

Legend

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

Mapset Legend

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



0 0.5 1 2 3 4 Miles

1 inch = 10,000 feet

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

Prepared By:



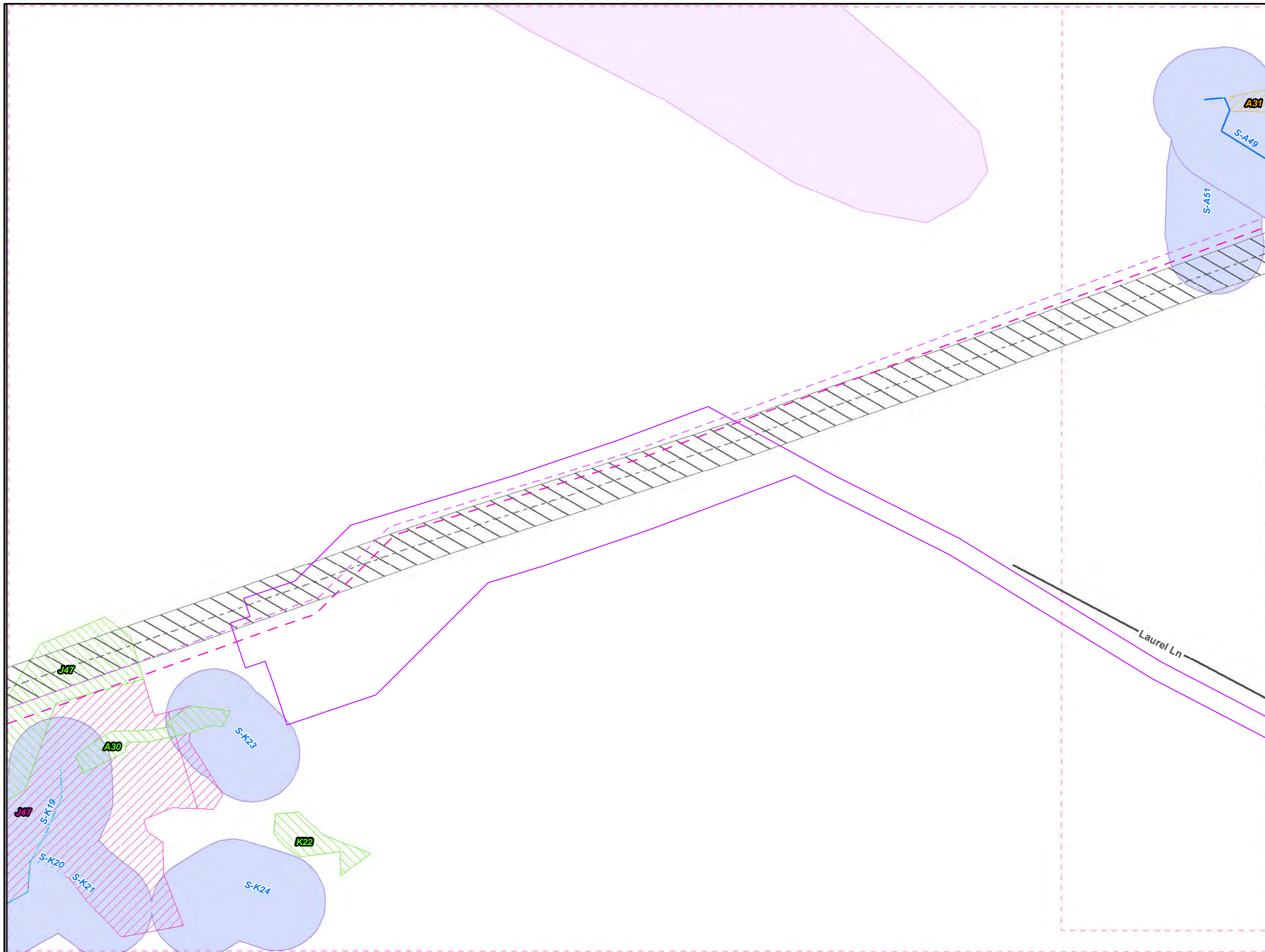
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11/2016

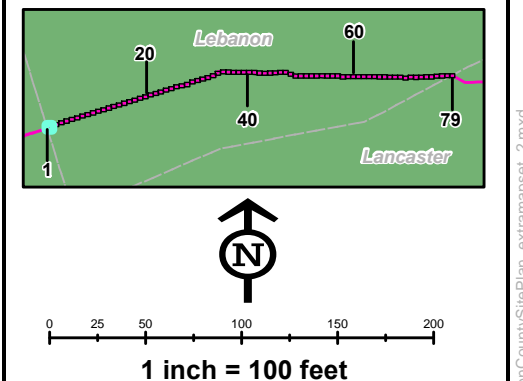
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.

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
 - Stations
 - ~ Ephemeral Stream
 - ~ Intermittent Stream
 - ~ Perennial Stream
 - ▨ Pond
 - ▨ PEM Wetland
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 - ▨ PSS Wetland
 - ▨ Ch. 105 Floodways
 - ▨ Waived Ch. 105 Floodways
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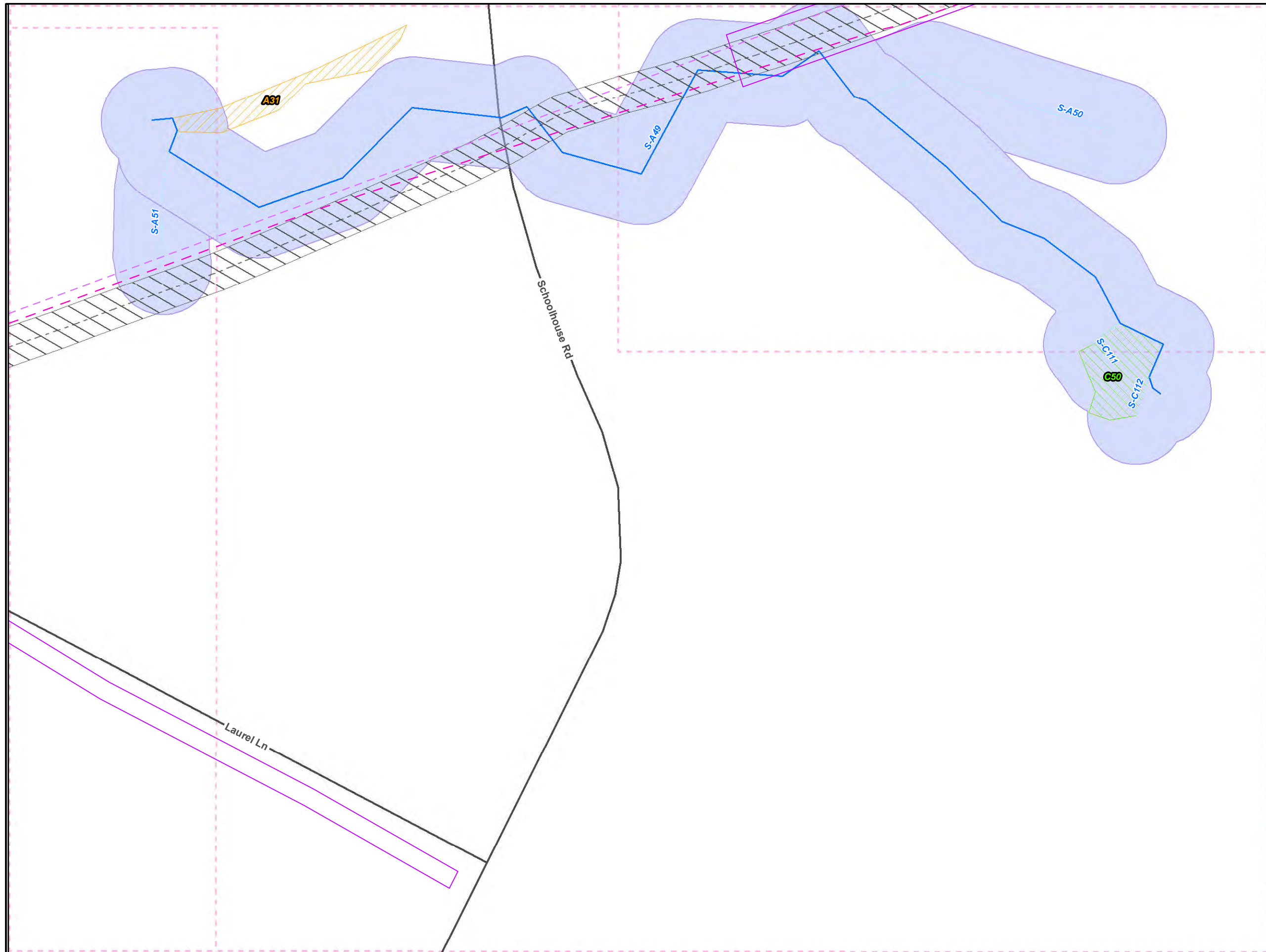


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
 1 of 79

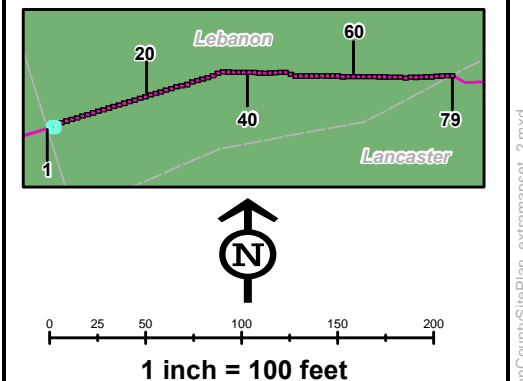
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| Prepared By: | Date: |
| TETRA TECH | 11/2016 |

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

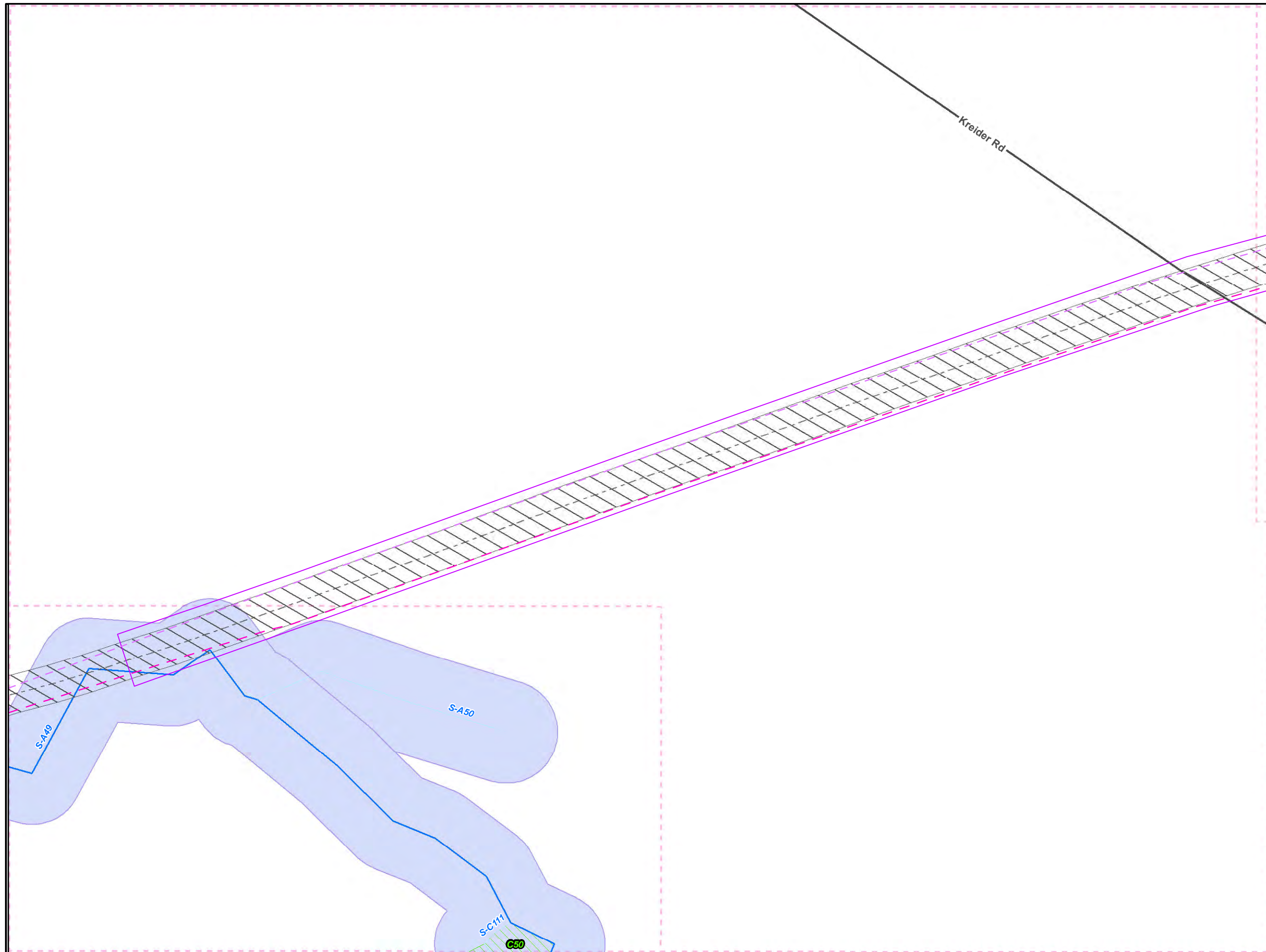


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline
Lebanon County, PA.
2 of 79**

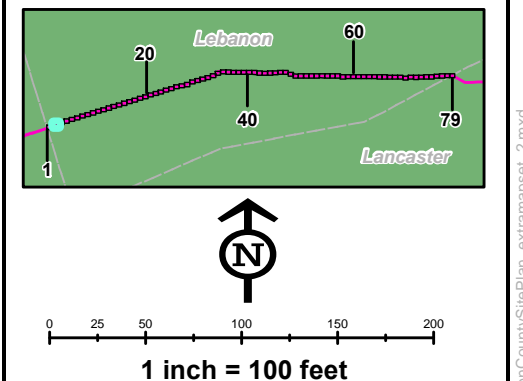
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| Prepared By: TETRA TECH | Date: 11/2016 |
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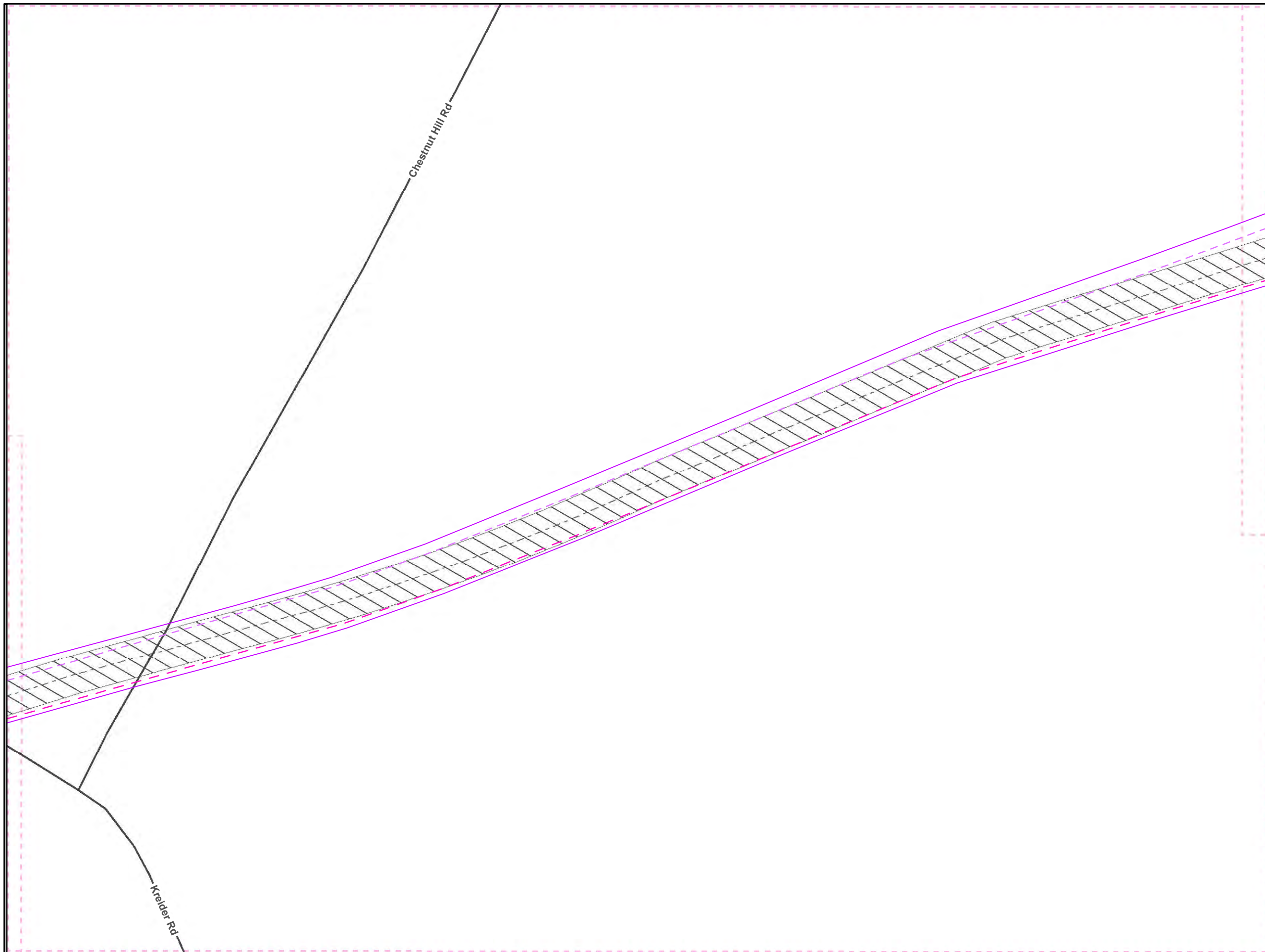


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
3 of 79

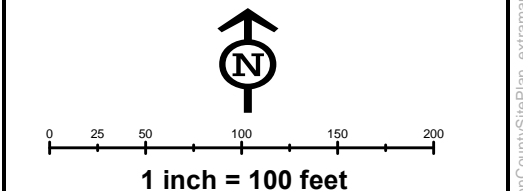
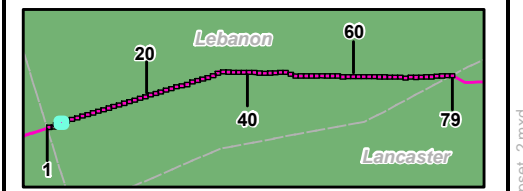
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| Prepared By: TETRA TECH | Date: 11/2016 |
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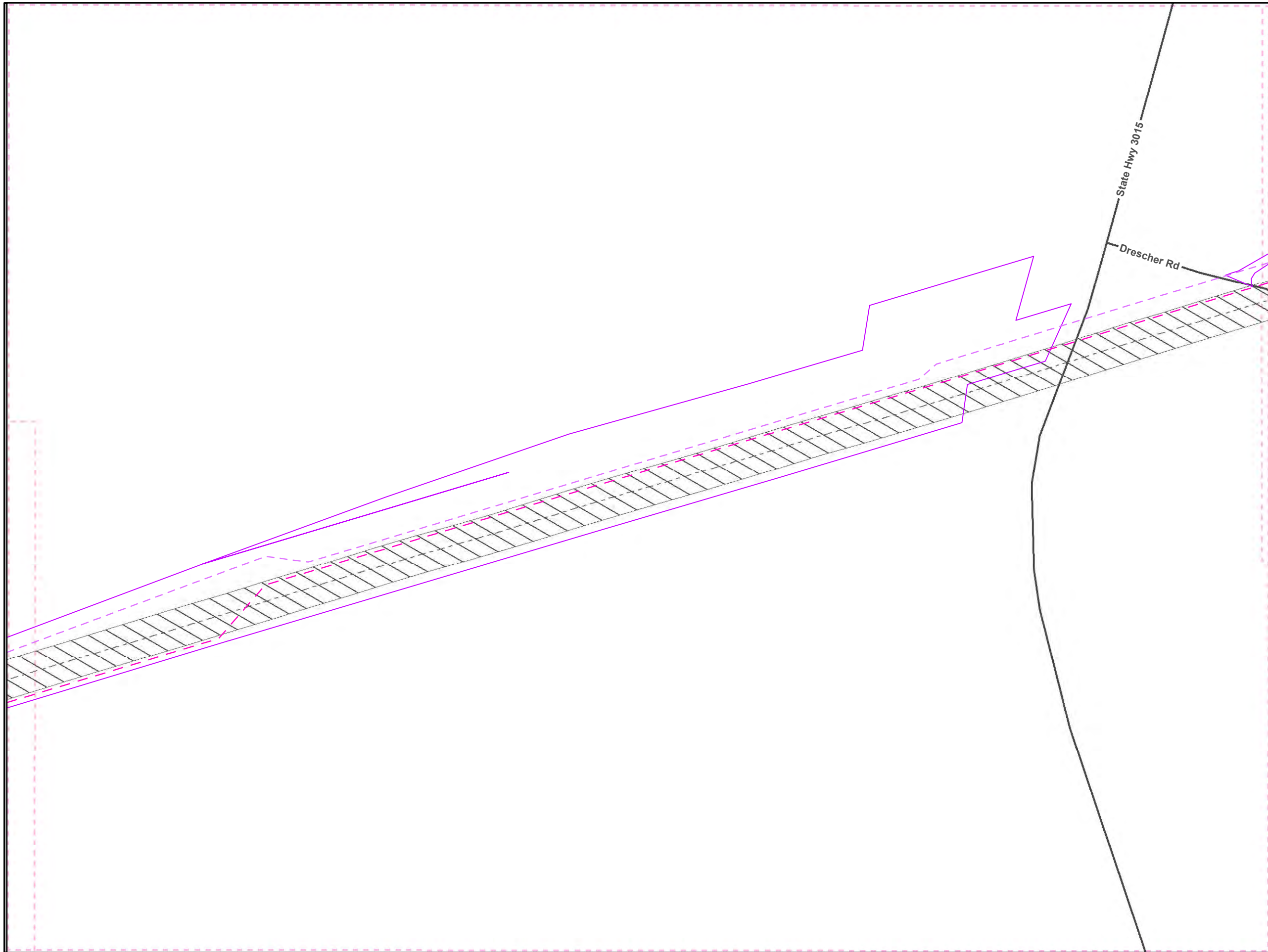


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
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4 of 79**

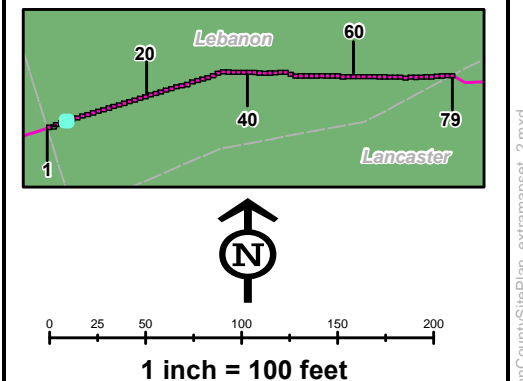
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| Prepared By: TETRA TECH | Date: 11/2016 |
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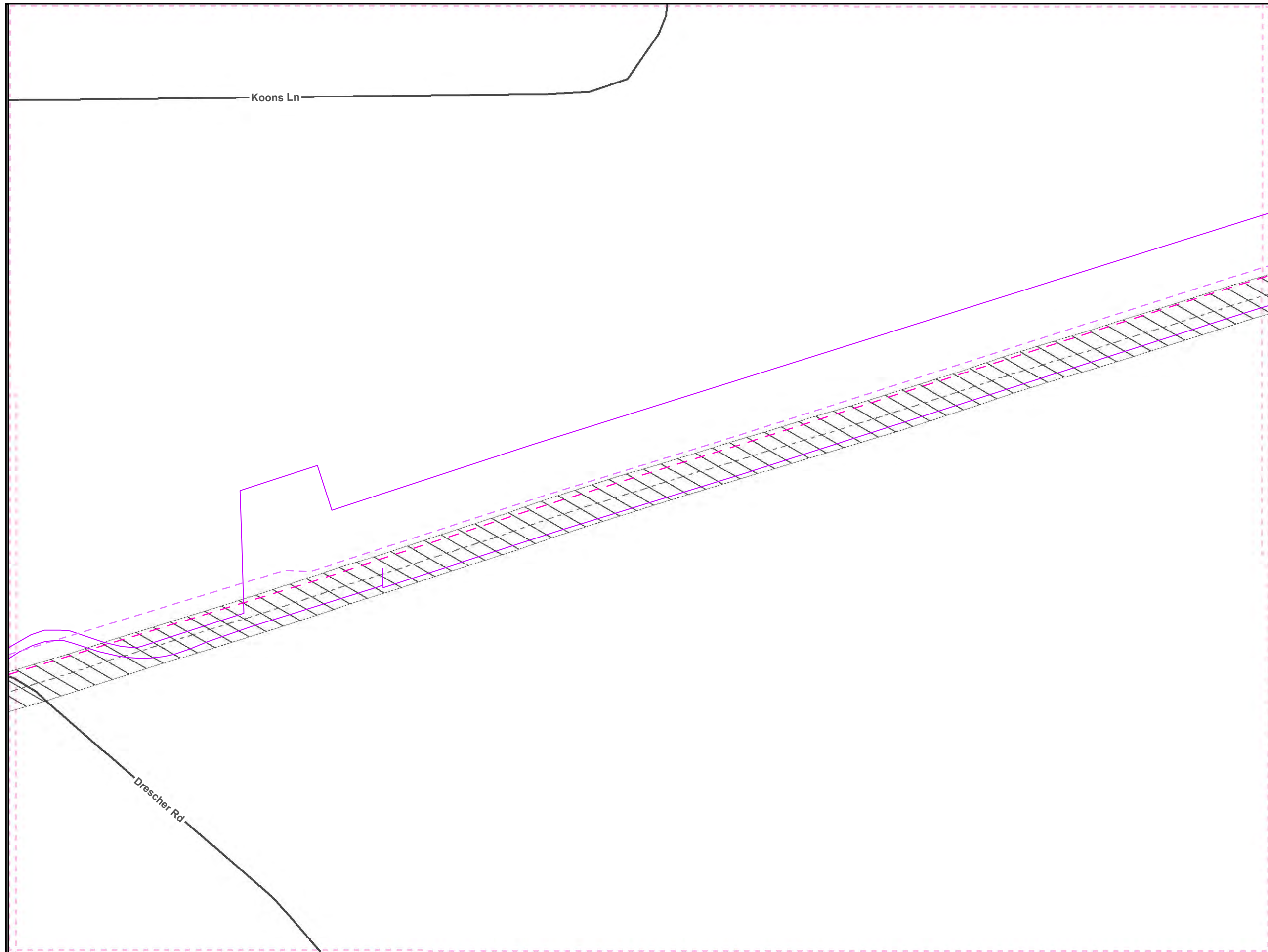


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
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5 of 79**

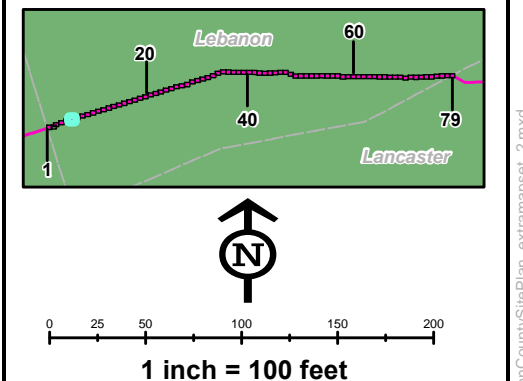
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| Prepared By: | Date: 11/2016 |
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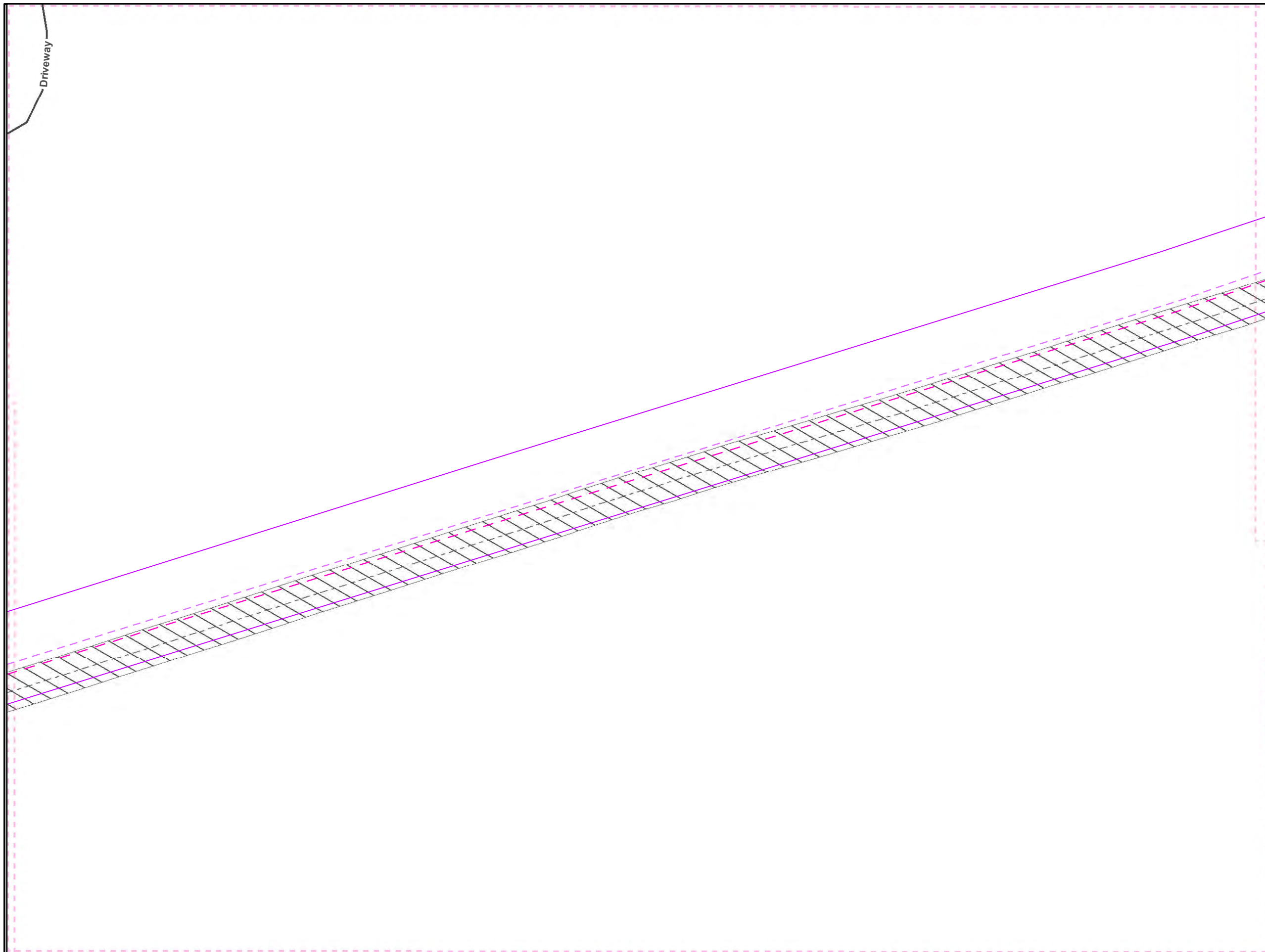


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
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6 of 79**

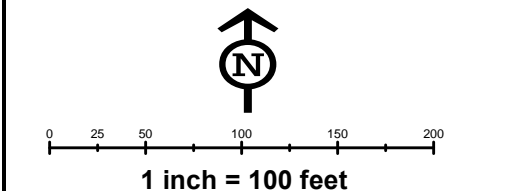
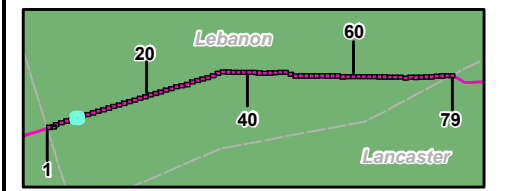
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|-----------------------------------|-------------------------|
| Prepared By: TETRA TECH | Date: 11/2016 |
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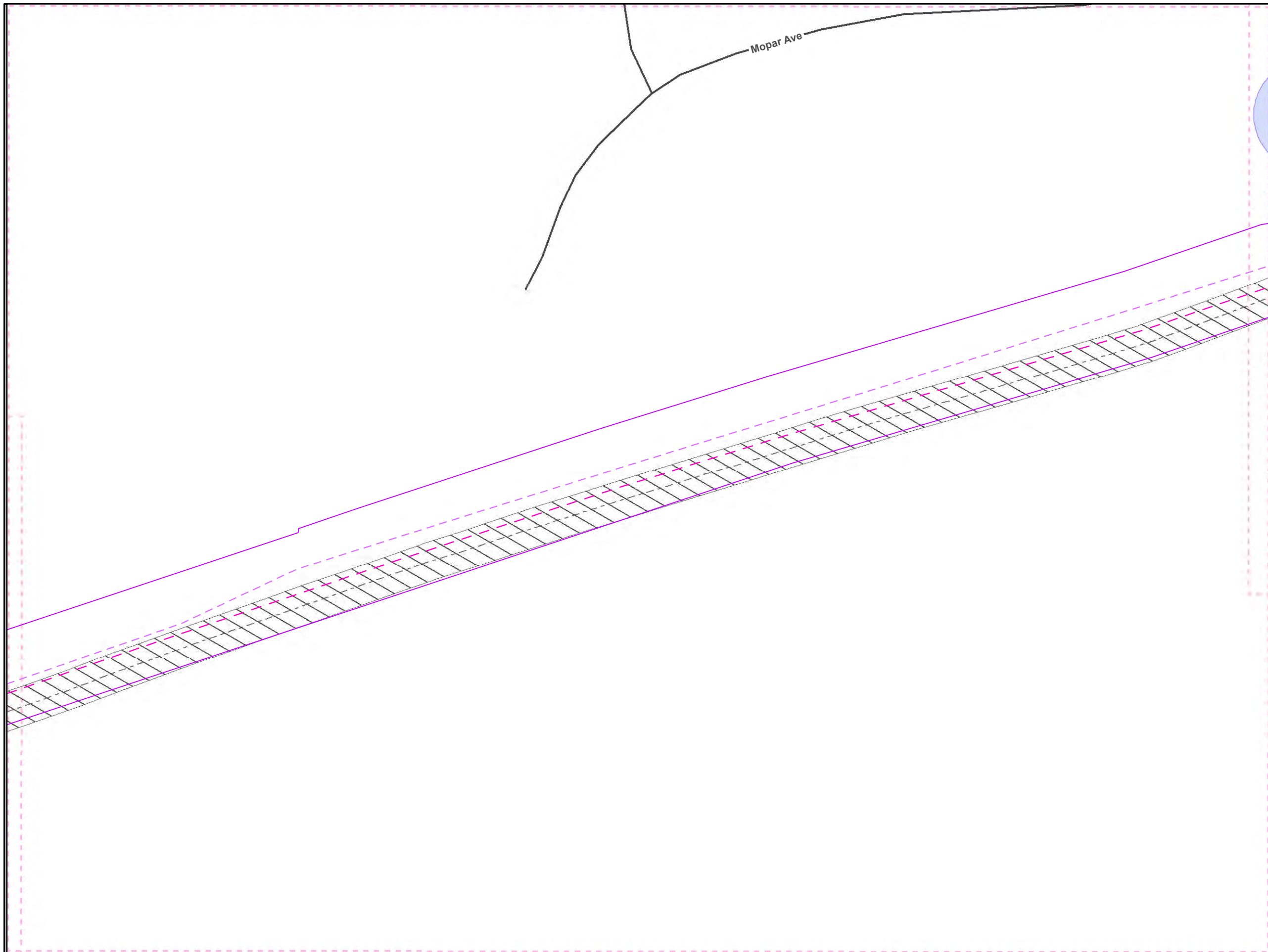


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
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7 of 79**

