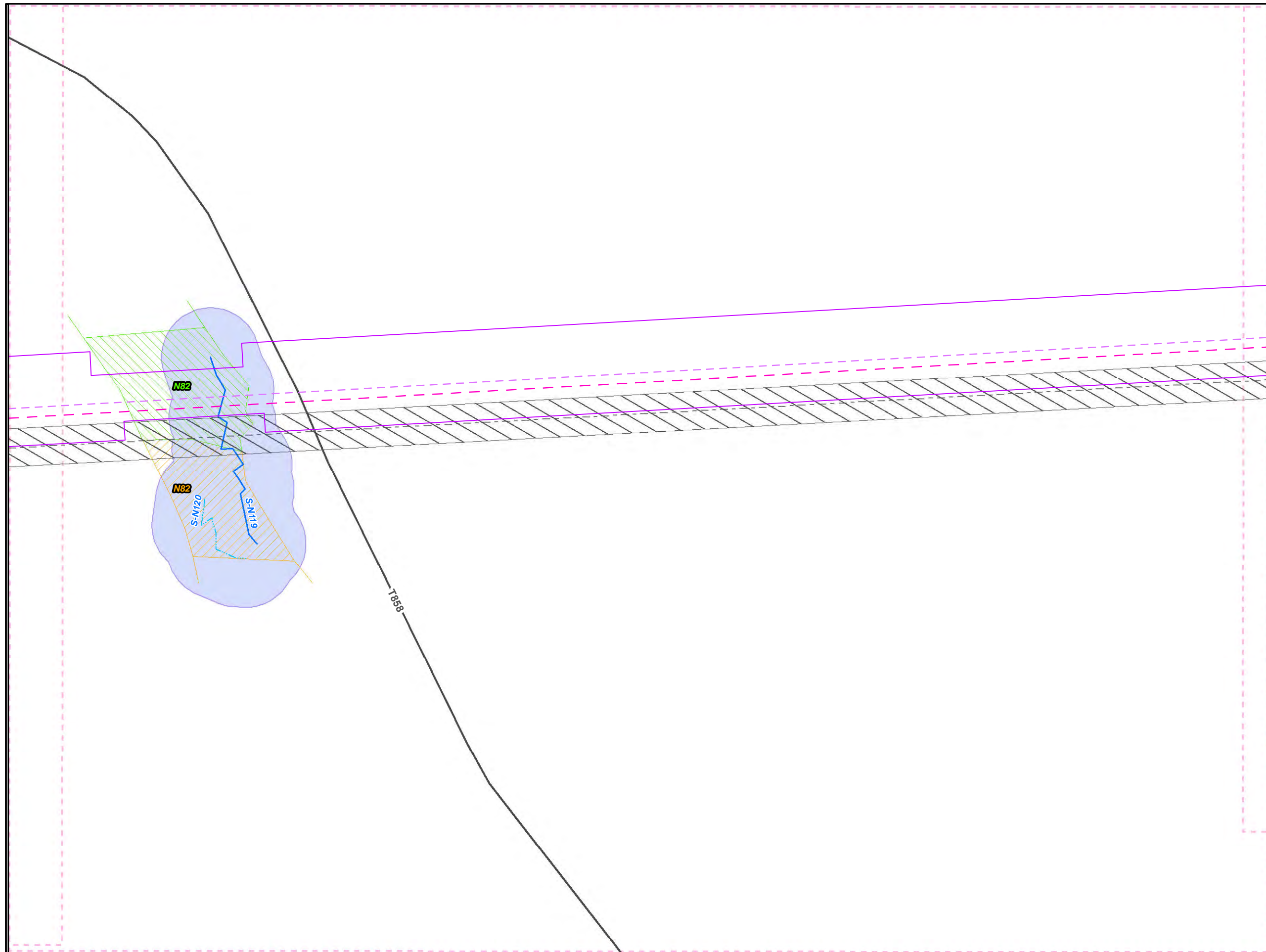


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
138 of 179**

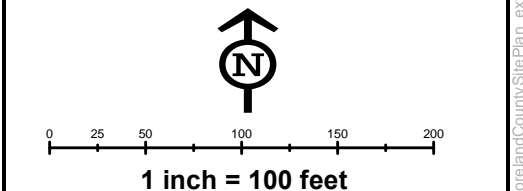
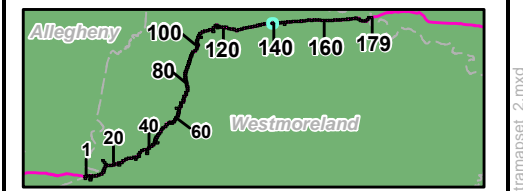
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
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  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
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  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

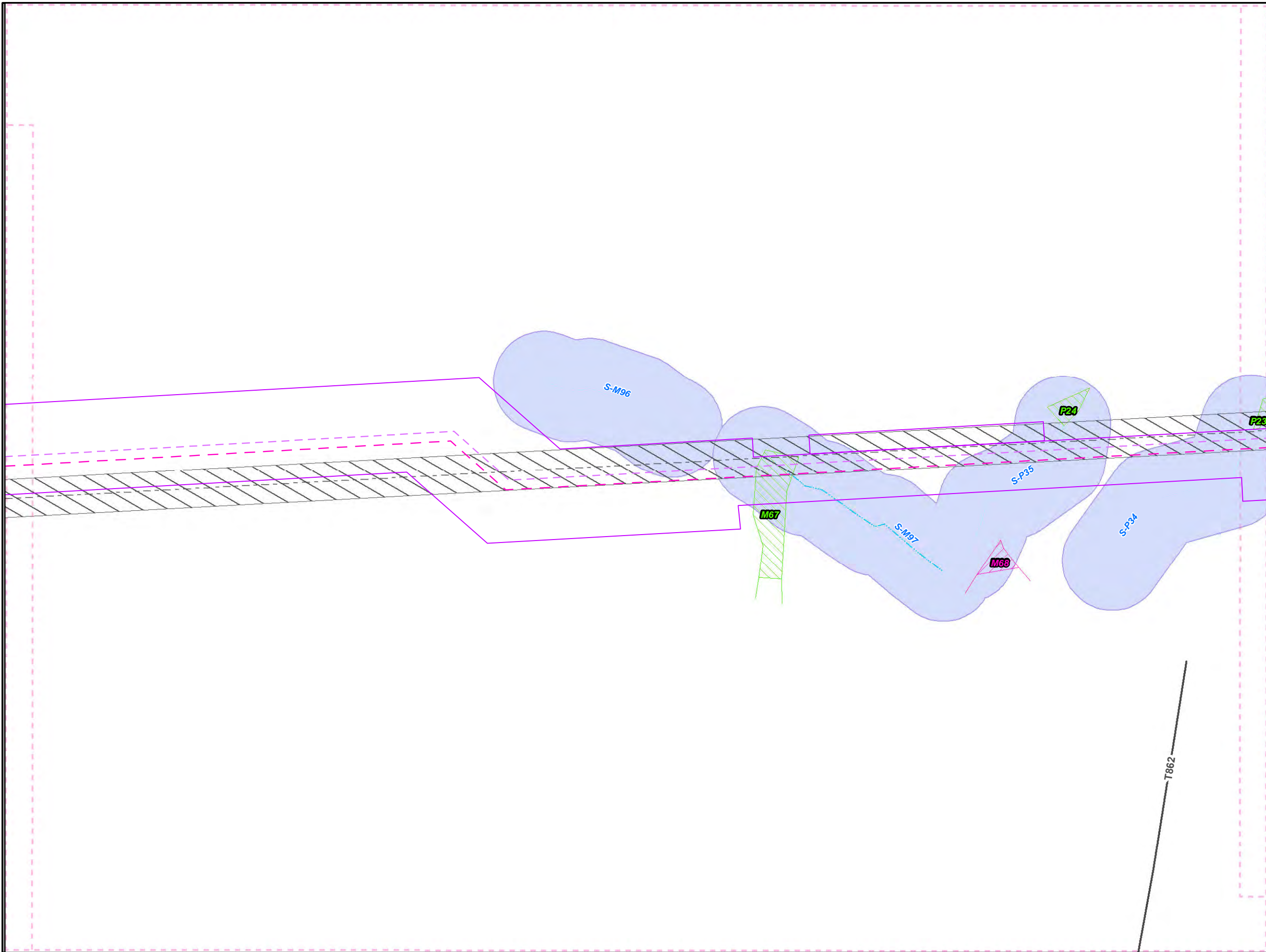


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
139 of 179**

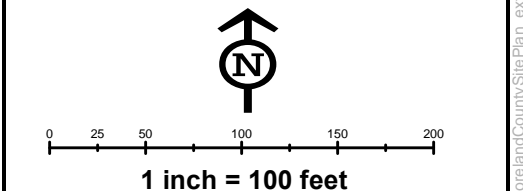
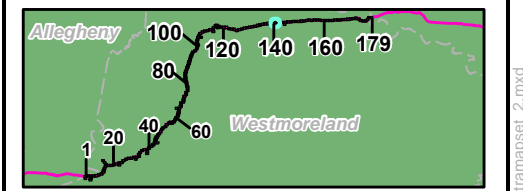
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
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  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

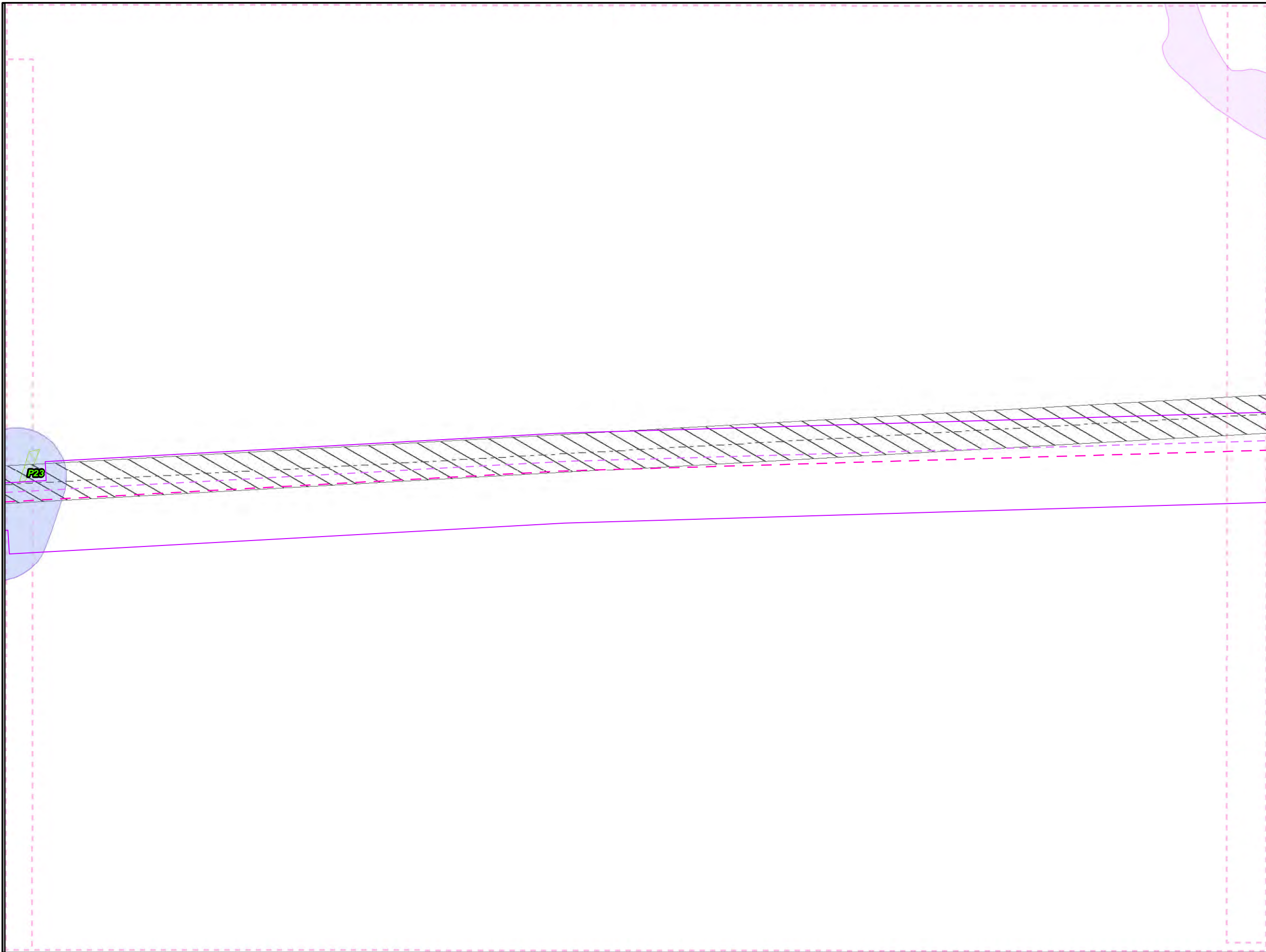


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
140 of 179**

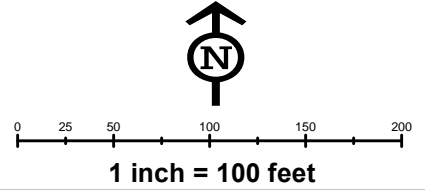
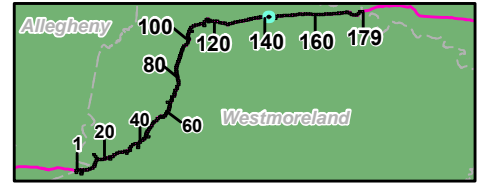
<b>Prepared By:</b> <b>TETRA TECH</b>	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
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  - ME1 12" Perm ROW
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  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

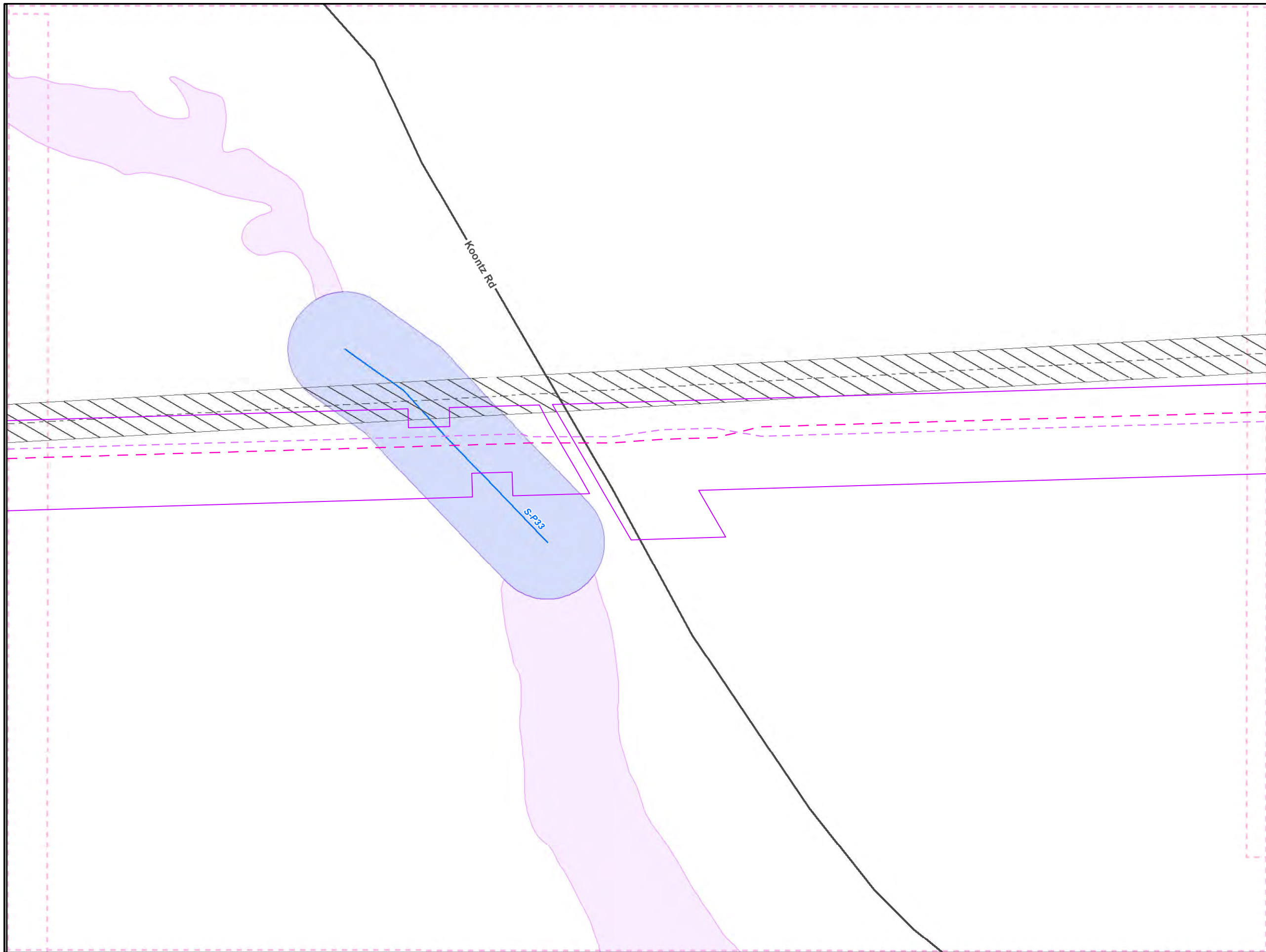


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
141 of 179**

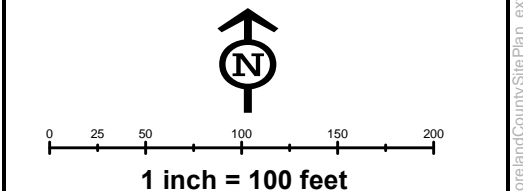
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
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  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

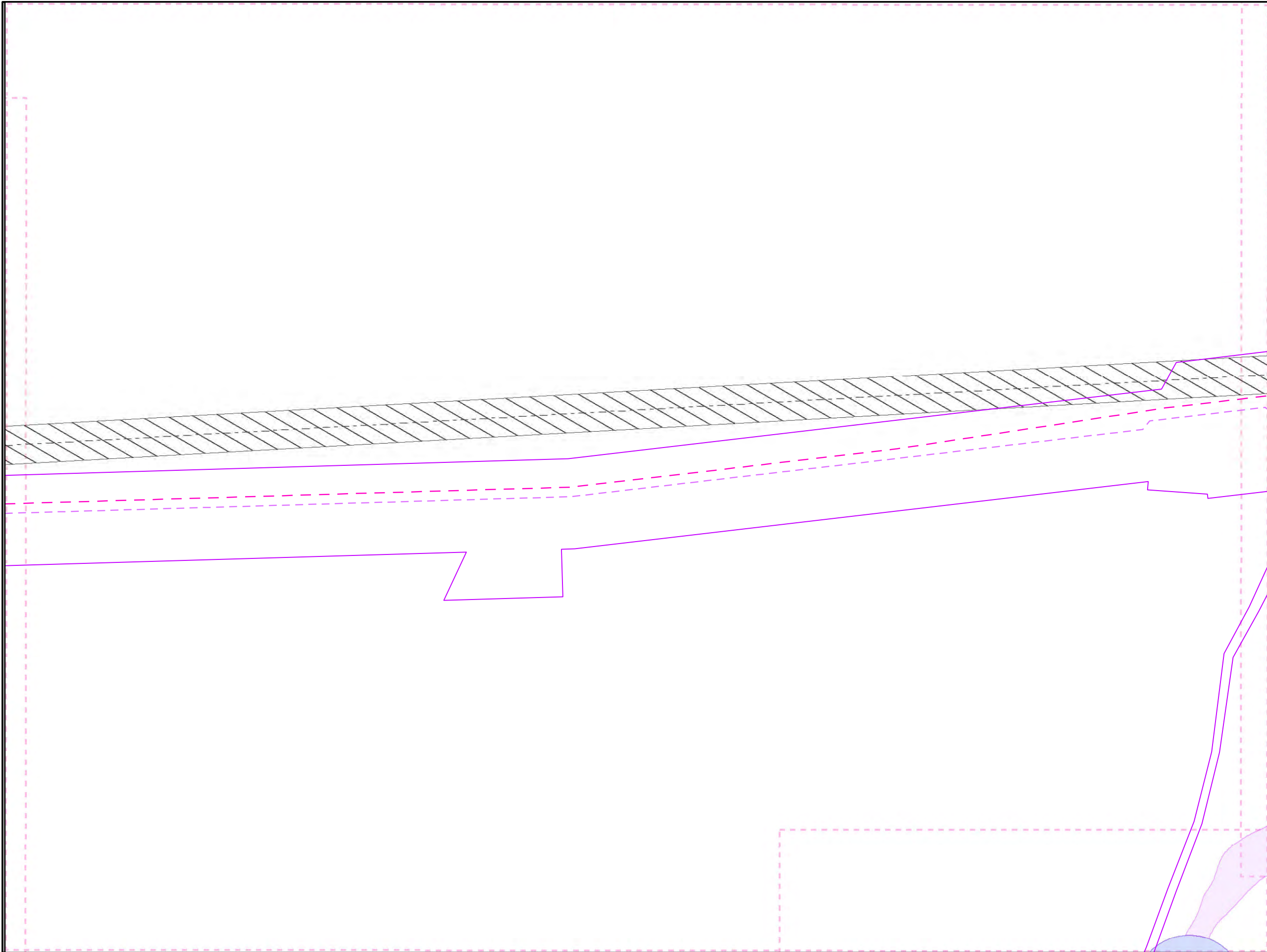


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
142 of 179**

<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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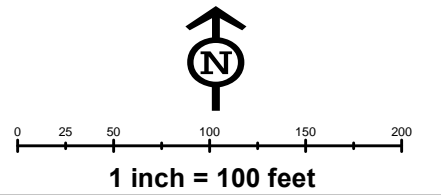
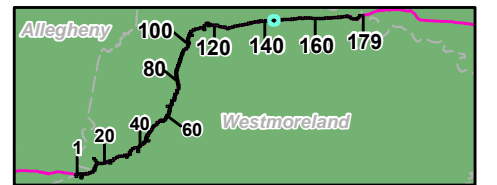
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**Legend**

- PPP 1
- PPP 2
- PPP LOD
- 8" Centerline
- 8" Pipeline Maintenance Corridor
- ME1 12" Centerline
- ME1 12" Perm ROW
- Stations
- ~ Ephemeral Stream
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- ~ Pond
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- ~ PSS Wetland
- ~ Ch. 105 Floodways
- ~ Waived Ch. 105 Floodways
- ~ Ch. 106 Floodplain Fringe
- Roads
- Sheet Boundary