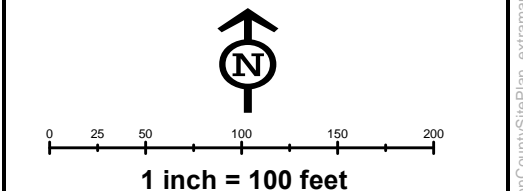
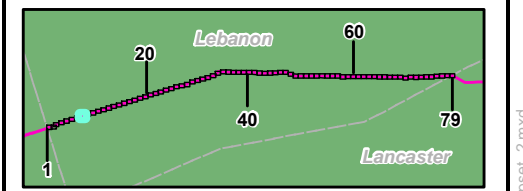
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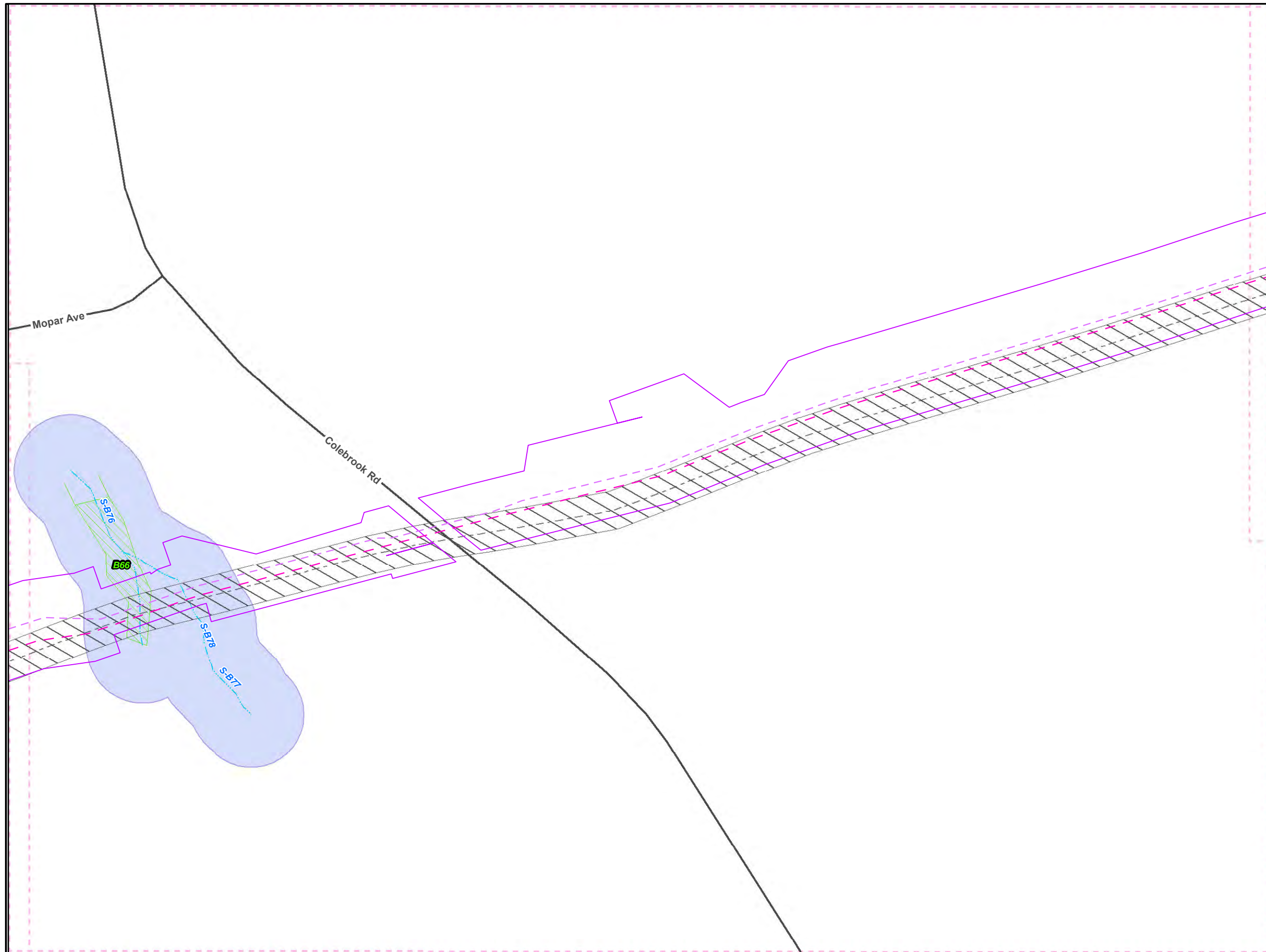


**ME1 8" and 12" Overlap with the
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8 of 79**

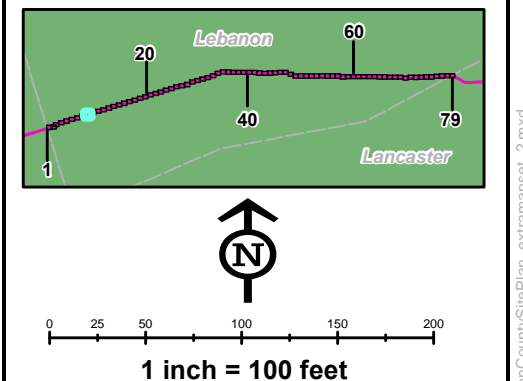
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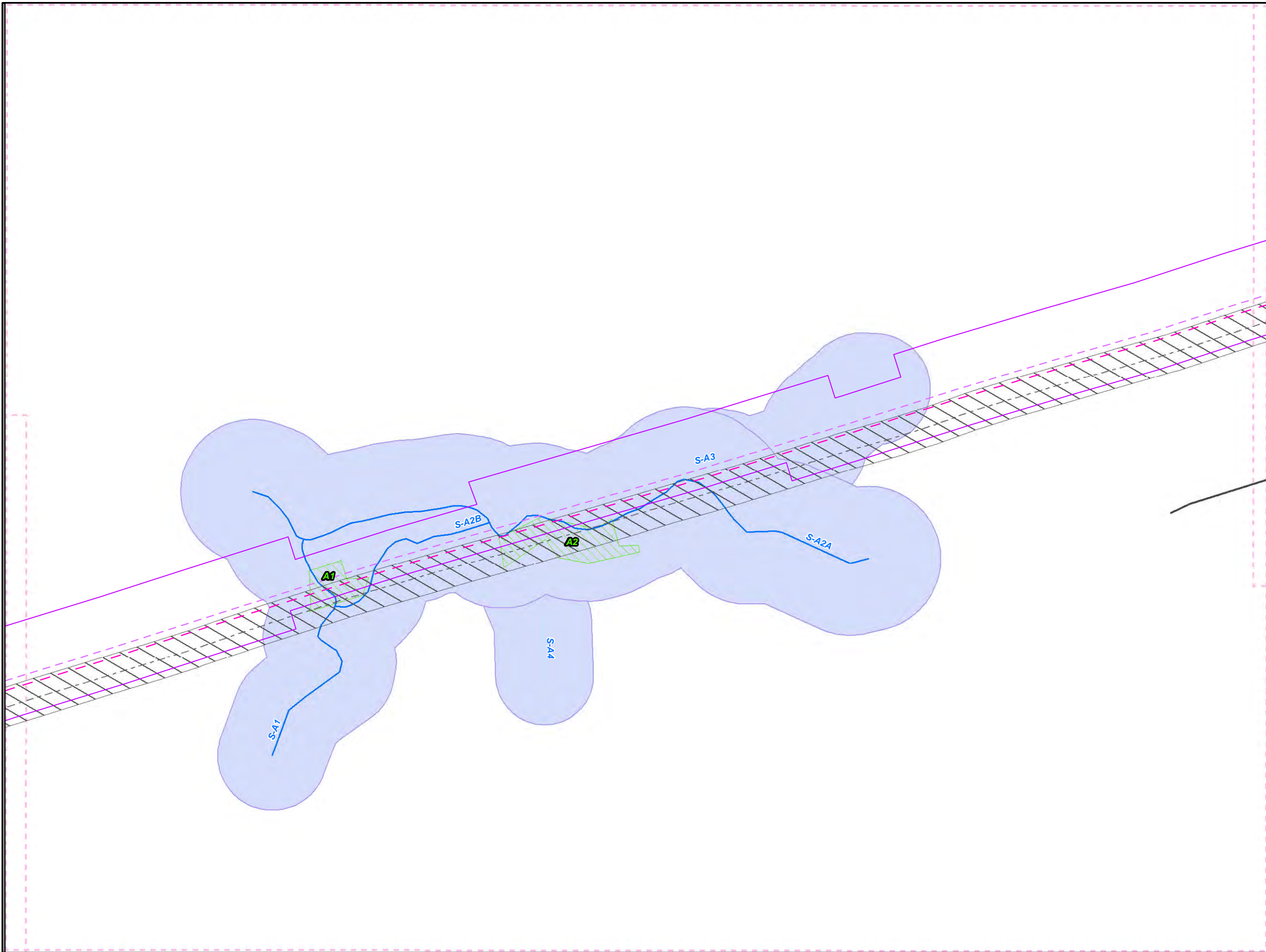


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
9 of 79**

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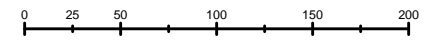
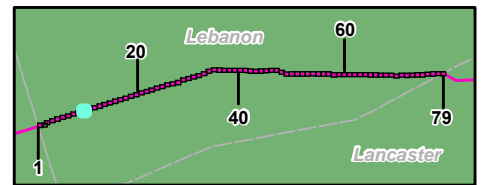
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Legend

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1 inch = 100 feet

**ME1 8" and 12" Overlap with the
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10 of 79**

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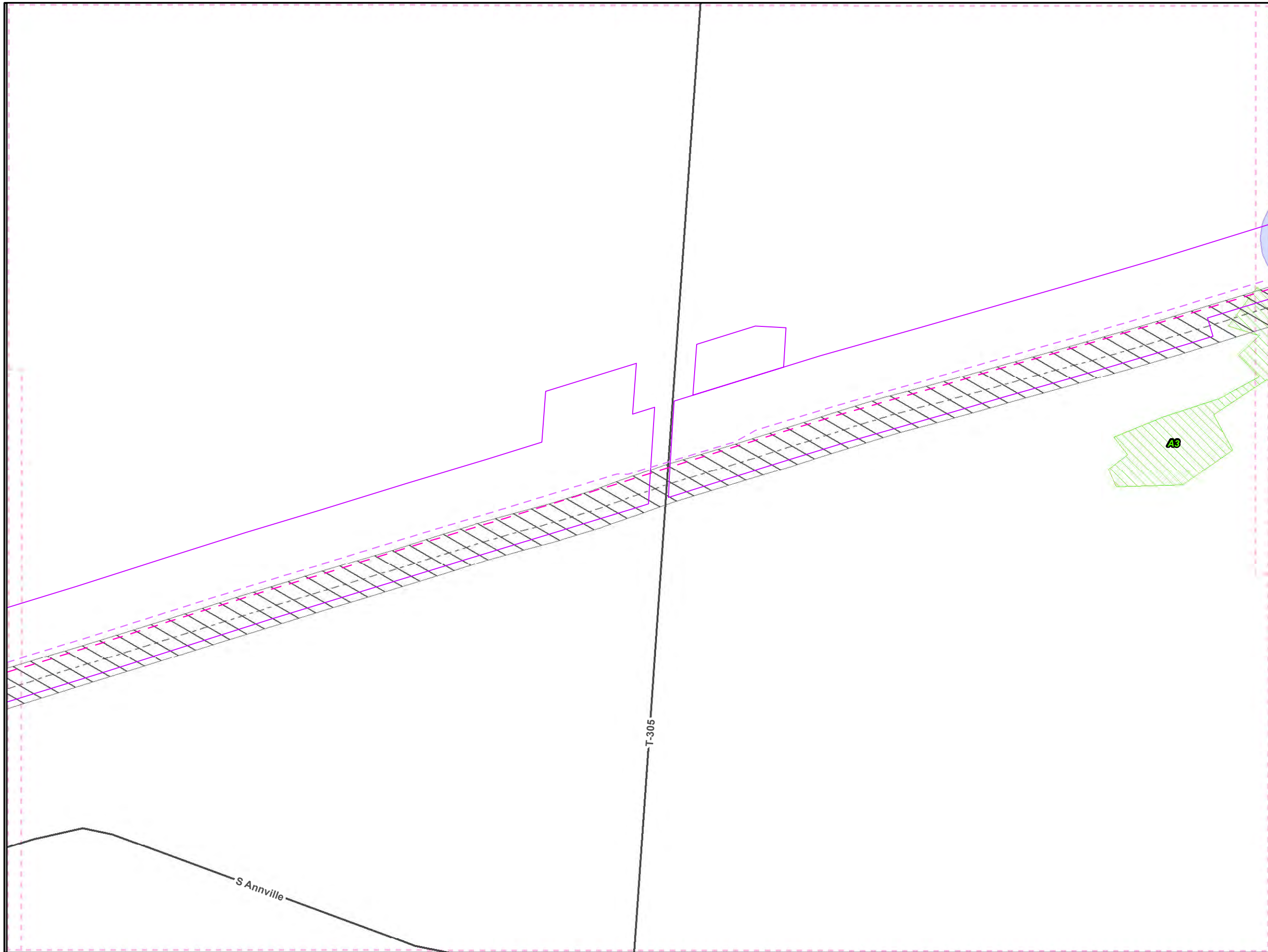


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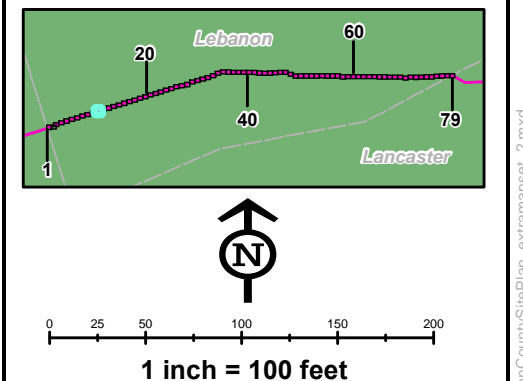
11/2016

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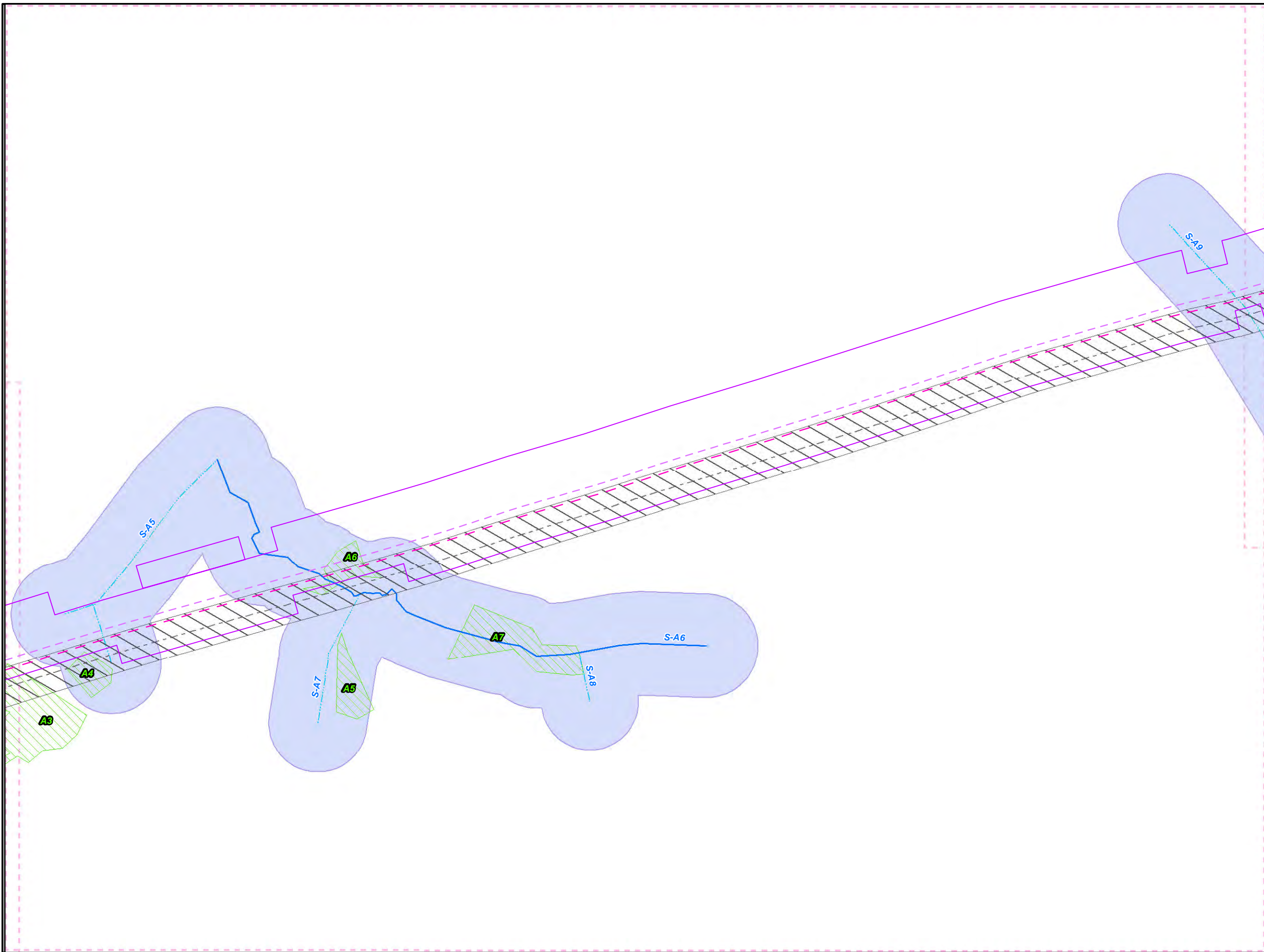


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline
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11 of 79**

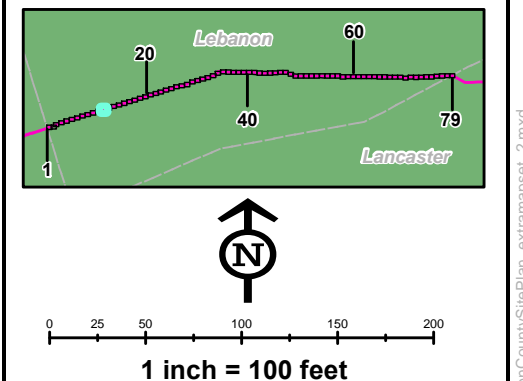
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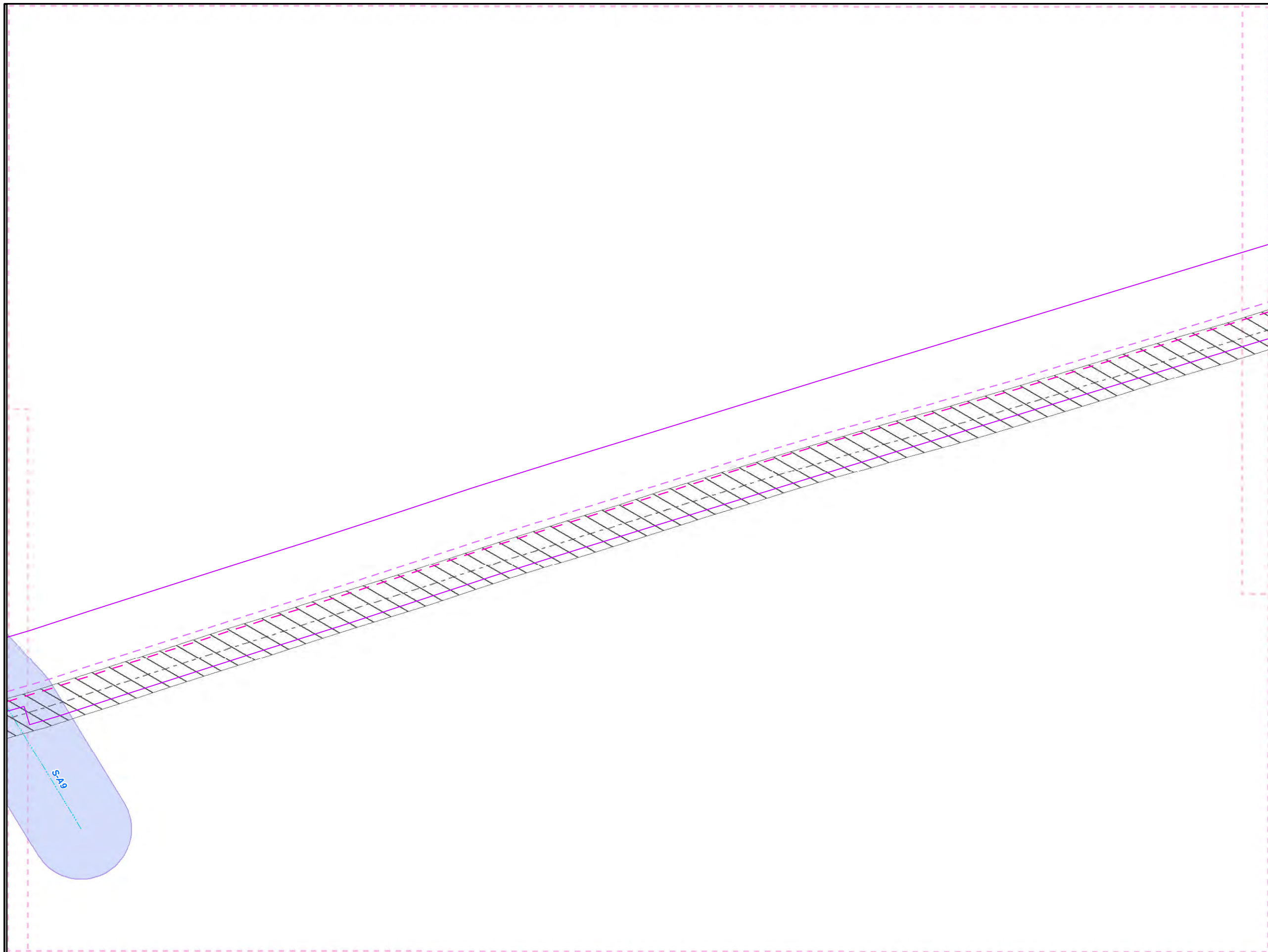


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
 12 of 79

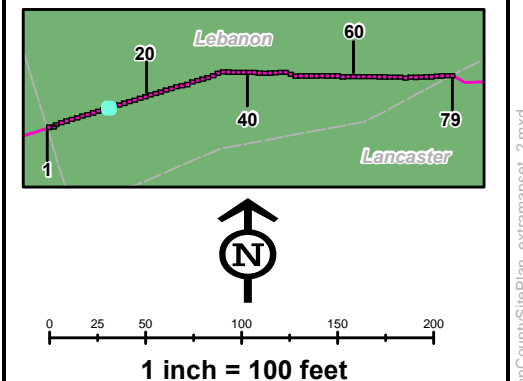
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| TETRA TECH | 11/2016 |

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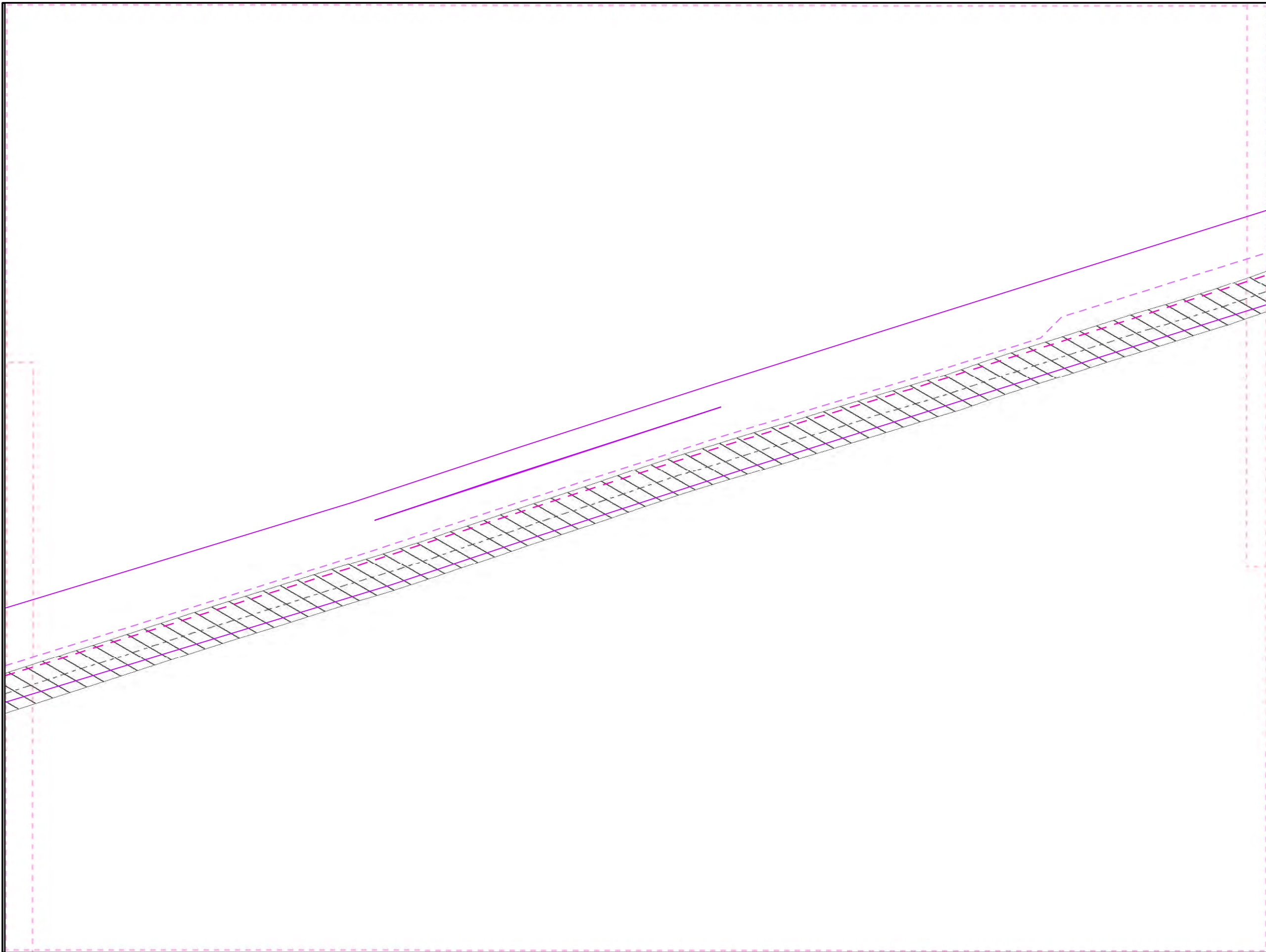


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline
Lebanon County, PA.
13 of 79**

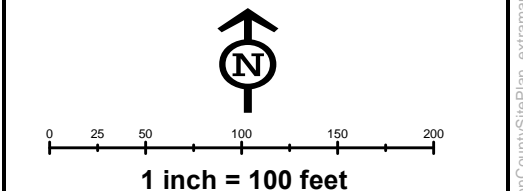
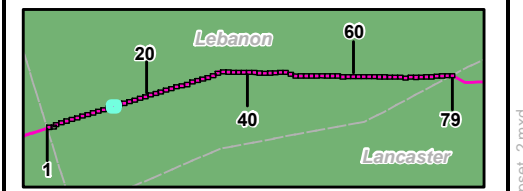
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Lebanon County, PA.
14 of 79**

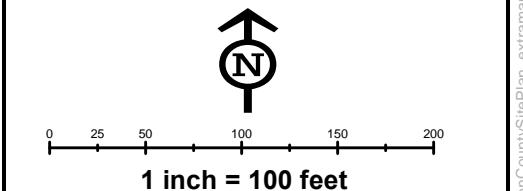
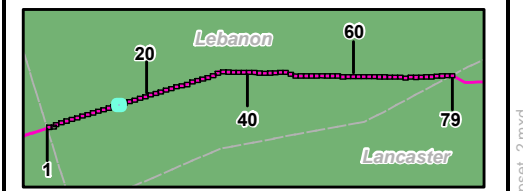
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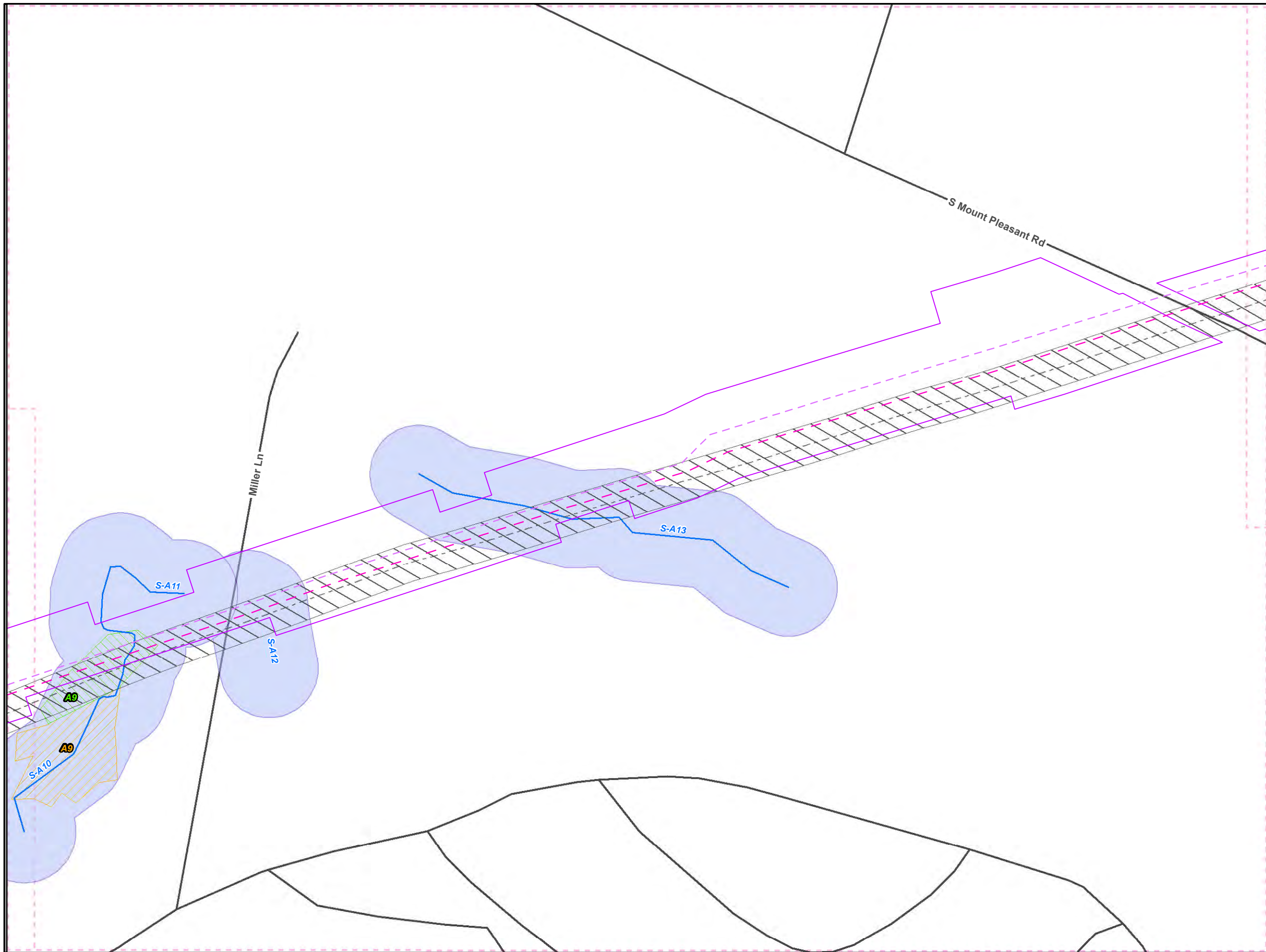


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
 15 of 79

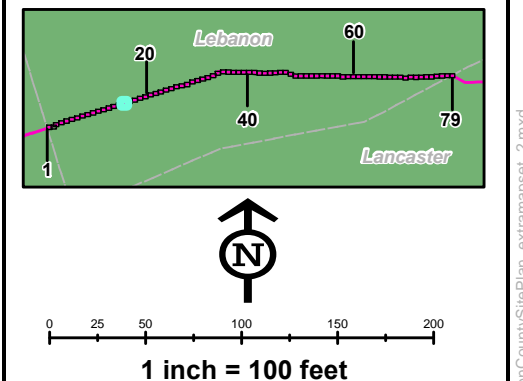
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- Legend**
- PPP 1
 - PPP 2
 - PPP LOD
 - 8" Centerline
 - ▨ 8" Pipeline Maintenance Corridor
 - Stations
 - ~ Ephemeral Stream
 - ~ Intermittent Stream
 - ~ Perennial Stream
 - ▨ Pond
 - ▨ PEM Wetland
 - ▨ PFO Wetland
 - ▨ PSS Wetland
 - ▨ Ch. 105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

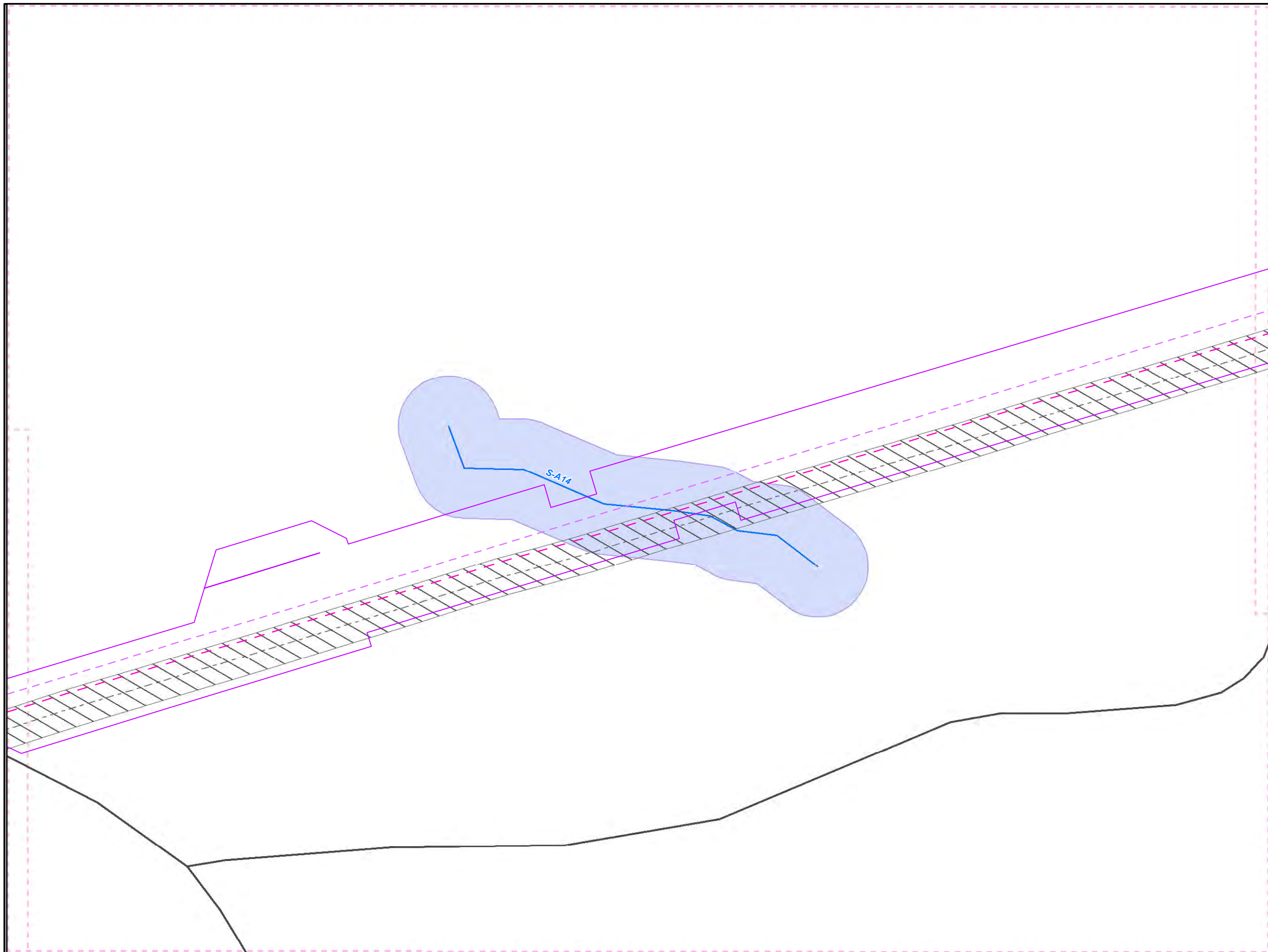


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
 16 of 79

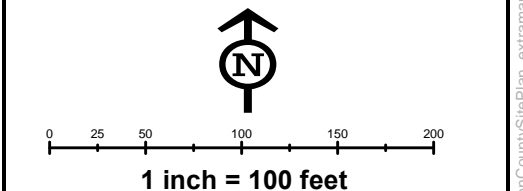
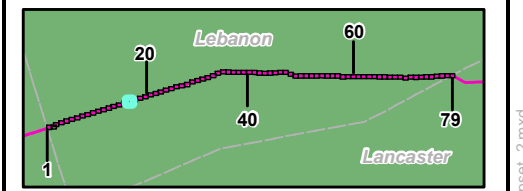
Prepared By: TETRA TECH Date: 11/2016