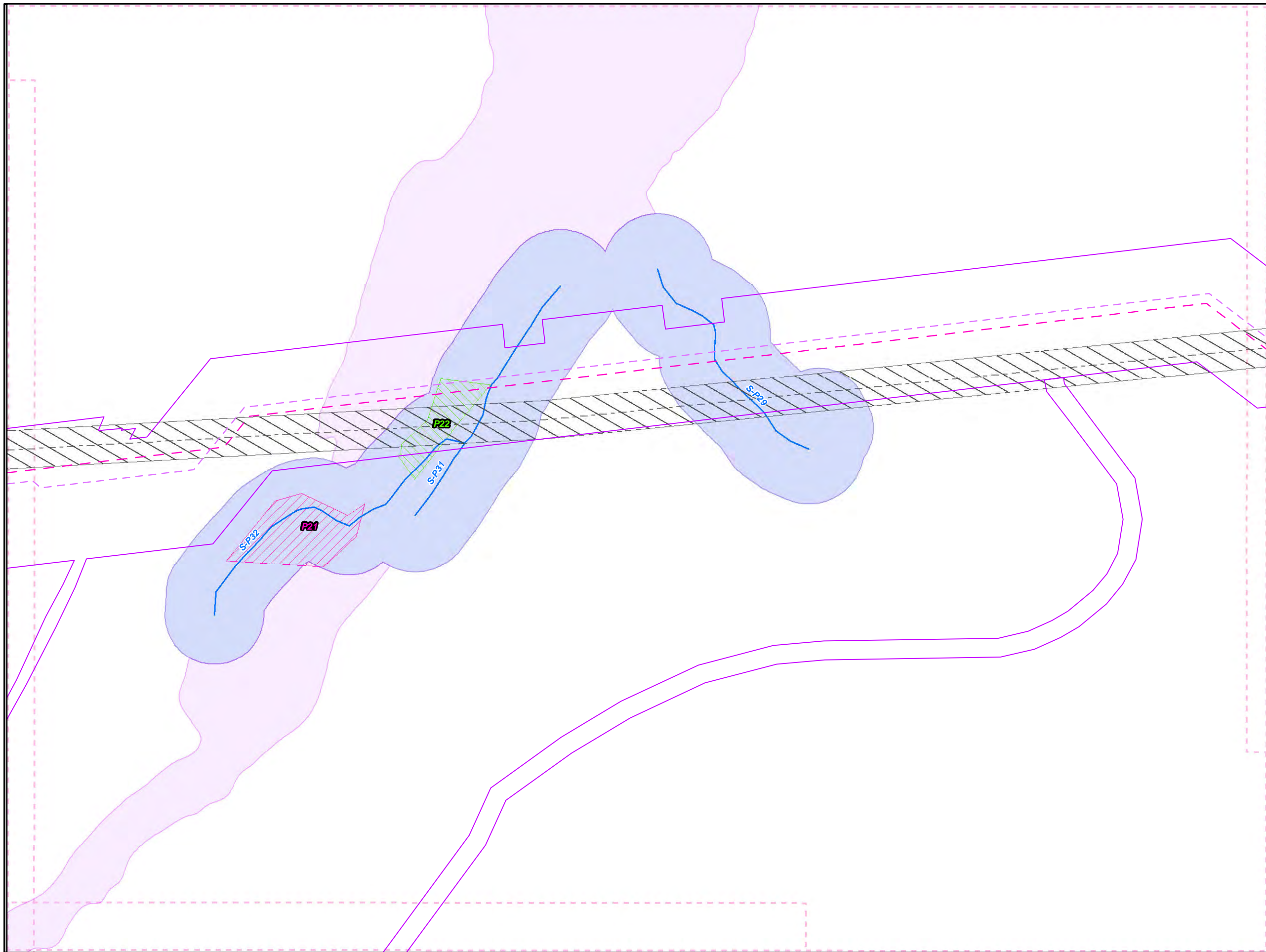


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA. 143 of 179**

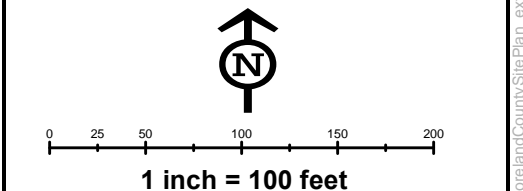
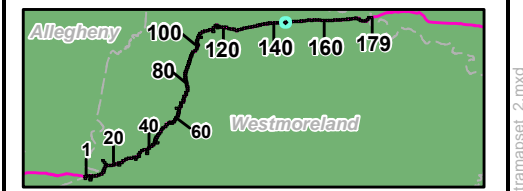
<b>Prepared By:</b> <b>TETRA TECH</b>	<b>Date:</b> <b>11/2016</b>
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
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  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

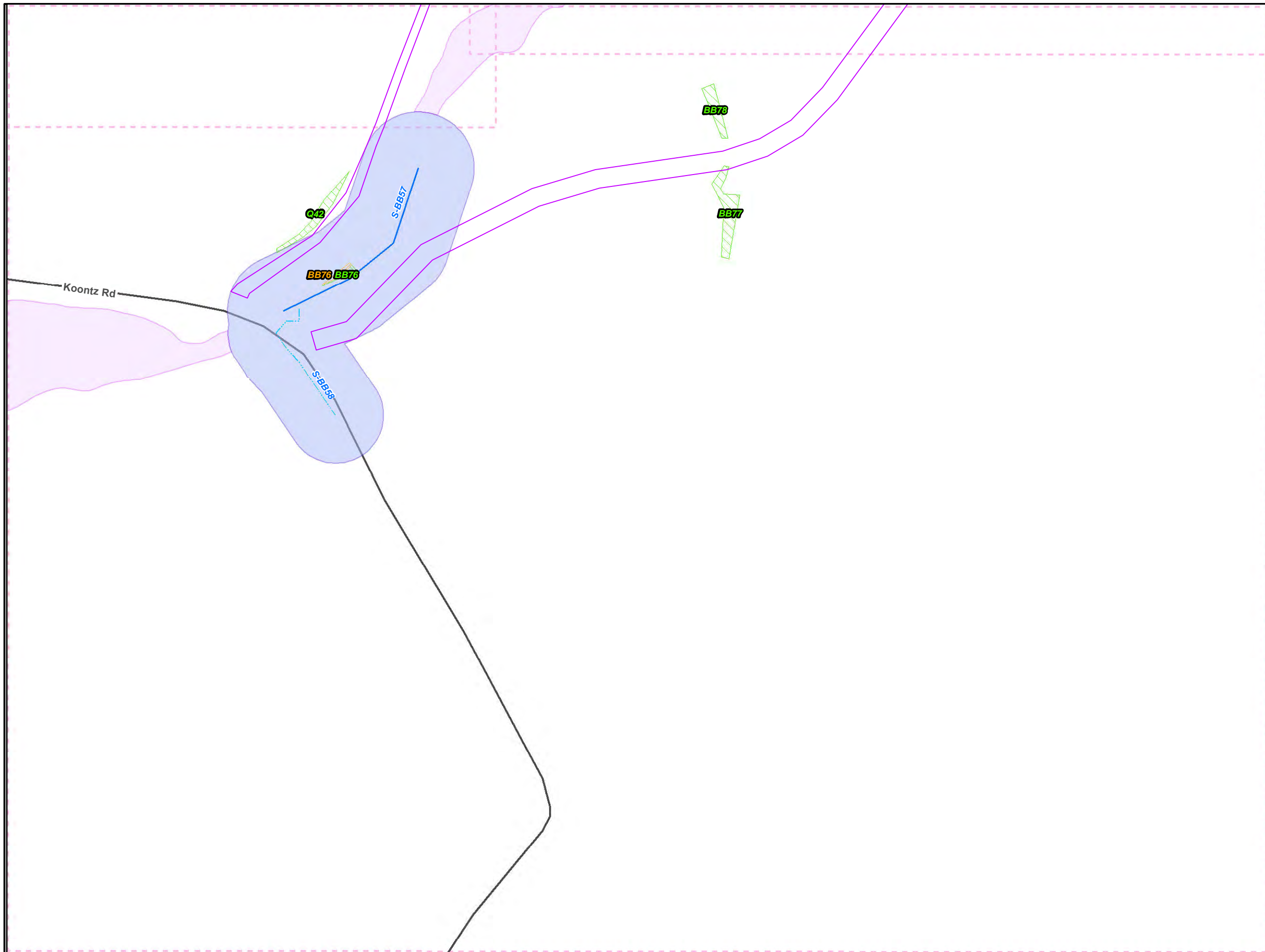


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
144 of 179**

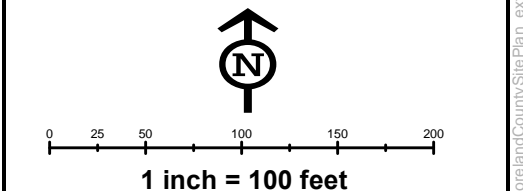
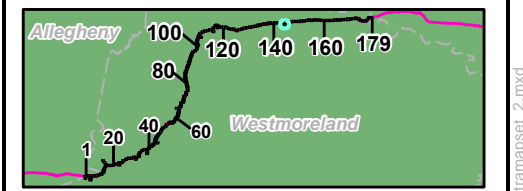
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ▭ ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

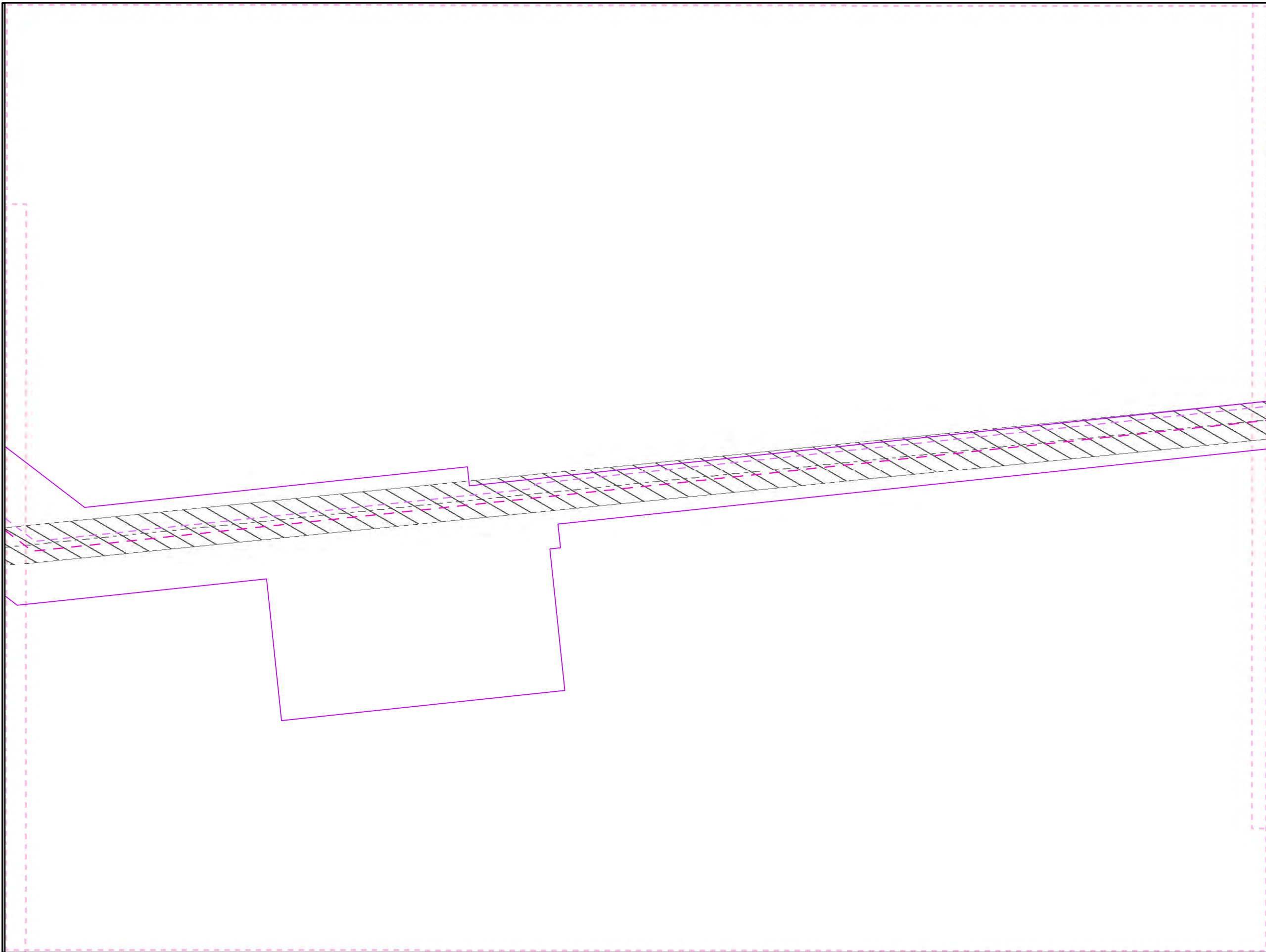


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
145 of 179**

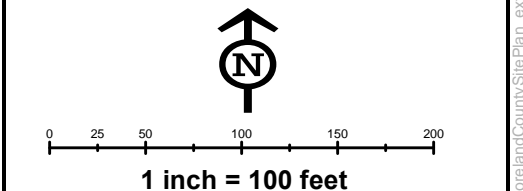
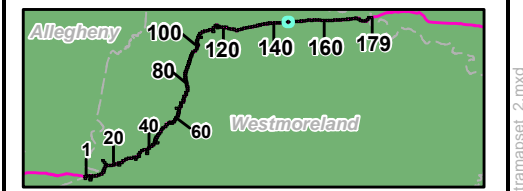
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

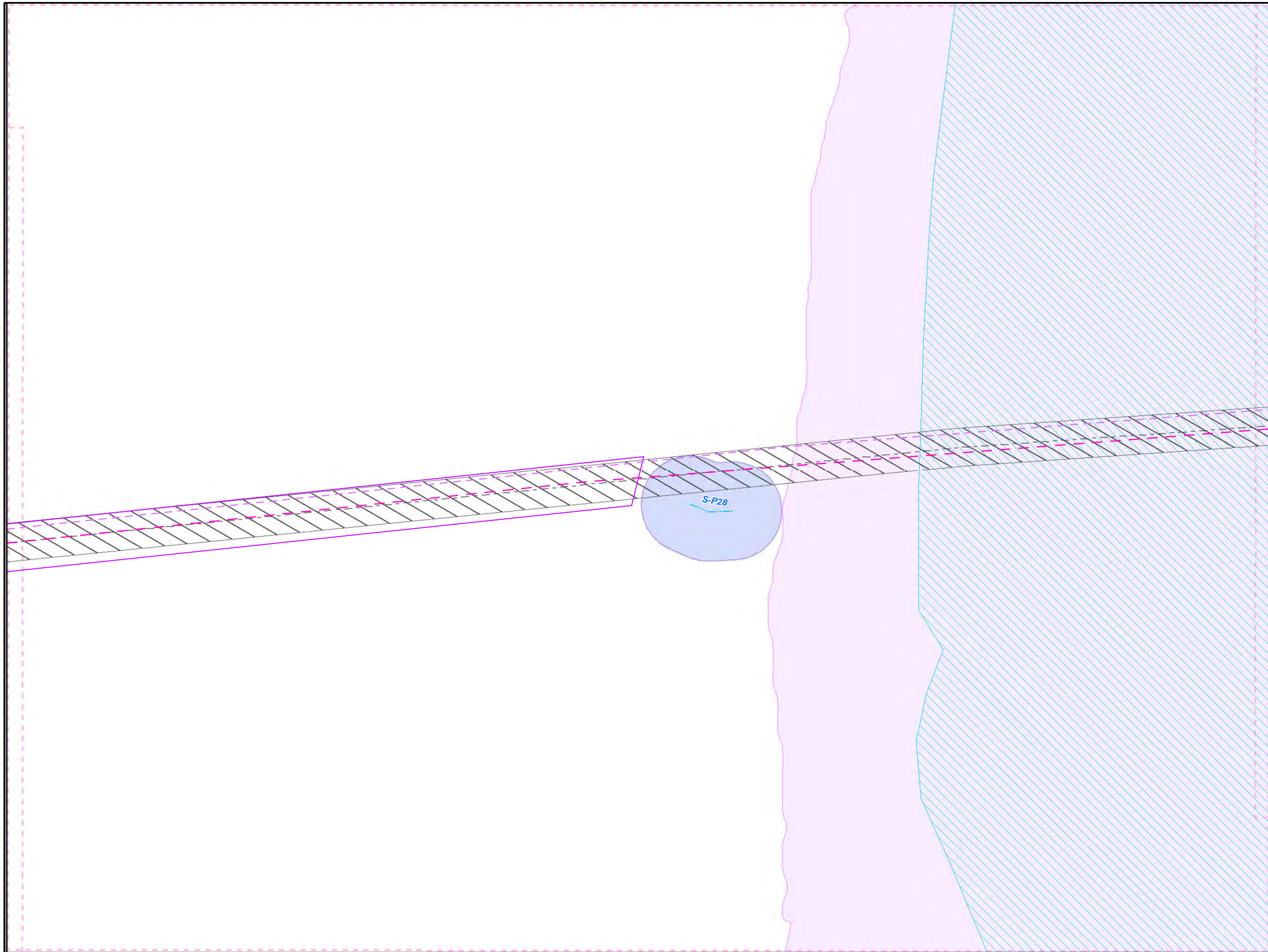


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
146 of 179**

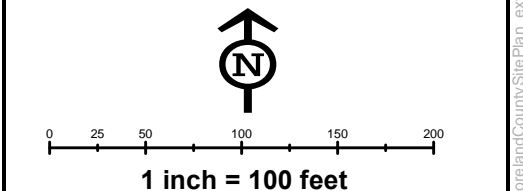
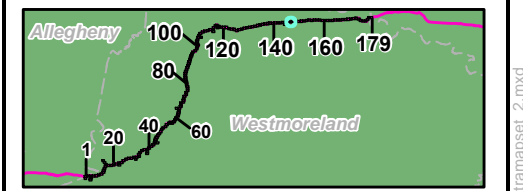
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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  - - - Sheet Boundary

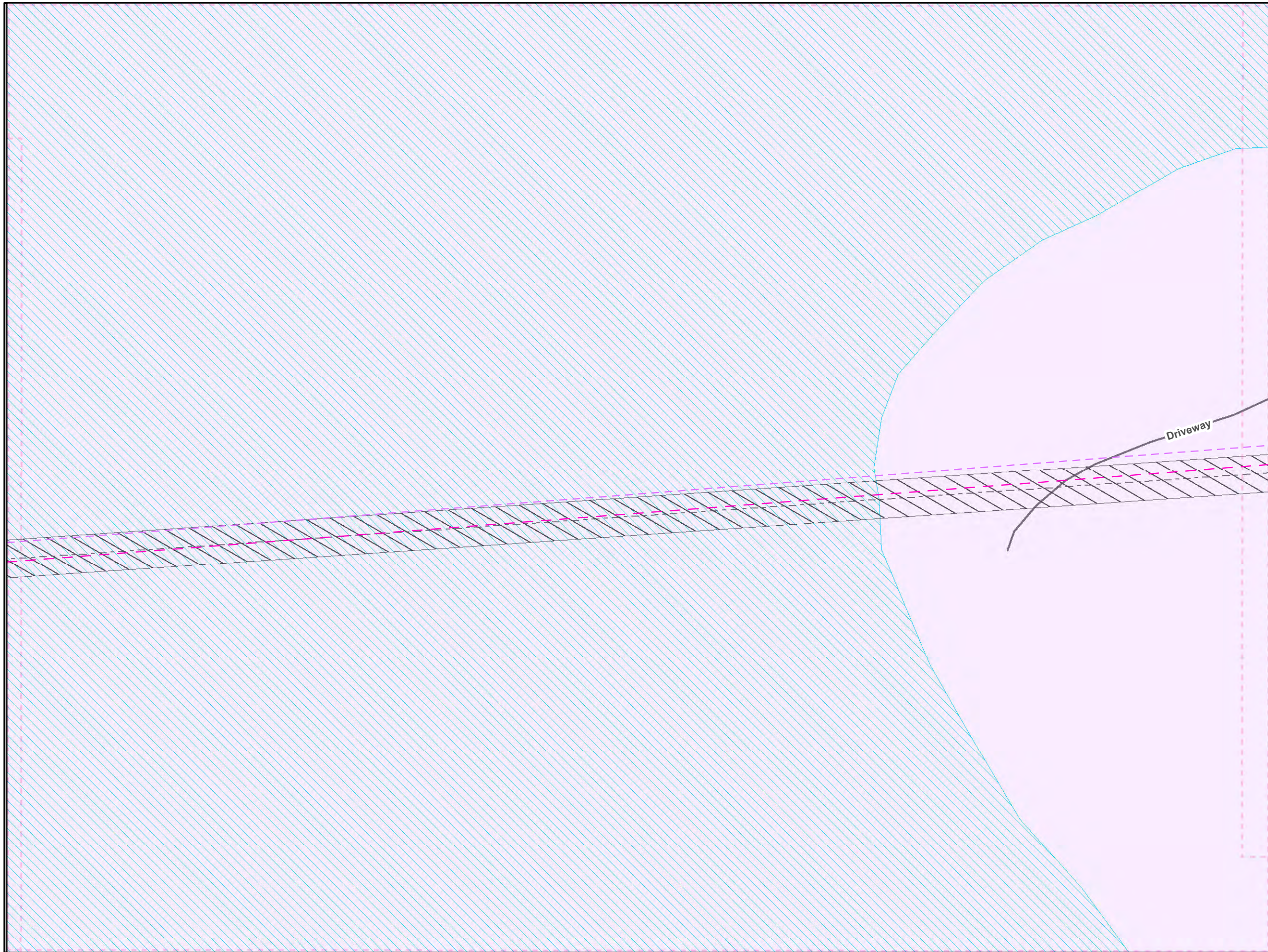


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
147 of 179**

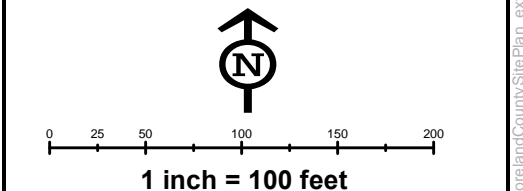
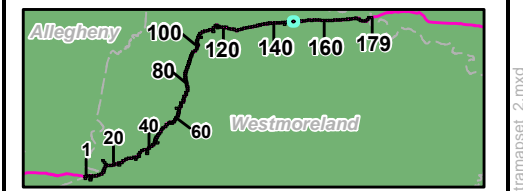
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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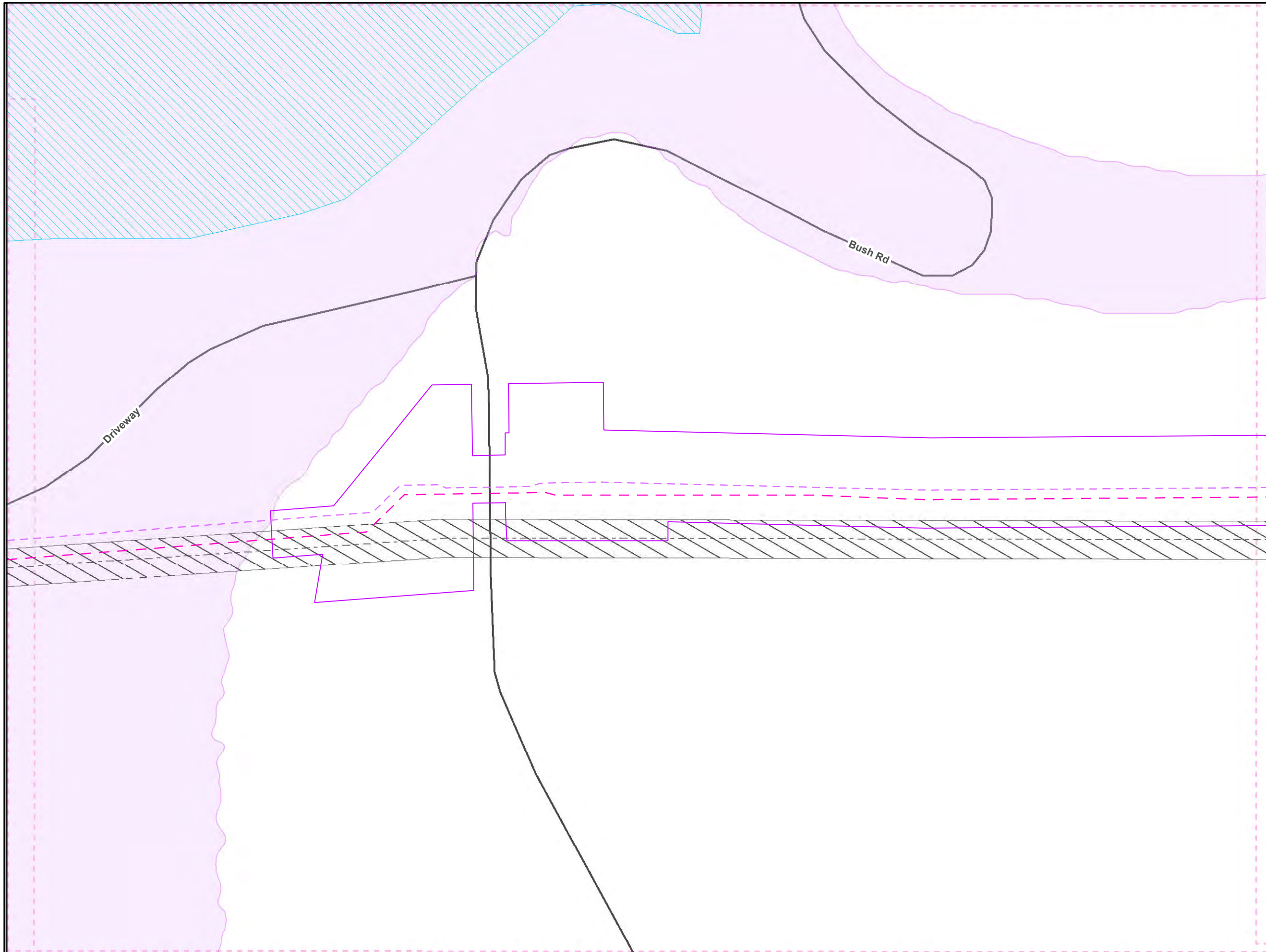