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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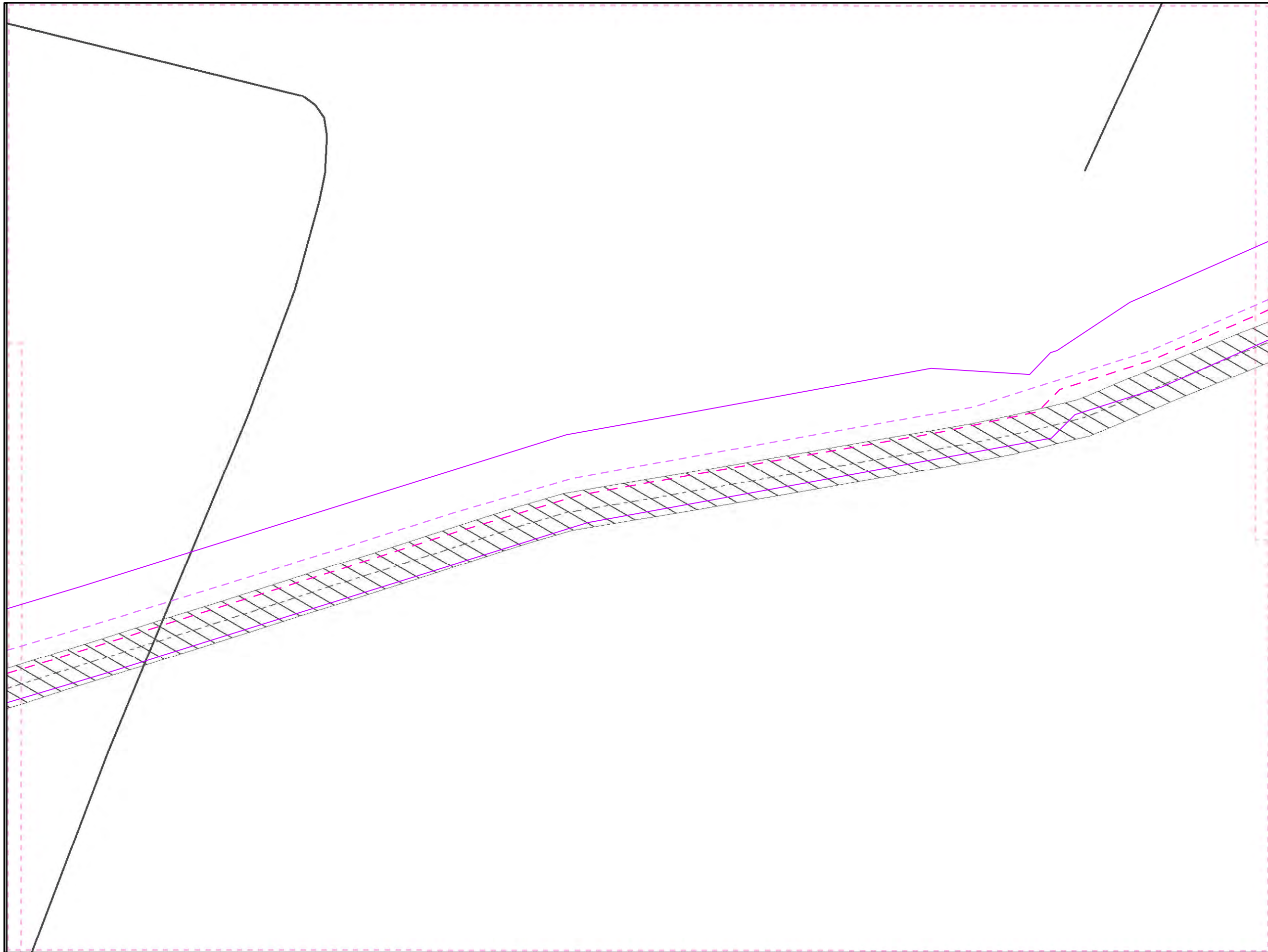


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
17 of 79**

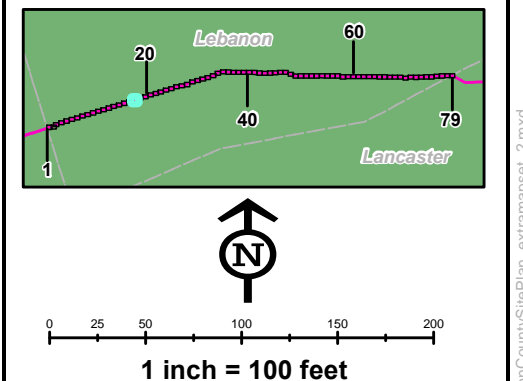
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| Prepared By: | Date: 11/2016 |
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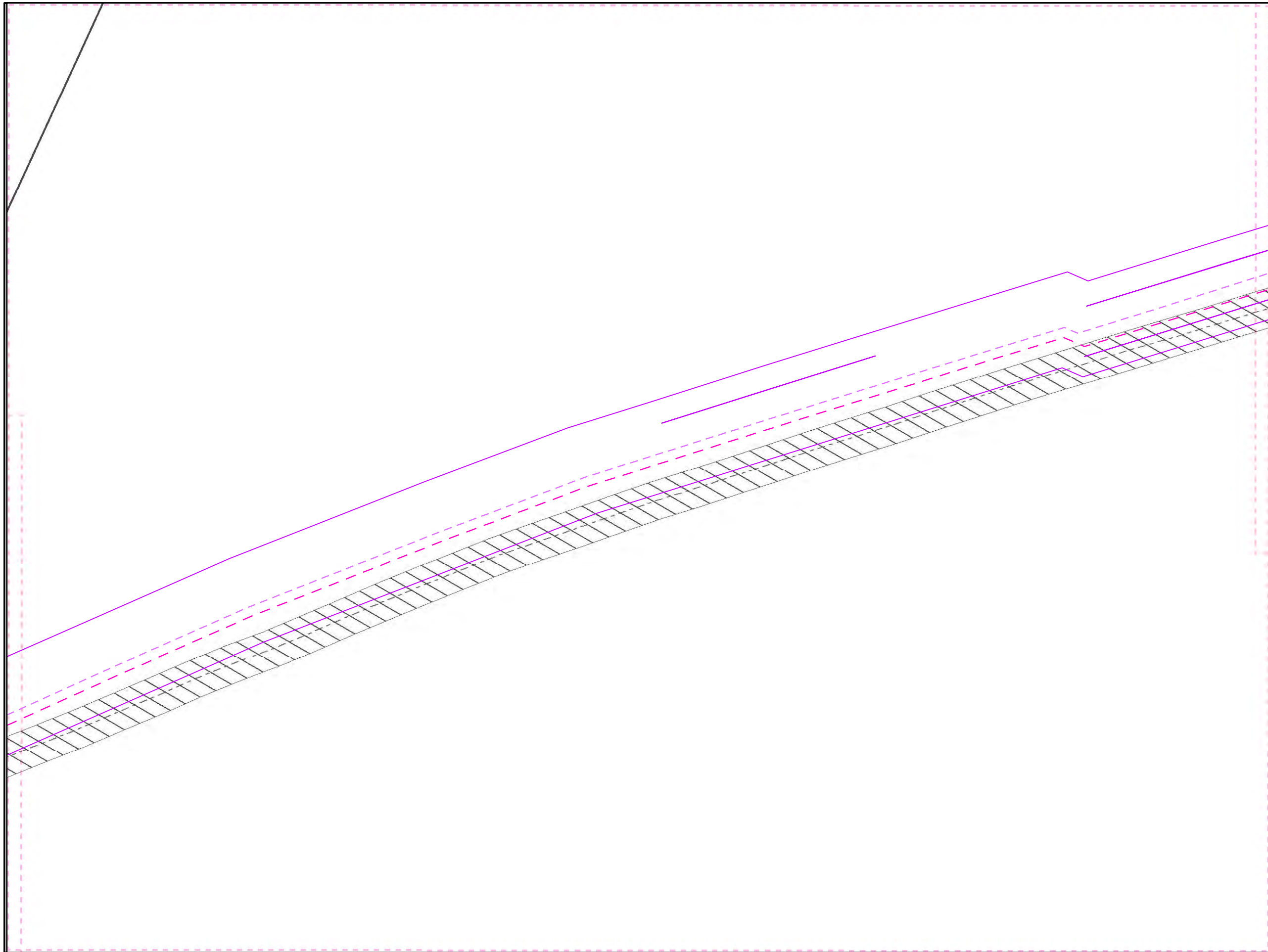


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
18 of 79**

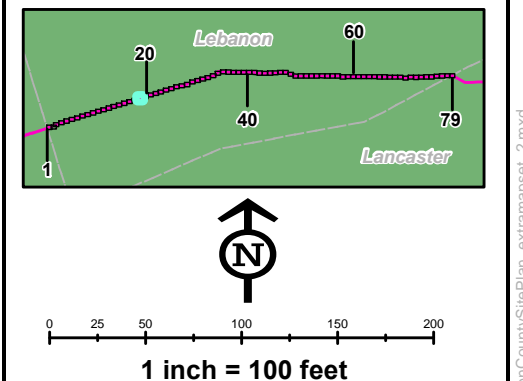
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| Prepared By:  | Date: 11/2016 |
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 - ▨ Waived Ch. 105 Floodways
 - ▨ Ch. 106 Floodplain Fringe
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 - Sheet Boundary

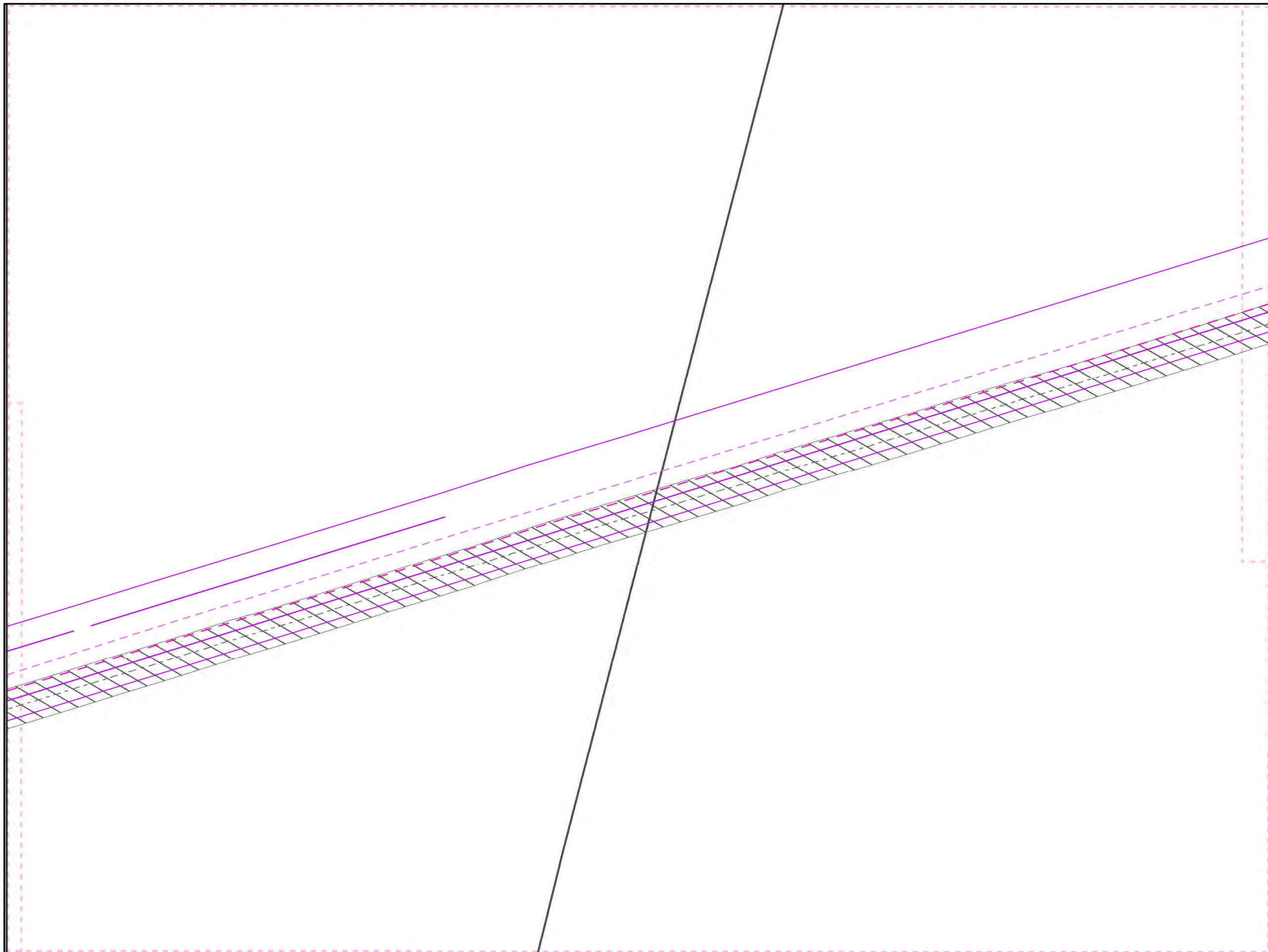


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
 19 of 79

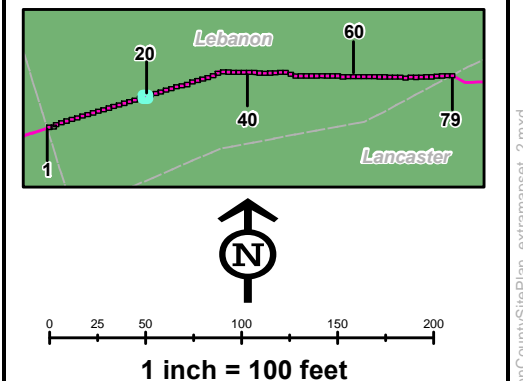
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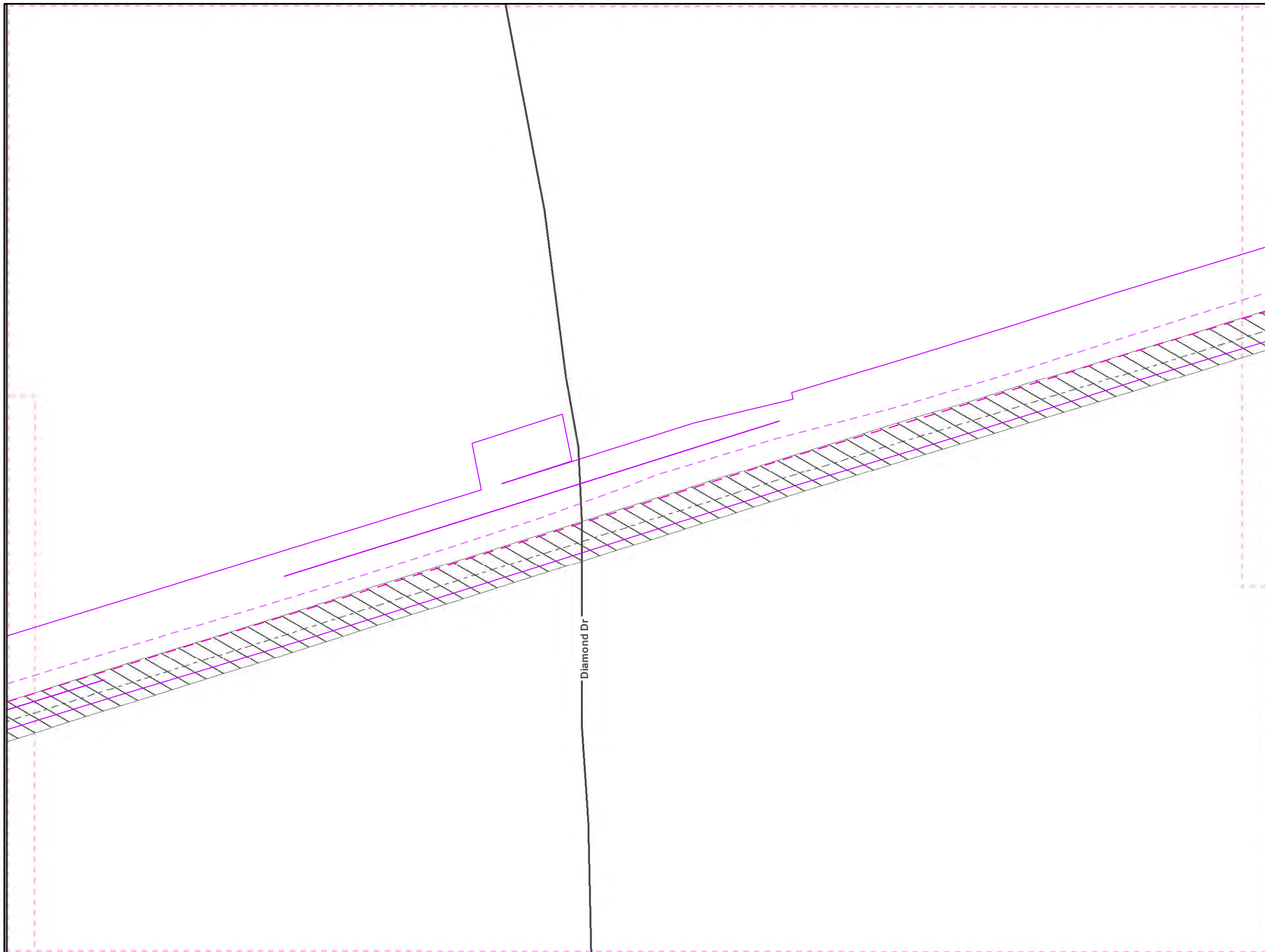


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline
Lebanon County, PA.
20 of 79**

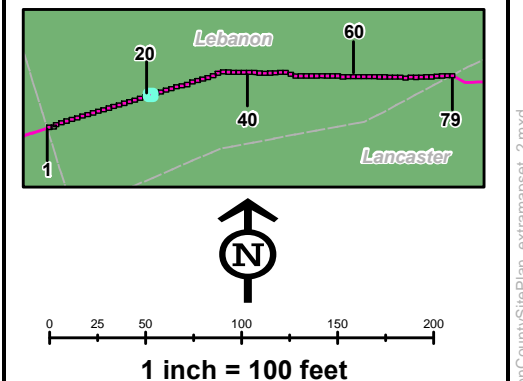
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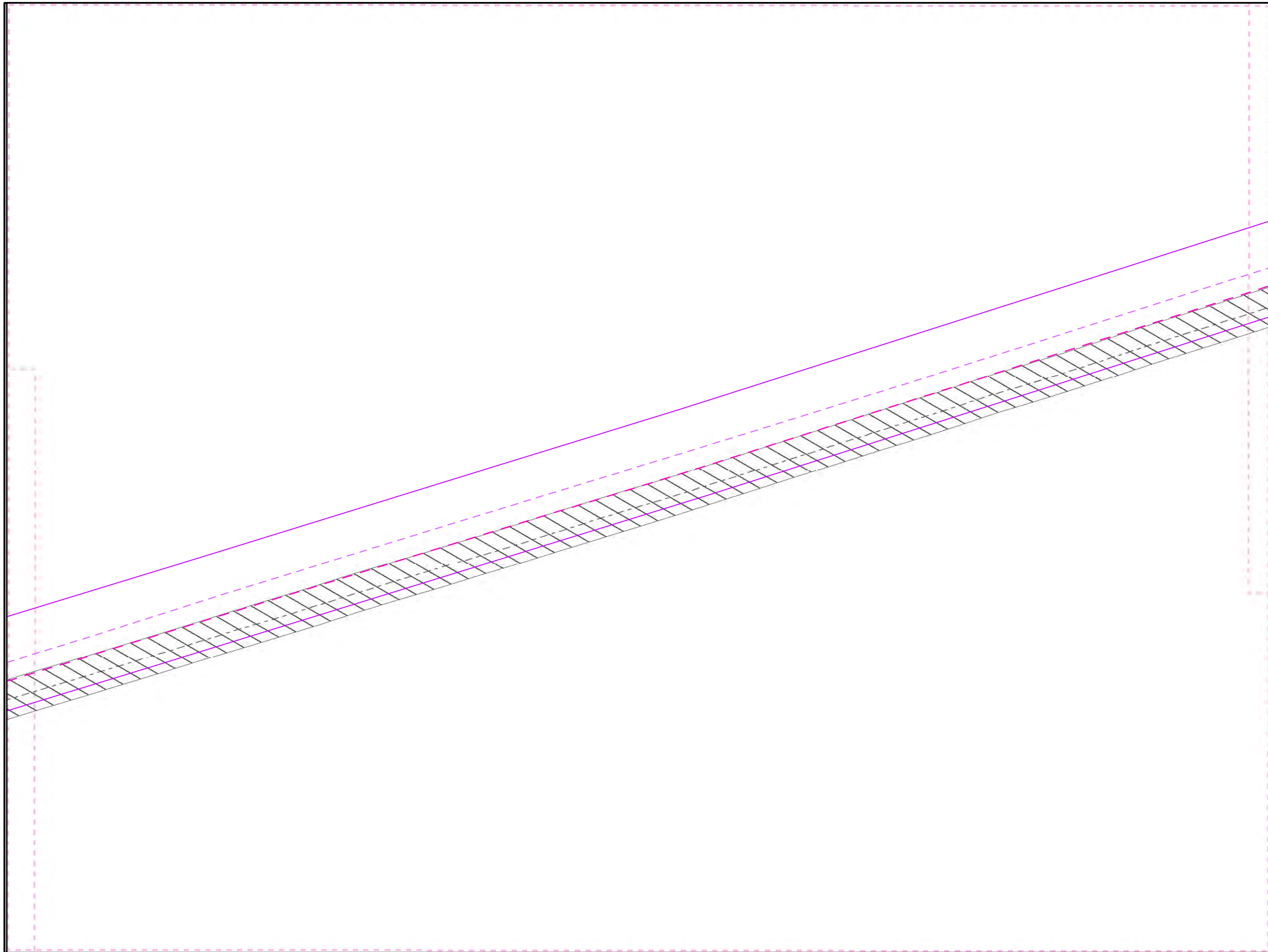


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
21 of 79**

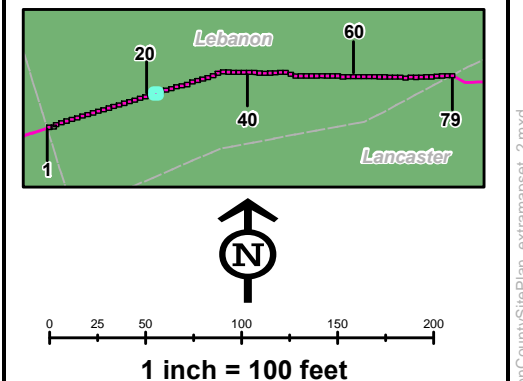
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| Prepared By: | Date: 11/2016 |
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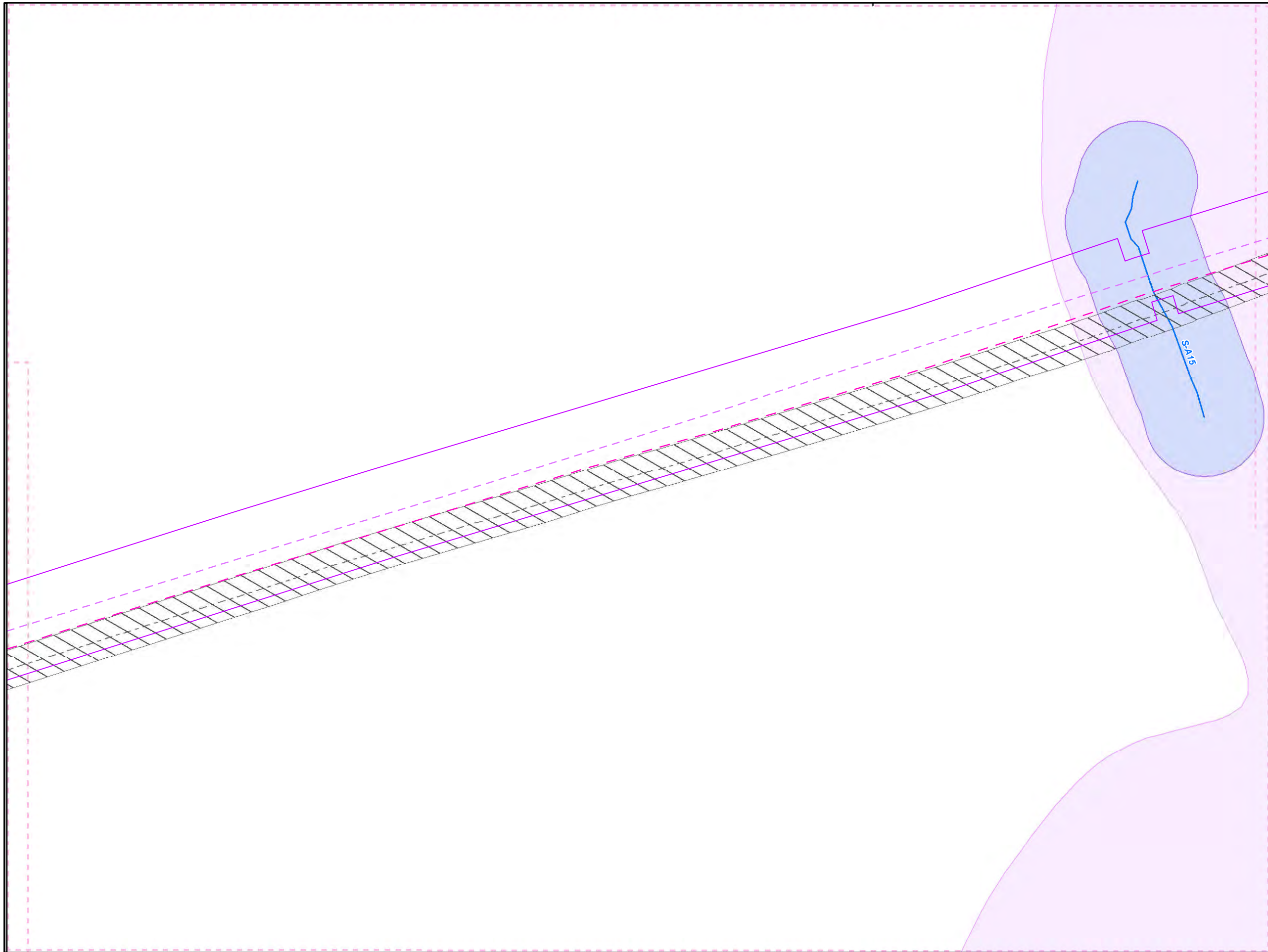


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
22 of 79**

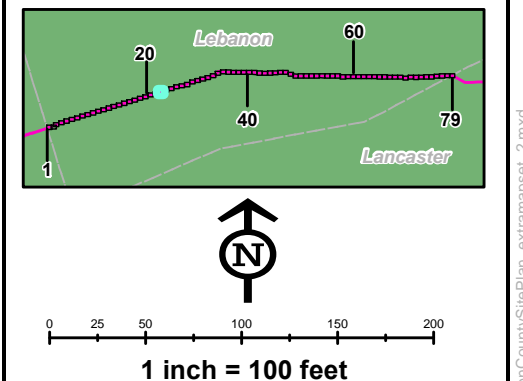
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 - Sheet Boundary

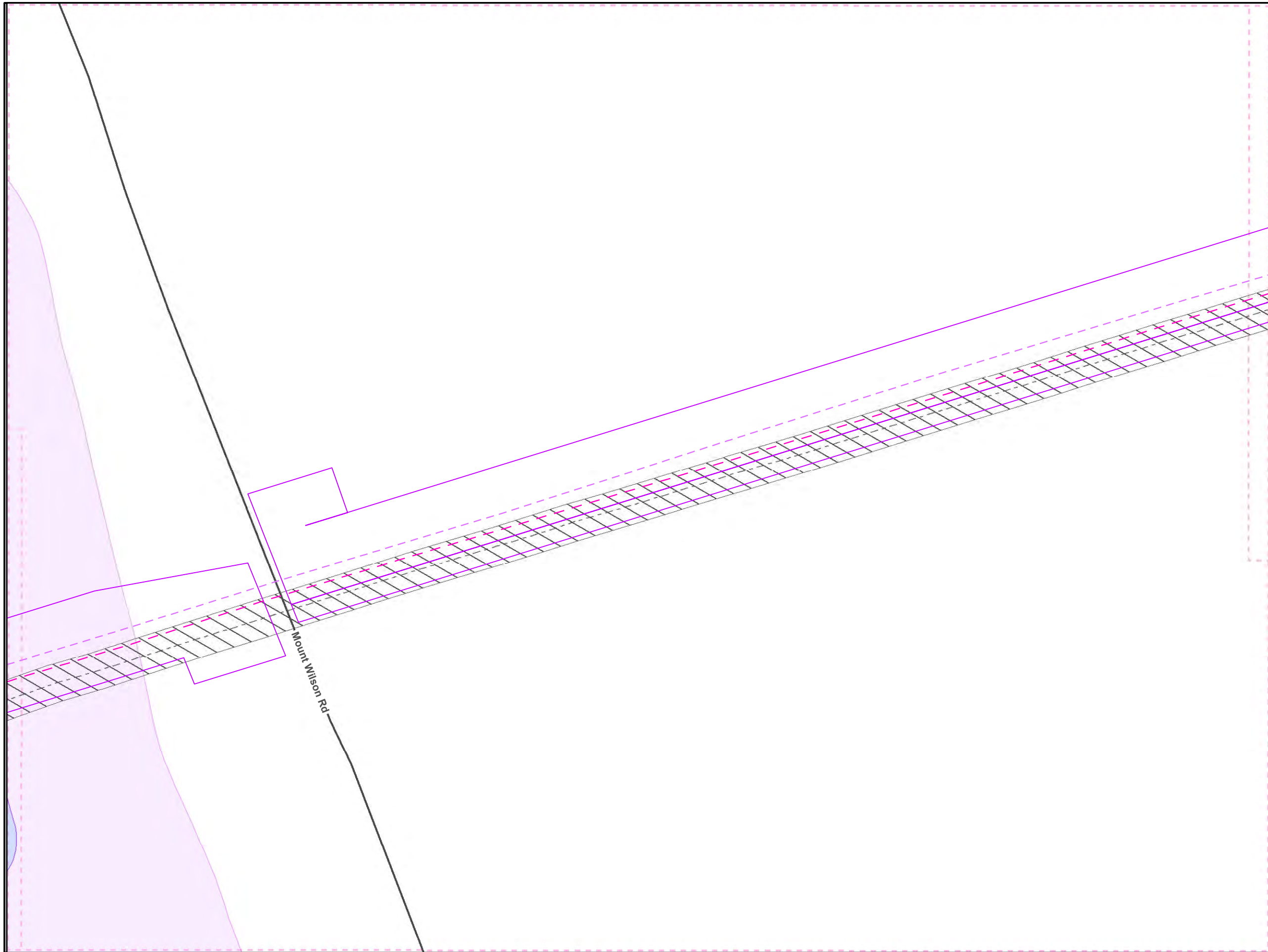


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
23 of 79**

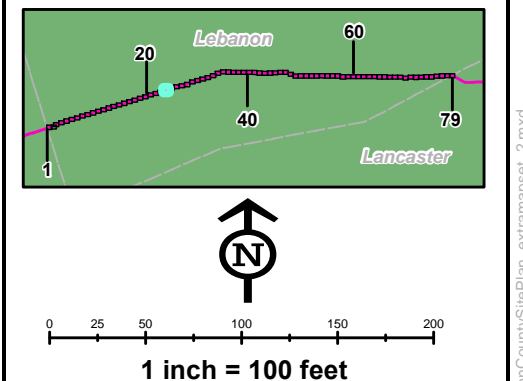
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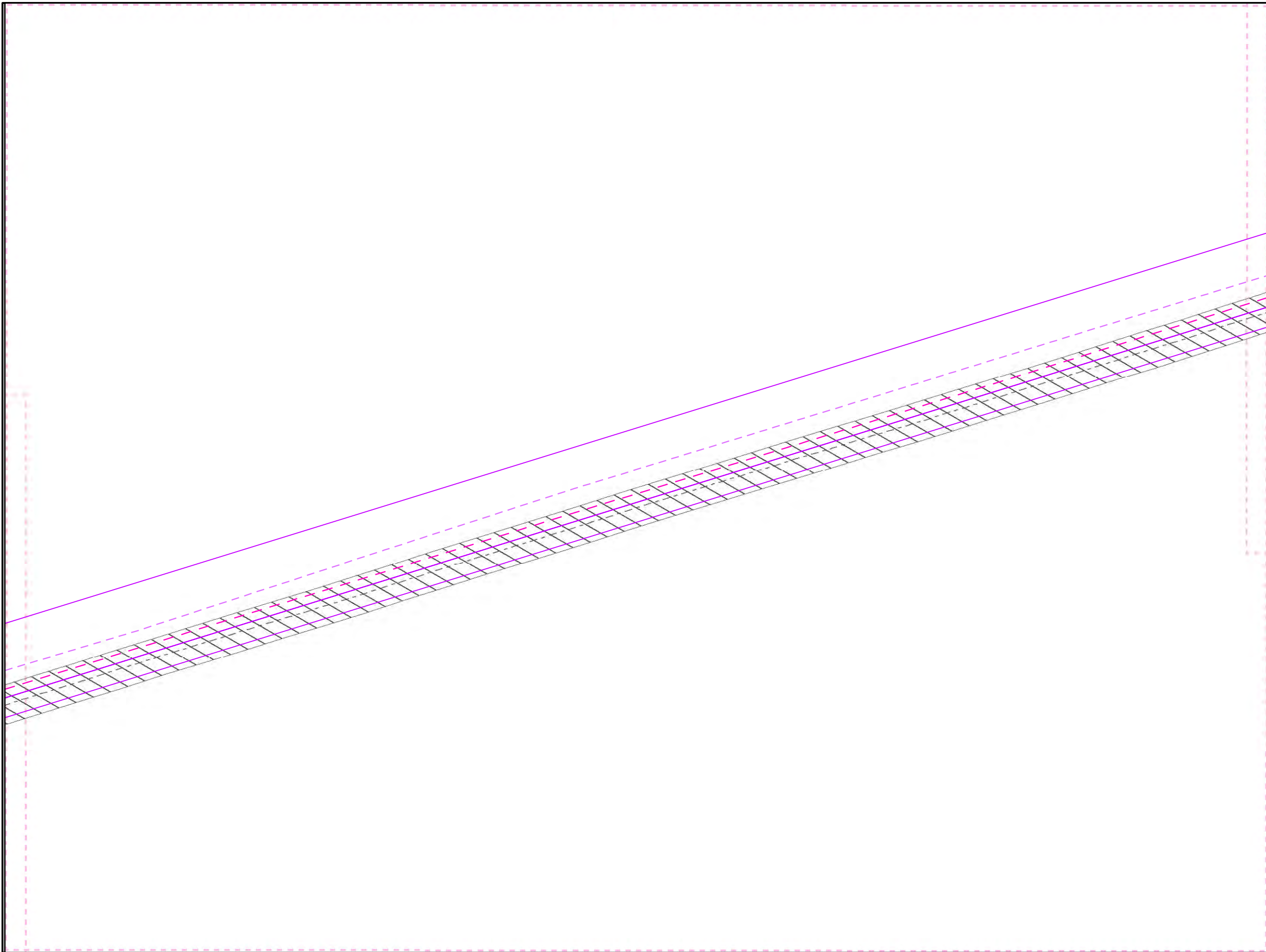


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
24 of 79**

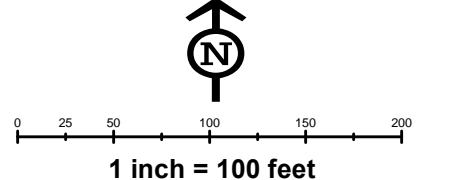
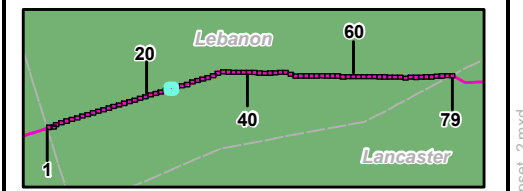
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- Legend**
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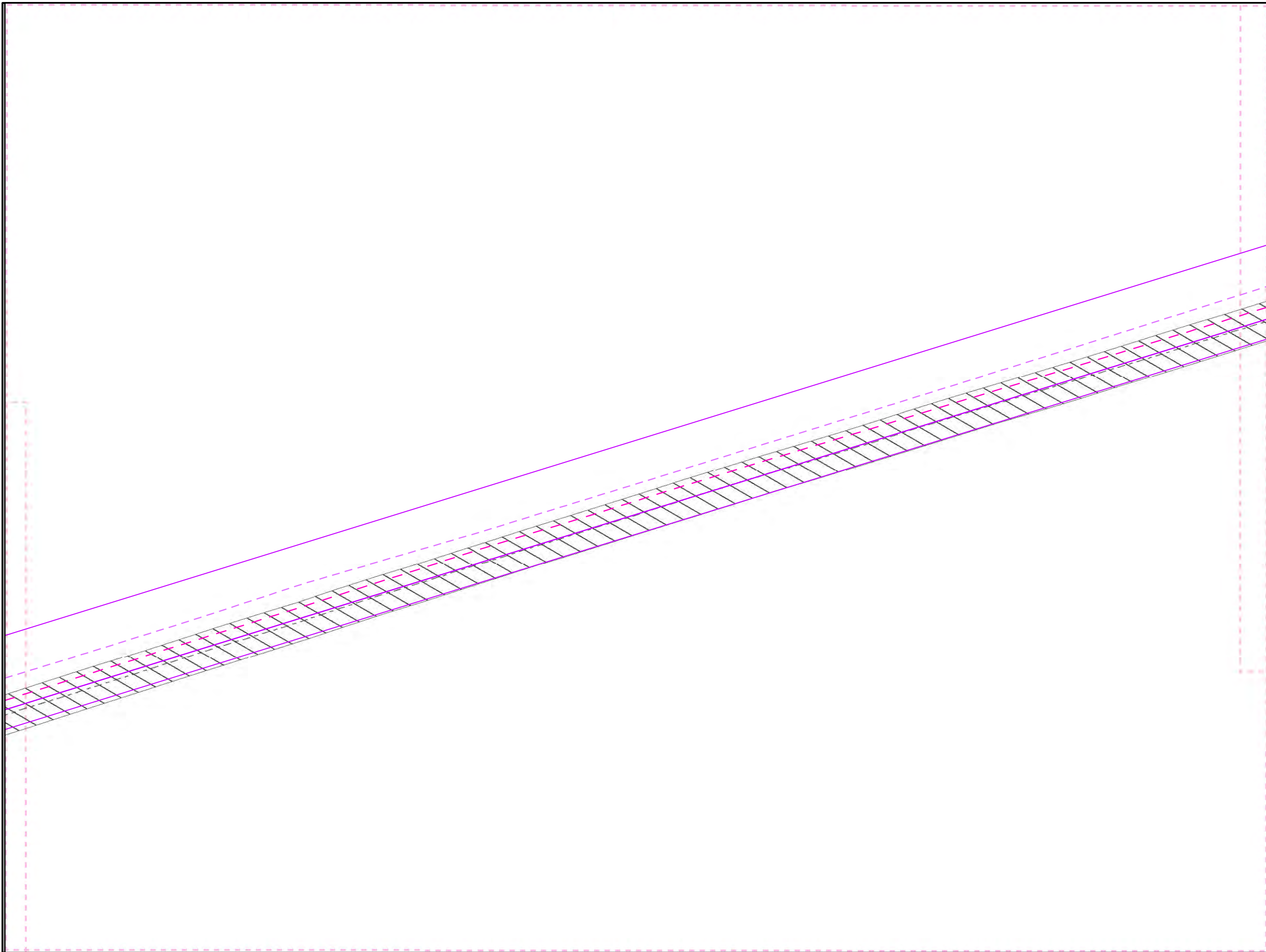


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
25 of 79**

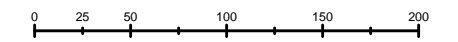
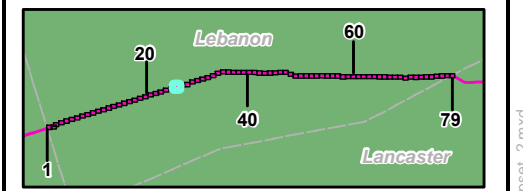
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| Prepared By: | Date: 11/2016 |
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- Legend**
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 - ⋮ Sheet Boundary



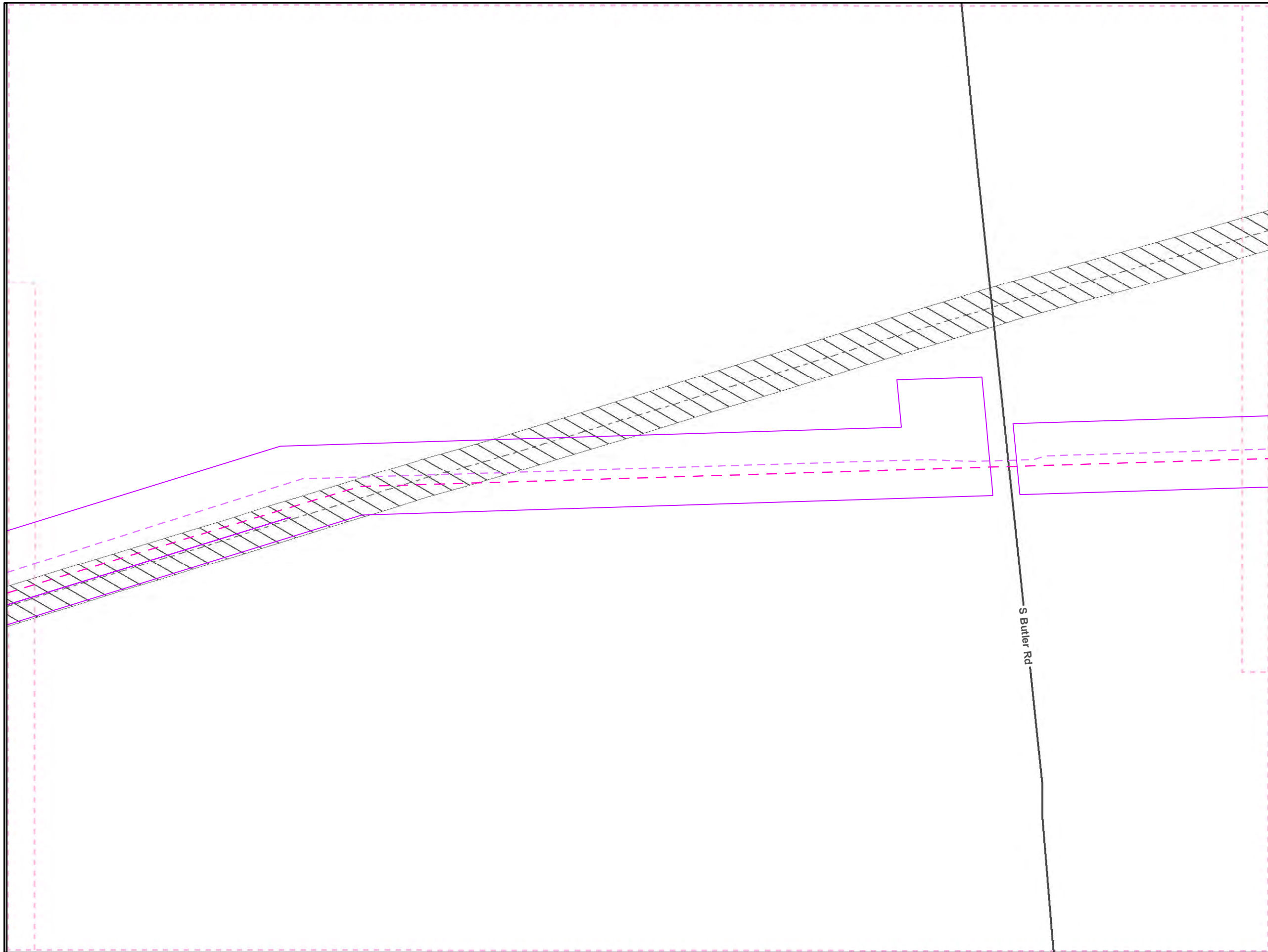
1 inch = 100 feet

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

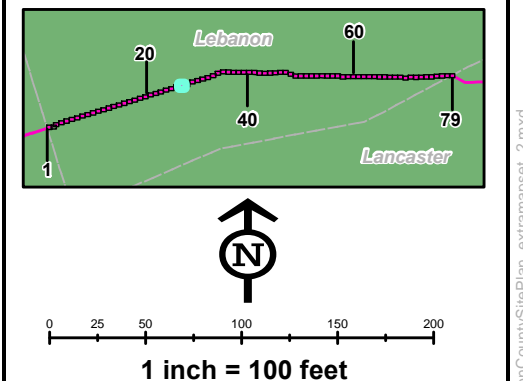
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- Legend**
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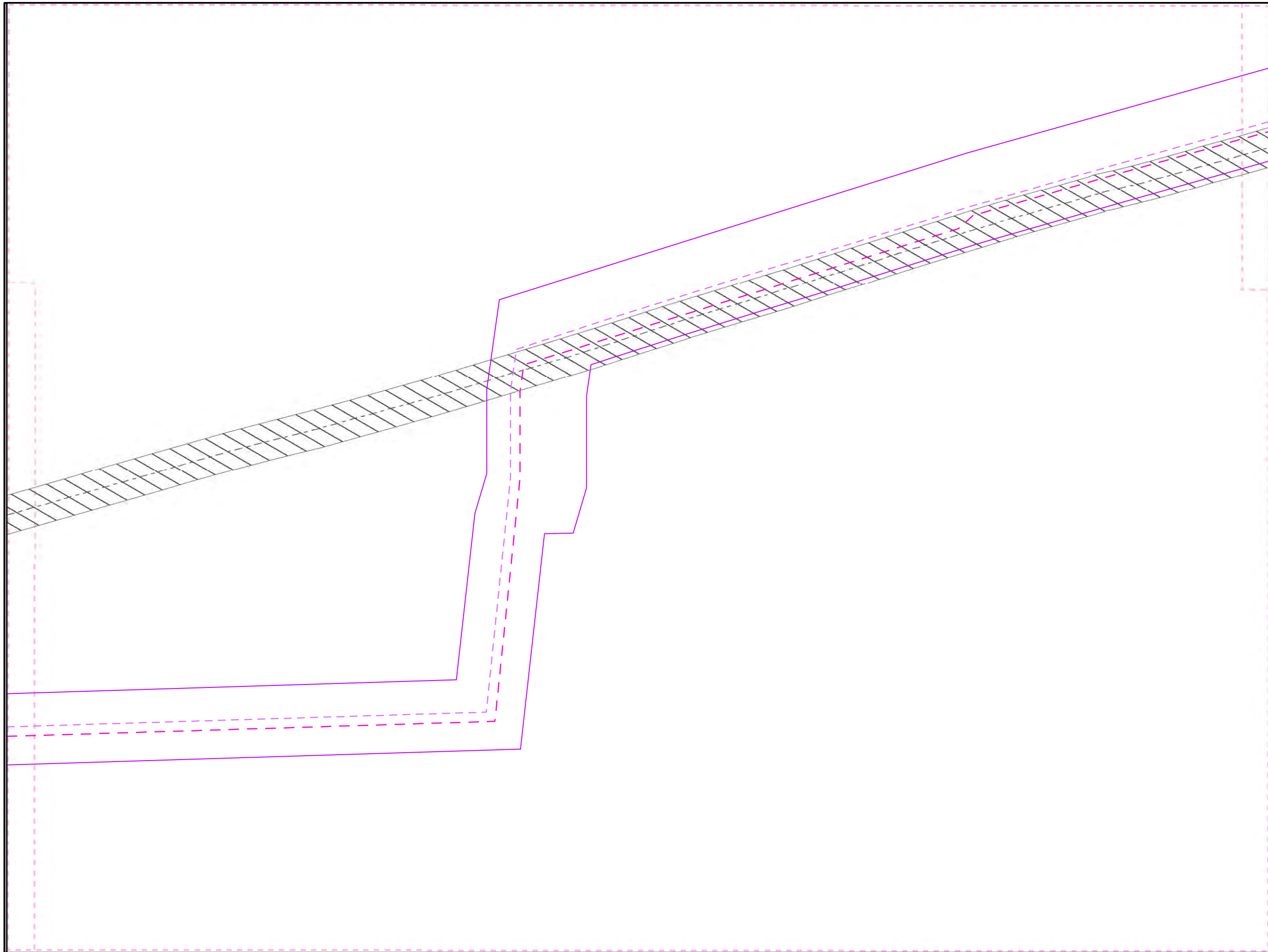


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
27 of 79**

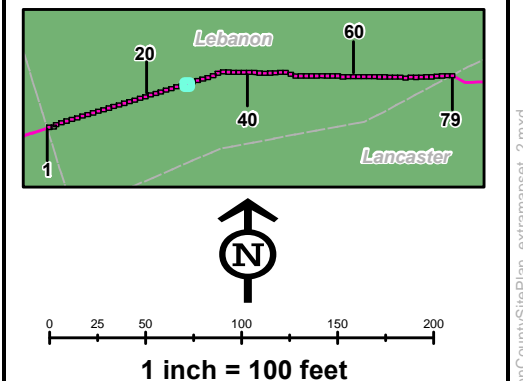
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- Legend**
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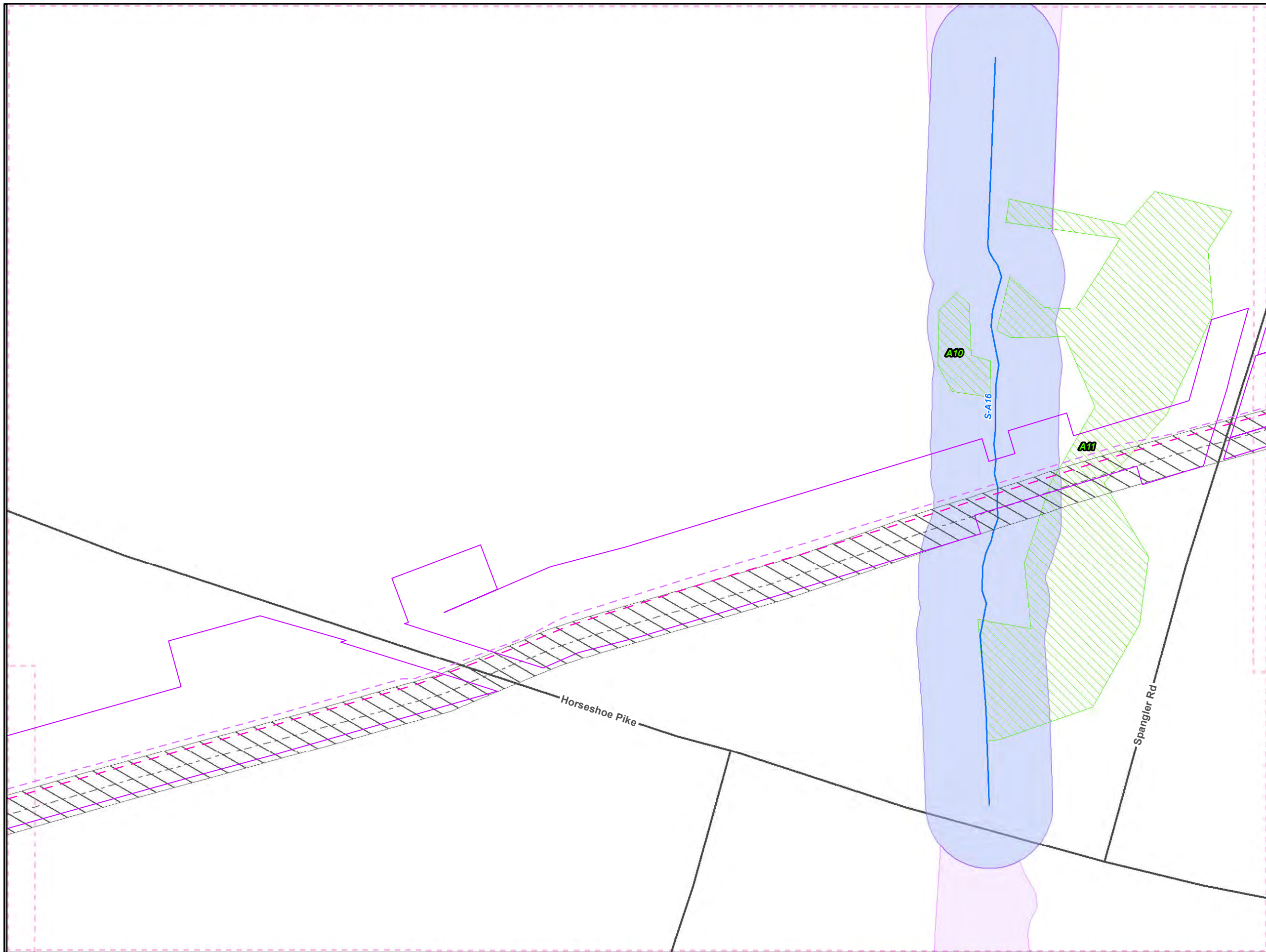


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
 28 of 79

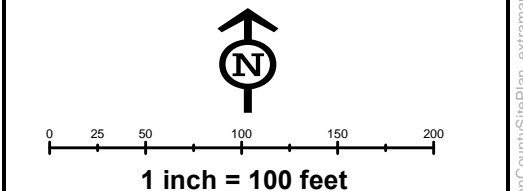
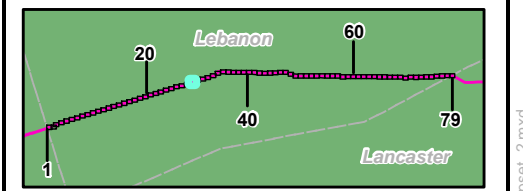
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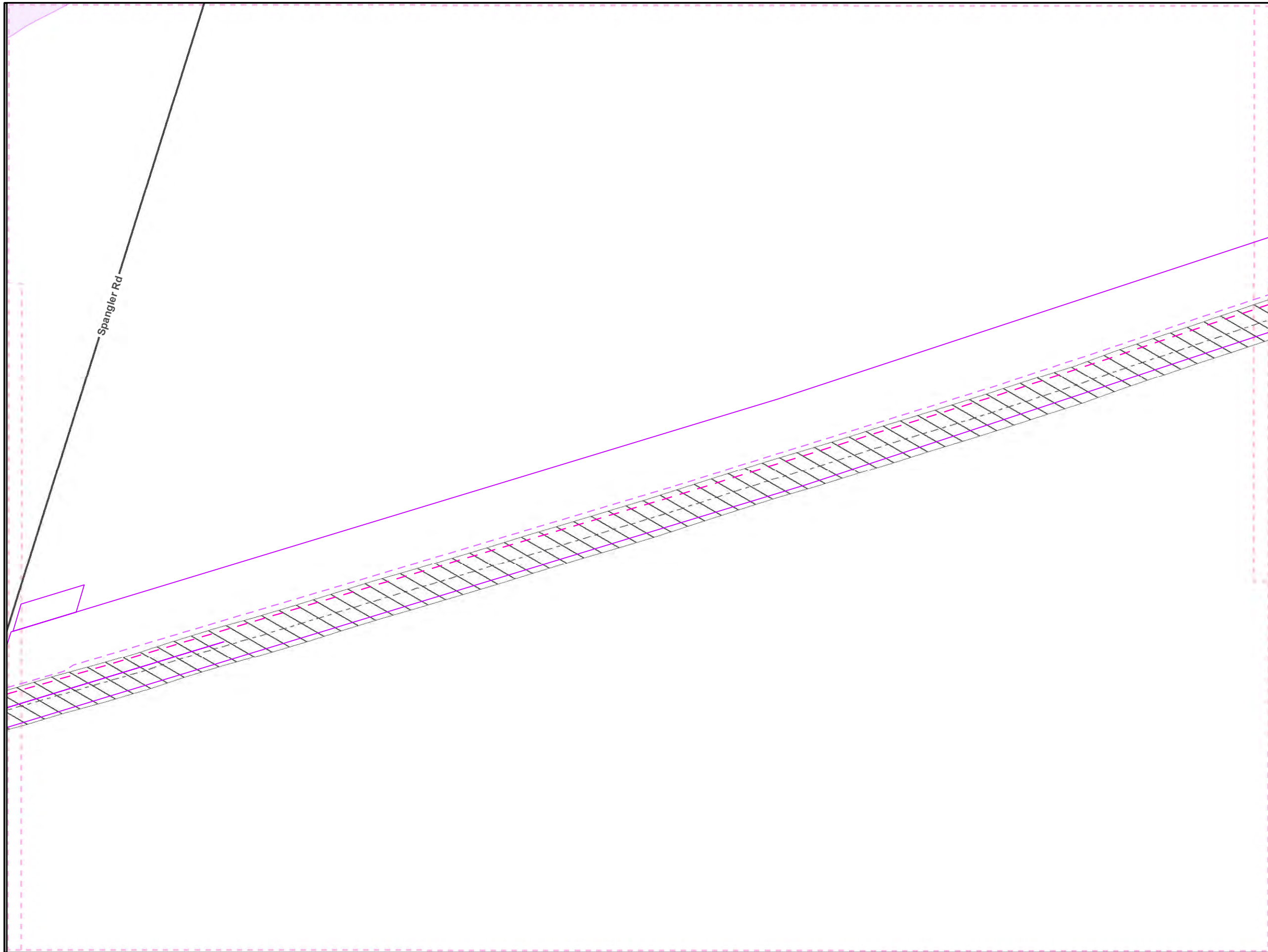


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
29 of 79**

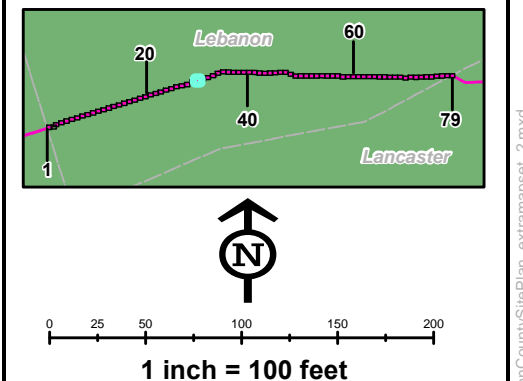
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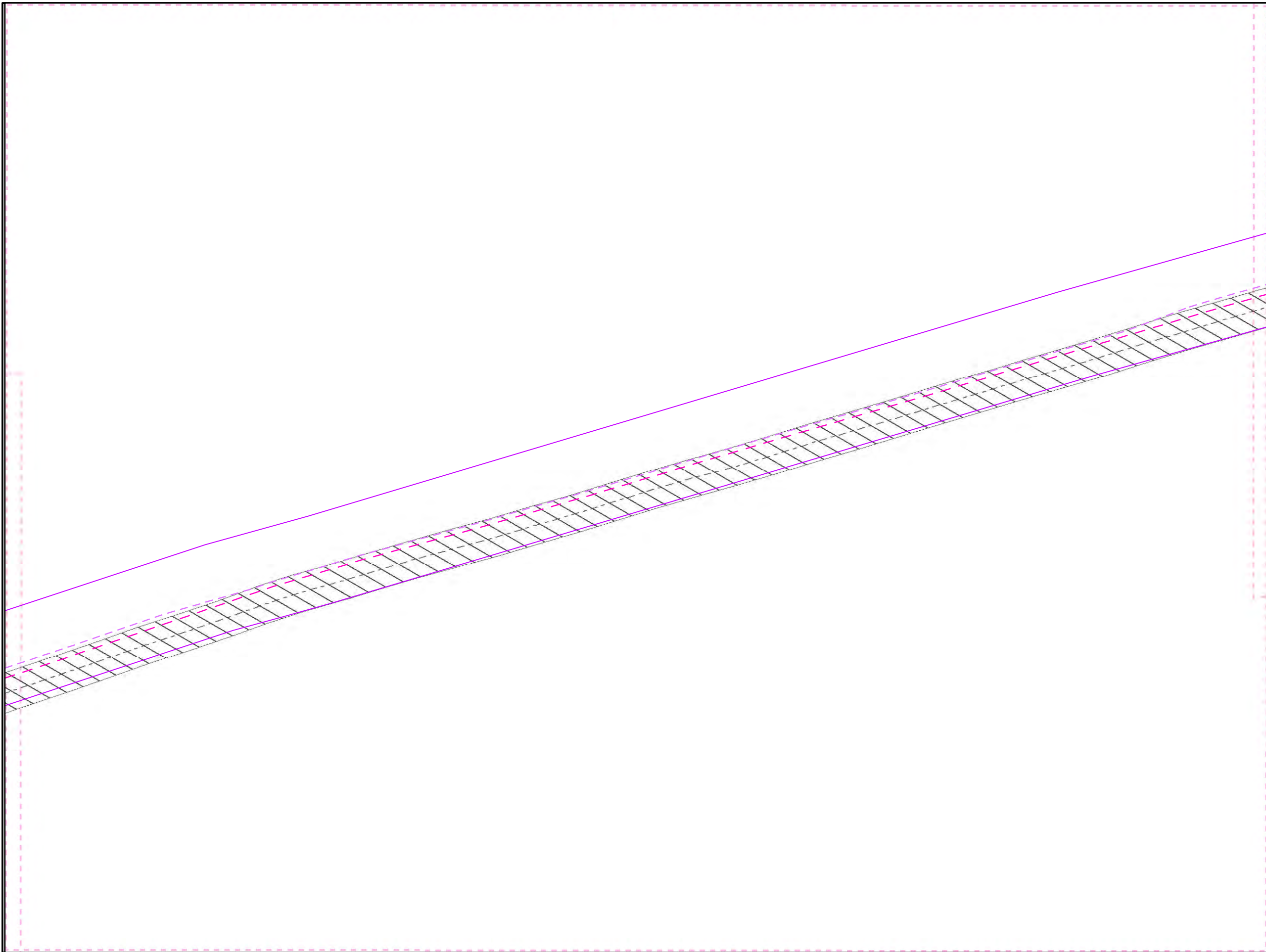


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
30 of 79**

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| Prepared By: | Date: 11/2016 |
|-------------------------|--------------------------------|

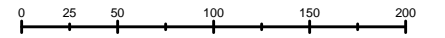
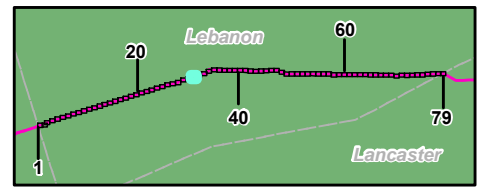
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Legend

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1 inch = 100 feet

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

Prepared By:



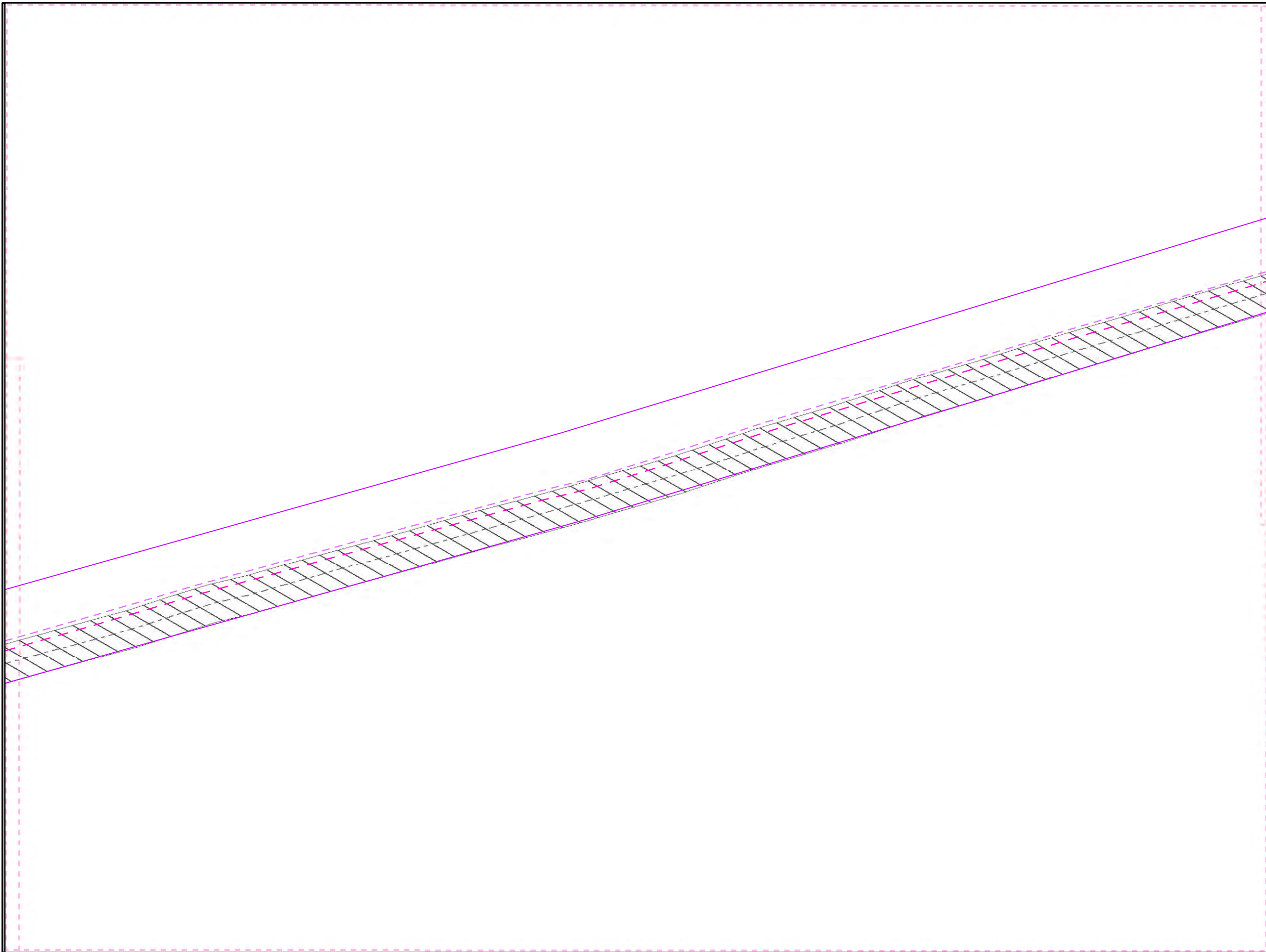
Date:

11/2016

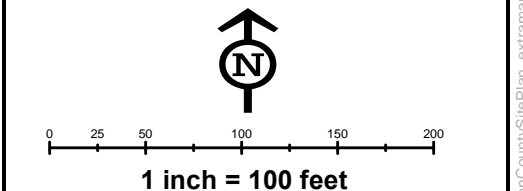
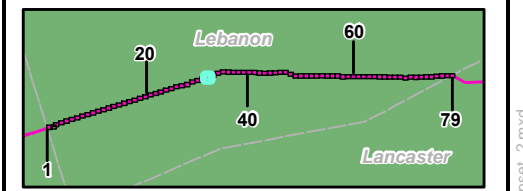
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.