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
148 of 179**

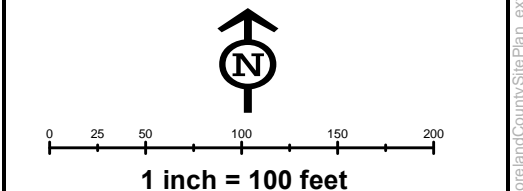
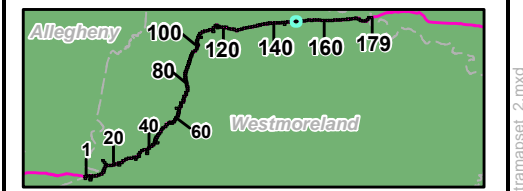
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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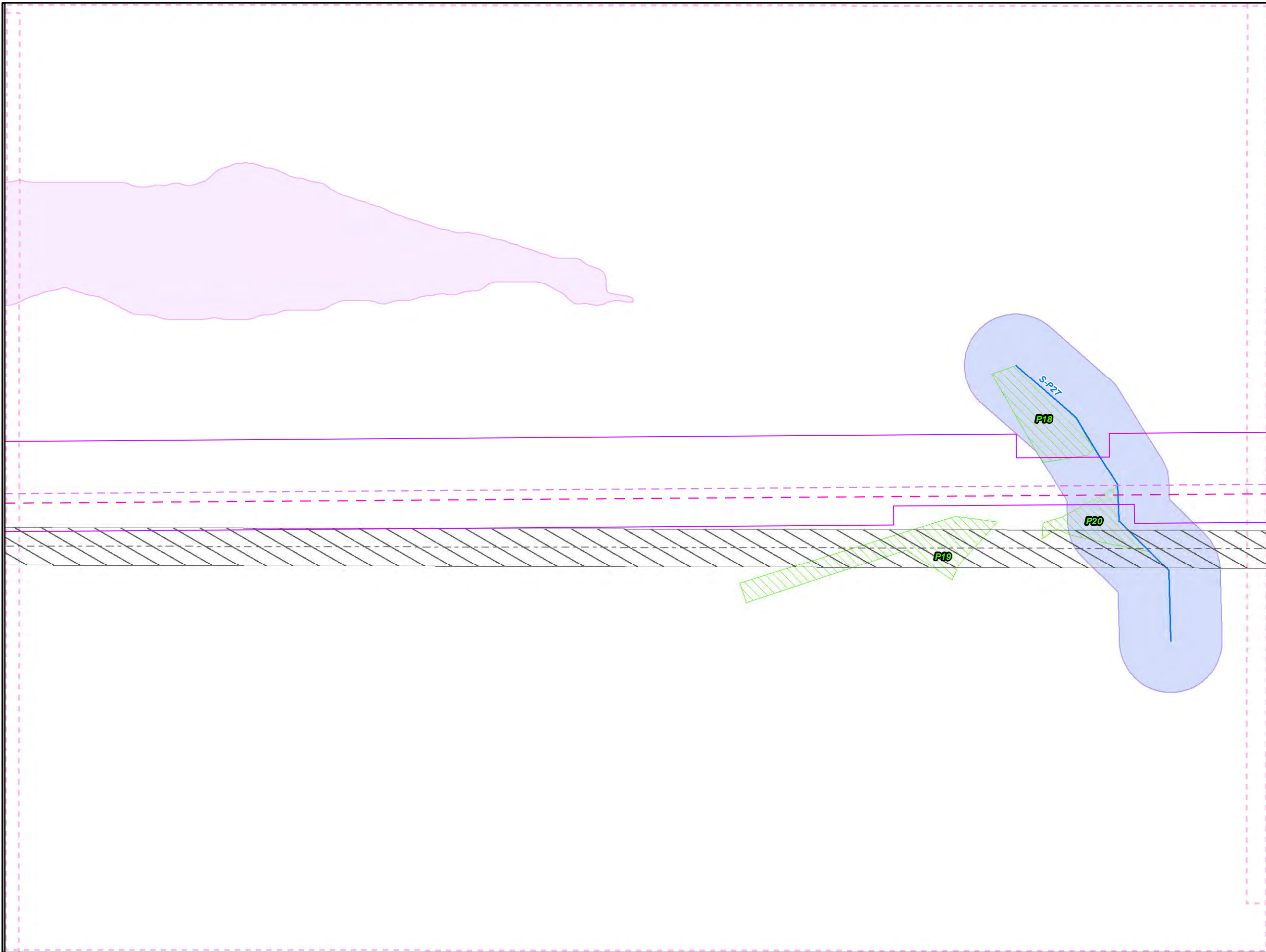


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
149 of 179**

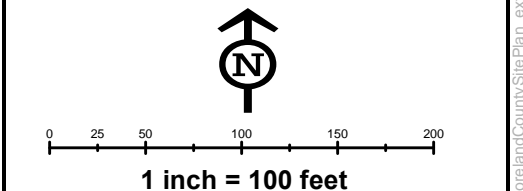
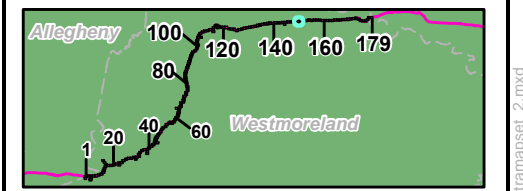
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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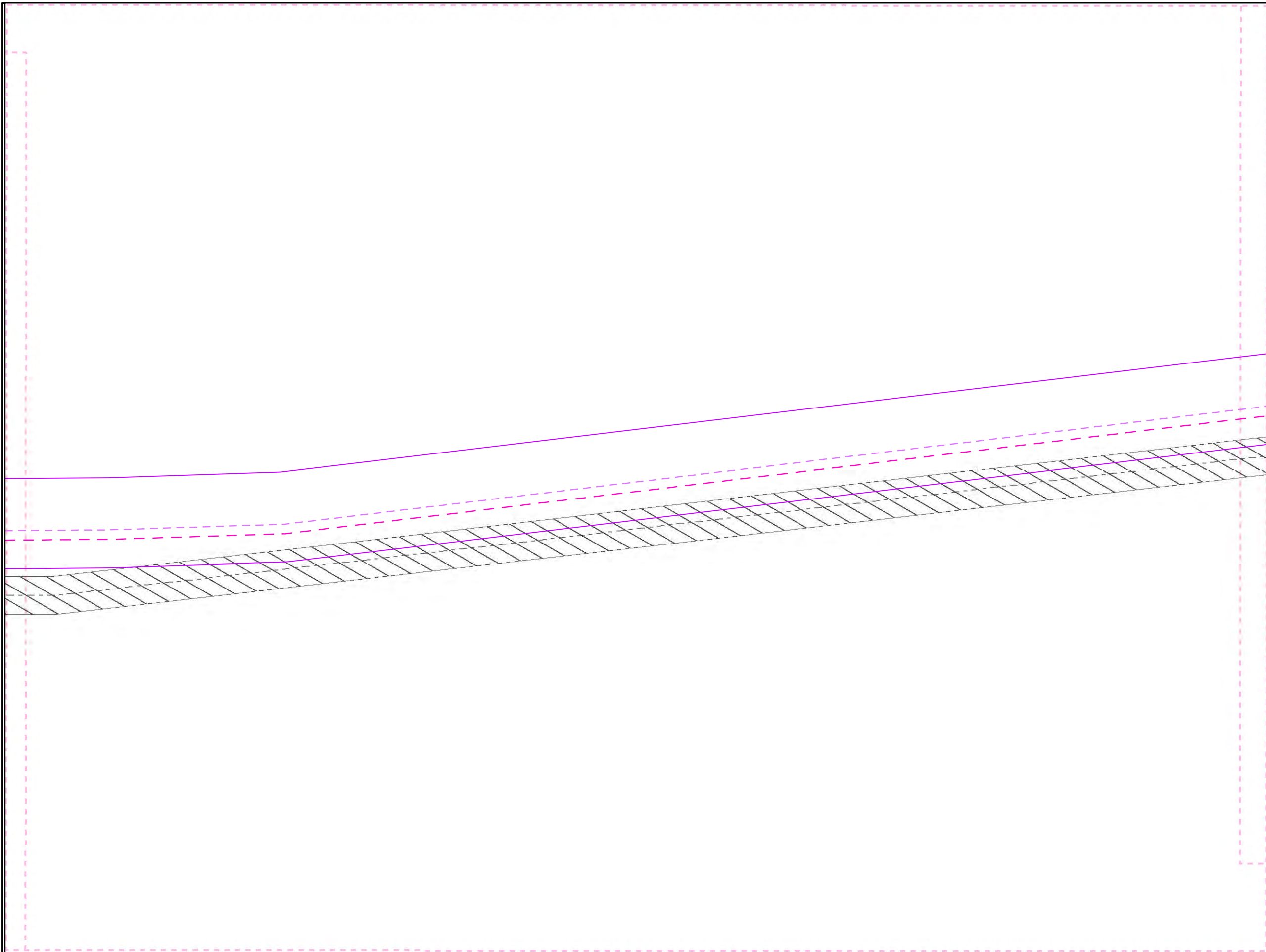


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
150 of 179**

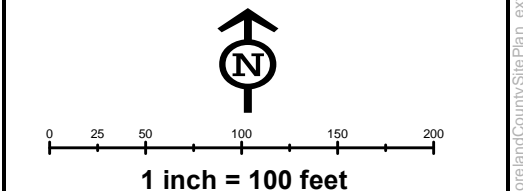
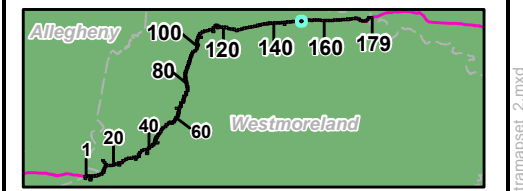
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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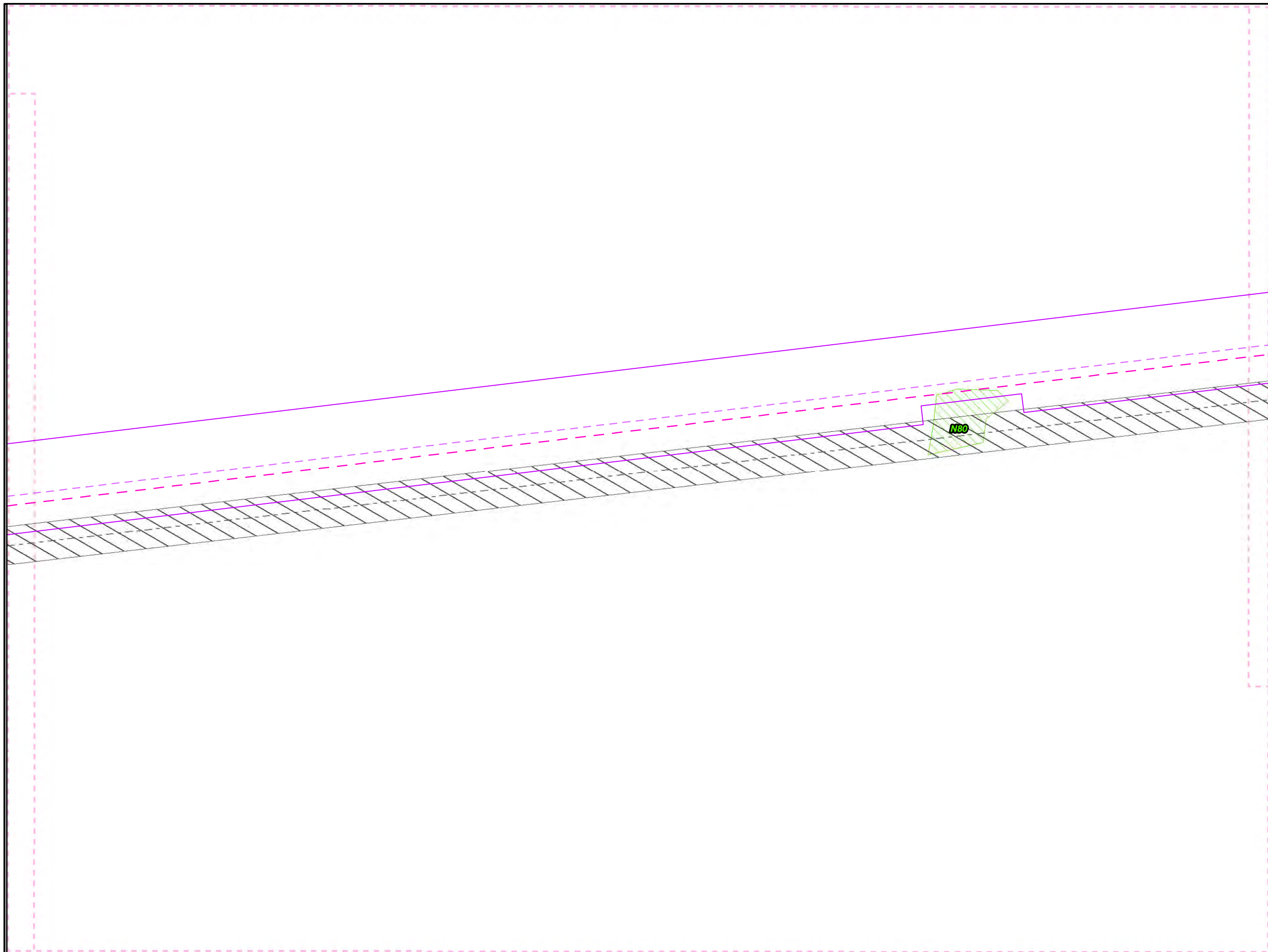


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA. 151 of 179**

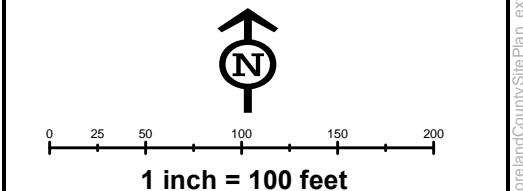
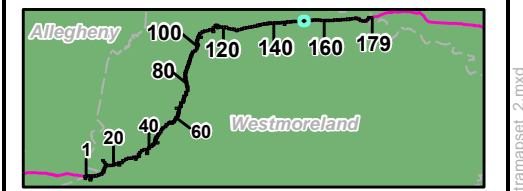
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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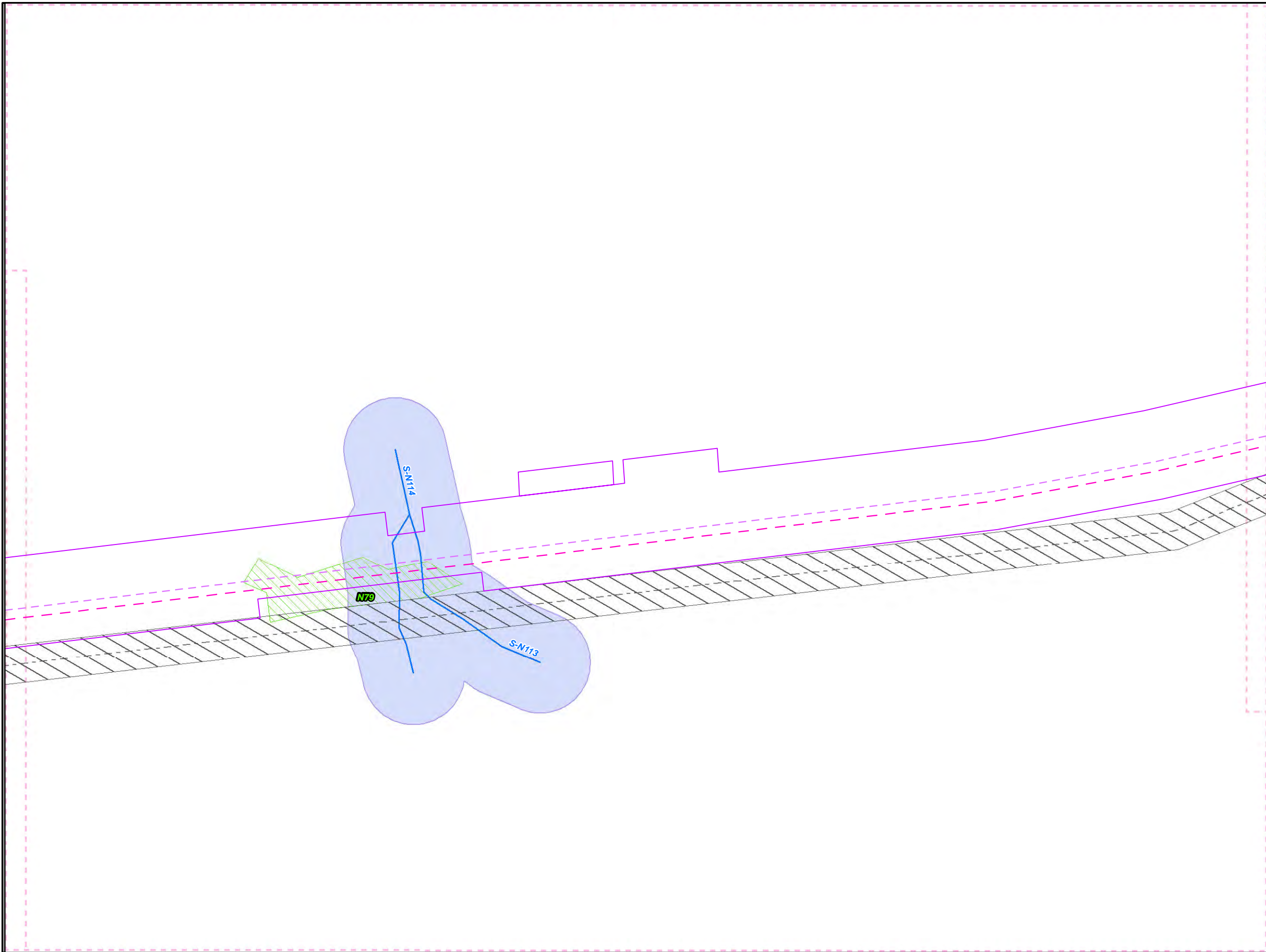


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
152 of 179**

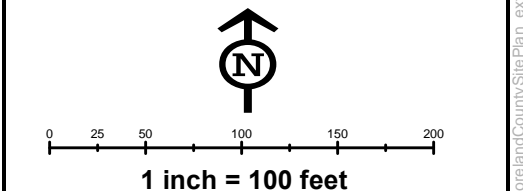
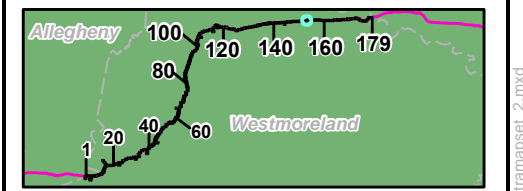
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
 153 of 179