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
 - ▣ 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

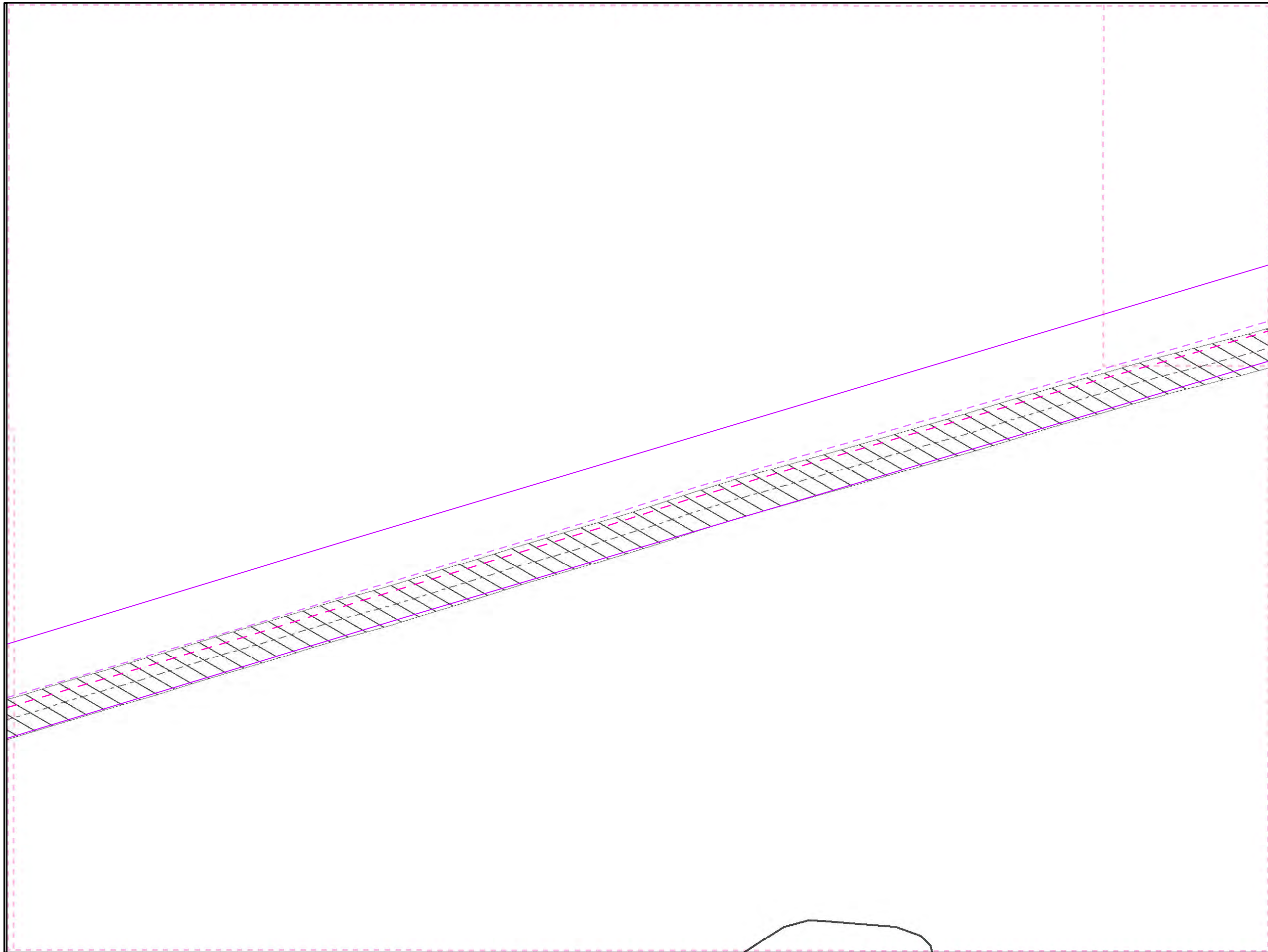


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
32 of 79**

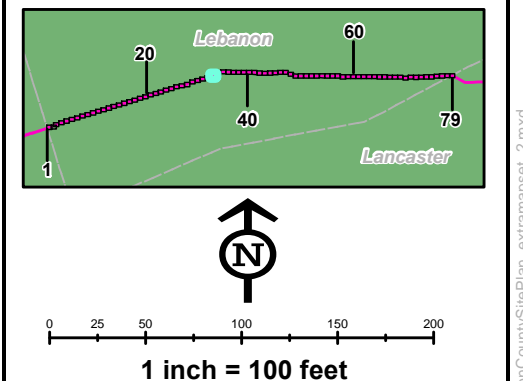
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| Prepared By: | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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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

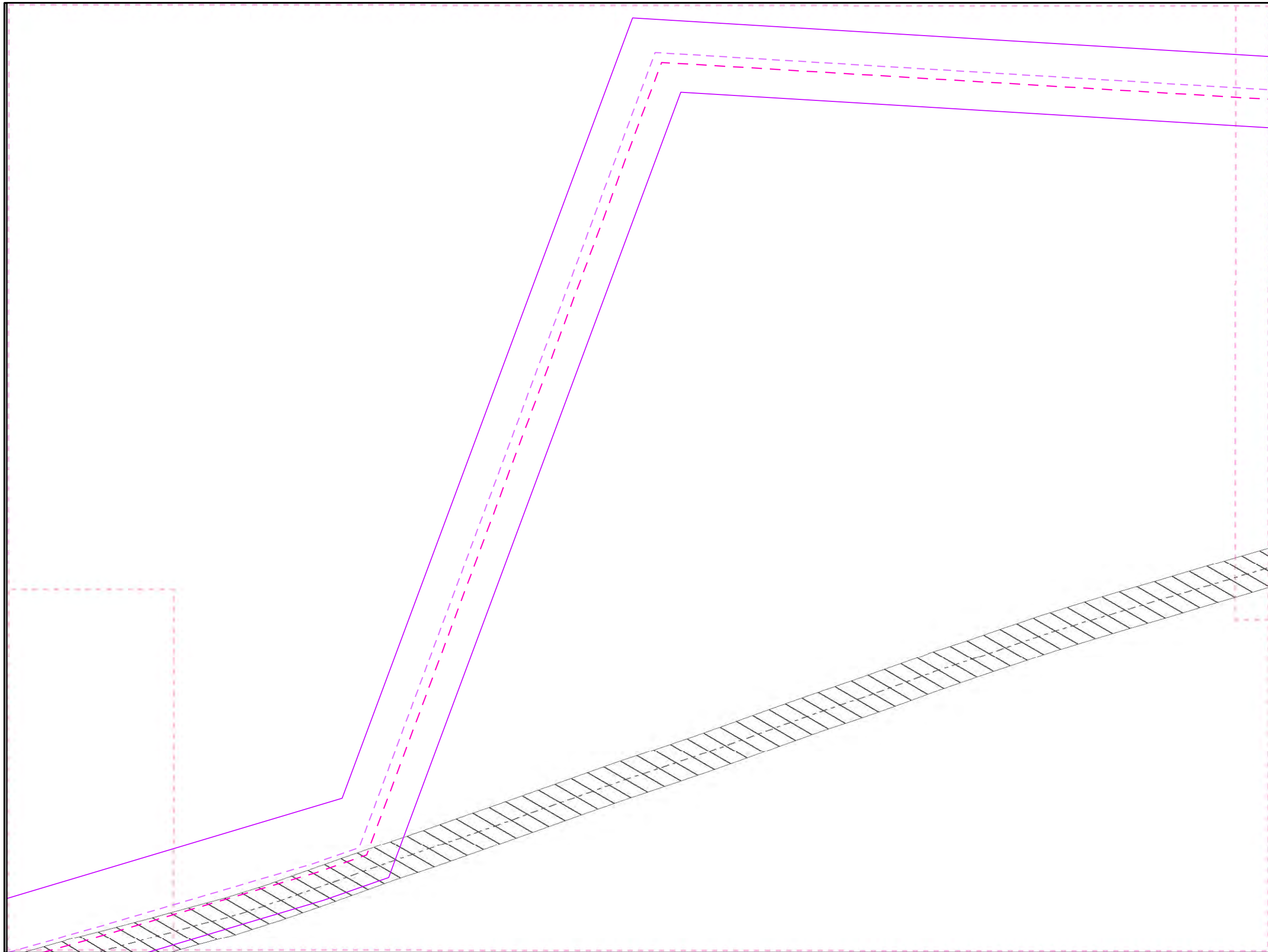


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
33 of 79**

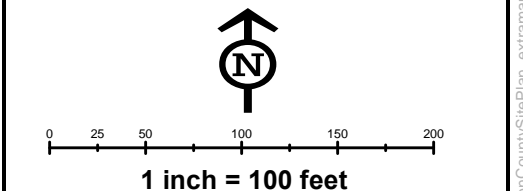
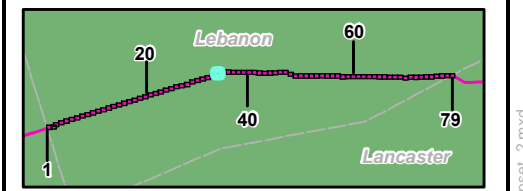
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| Prepared By: | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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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

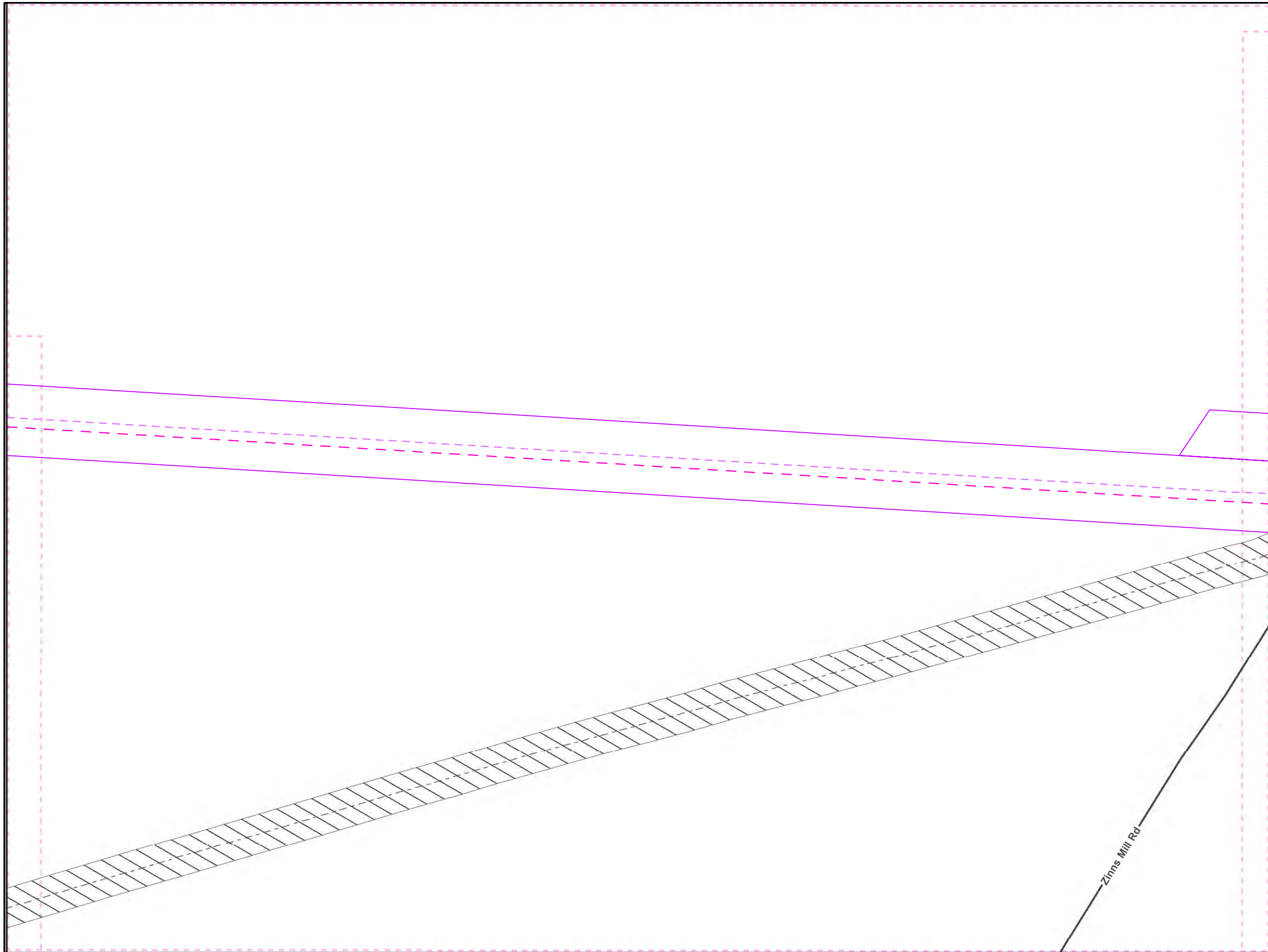


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
34 of 79**

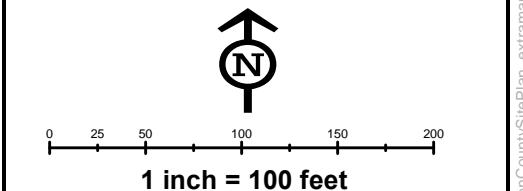
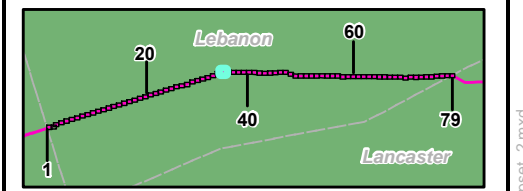
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| Prepared By: | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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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

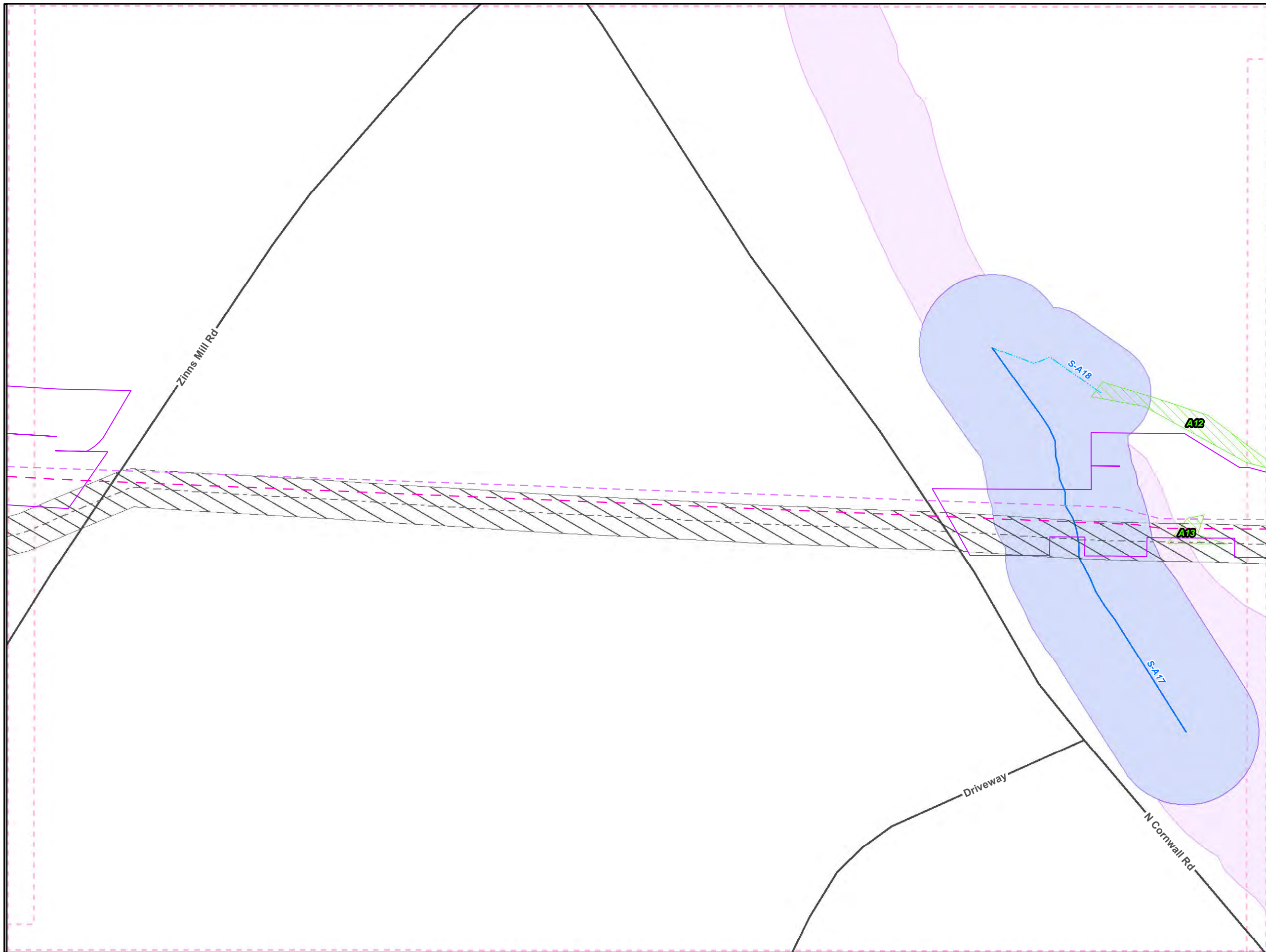


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
35 of 79**

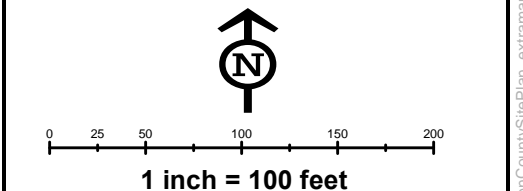
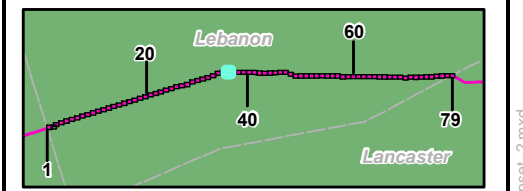
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| Prepared By:  | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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-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

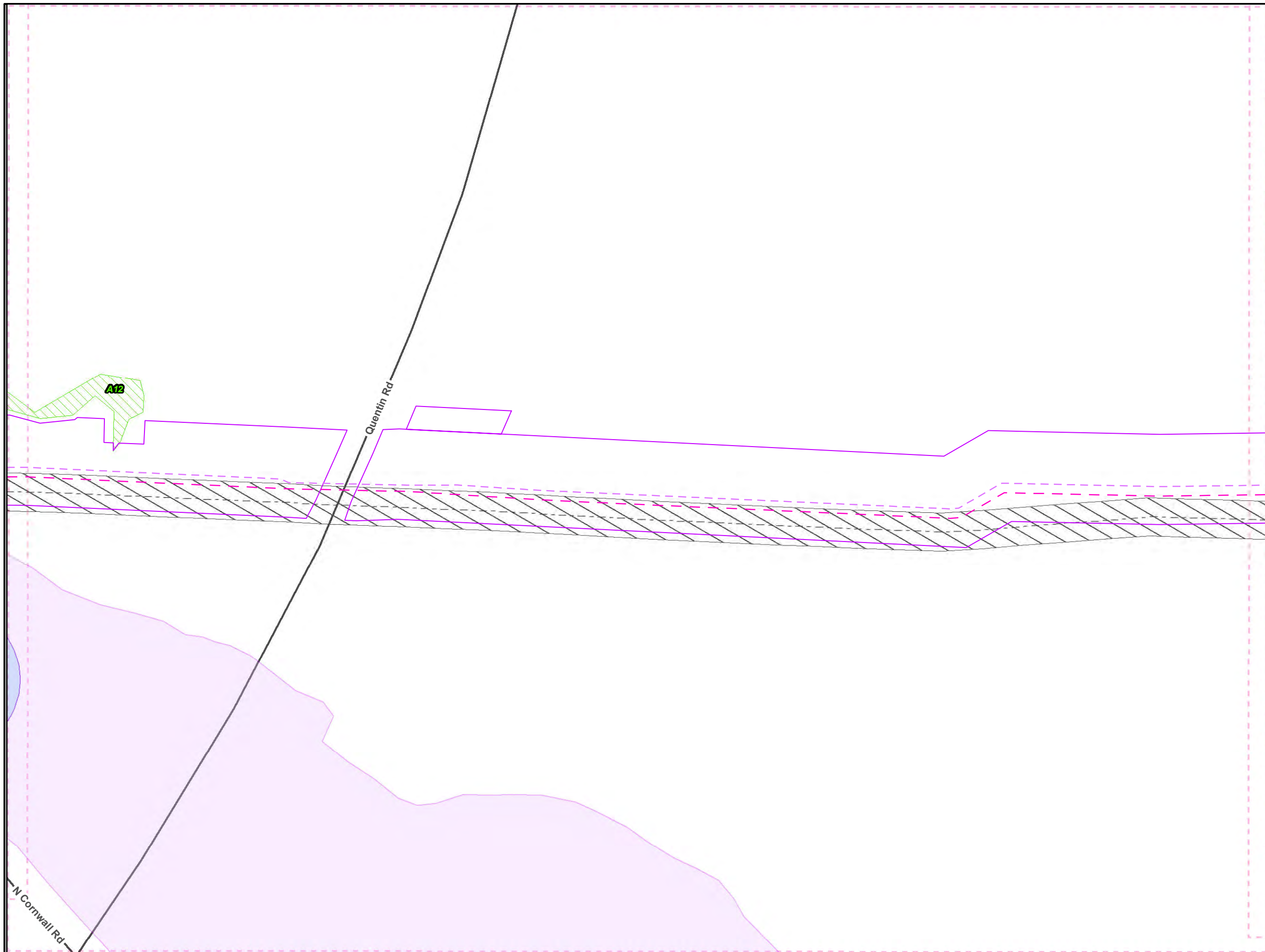


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
36 of 79

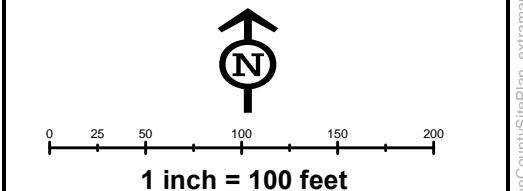
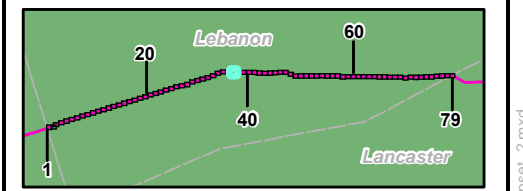
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| Prepared By: | Date: |
| TETRA TECH | 11/2016 |

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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- Legend**
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 - ▣ Waived Ch. 105 Floodways
 - ▣ Ch. 106 Floodplain Fringe
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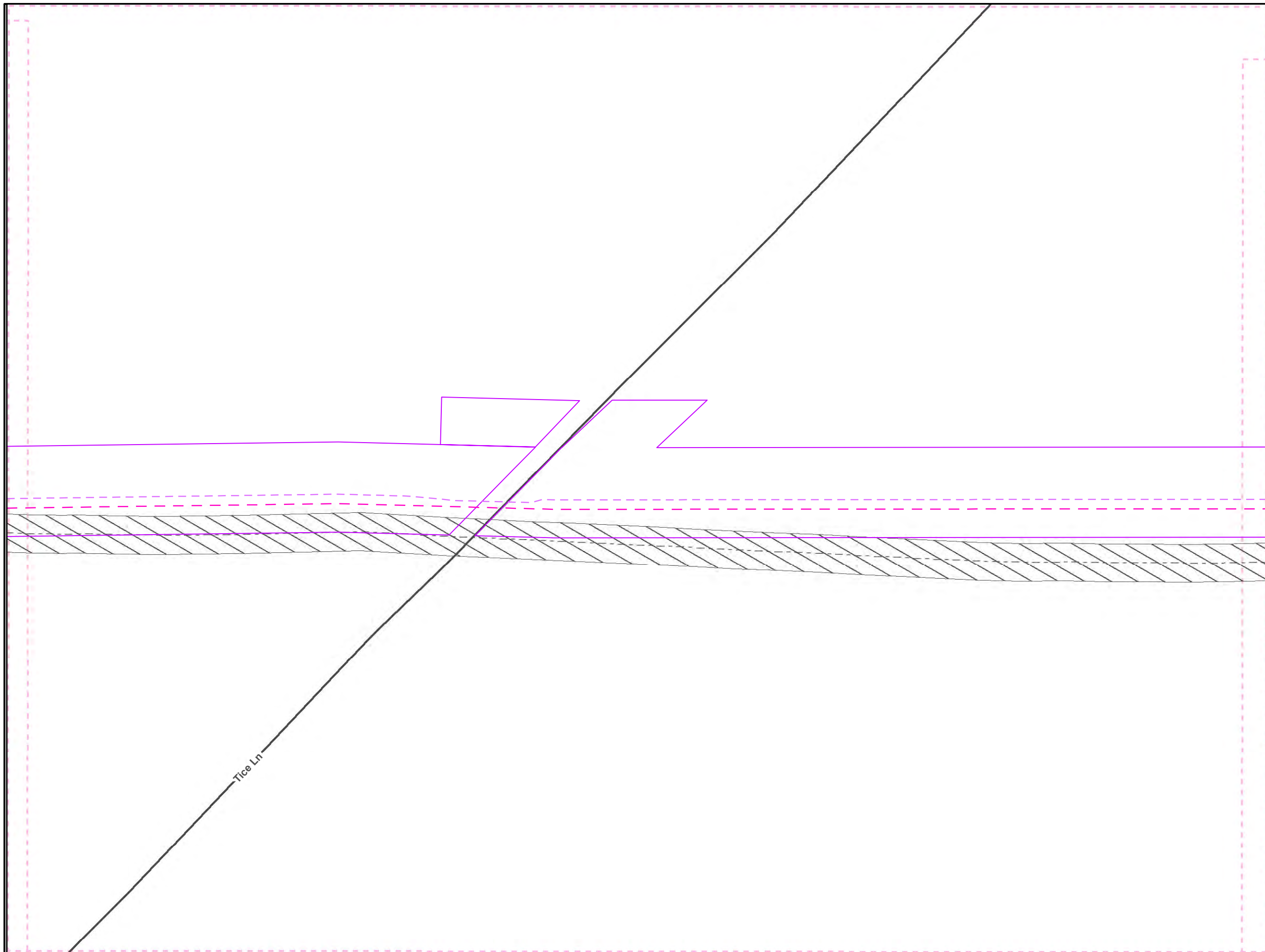


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline
Lebanon County, PA.
37 of 79**

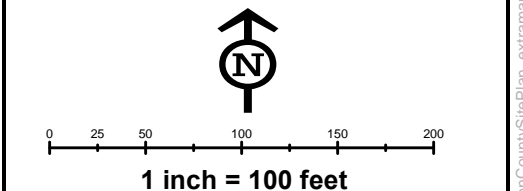
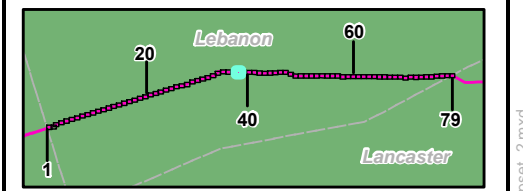
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| Prepared By: | Date: 11/2016 |
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- Legend**
- PPP 1
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 - PPP LOD
 - 8" Centerline
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 - ▣ Waived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

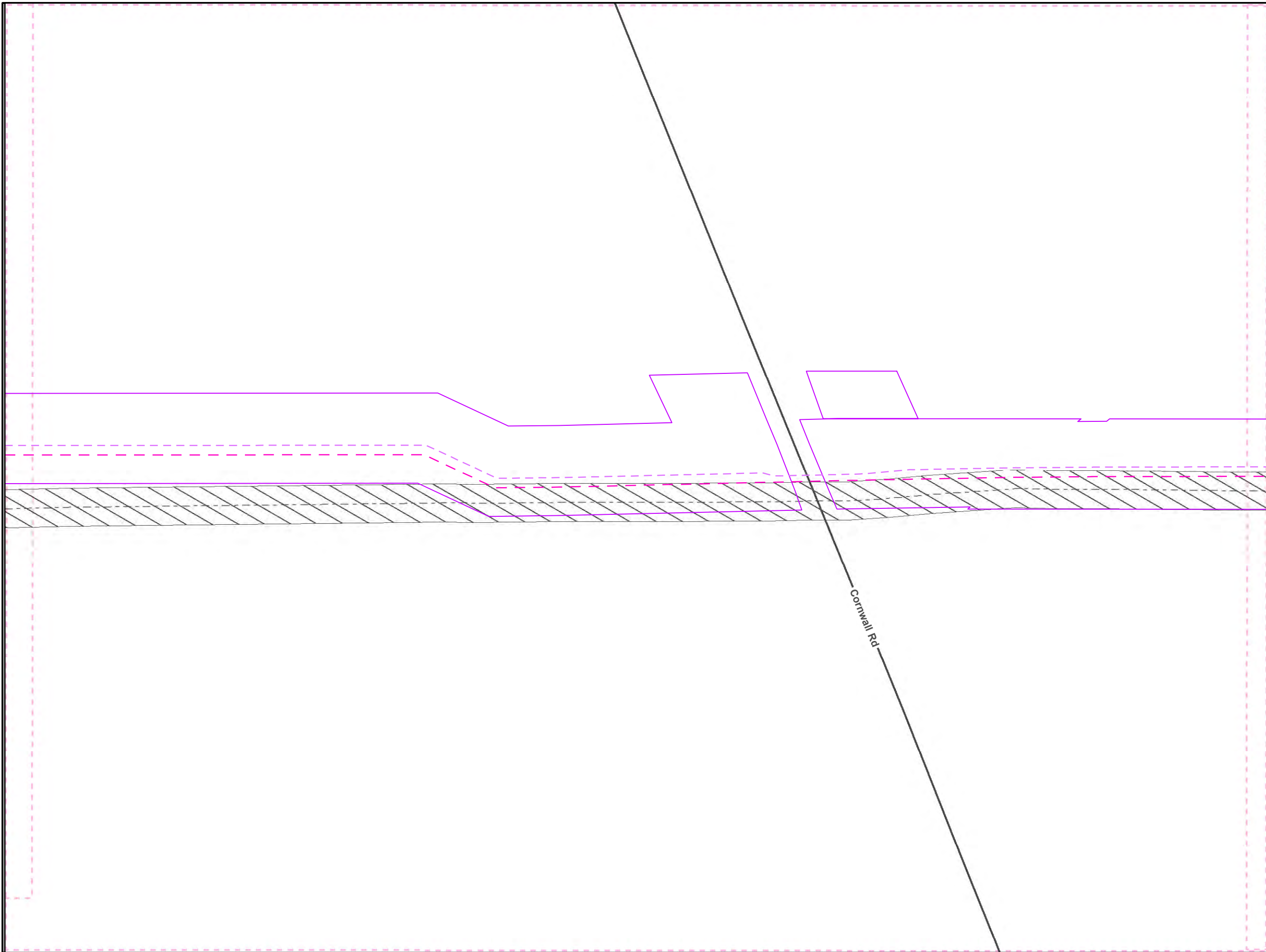


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
38 of 79**

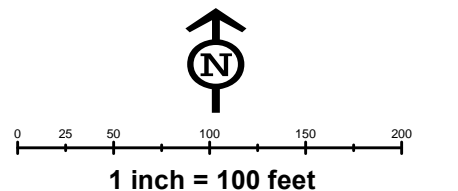
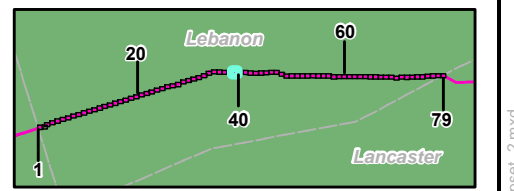
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| Prepared By: | Date: 11/2016 |
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- Legend**
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 - Sheet Boundary

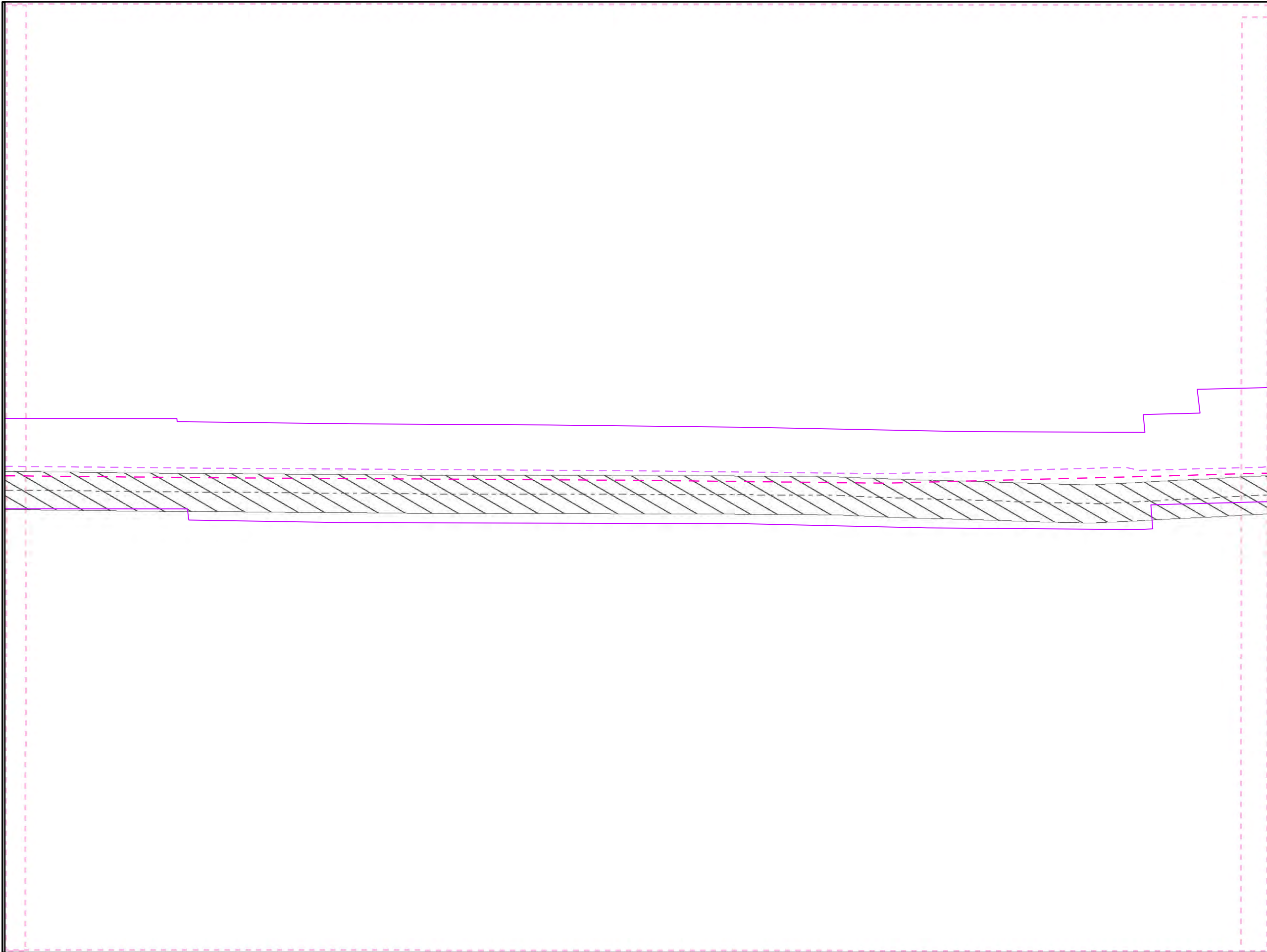


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
39 of 79**

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| Prepared By: | Date: 11/2016 |
|-------------------------|--------------------------------|

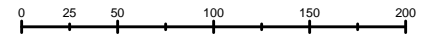
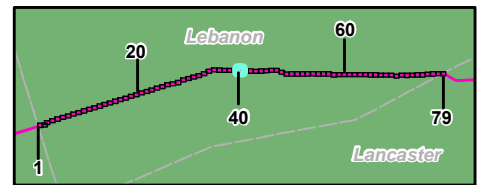
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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Legend

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- Sheet Boundary



1 inch = 100 feet

**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
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Prepared By:

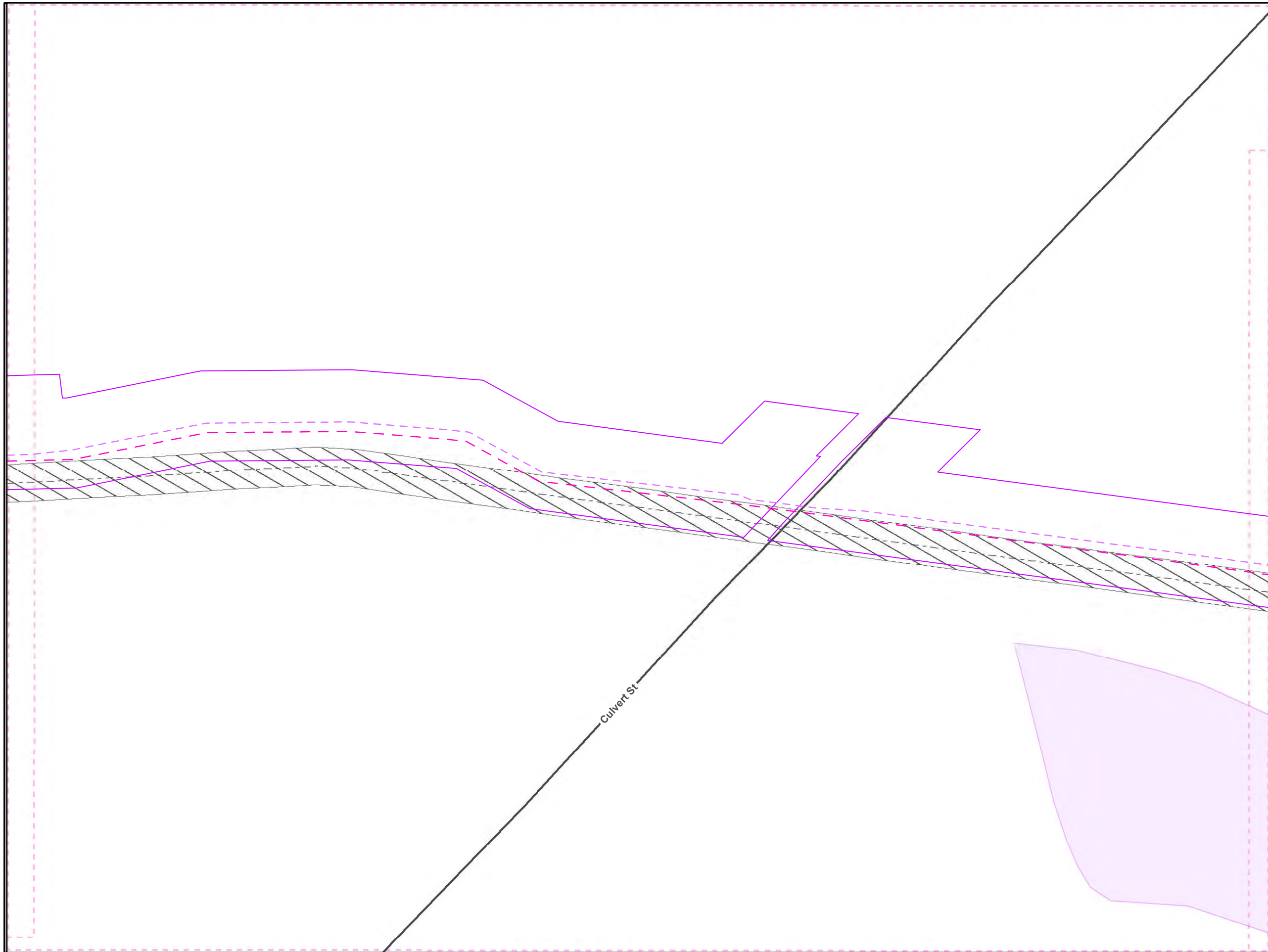


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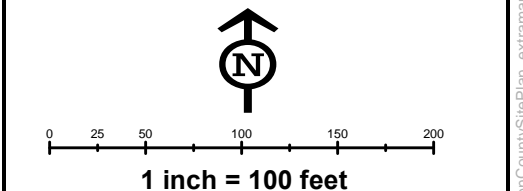
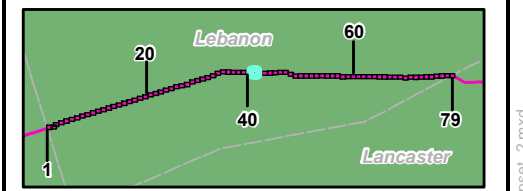
11/2016