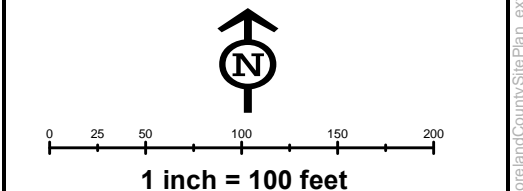
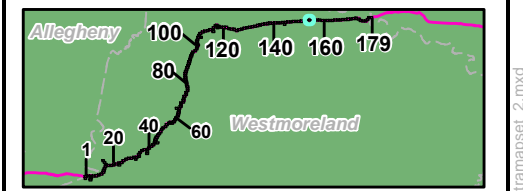
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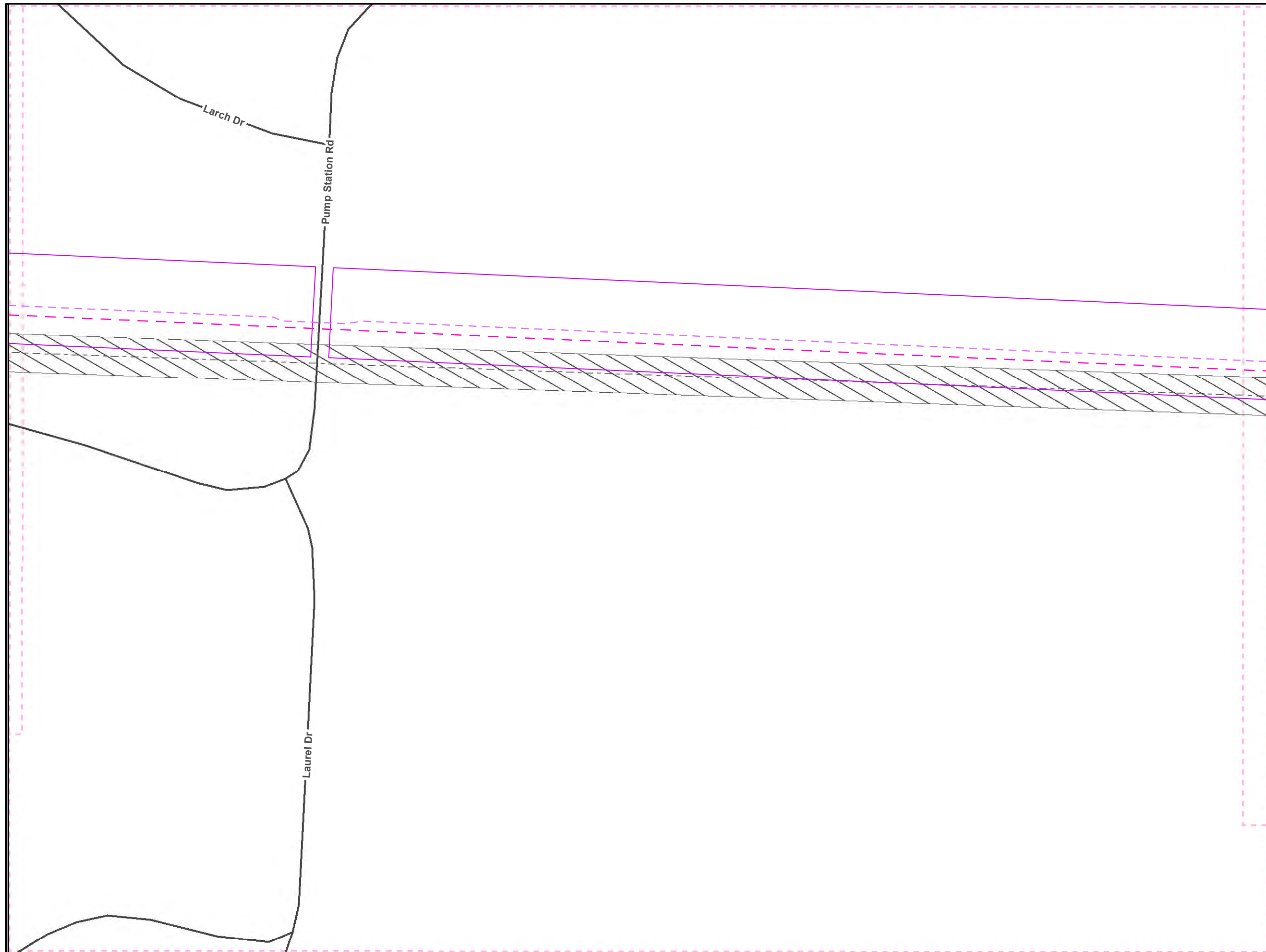


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
**154 of 179**

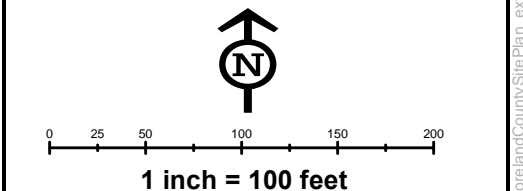
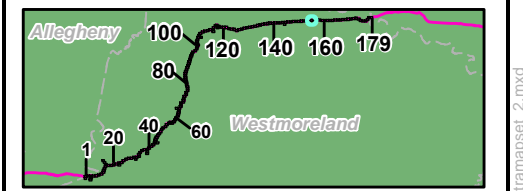
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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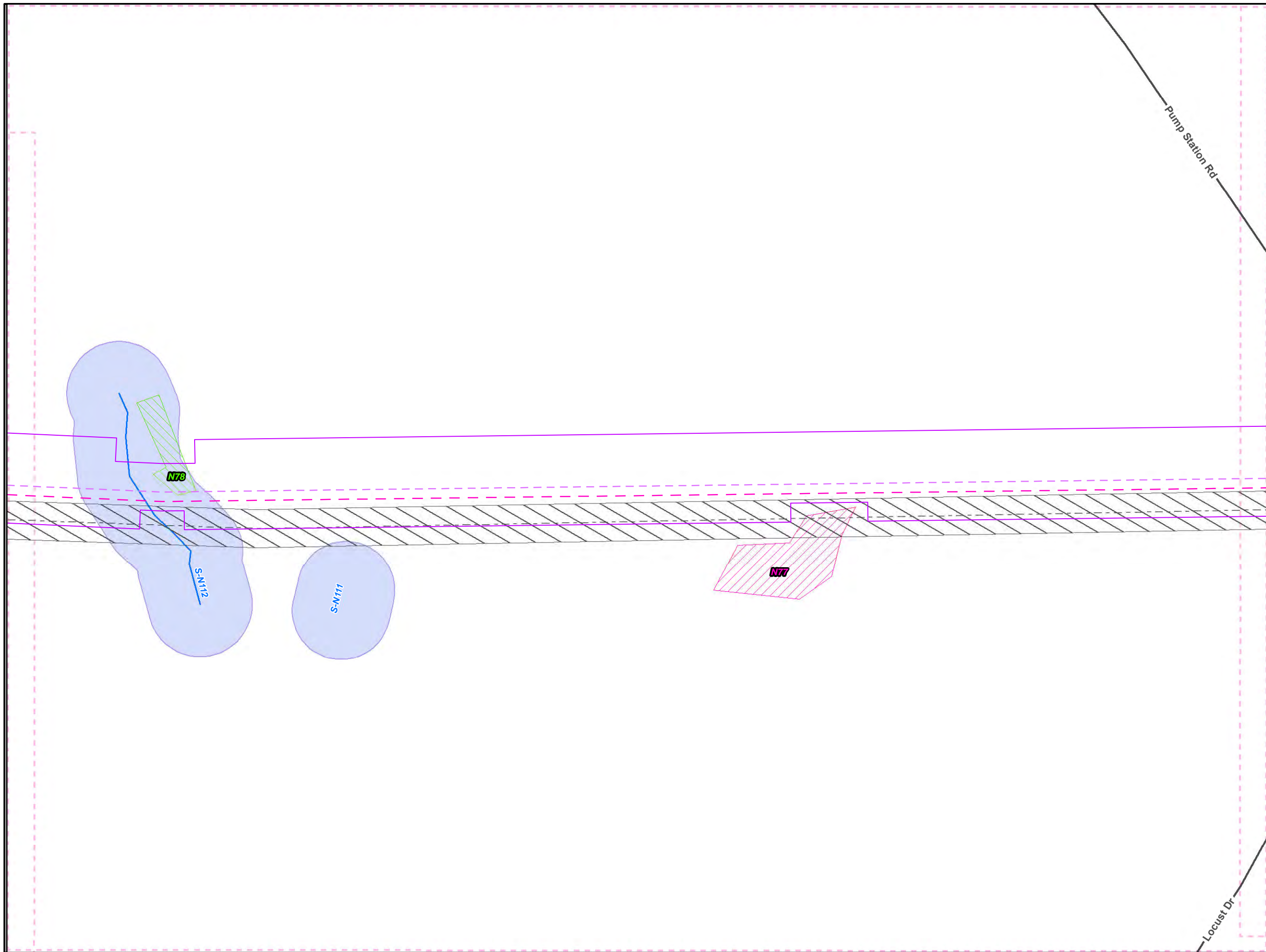


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
155 of 179

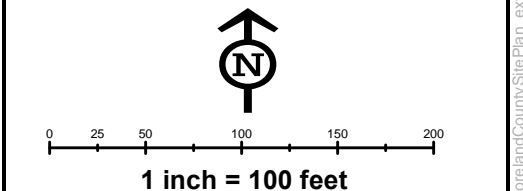
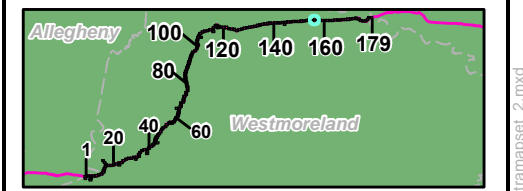
**Prepared By:**  **TETRA TECH** **Date:** 11/2016

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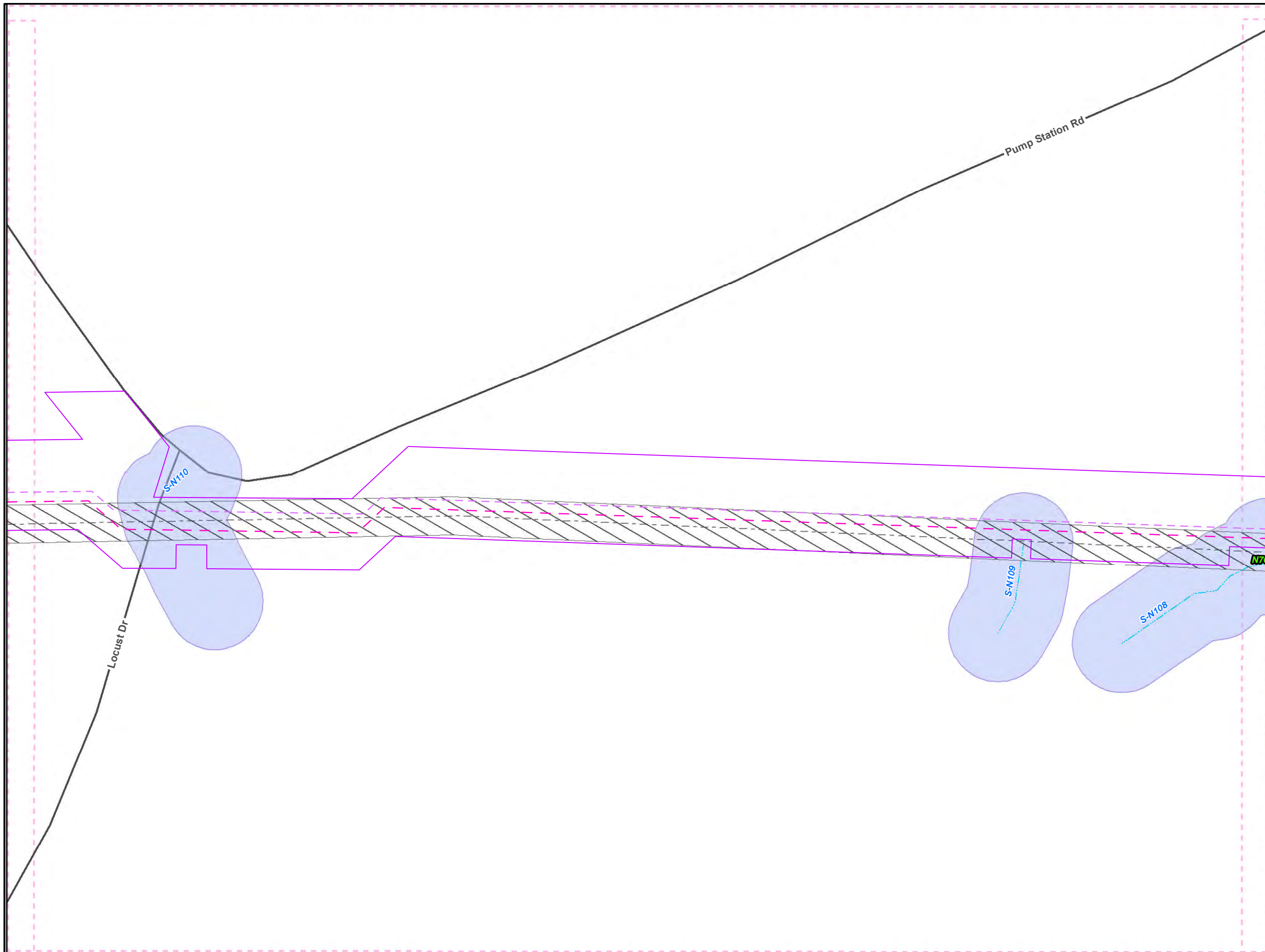


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
 156 of 179

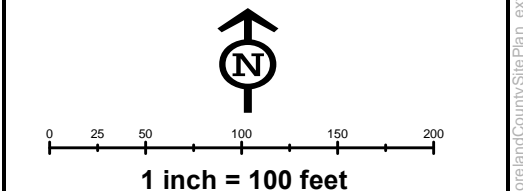
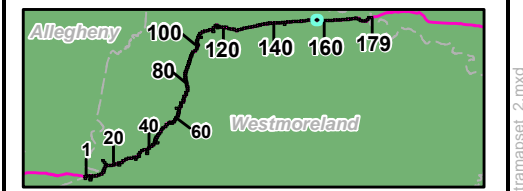
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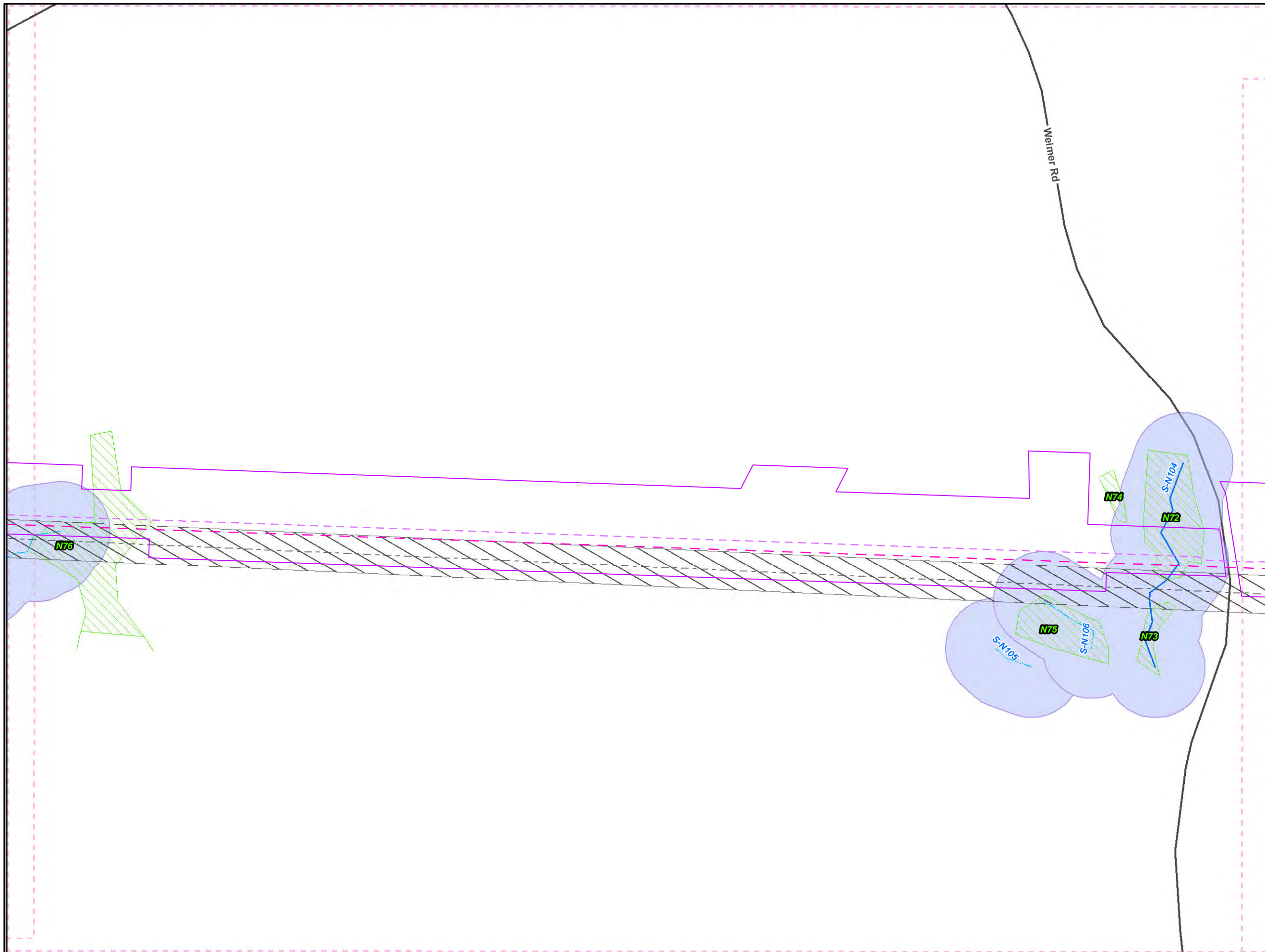


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA. 157 of 179**

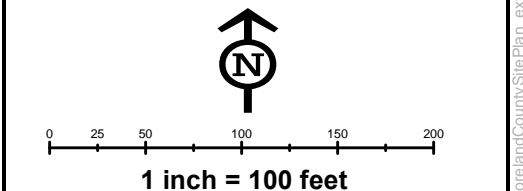
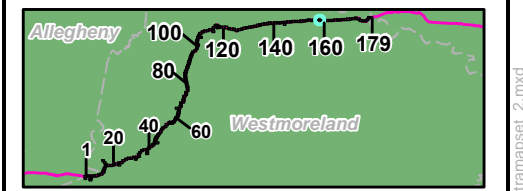
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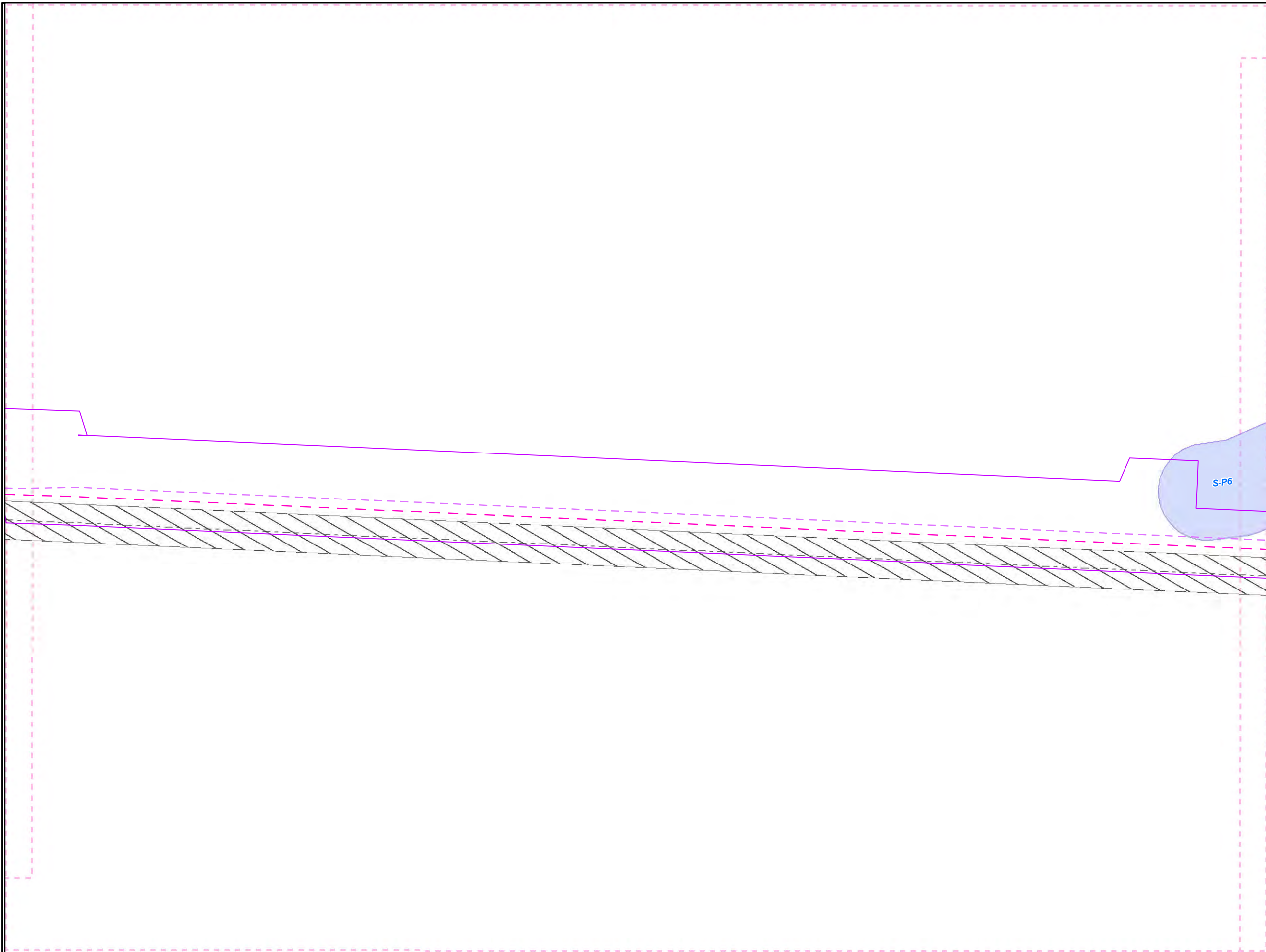


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
 158 of 179

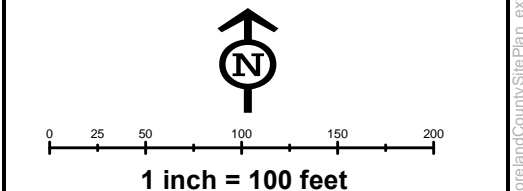
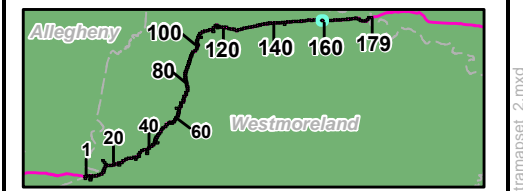
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