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- Legend**
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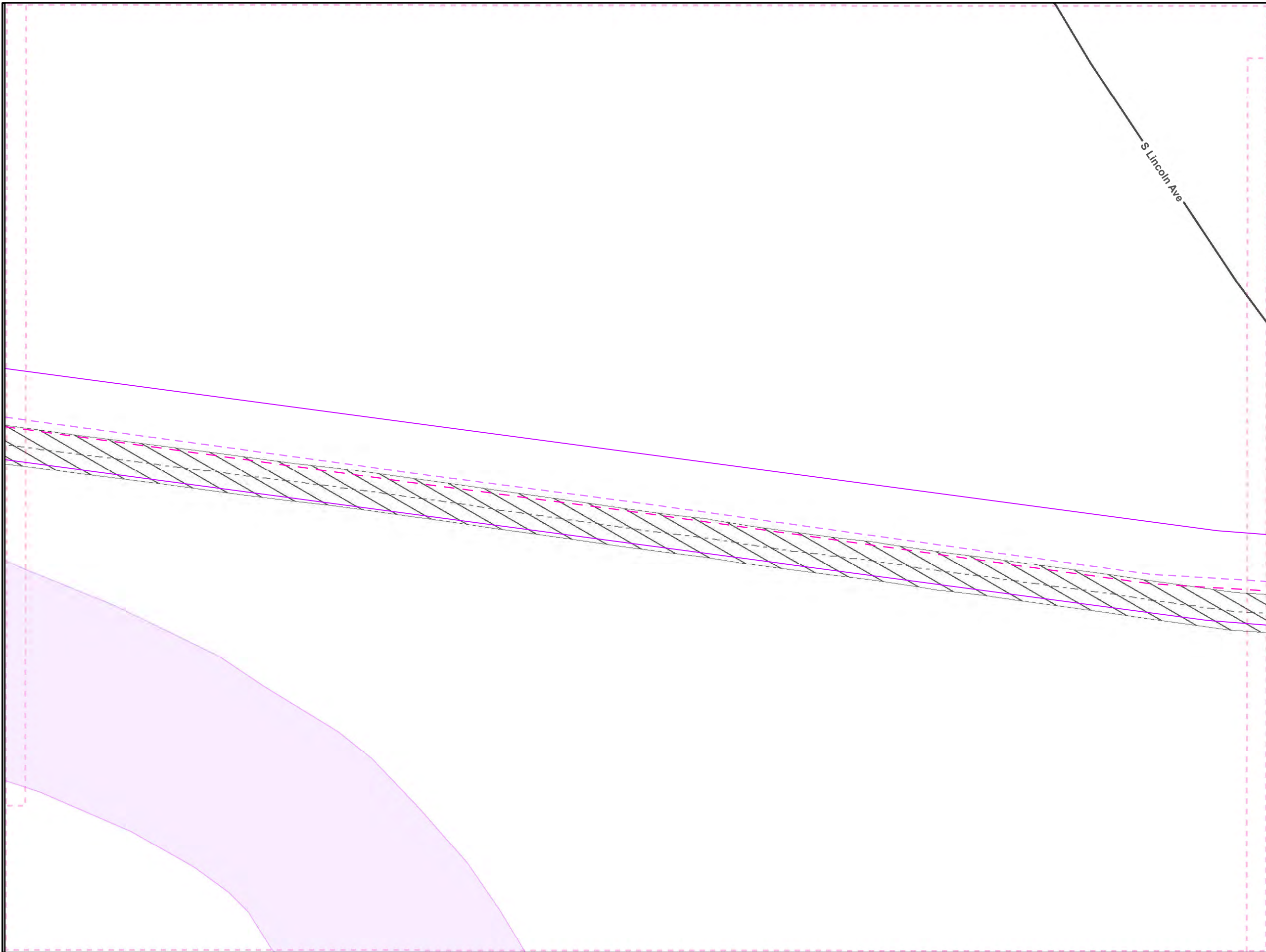


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
41 of 79**

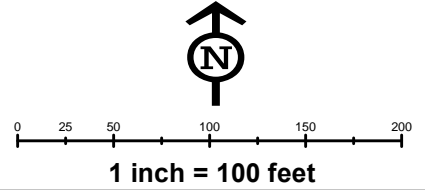
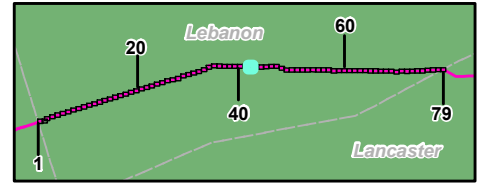
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| Prepared By: | Date: 11/2016 |
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- Legend**
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 - ⊡ Waived Ch. 105 Floodways
 - ⊡ Ch. 106 Floodplain Fringe
 - Roads
 - ⋯ Sheet Boundary

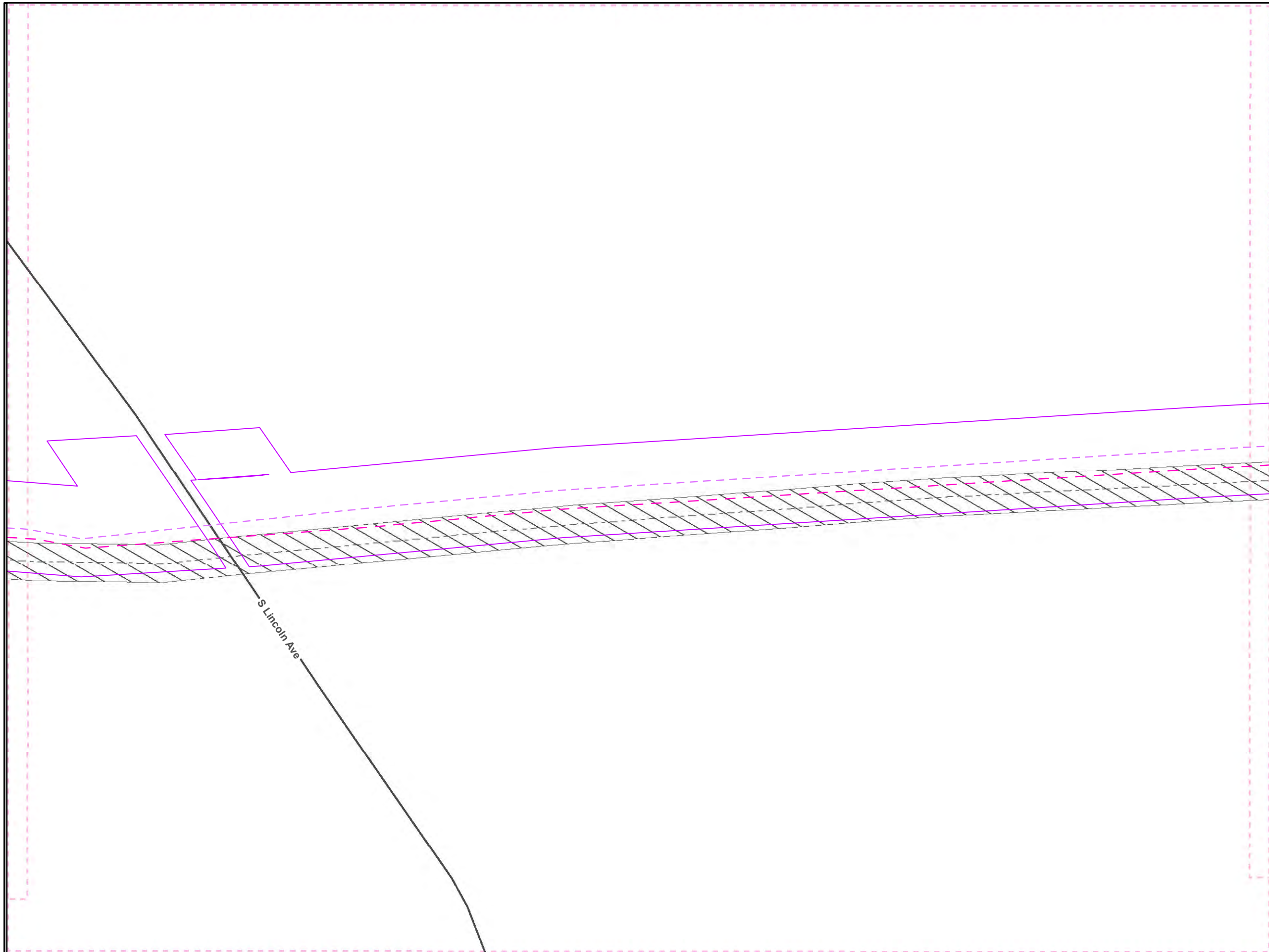


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
42 of 79**

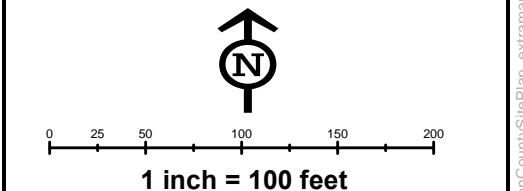
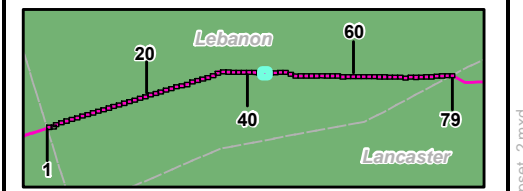
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- Legend**
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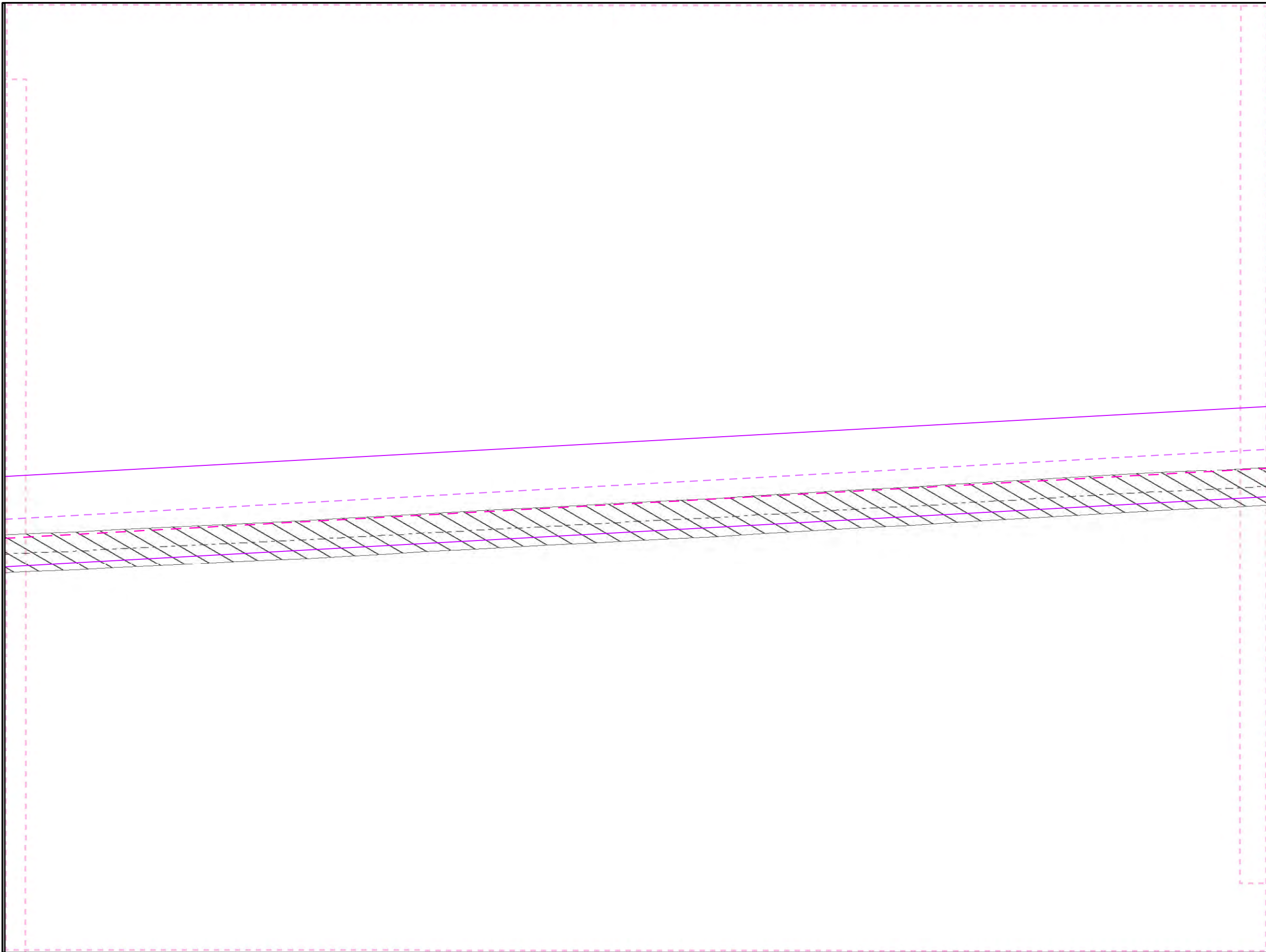


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
43 of 79**

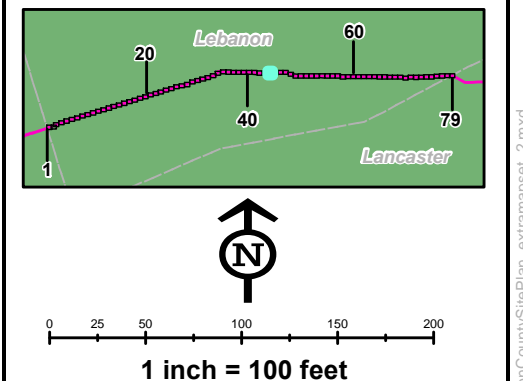
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- Legend**
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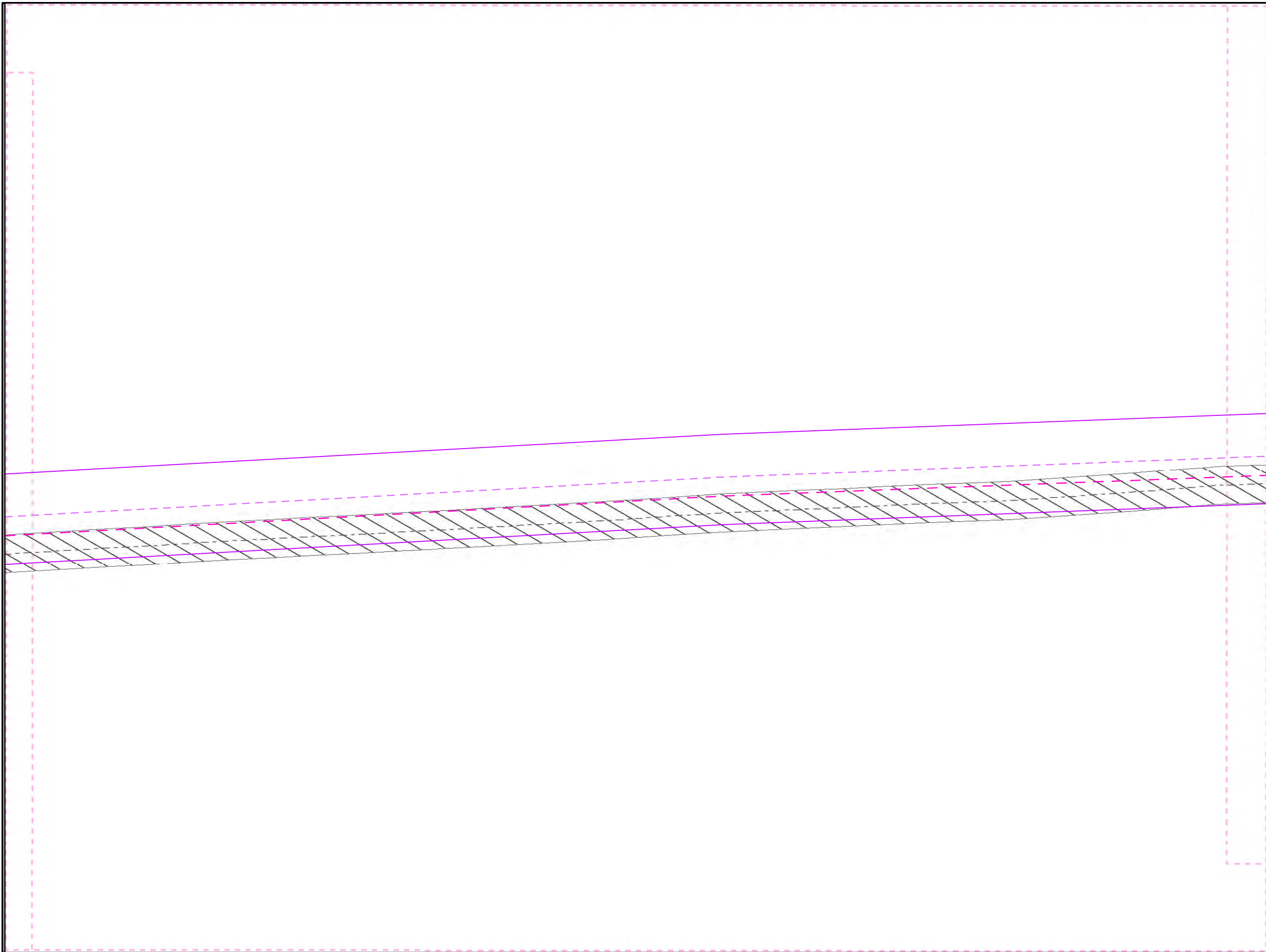


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
 44 of 79

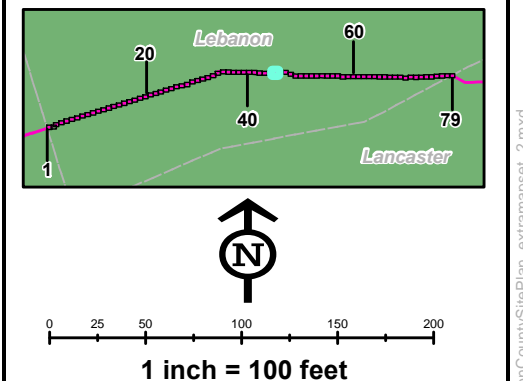
Prepared By:  **TETRA TECH** **Date:** 11/2016

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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 - ⋯ Sheet Boundary

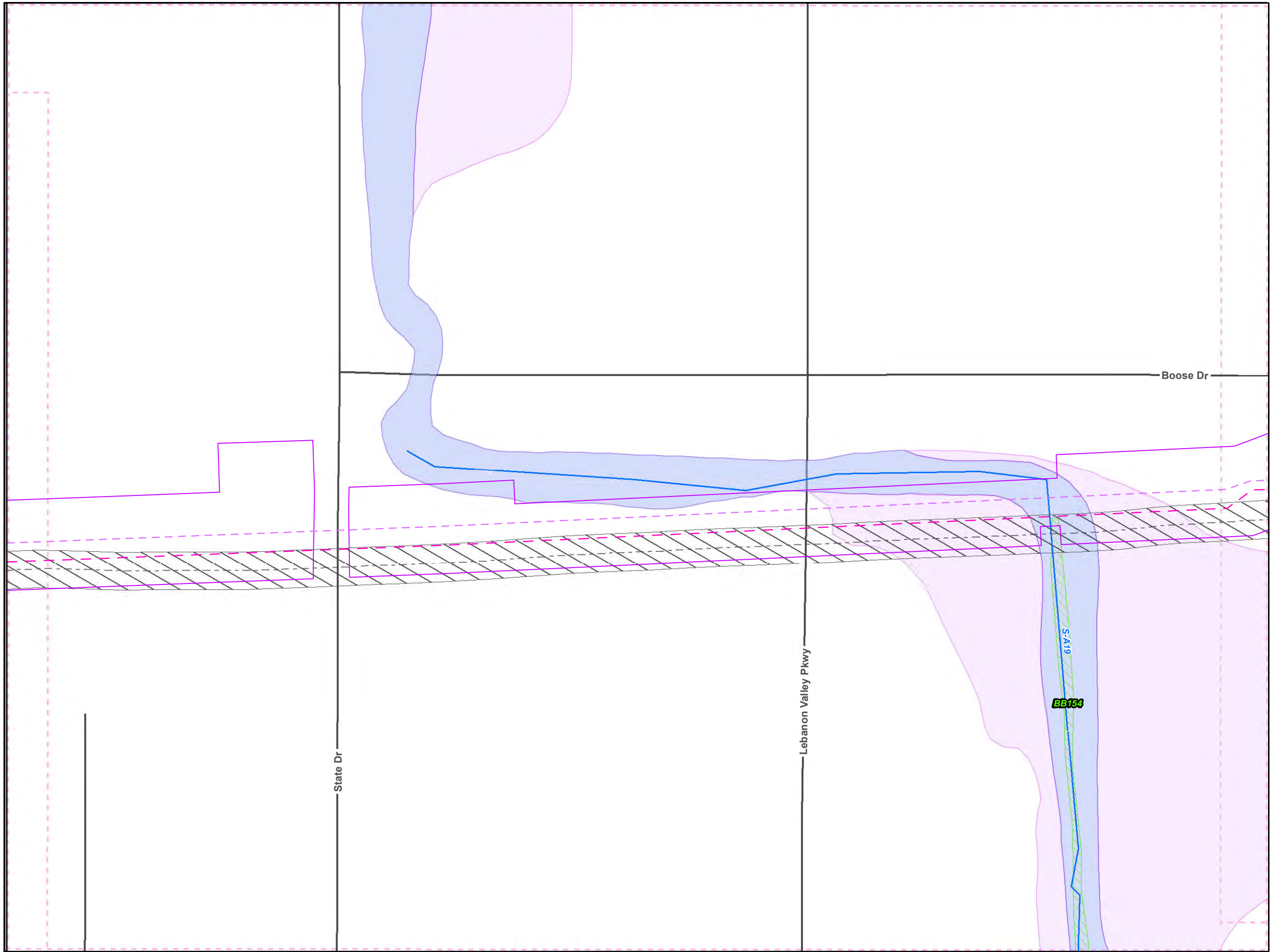


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
45 of 79**

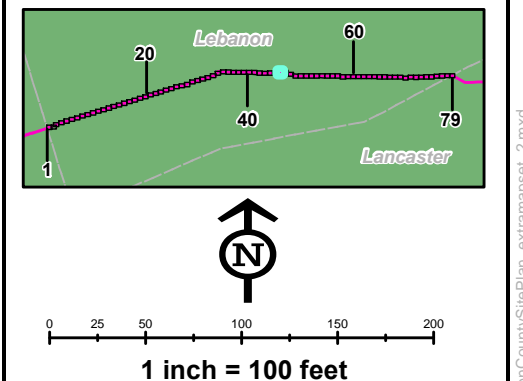
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| Prepared By: | Date: 11/2016 |
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 - Roads
 - - - Sheet Boundary

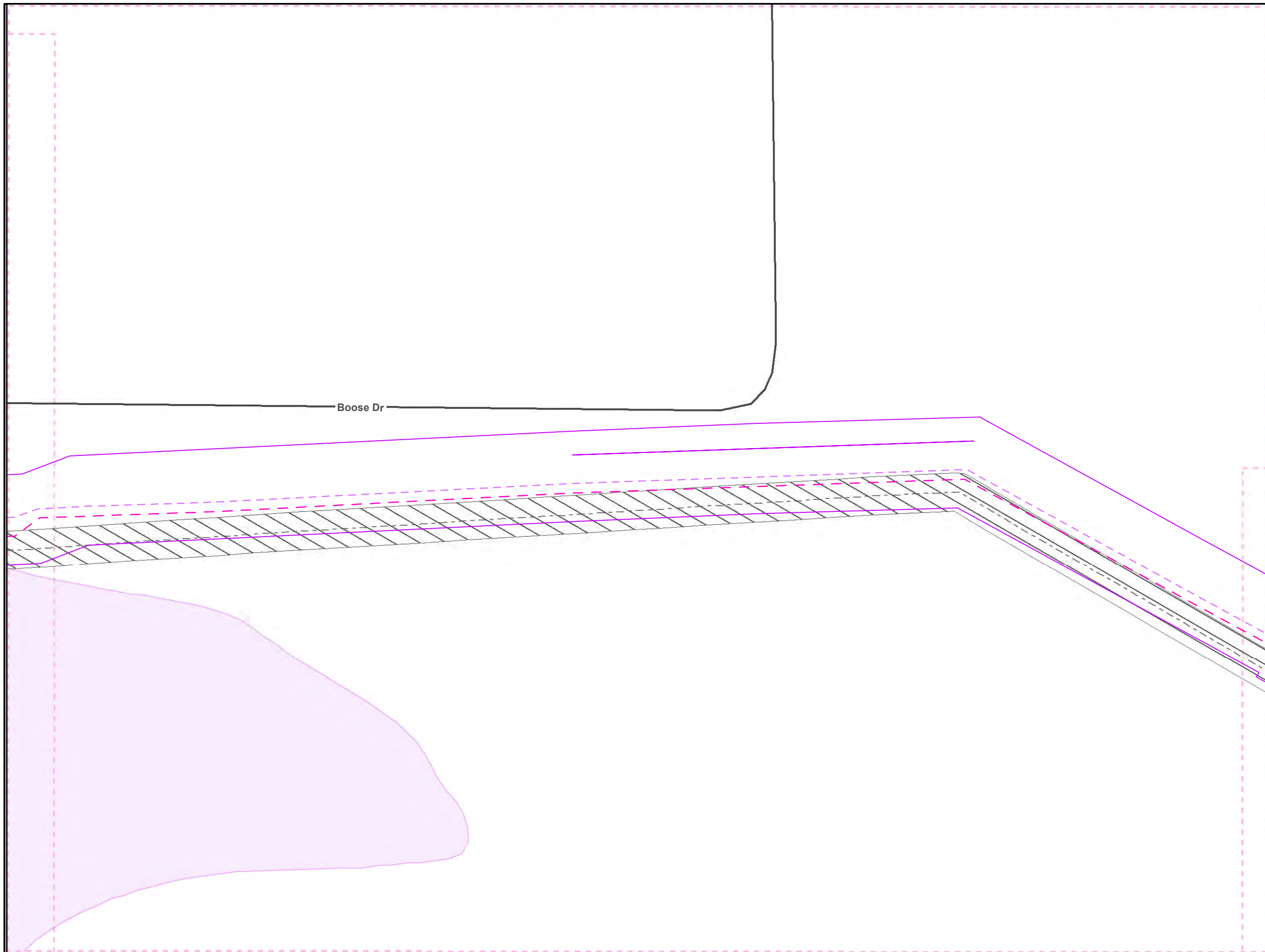


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline
Lebanon County, PA.
46 of 79**

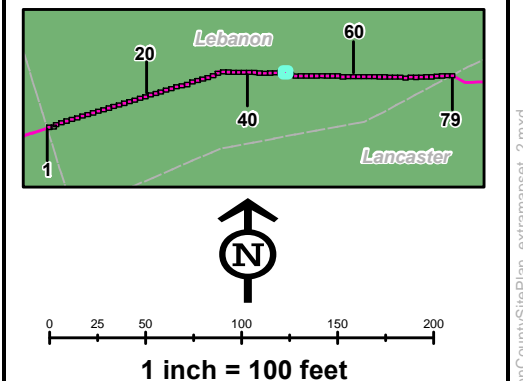
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| Prepared By: TETRA TECH | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.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

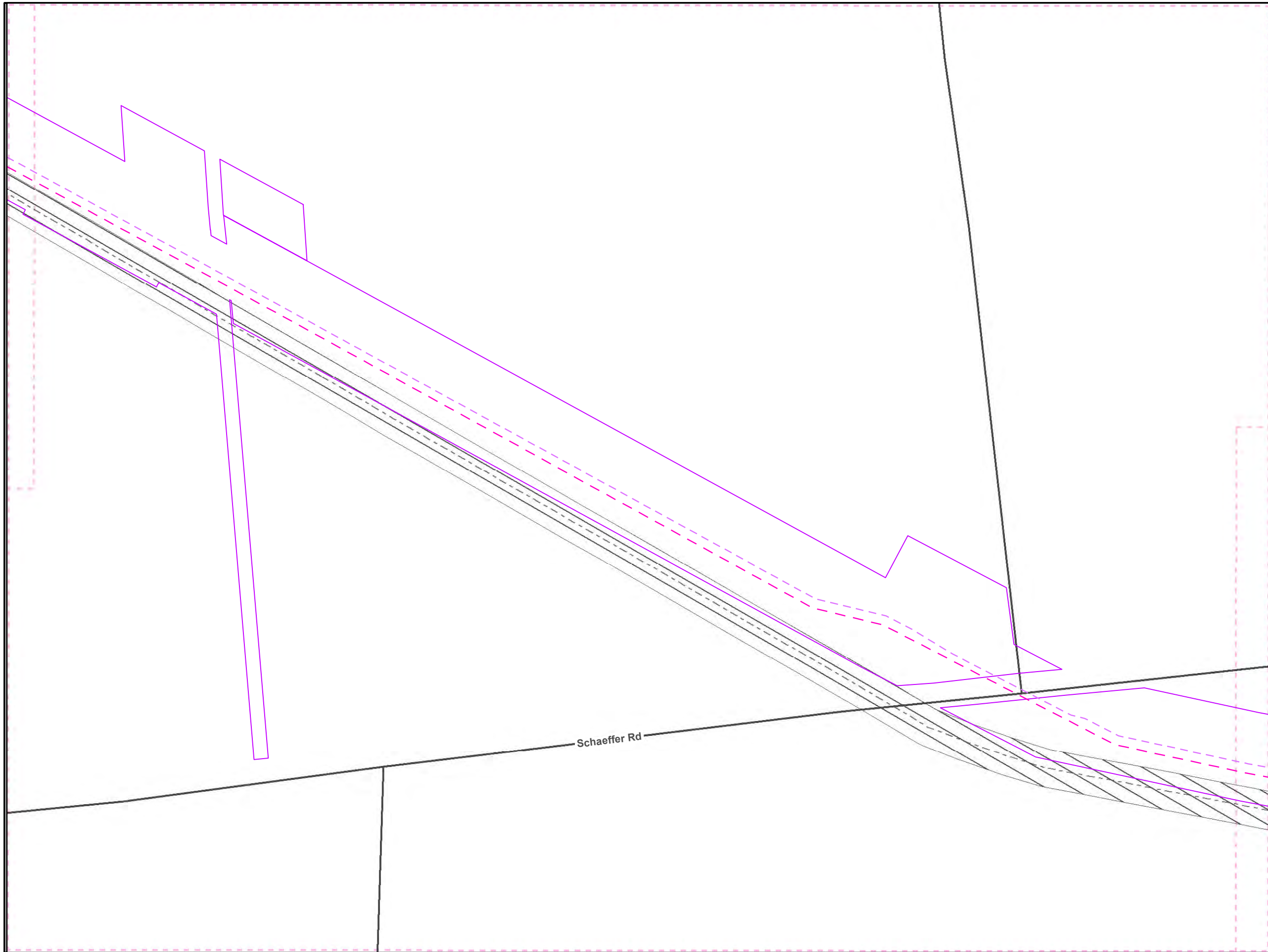


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
47 of 79**

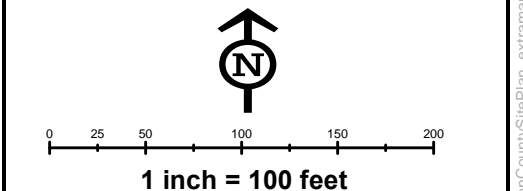
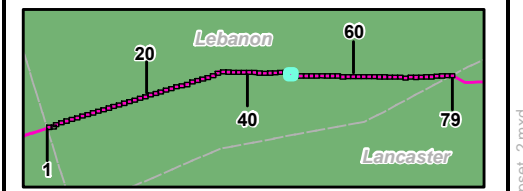
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| Prepared By: | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
Coordinate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

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



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

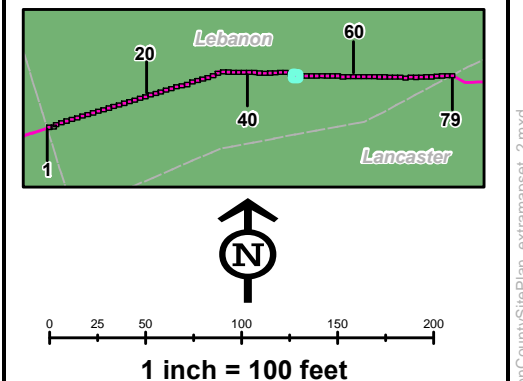
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| Prepared By: | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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- Legend**
- PPP 1
 - PPP 2
 - PPP LOD
 - 8" Centerline
 - ▨ 8" Pipeline Maintenance Corridor
 - ▣ 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