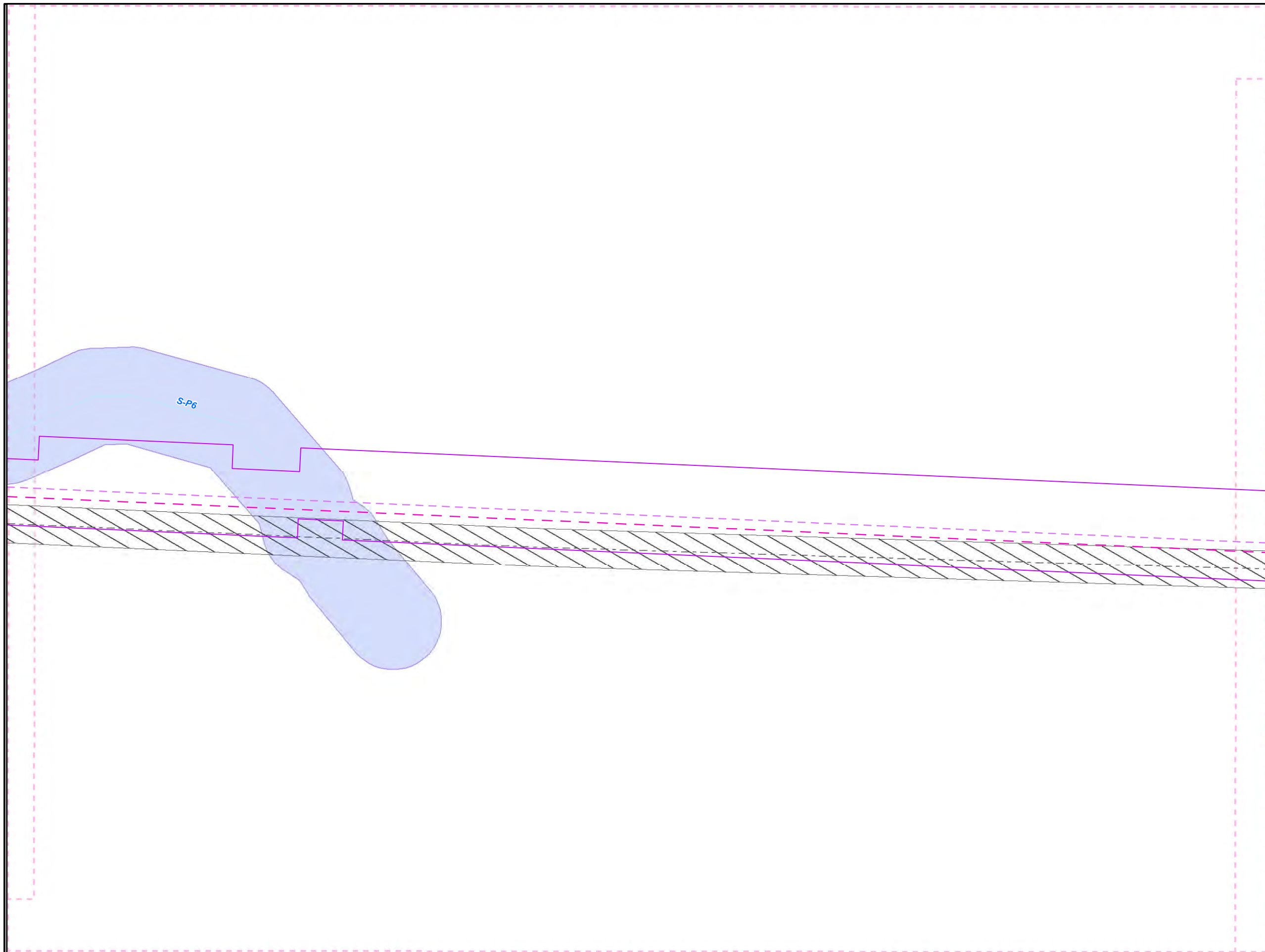


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
159 of 179**

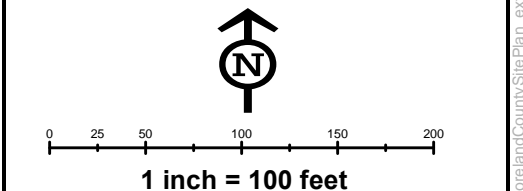
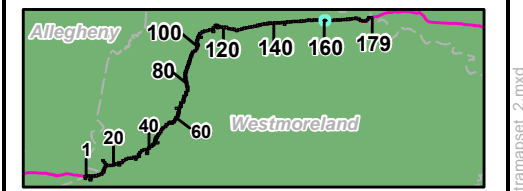
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

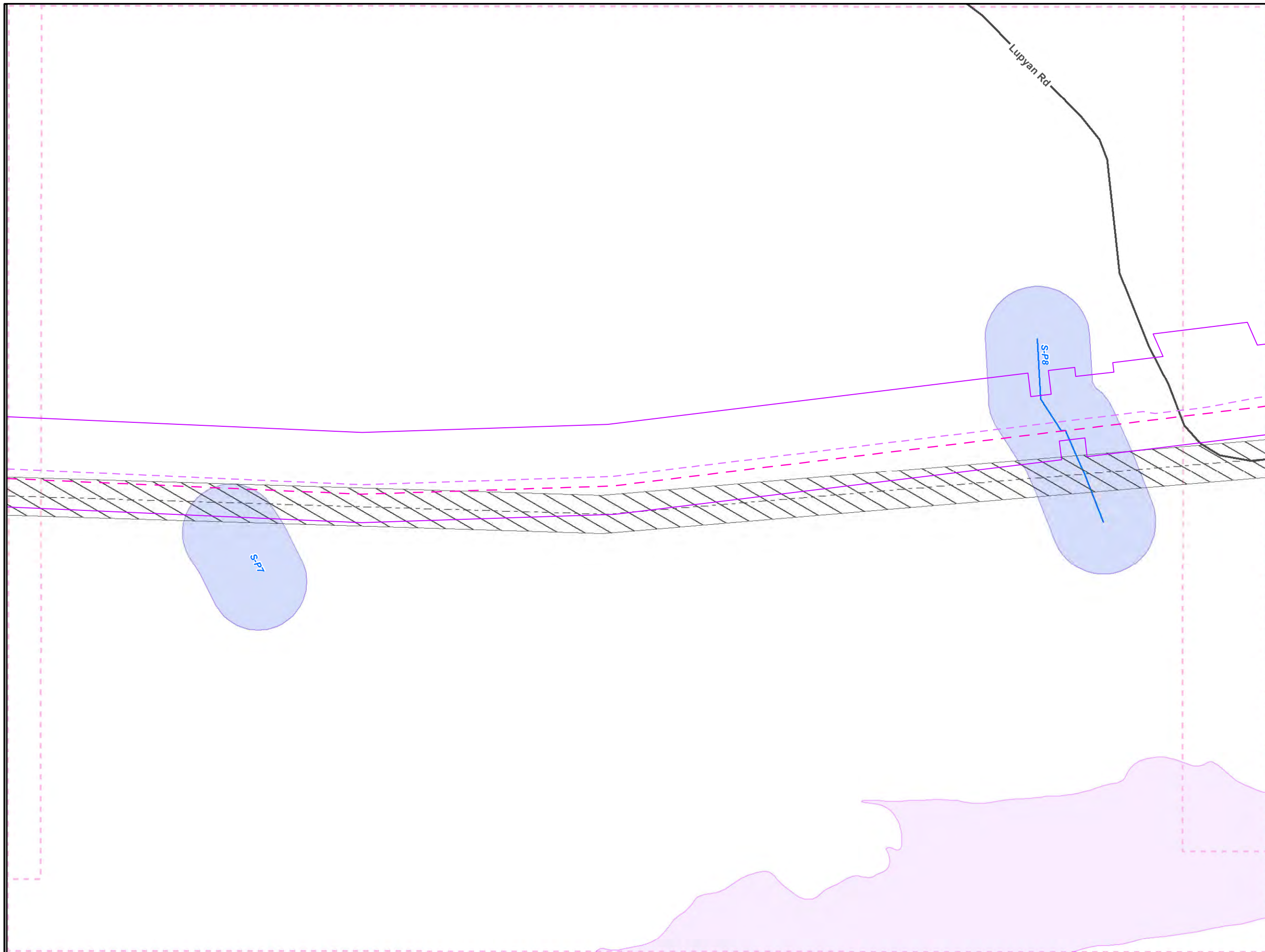


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
160 of 179**

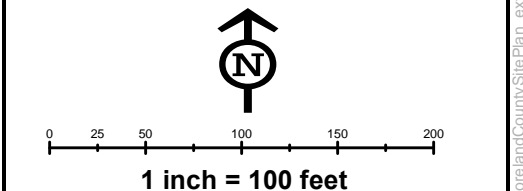
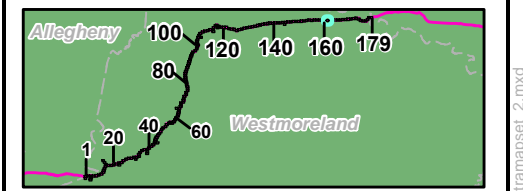
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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  - Waived Ch. 105 Floodways
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  - Roads
  - - - Sheet Boundary

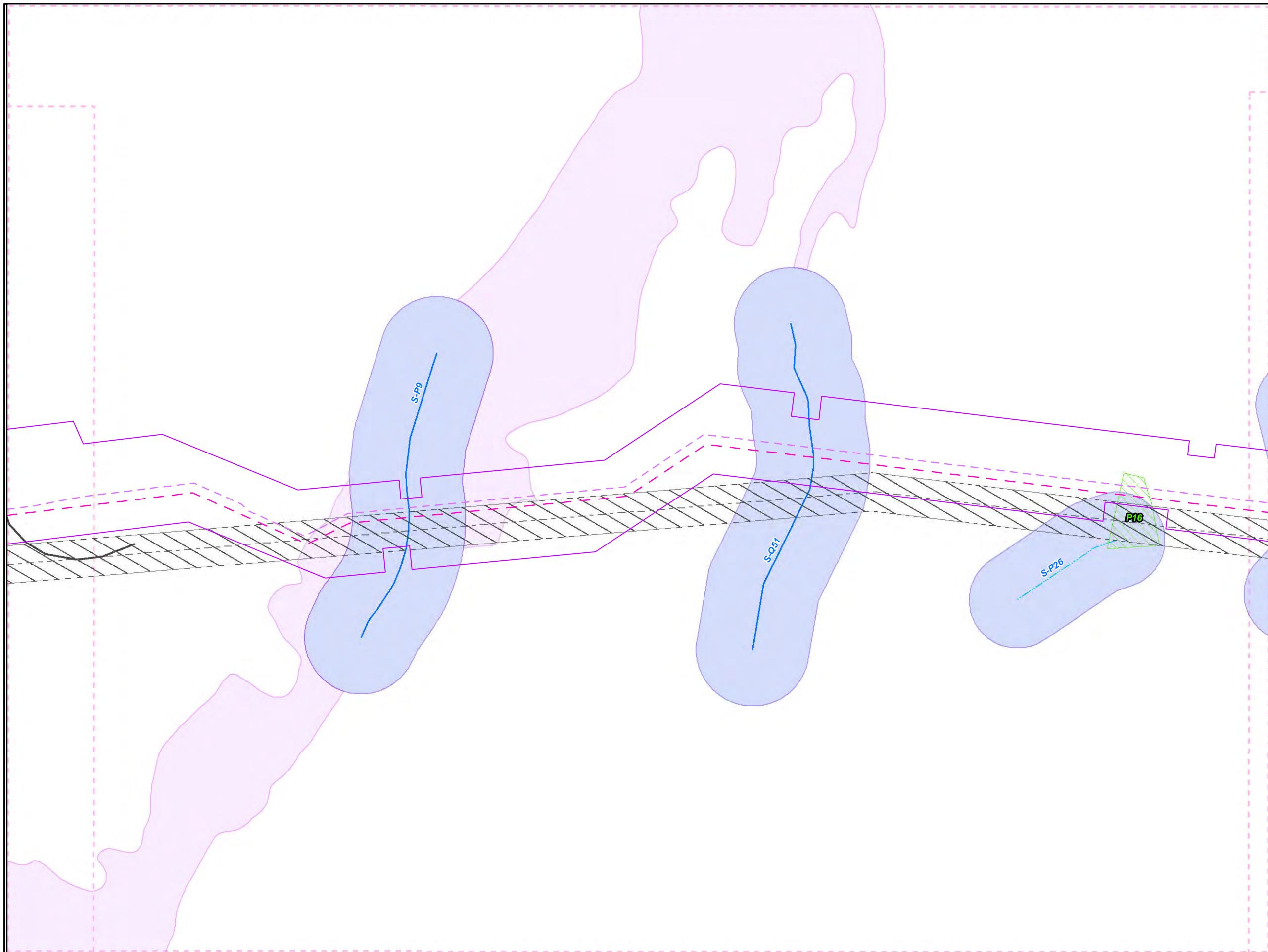


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA. 161 of 179**

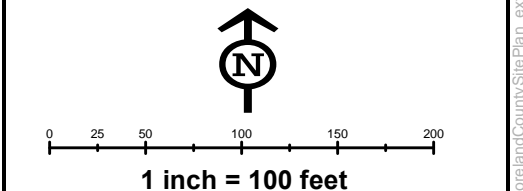
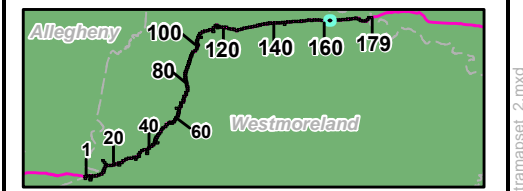
Prepared By:	Date:
TETRA TECH	11/2016

Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

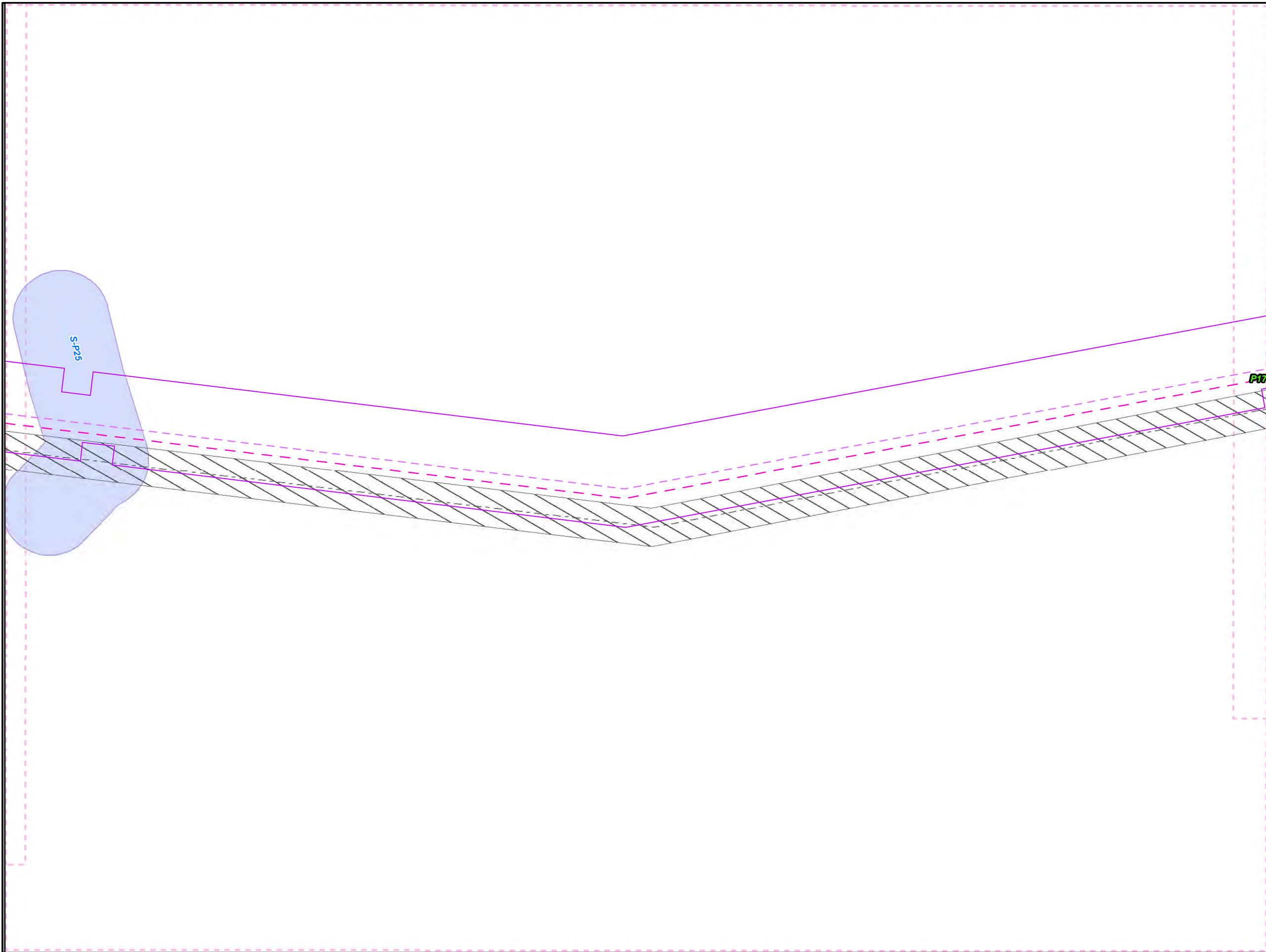


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
162 of 179**

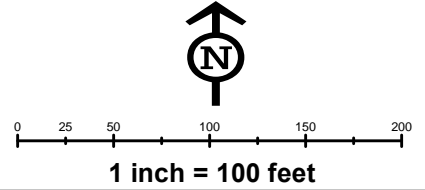
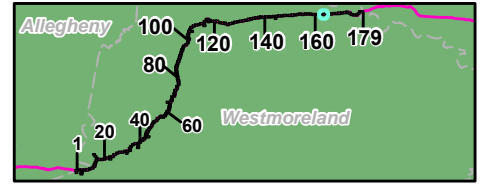
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
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  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

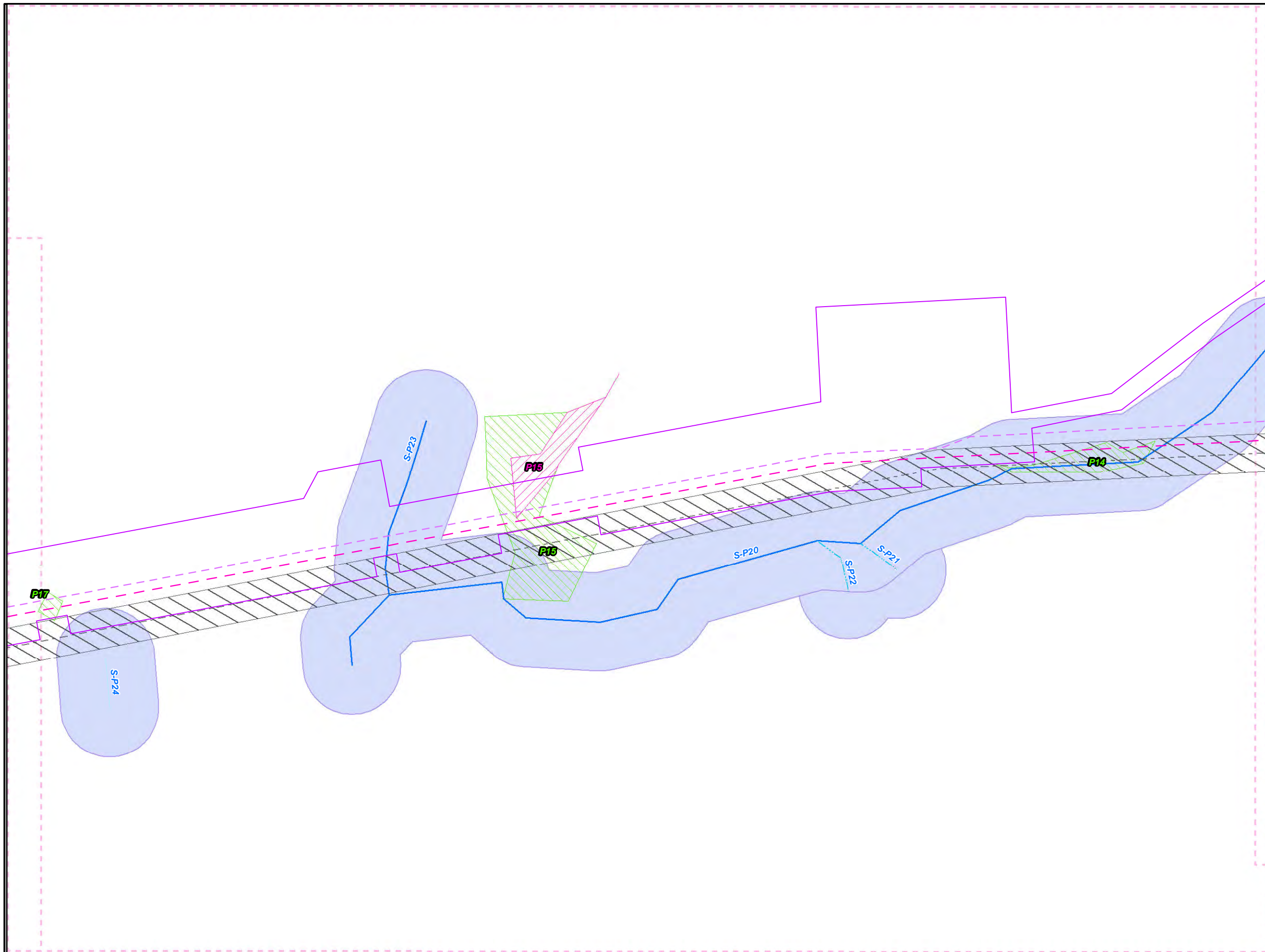


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
163 of 179**

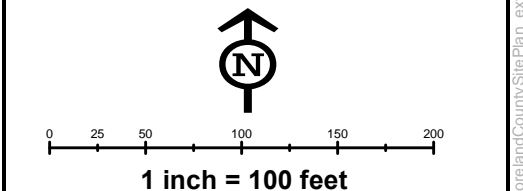
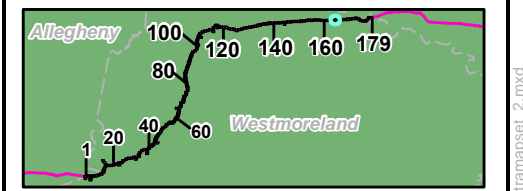
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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- Legend**
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  - ◊ PSS Wetland
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  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
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  - Sheet Boundary