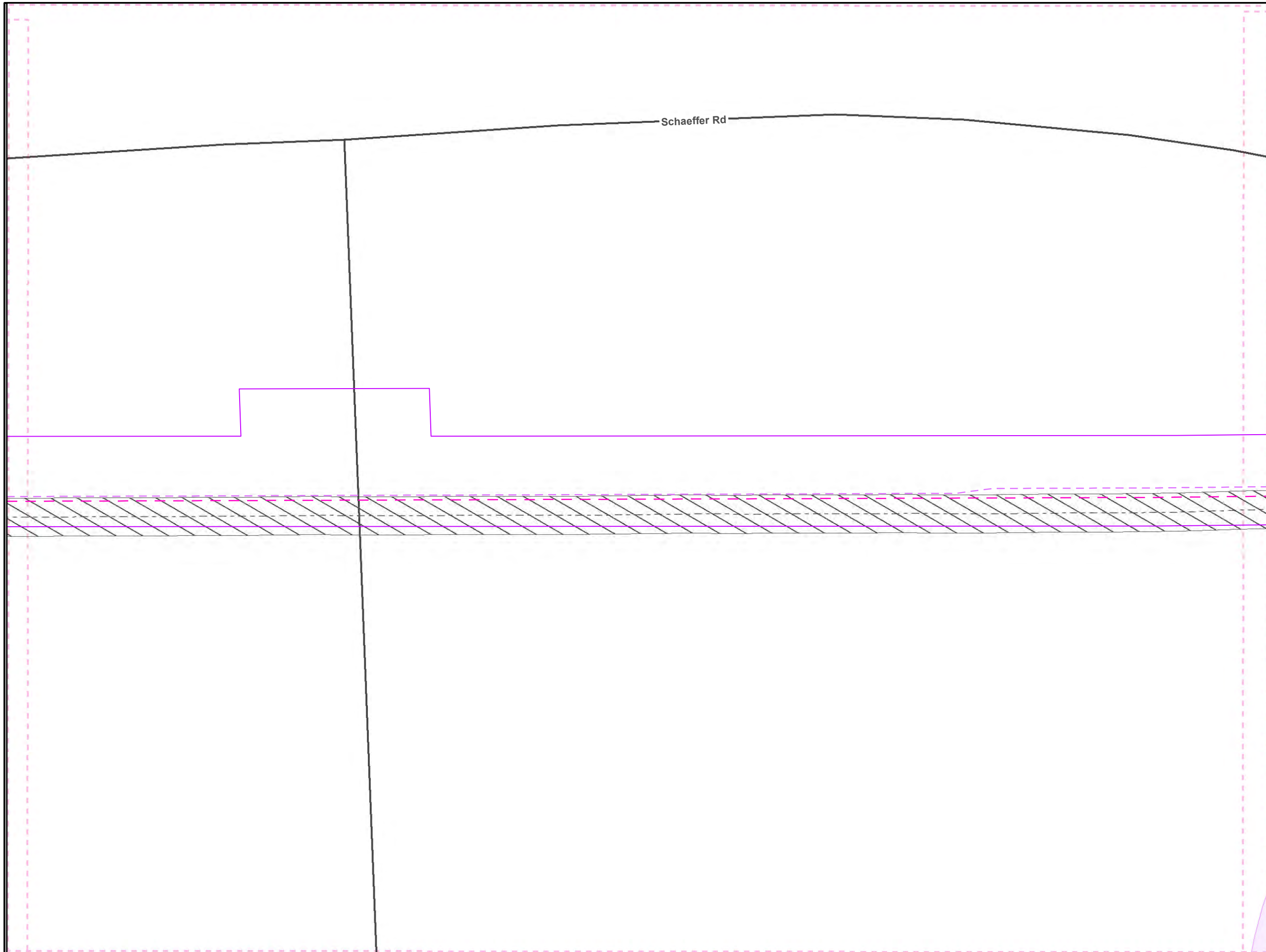


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
49 of 79**

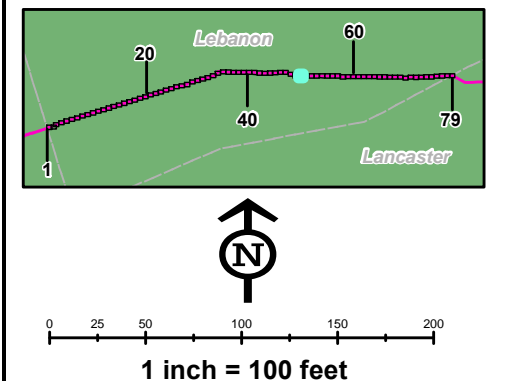
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| Prepared By: | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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- Legend**
- PPP 1
 - PPP 2
 - PPP LOD
 - 8" Centerline
 - ▨ 8" Pipeline Maintenance Corridor
 - ▣ 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

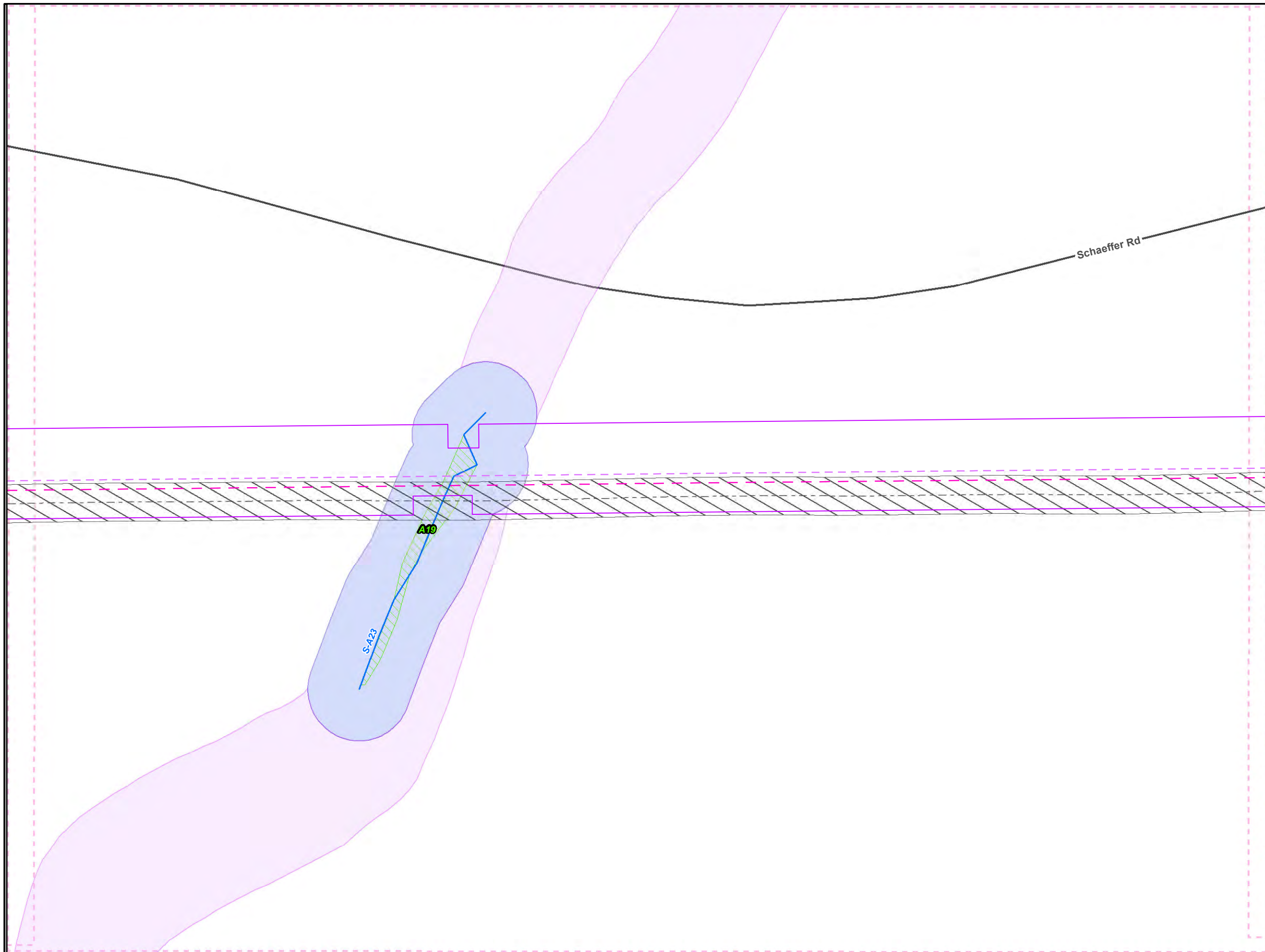


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline
Lebanon County, PA.
50 of 79**

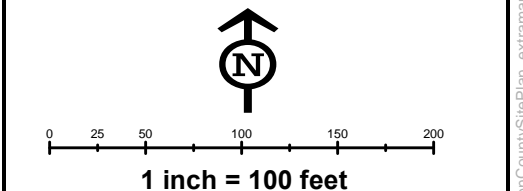
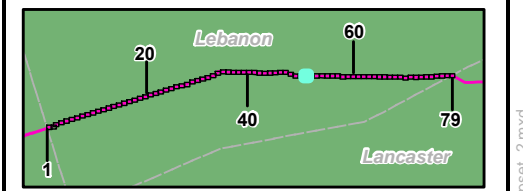
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| Prepared By:  | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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- Legend**
- PPP 1
 - PPP 2
 - PPP LOD
 - 8" Centerline
 - 8" Pipeline Maintenance Corridor
 - 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

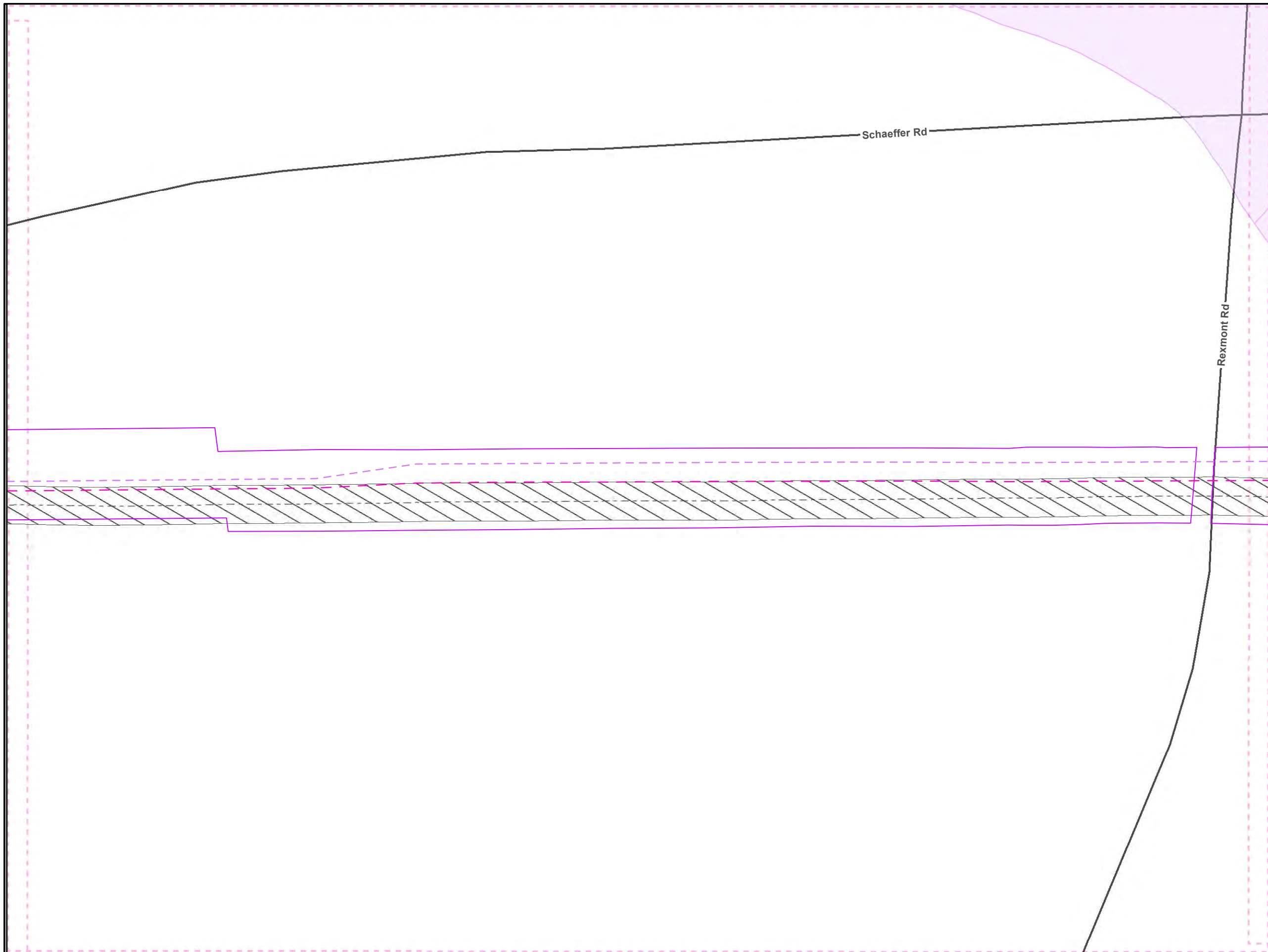


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
51 of 79**

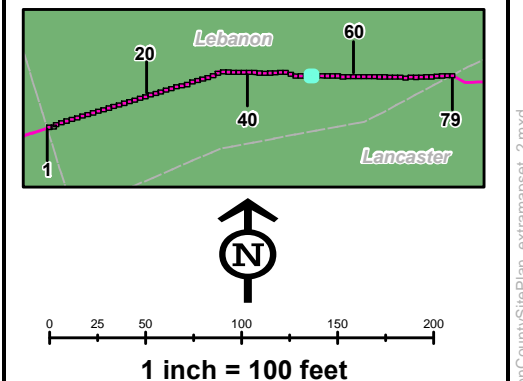
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| Prepared By: | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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- Legend**
- PPP 1
 - PPP 2
 - PPP LOD
 - 8" Centerline
 - ▨ 8" Pipeline Maintenance Corridor
 - ▣ 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

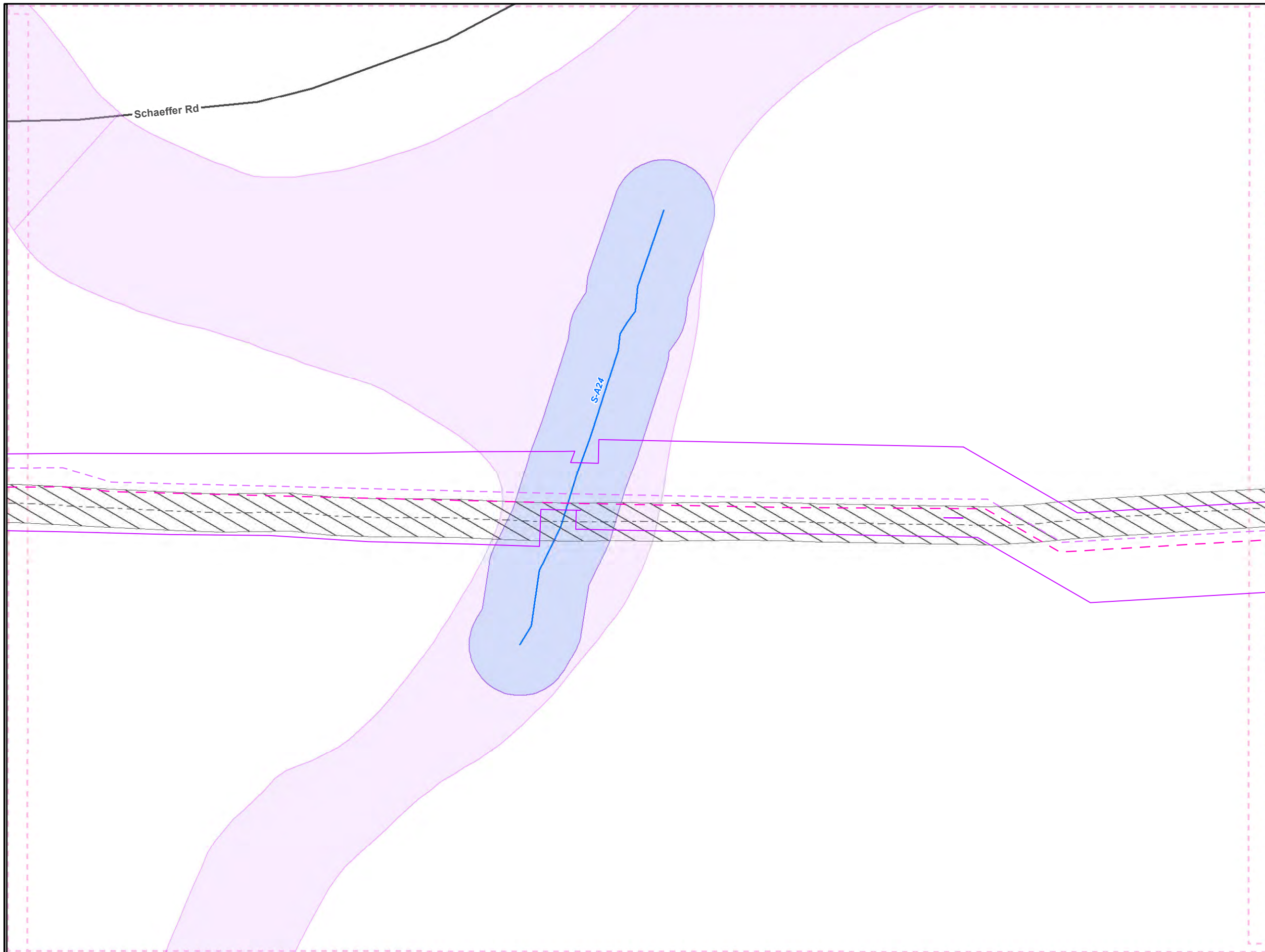


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
52 of 79

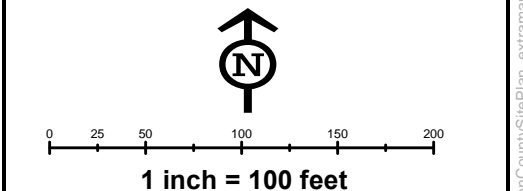
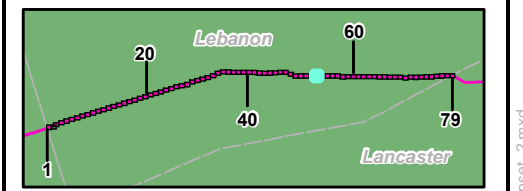
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| Prepared By:  | Date: 11/2016 |
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- Legend**
- PPP 1
 - PPP 2
 - PPP LOD
 - 8" Centerline
 - ▨ 8" Pipeline Maintenance Corridor
 - ▣ Stations
 - ~ Ephemeral Stream
 - ~ Intermittent Stream
 - ~ Perennial Stream
 - ▣ Pond
 - ▣ PEM Wetland
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 - ▣ PSS Wetland
 - ▣ Ch. 105 Floodways
 - ▣ Waived Ch. 105 Floodways
 - ▣ Ch. 106 Floodplain Fringe
 - Roads
 - Sheet Boundary

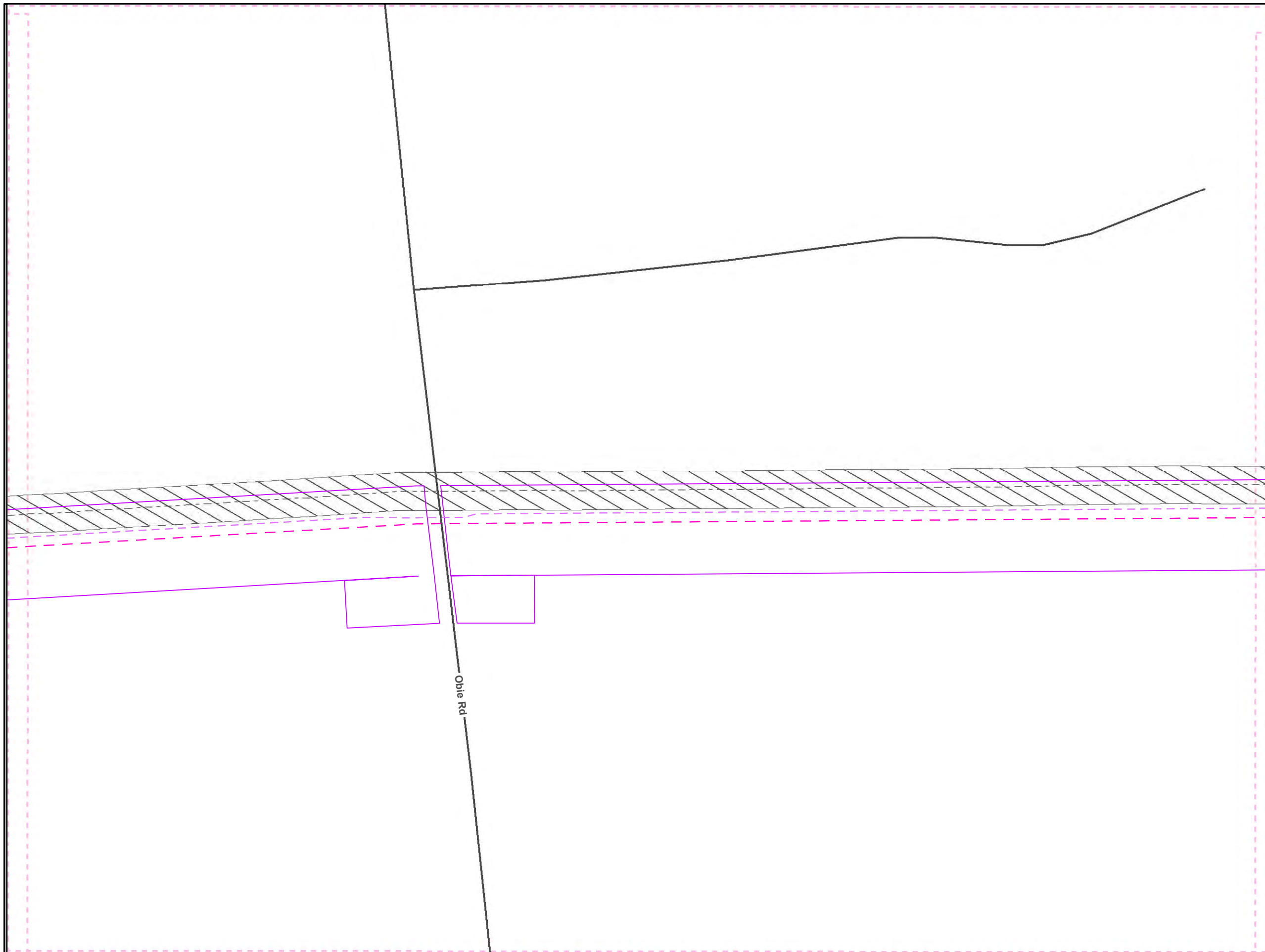


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline
Lebanon County, PA.
53 of 79**

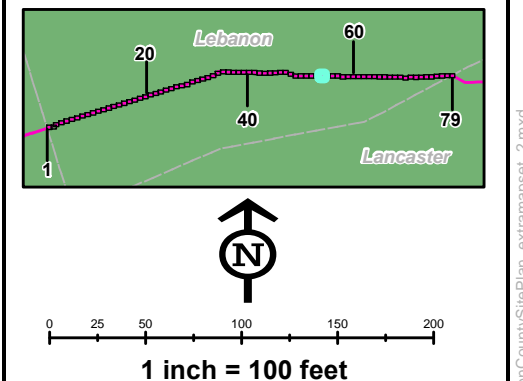
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|-----------------------------------|-------------------------|
| Prepared By: TETRA TECH | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain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

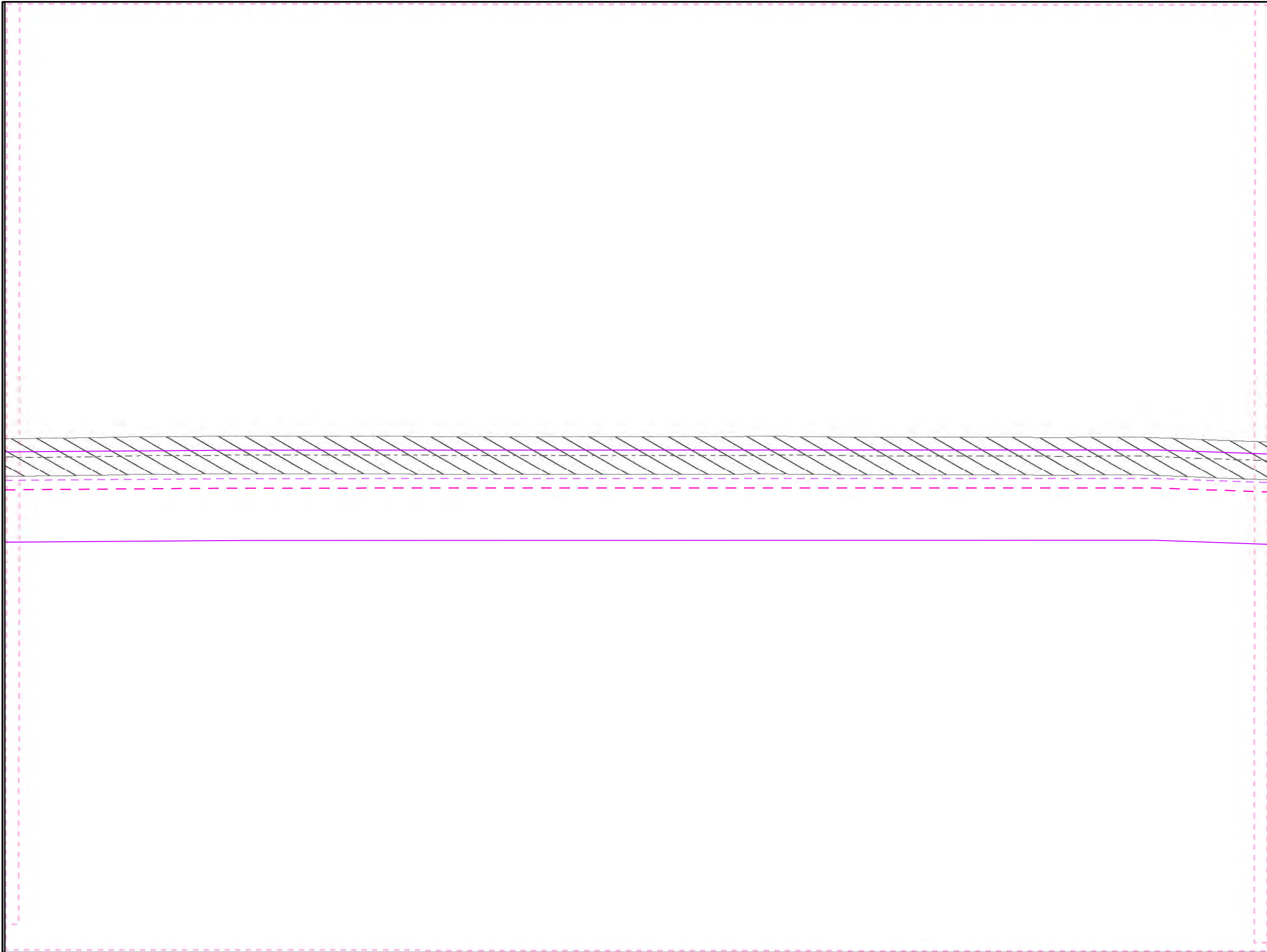


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
 54 of 79



















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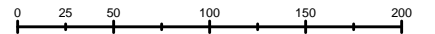
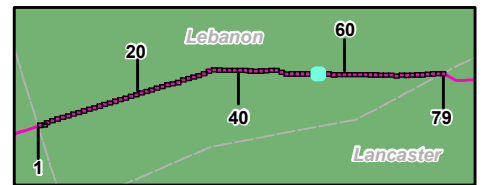
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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Legend

-  PPP 1
-  PPP 2
-  PPP LOD
-  8" Centerline
-  8" Pipeline Maintenance Corridor
-  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
Lebanon County, PA.
55 of 79**

Prepared By:

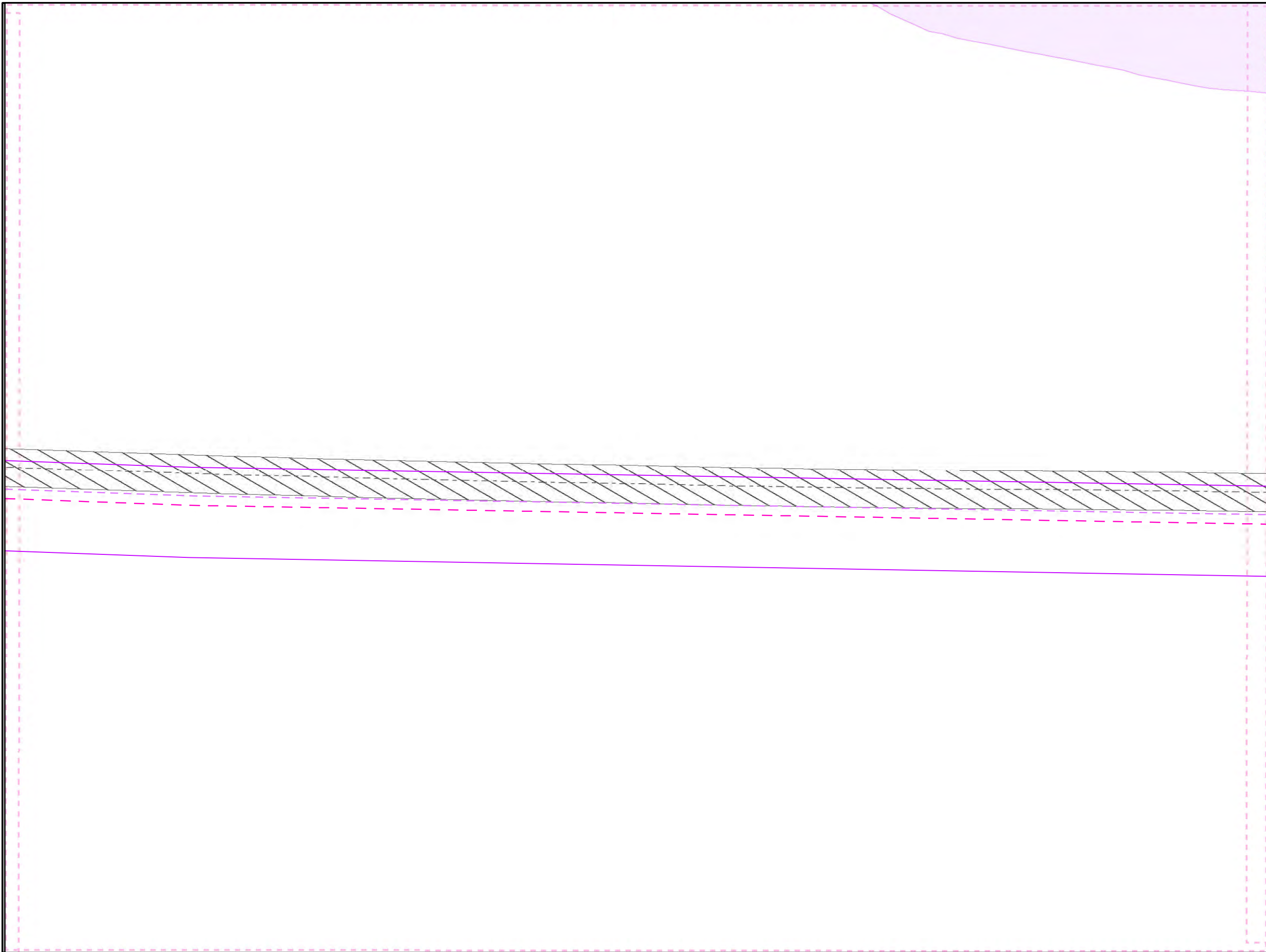


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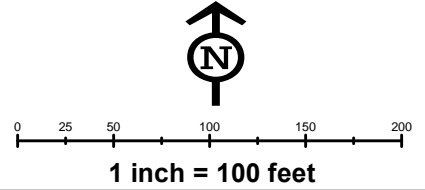
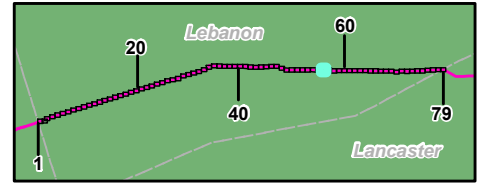
11/2016

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

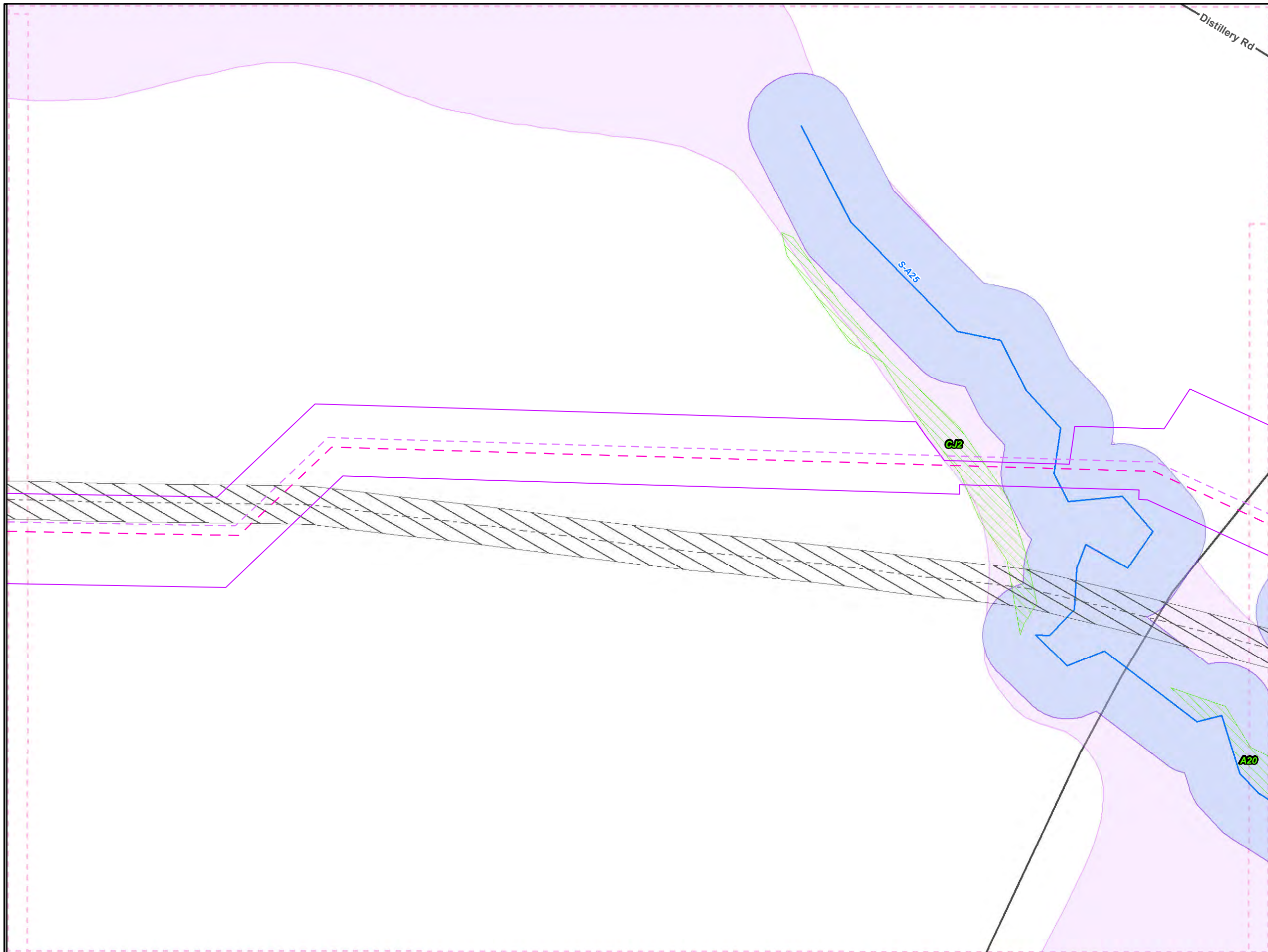


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
56 of 79**

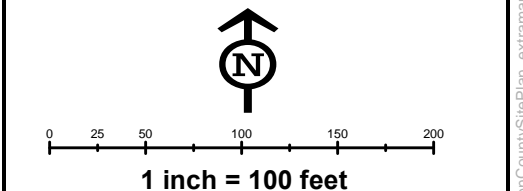
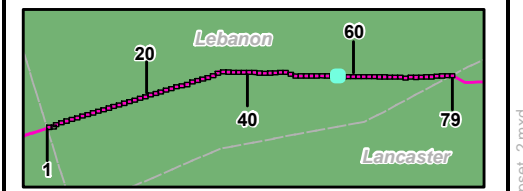
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- Legend**
- PPP 1
 - PPP 2
 - PPP LOD
 - 8" Centerline
 - ▨ 8" Pipeline Maintenance Corridor
 - Stations
 - ~ Ephemeral Stream
 - ~ Intermittent Stream
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 - ▨ Pond
 - ▨ PEM Wetland
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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