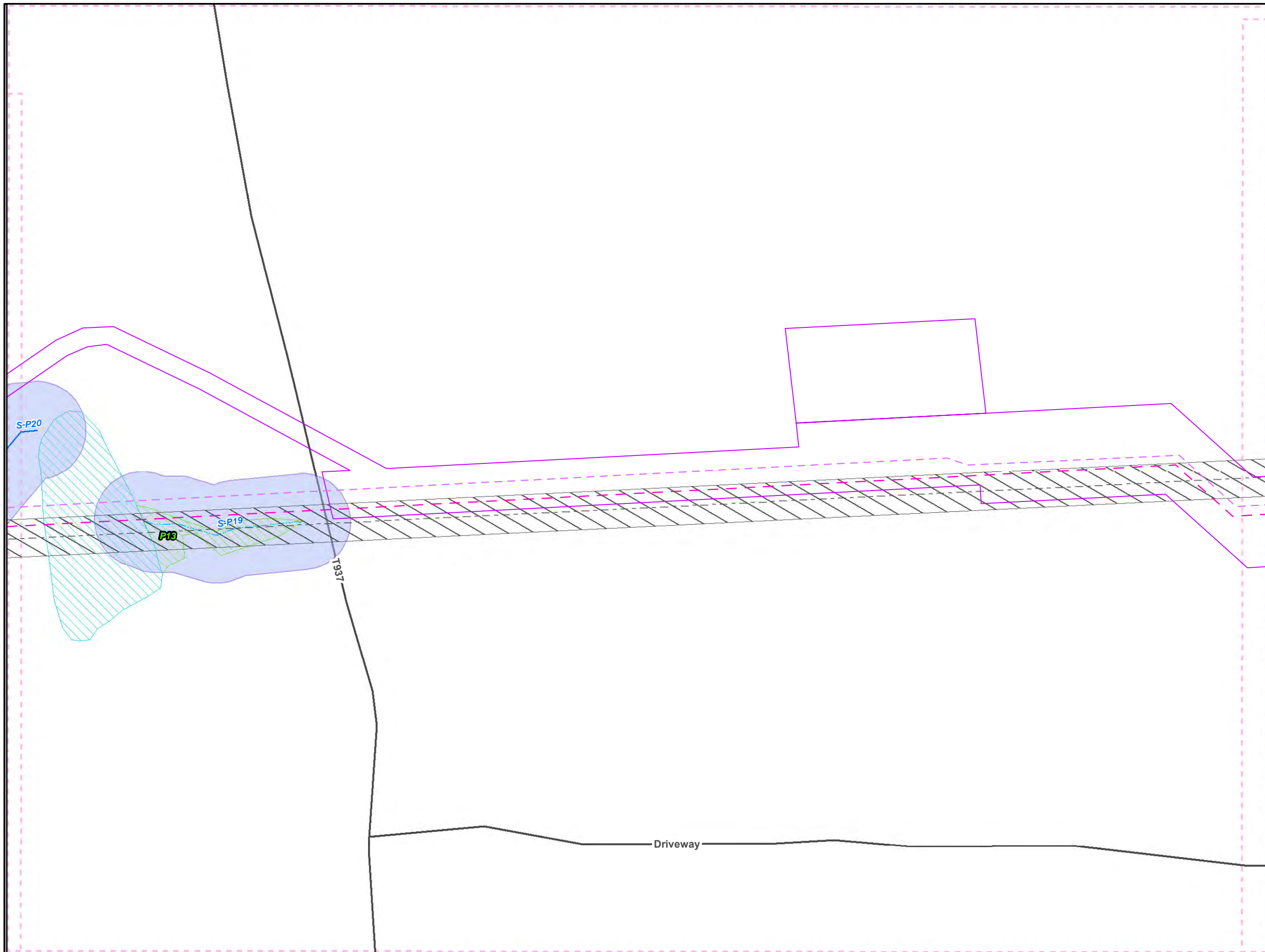


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
 164 of 179

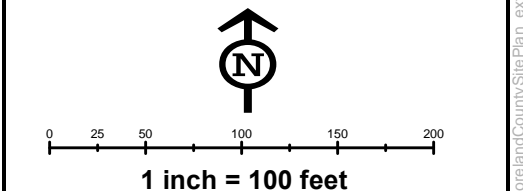
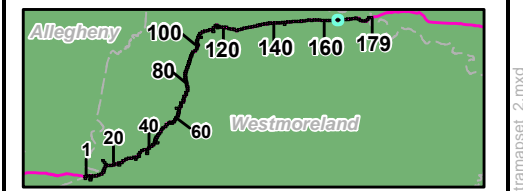
<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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  - - - Sheet Boundary

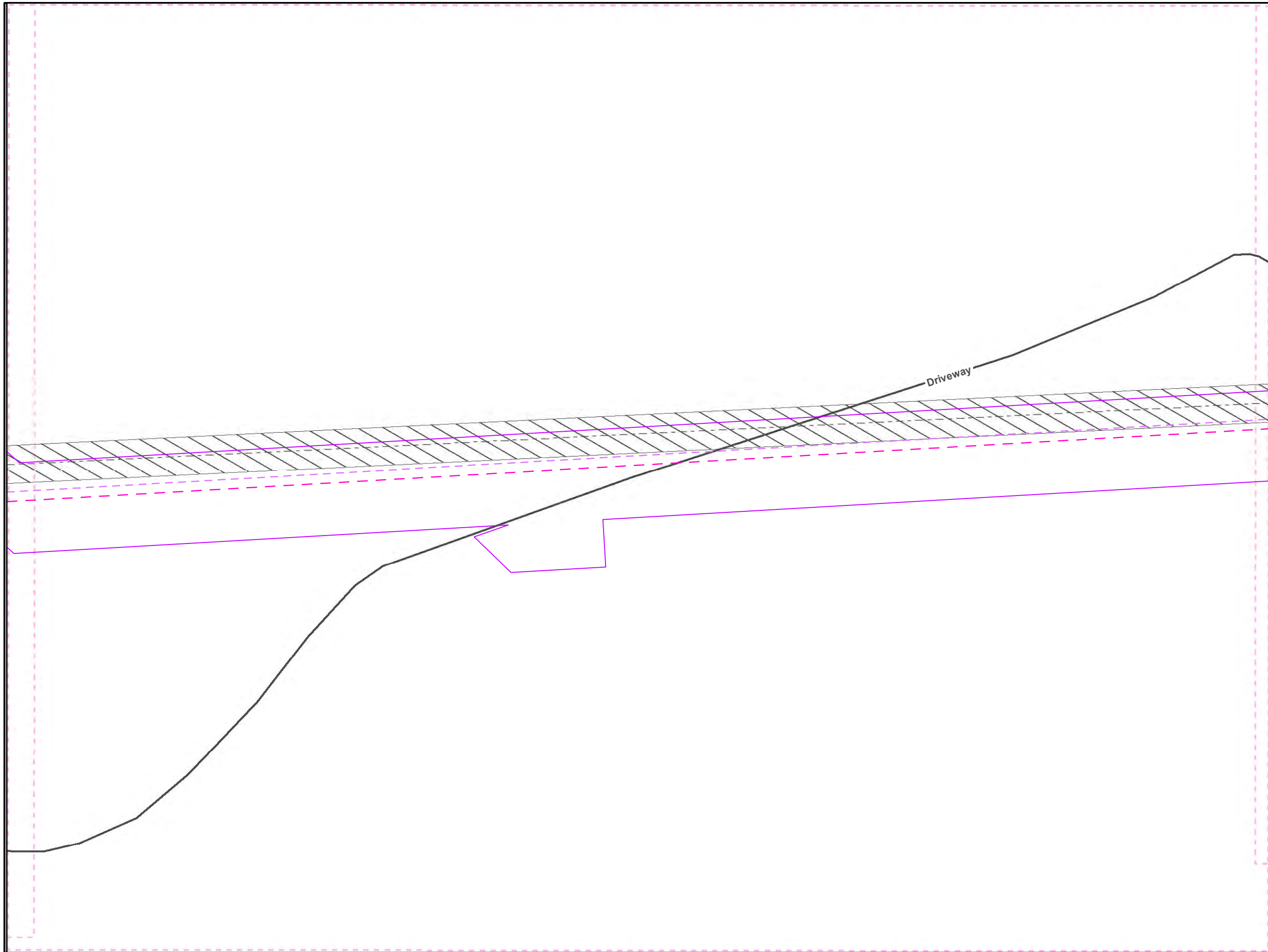


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
165 of 179**

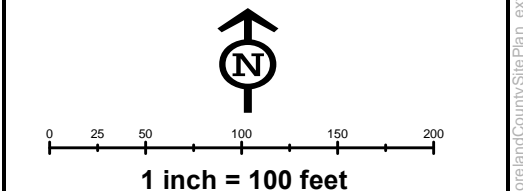
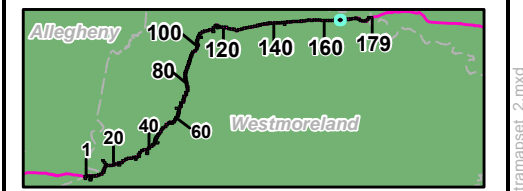
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  - - - Sheet Boundary

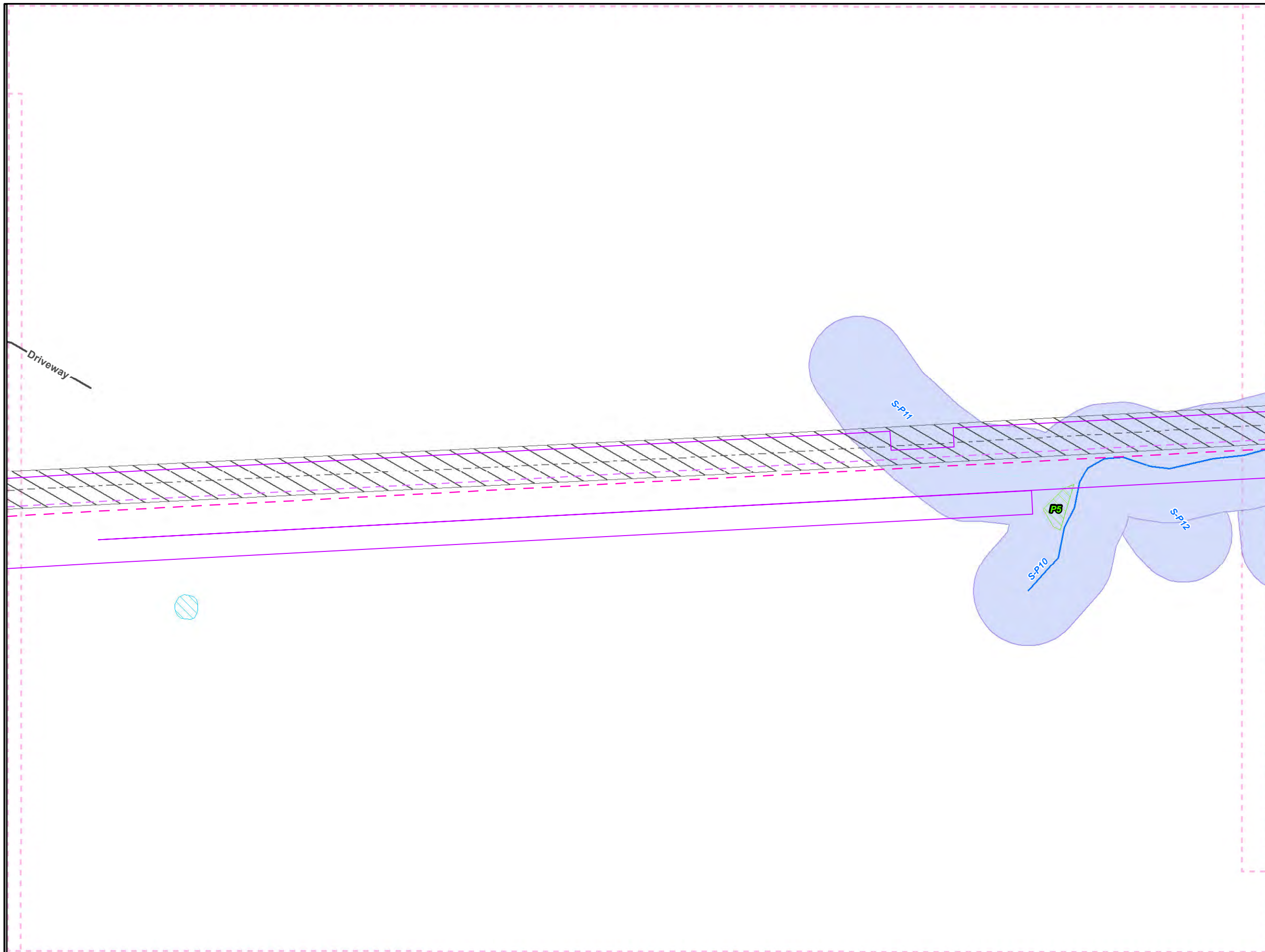


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
166 of 179**

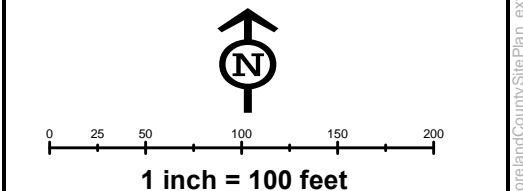
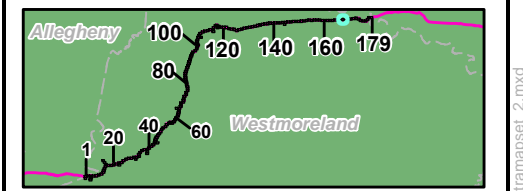
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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  - Ch. 106 Floodplain Fringe
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  - - - Sheet Boundary

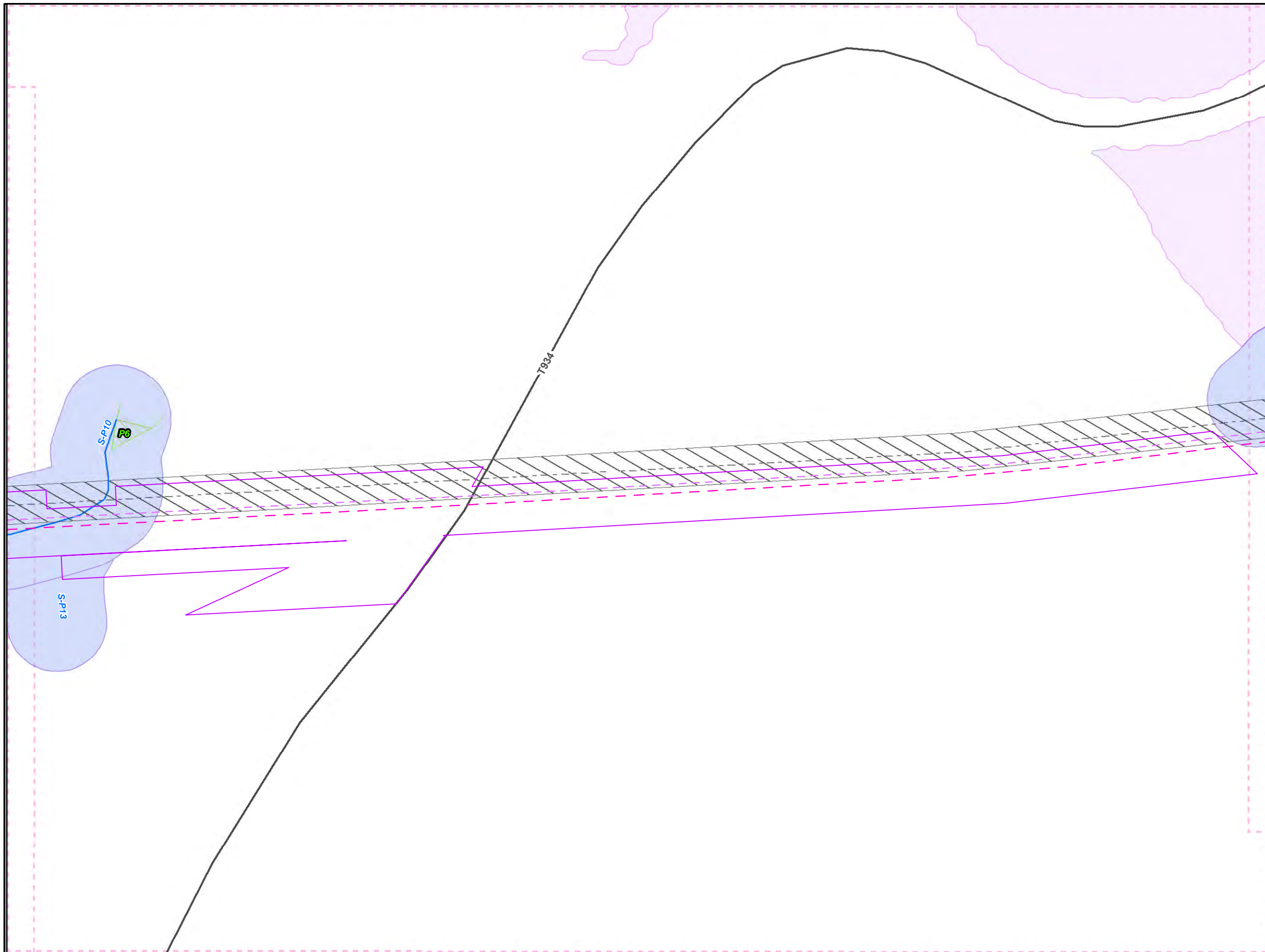


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
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167 of 179**

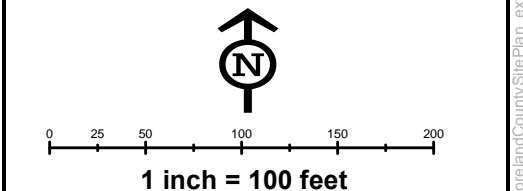
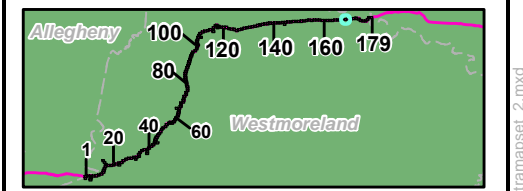
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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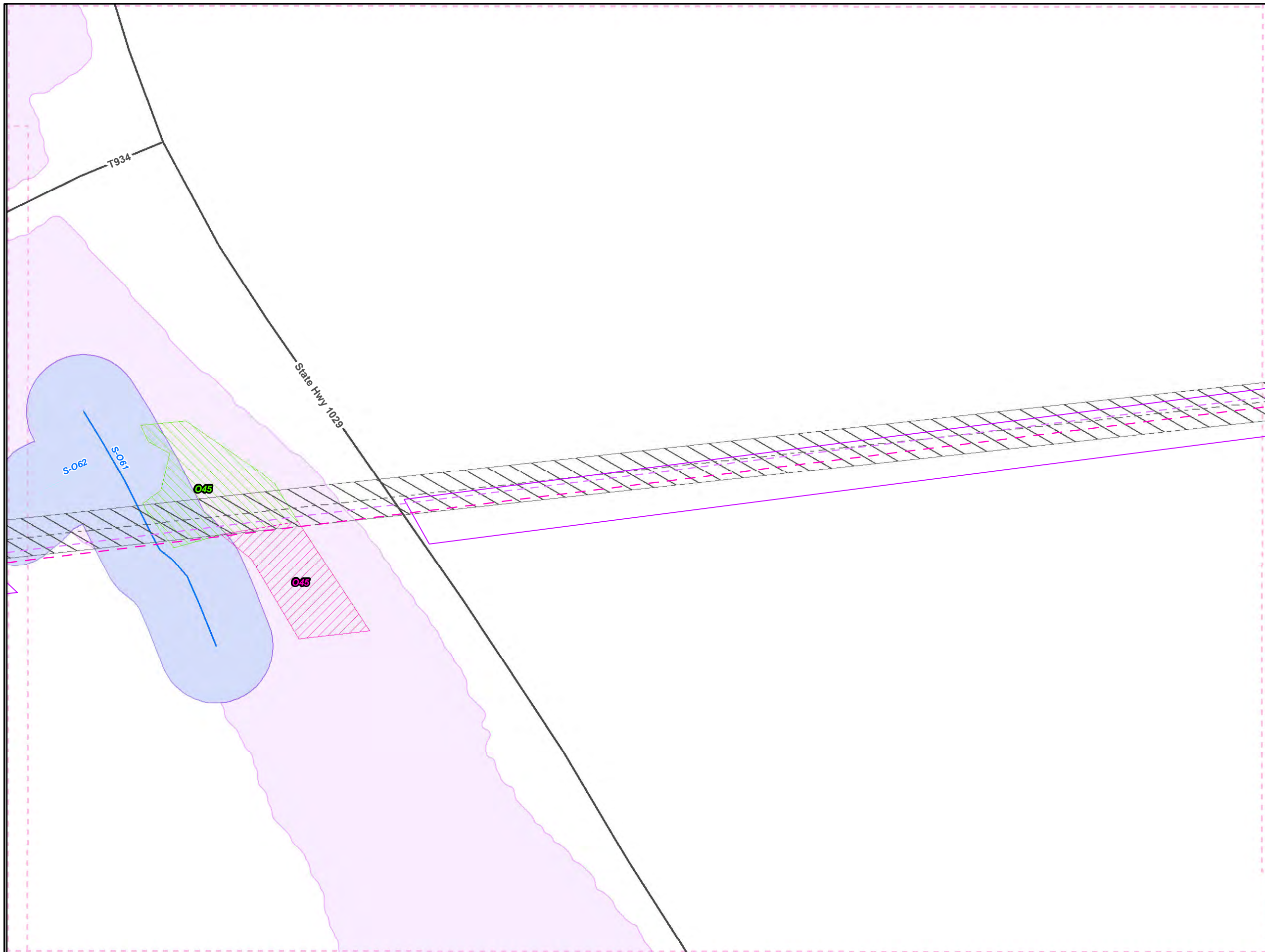


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
168 of 179**

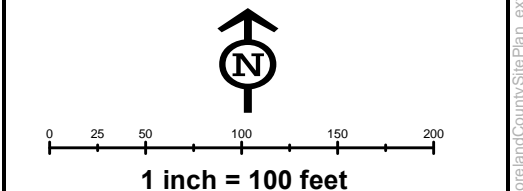
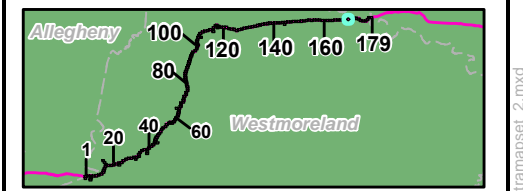
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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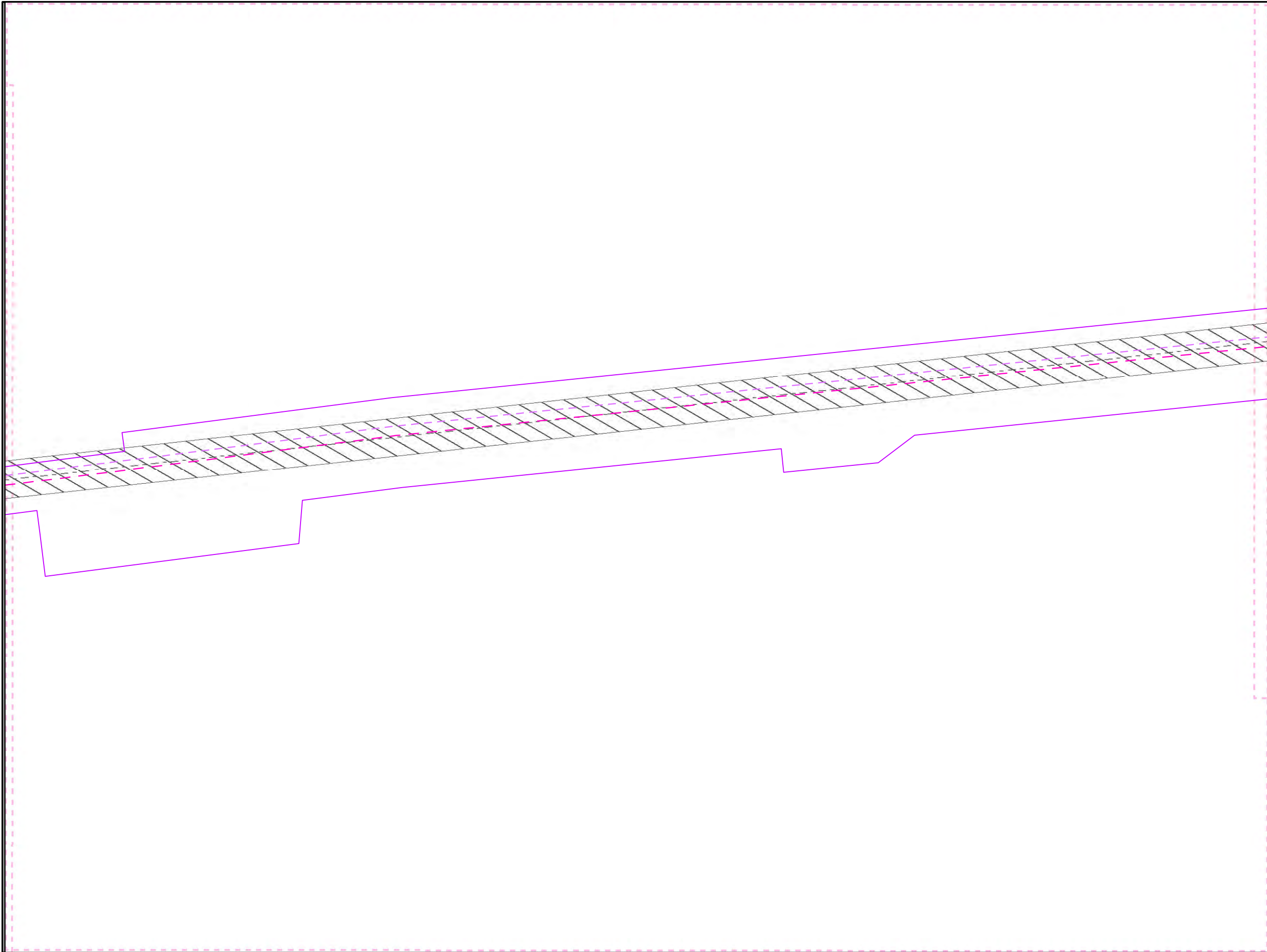


**ME1 8" and 12" Overlap with the  
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169 of 179**

<b>Prepared By:</b> 	<b>Date:</b> 11/2016
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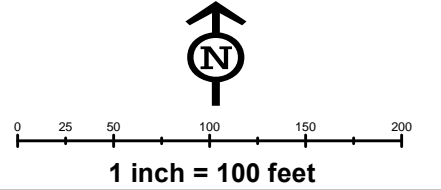
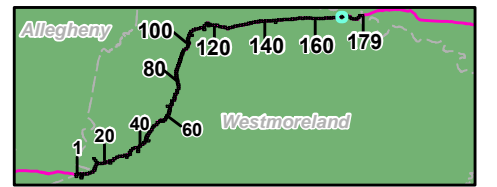
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**Legend**

- PPP 1
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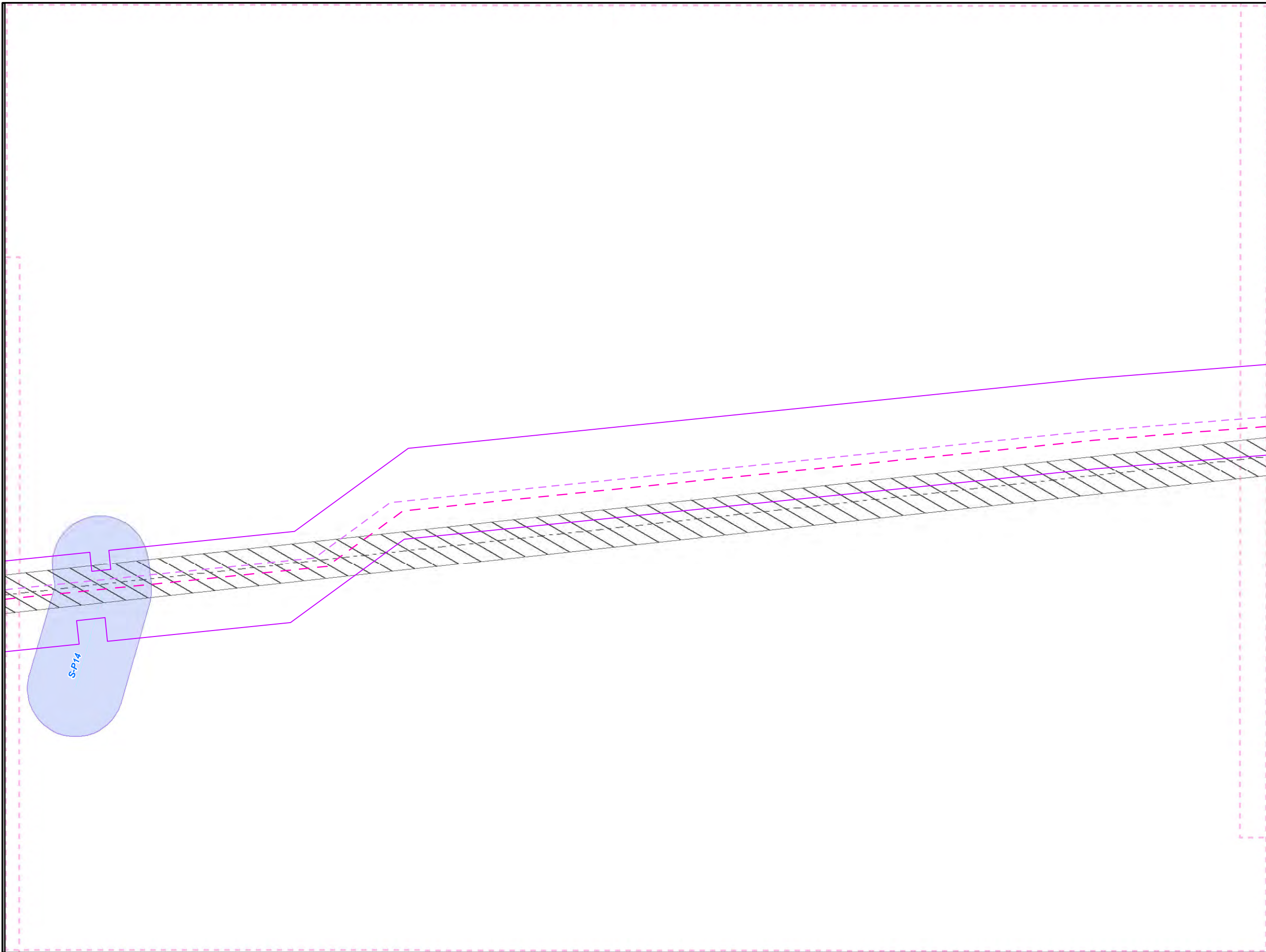


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
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170 of 179**

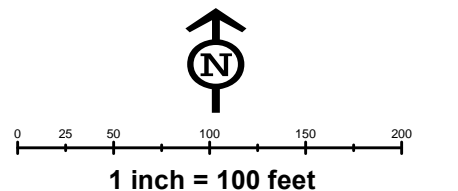
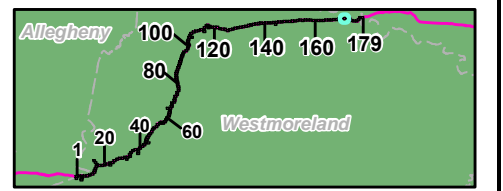
<b>Prepared By:</b> TETRA TECH	<b>Date:</b> 11/2016
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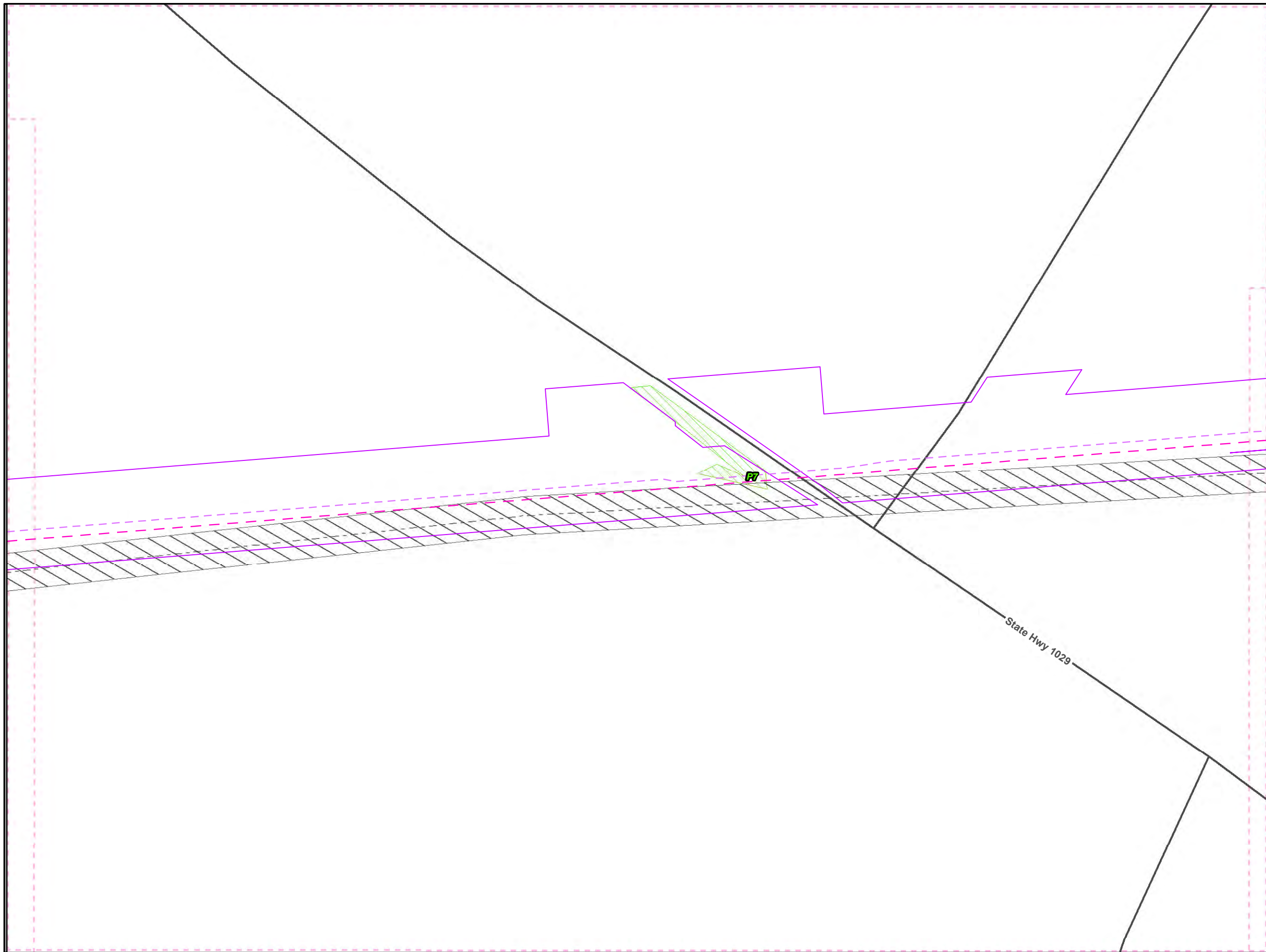


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171 of 179**

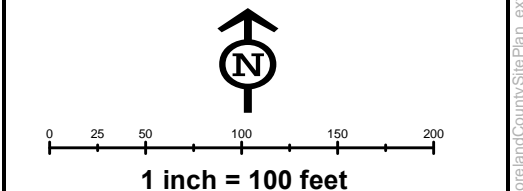
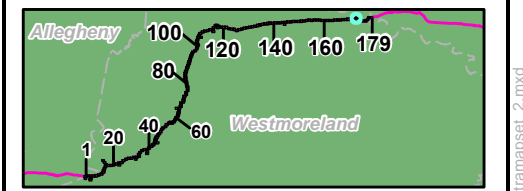
<b>Prepared By:</b> <b>TETRA TECH</b>	<b>Date:</b> <b>11/2016</b>
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.  
 Coordinate System: NAD 83 Stateplane, PA South, Feet

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- Legend**
- PPP 1
  - PPP 2
  - PPP LOD
  - 8" Centerline
  - ▨ 8" Pipeline Maintenance Corridor
  - ME1 12" Centerline
  - ME1 12" Perm ROW
  - Stations
  - ~ Ephemeral Stream
  - ~ Intermittent Stream
  - ~ Perennial Stream
  - Pond
  - ◊ PEM Wetland
  - ◊ PFO Wetland
  - ◊ PSS Wetland
  - Ch. 105 Floodways
  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

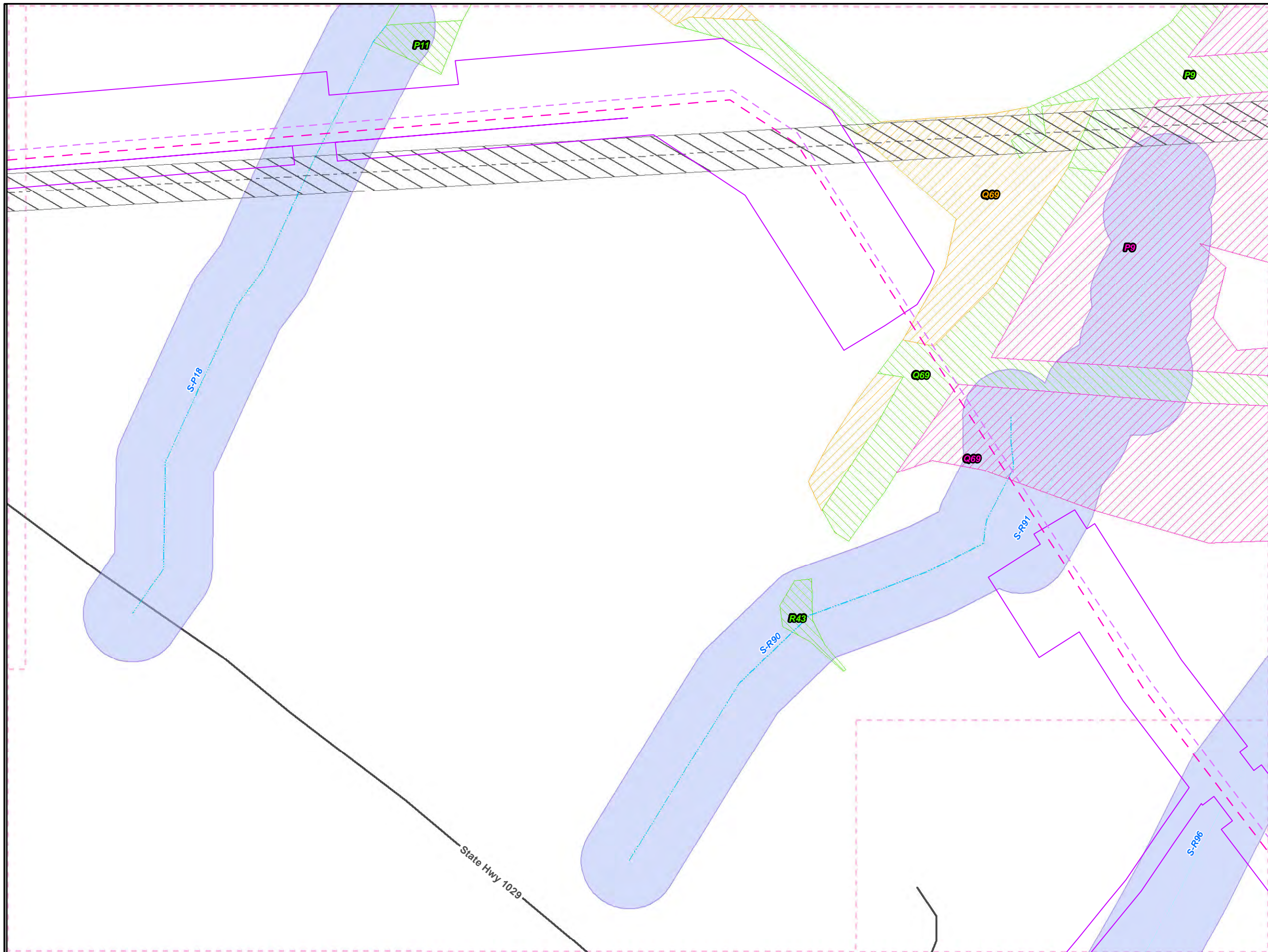


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
172 of 179**

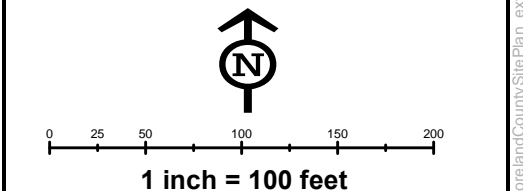
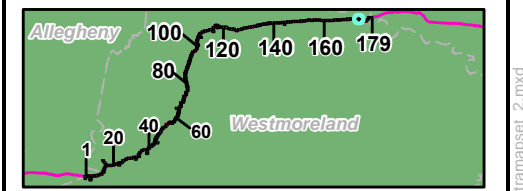
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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  - ▨ PEM Wetland
  - ▨ PFO Wetland
  - ▨ PSS Wetland
  - ▨ Ch. 105 Floodways
  - ▨ Waived Ch. 105 Floodways
  - ▨ Ch. 106 Floodplain Fringe
  - Roads
  - - - Sheet Boundary

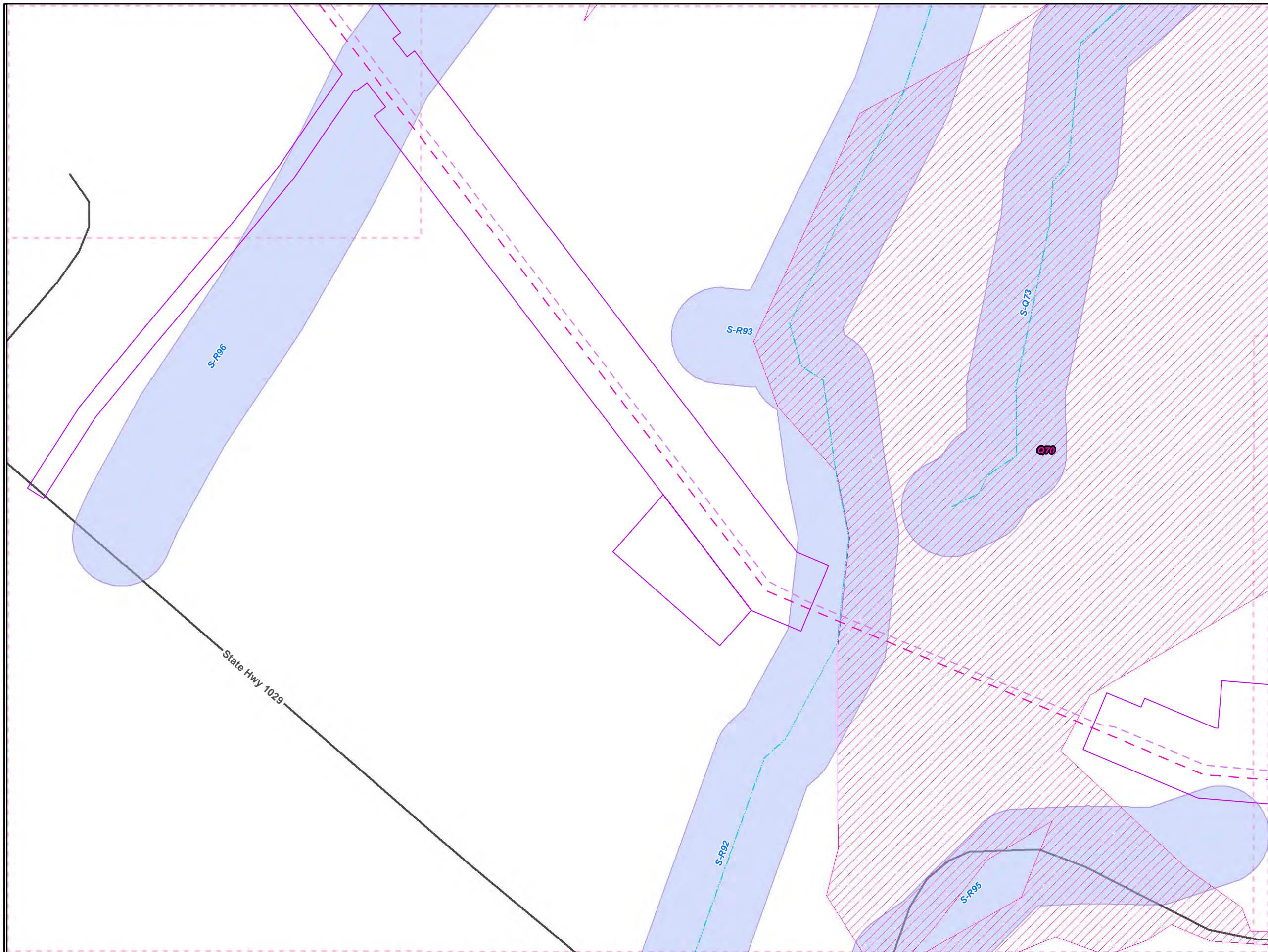


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA. 173 of 179**

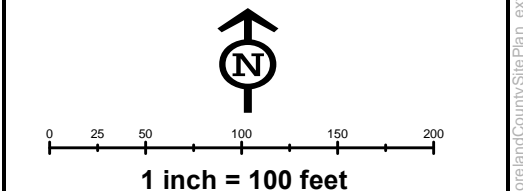
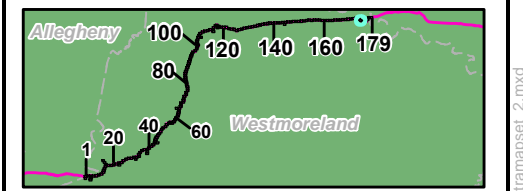
<b>Prepared By:</b> TETRA TECH	<b>Date:</b> 11/2016
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  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

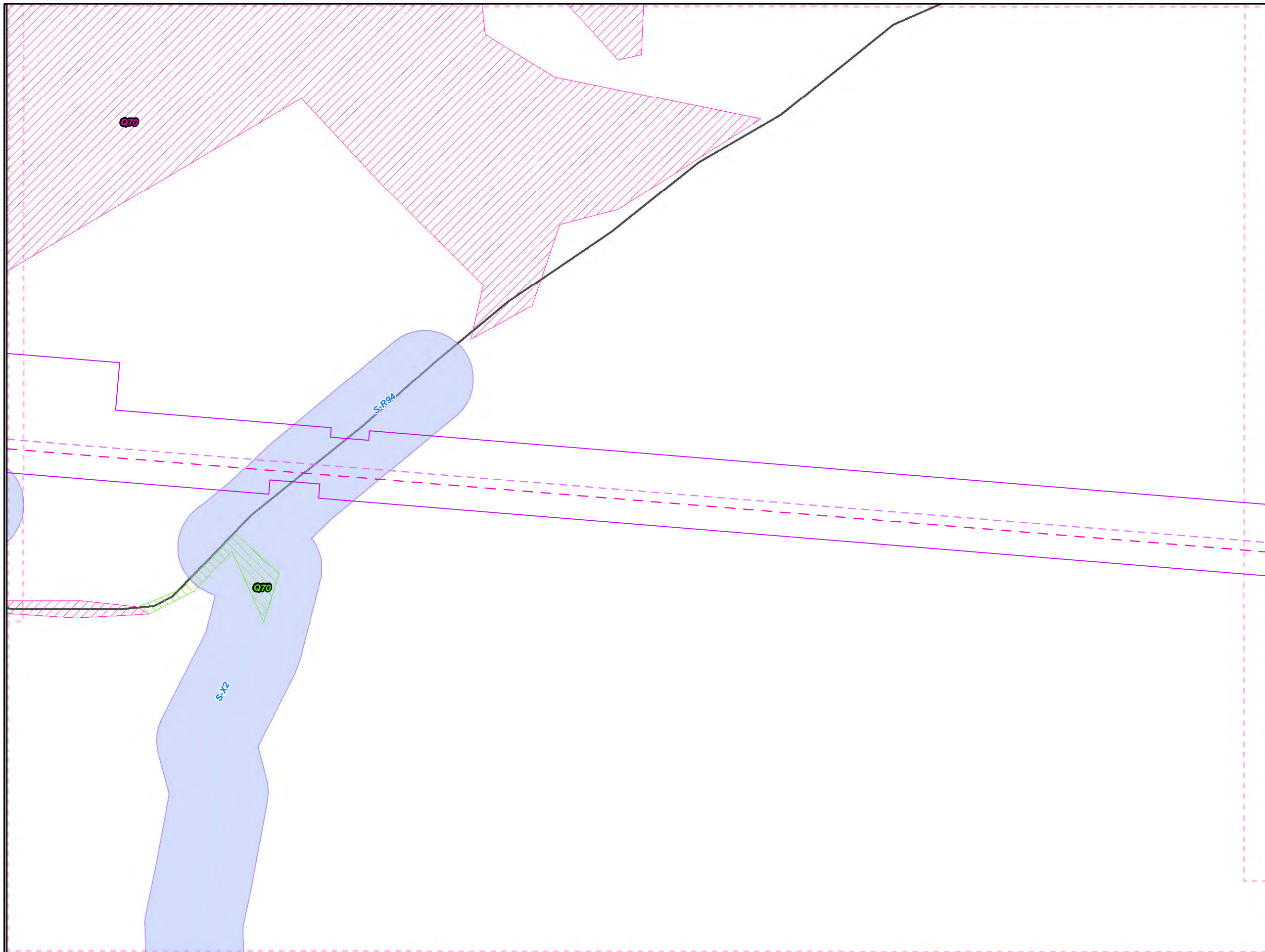


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA. 174 of 179**

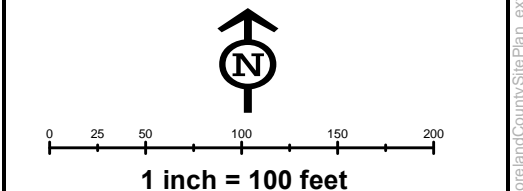
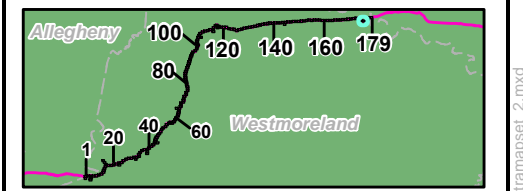
Prepared By:	Date:
TETRA TECH	11/2016

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  - ▨ PSS Wetland
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  - Waived Ch. 105 Floodways
  - Ch. 106 Floodplain Fringe
  - Roads
  - Sheet Boundary

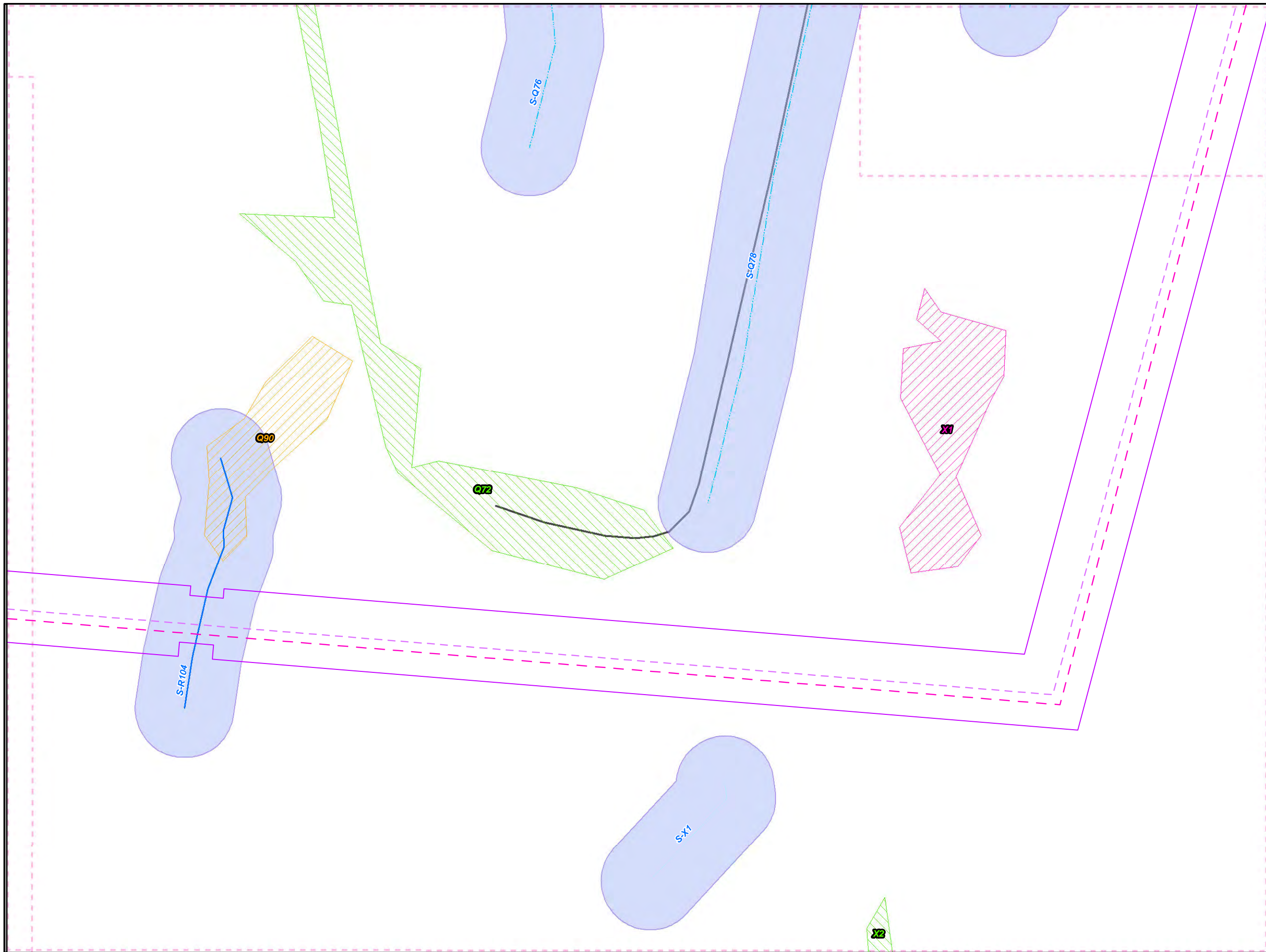


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
175 of 179**

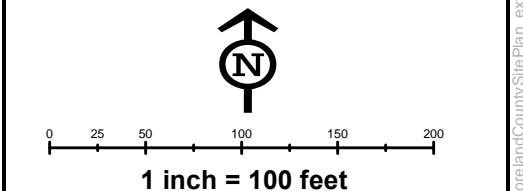
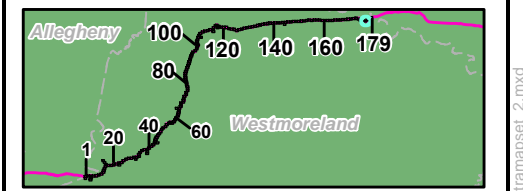
<b>Prepared By:</b> 	<b>Date:</b> <b>11/2016</b>
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  - Roads
  - - - Sheet Boundary

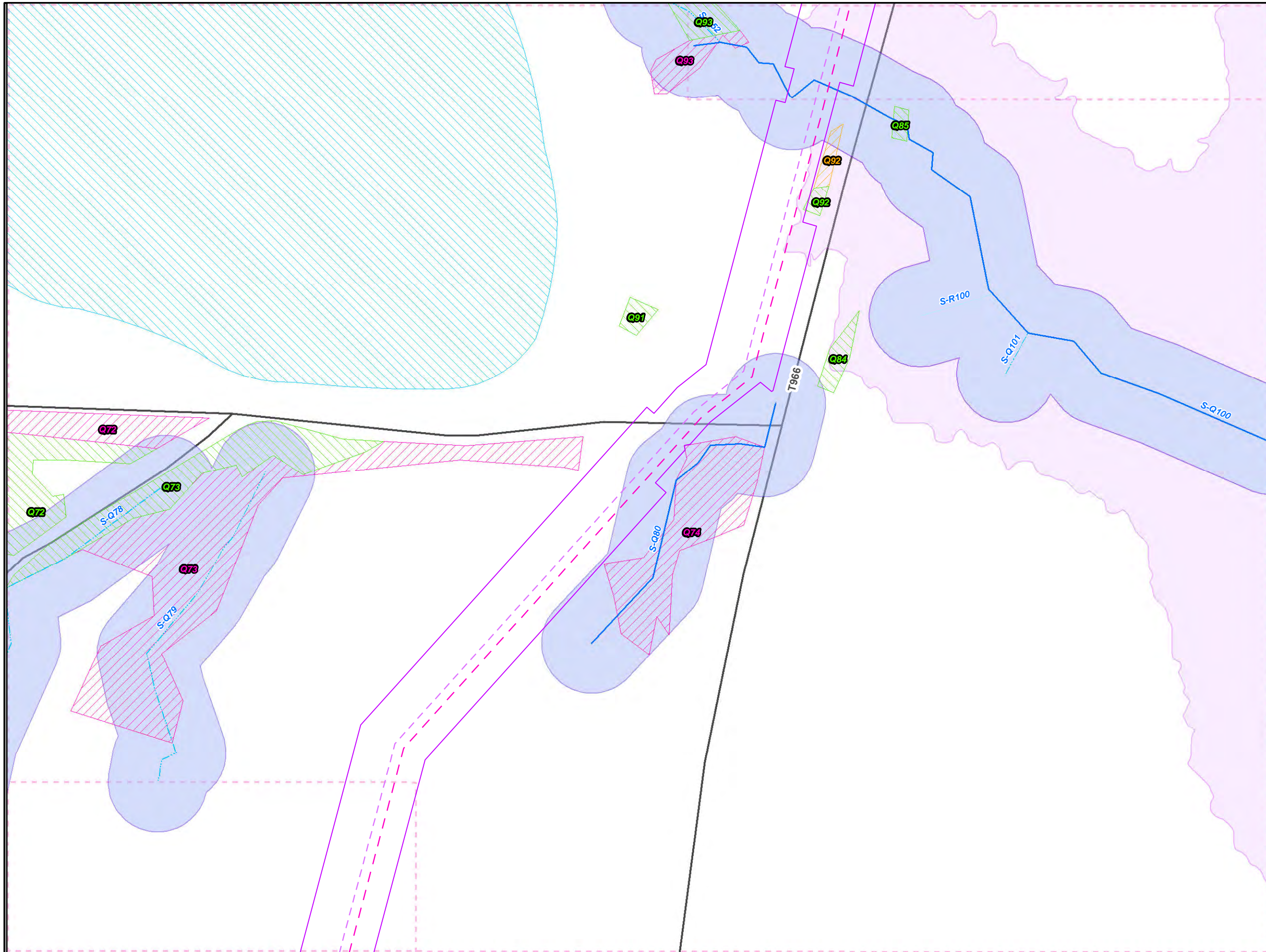


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Westmoreland County, PA.**  
 176 of 179

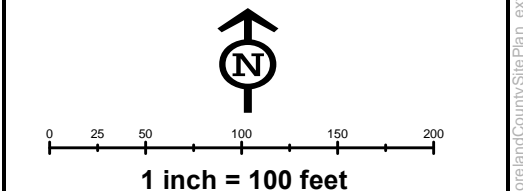
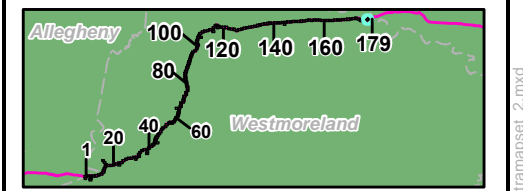
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TETRA TECH	11/2016

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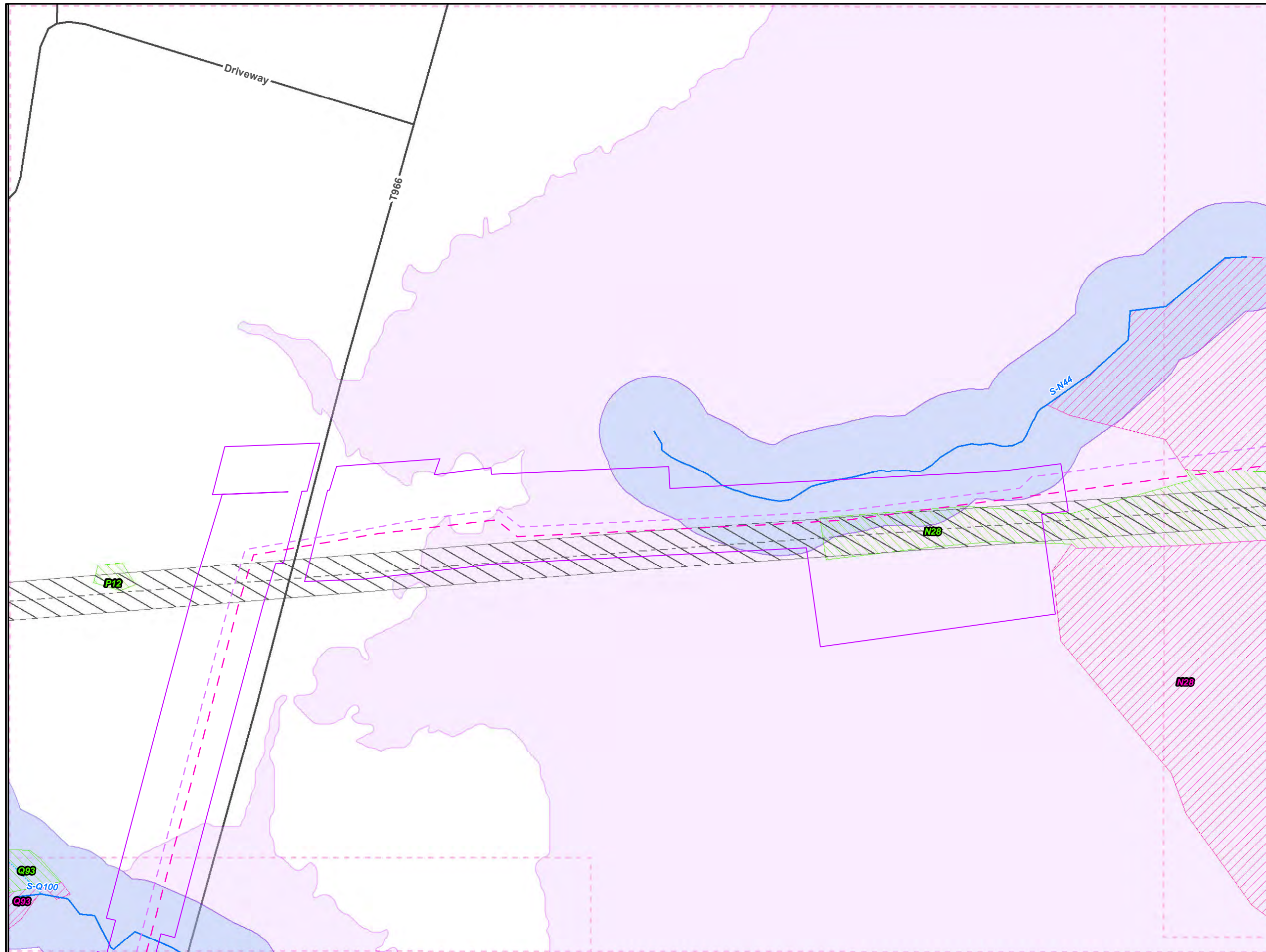


**ME1 8" and 12" Overlap with the  
Proposed Pennsylvania Pipeline  
Westmoreland County, PA.  
177 of 179**

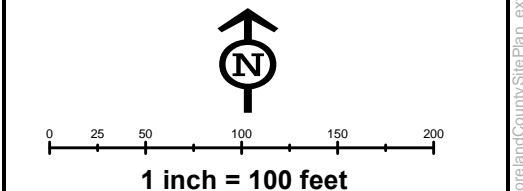
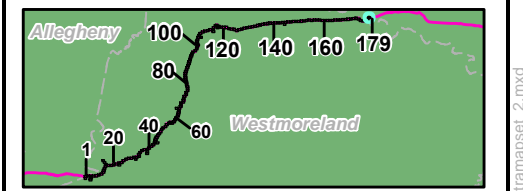
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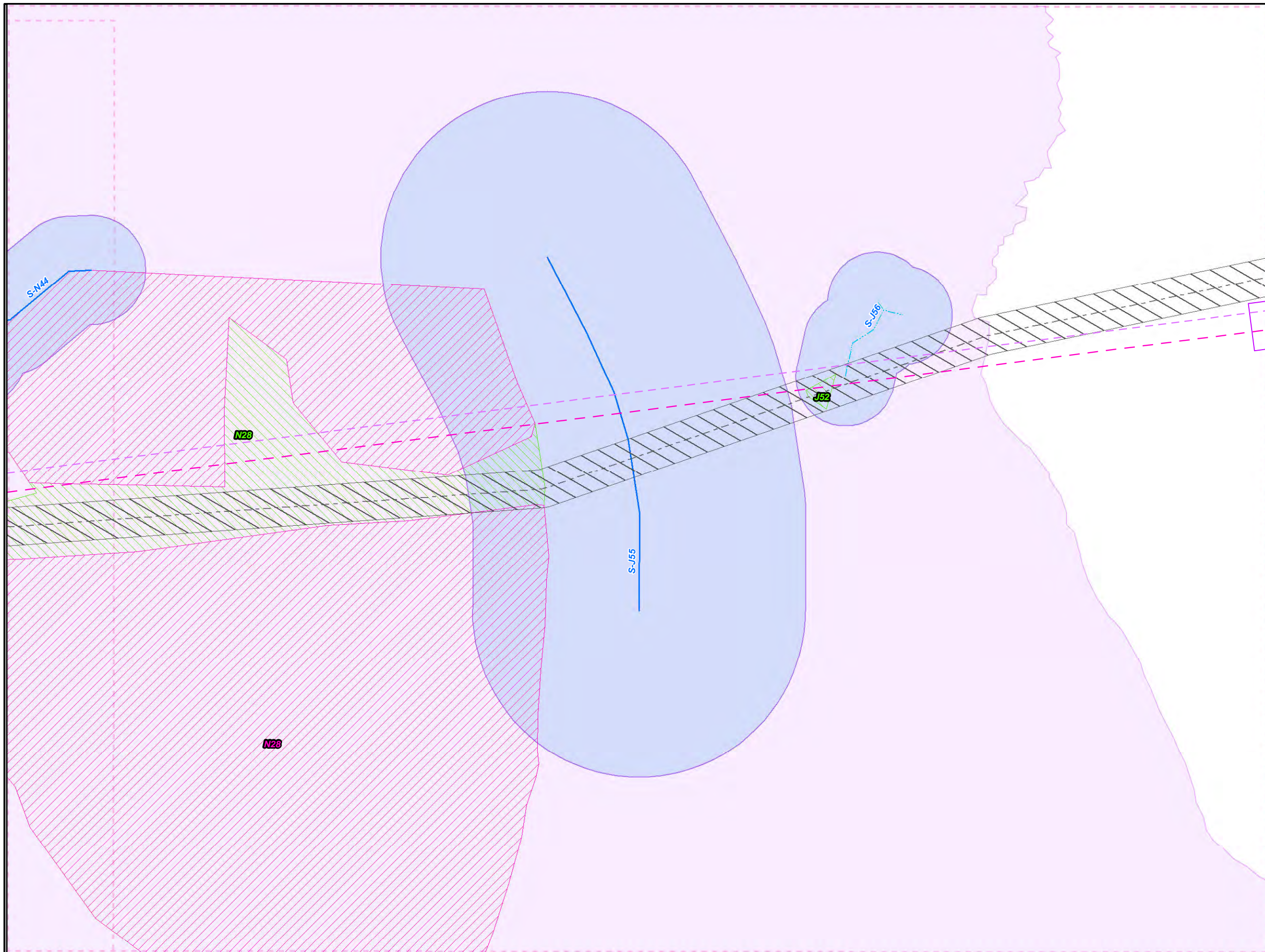


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Proposed Pennsylvania Pipeline  
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178 of 179**

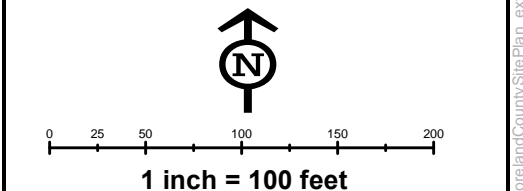
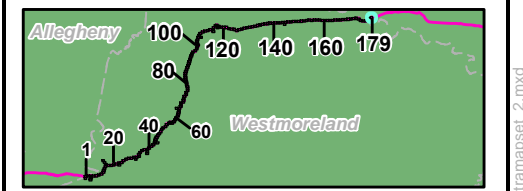
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179 of 179**

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