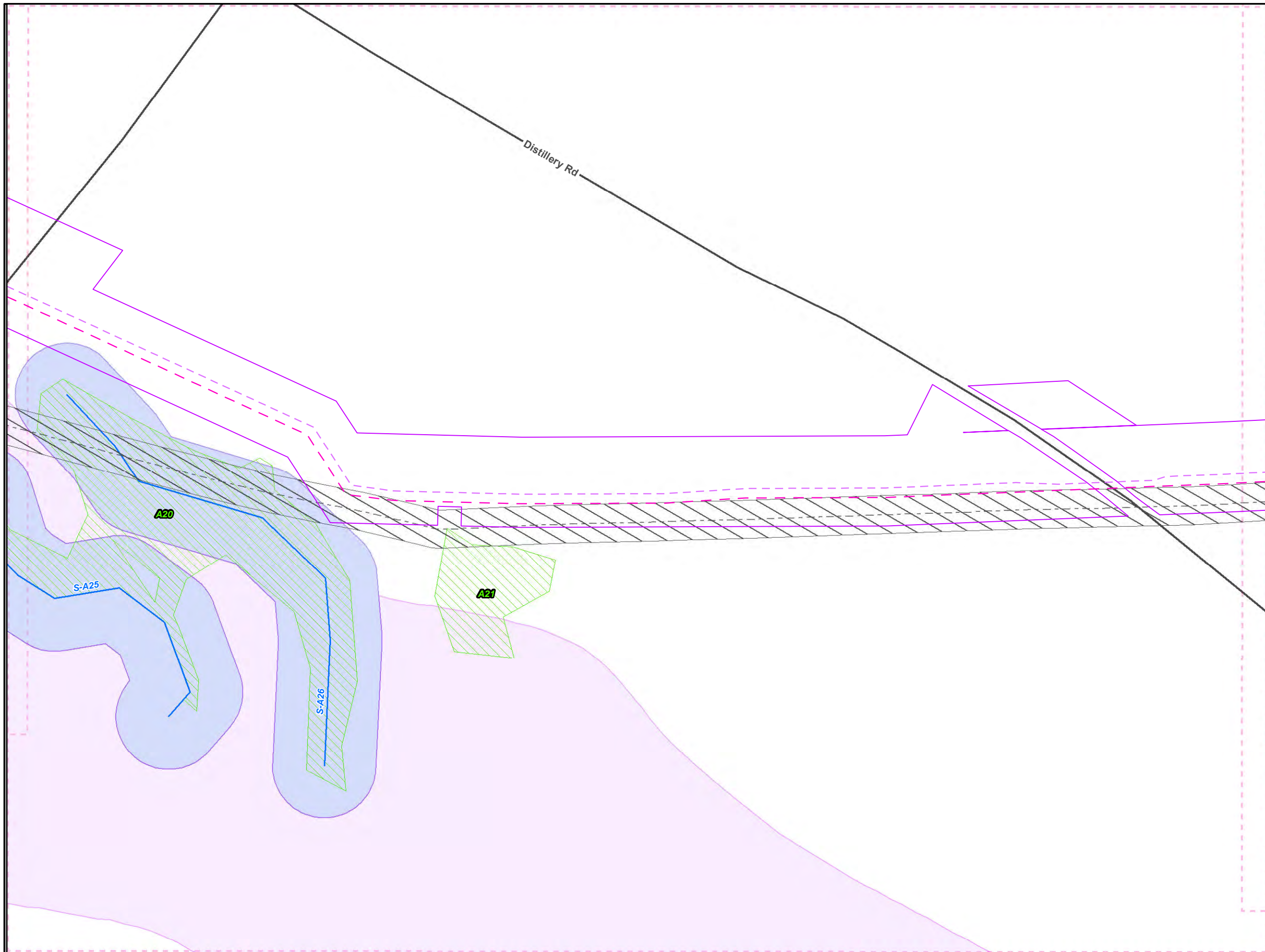


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
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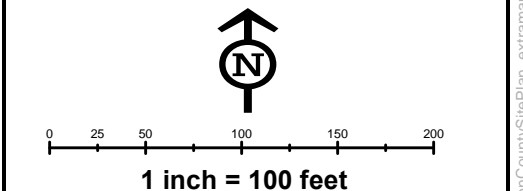
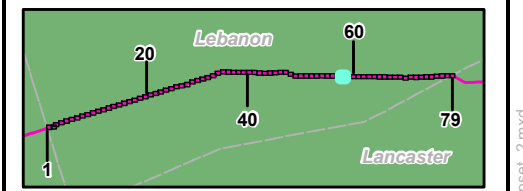
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| Prepared By: TETRA TECH | Date: 11/2016 |
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- Legend**
- PPP 1
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 - ▣ Ch. 106 Floodplain Fringe
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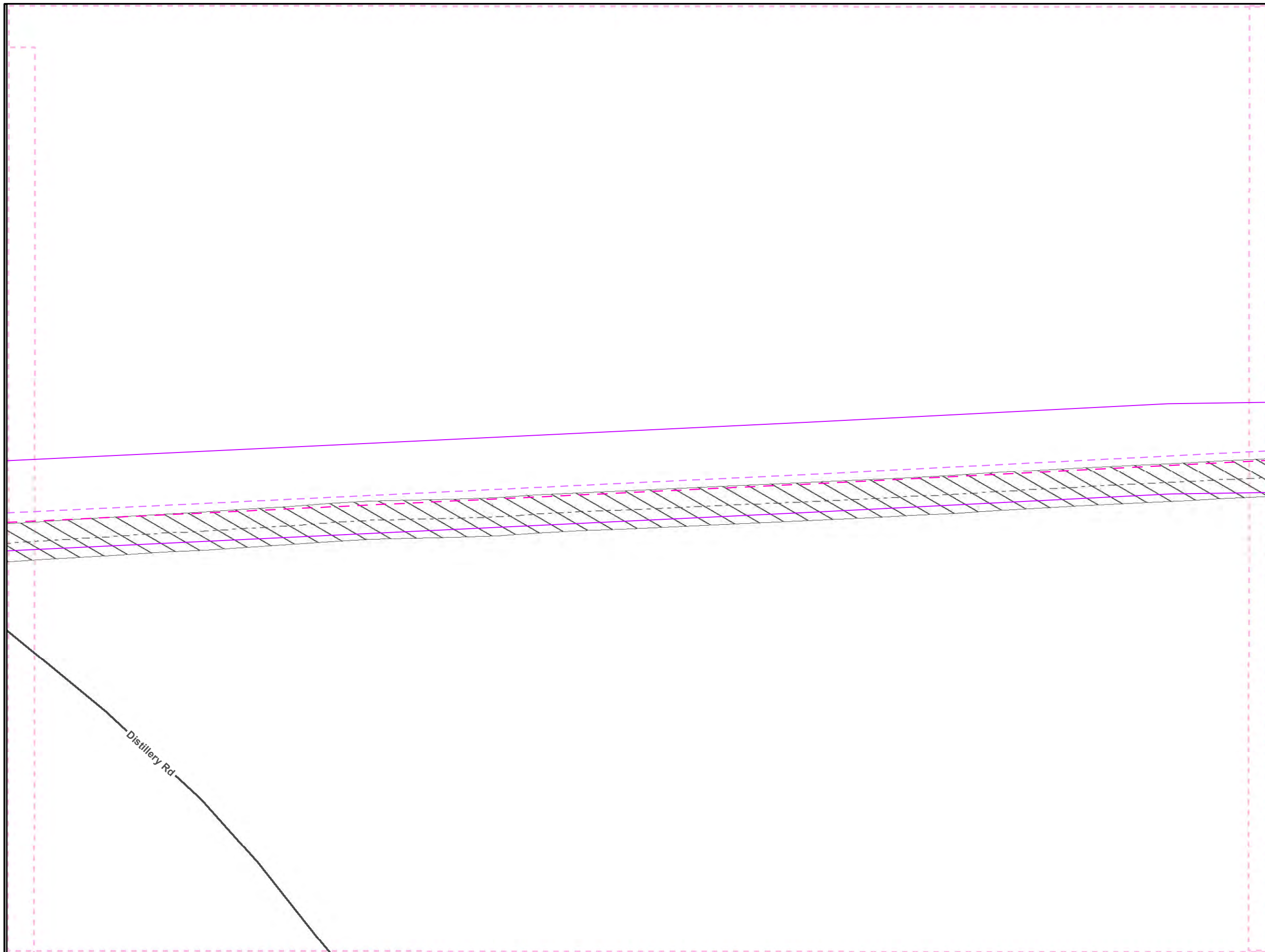


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
58 of 79

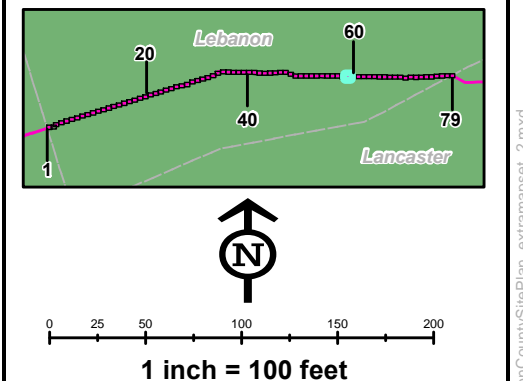
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| Prepared By: TETRA TECH | Date: 11/2016 |
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- Legend**
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 - ▣ Ch. 106 Floodplain Fringe
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 - Sheet Boundary

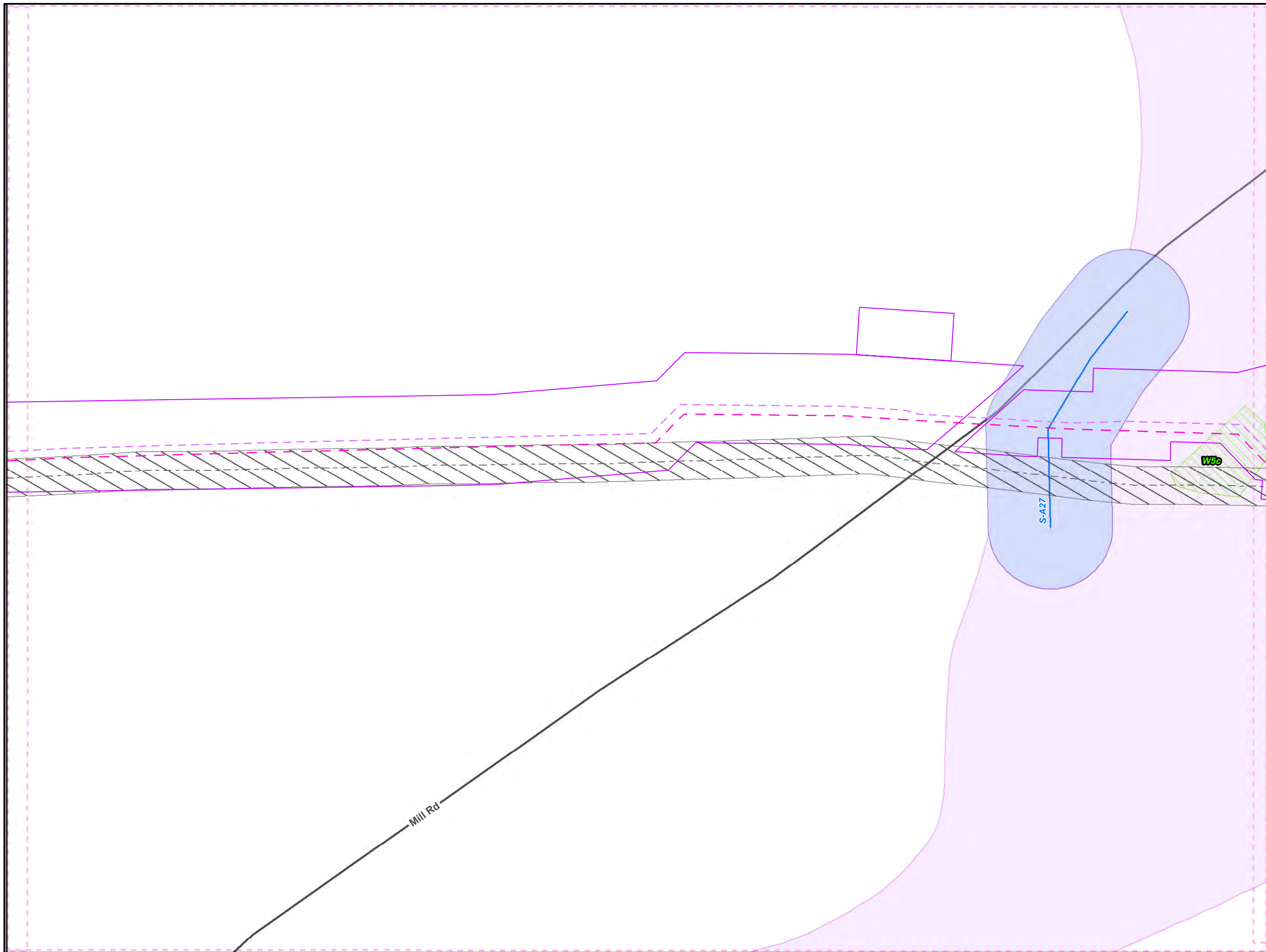


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
59 of 79**

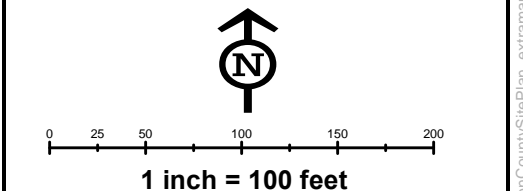
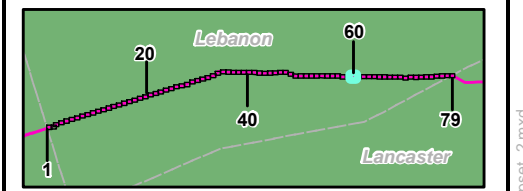
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|-------------------------|--------------------------------|
| Prepared By: | Date: 11/2016 |
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- Legend**
- PPP 1
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 - ▨ 8" Pipeline Maintenance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

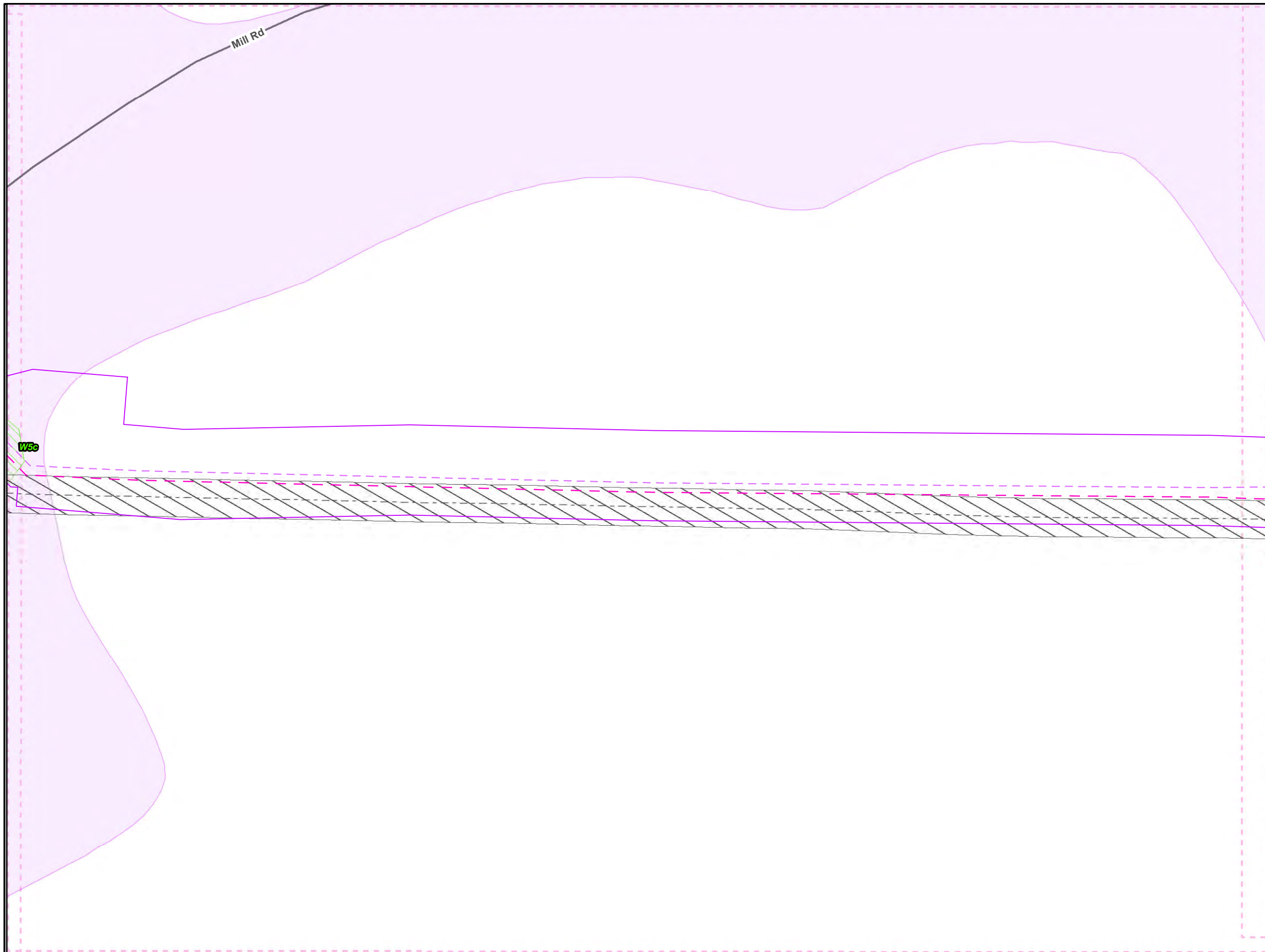


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
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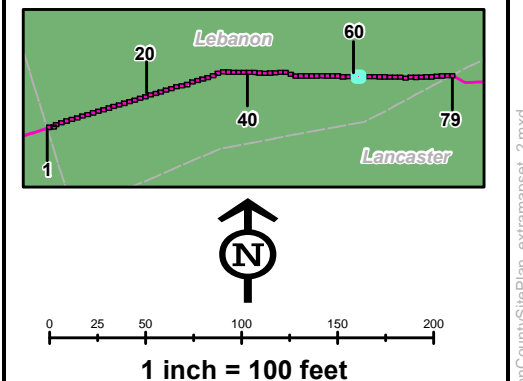
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| Prepared By:  | Date: 11/2016 |
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- Legend**
- PPP 1
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 - 8" Centerline
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 - ~ Ch. 105 Floodways
 - ~ Waived Ch. 105 Floodways
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 - Sheet Boundary

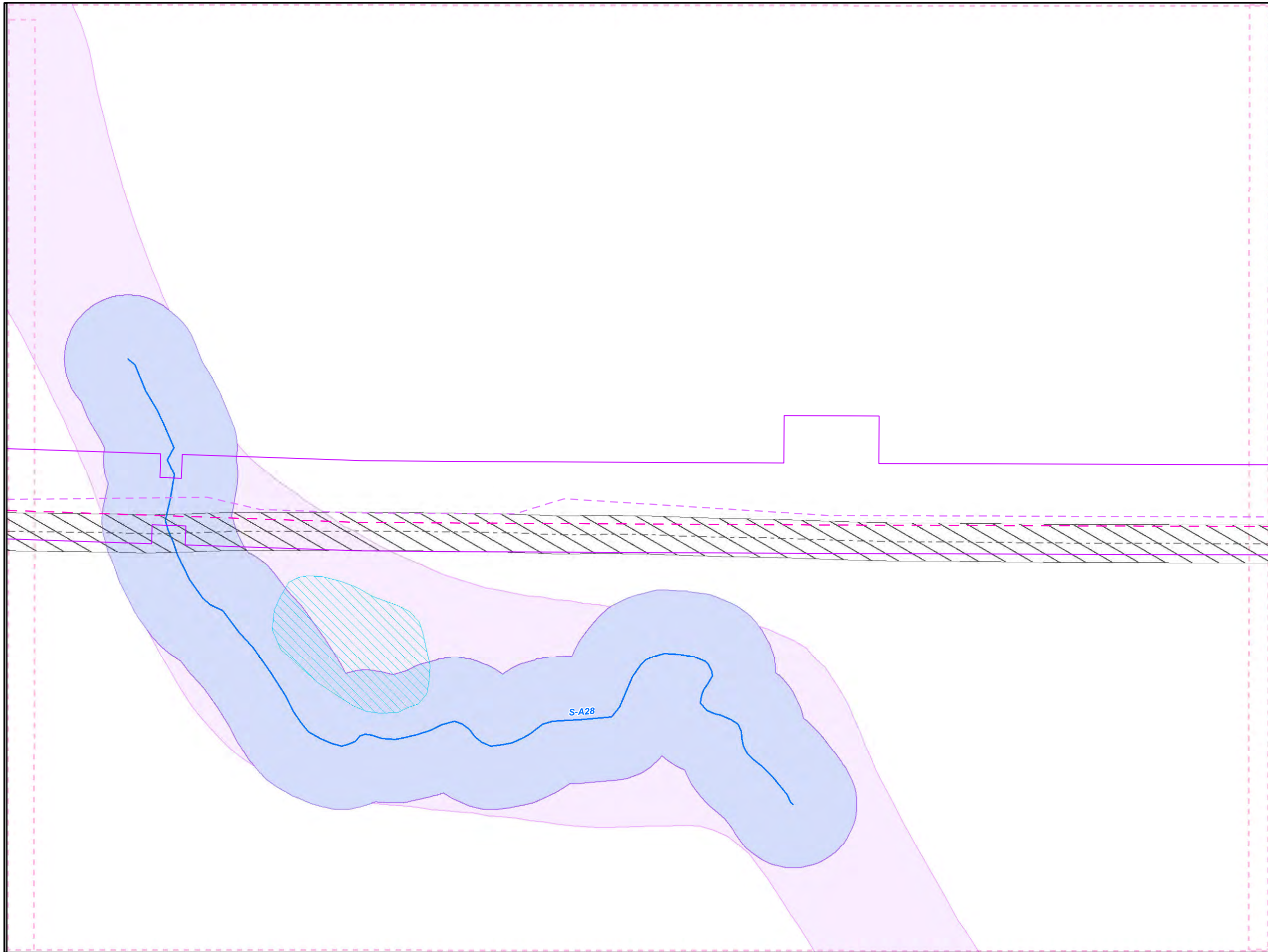


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
61 of 79**

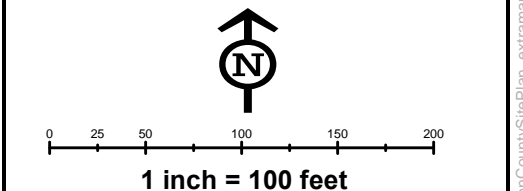
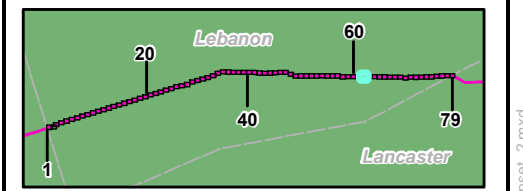
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| Prepared By: | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
Coordinate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

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- Legend**
- PPP 1
 - PPP 2
 - PPP LOD
 - 8" Centerline
 - ▨ 8" Pipeline Maintenance Corridor
 - 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

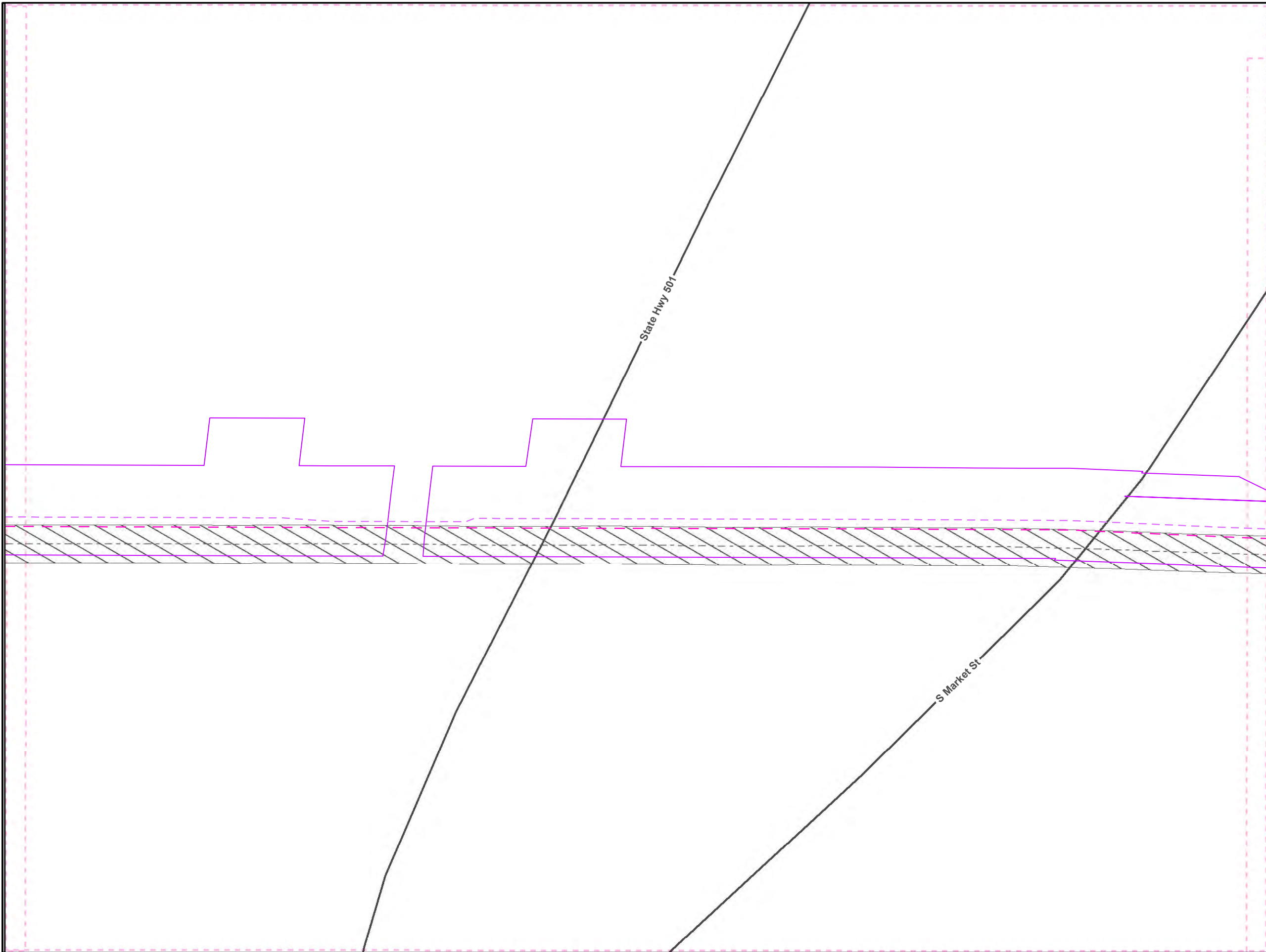


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
62 of 79**

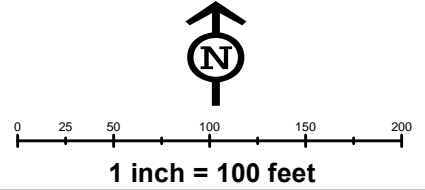
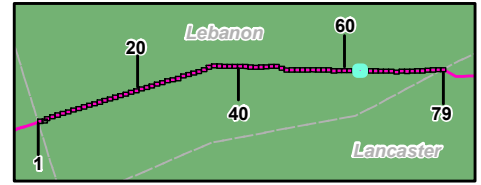
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| Prepared By:  | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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-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

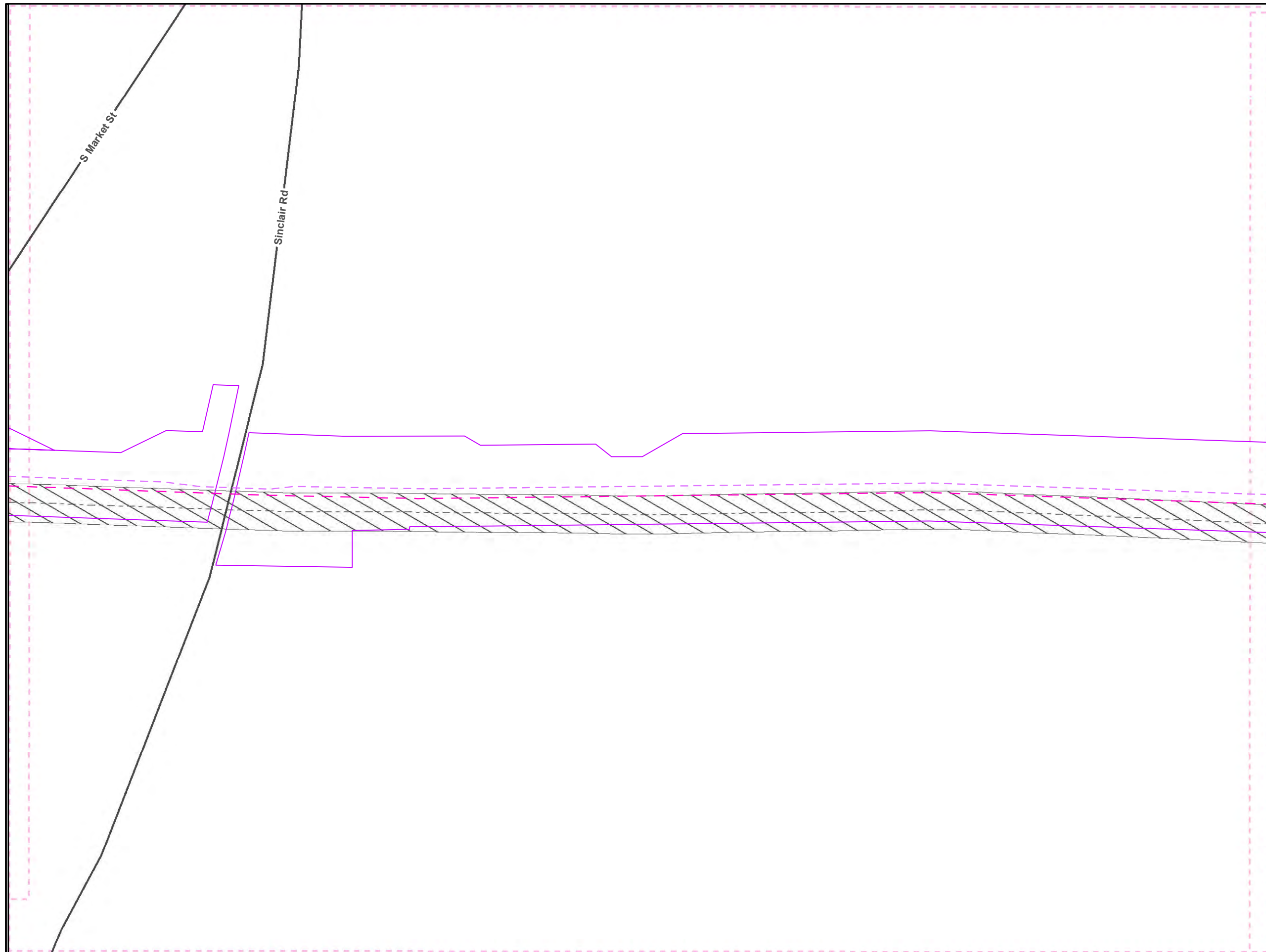


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
63 of 79**

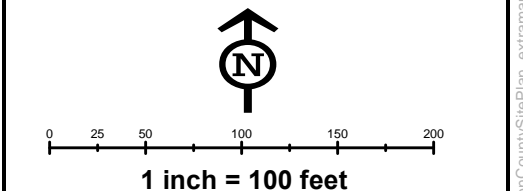
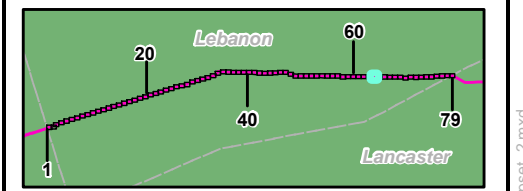
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| Prepared By: TETRA TECH | Date: 11/2016 |
|--|--------------------------------|

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
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 - ▨ 8" Pipeline Maintenance Corridor
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 - ~ Ephemeral Stream
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 - ▣ Ch. 105 Floodways
 - ▣ Waived Ch. 105 Floodways
 - ▣ Ch. 106 Floodplain Fringe
 - Roads
 - - - Sheet Boundary

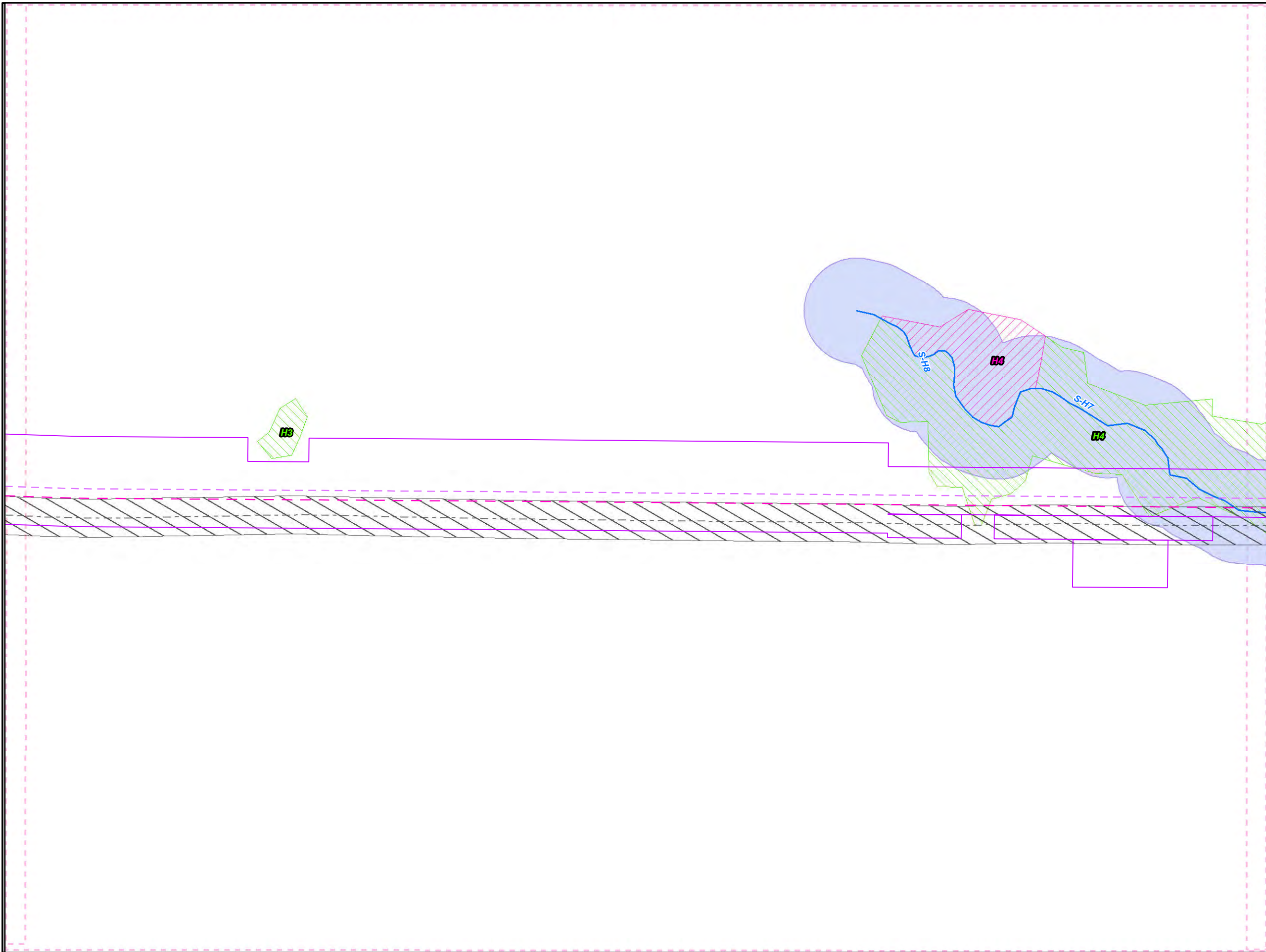


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline
Lebanon County, PA.
64 of 79**

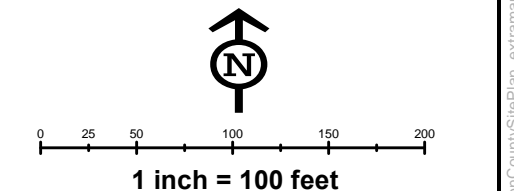
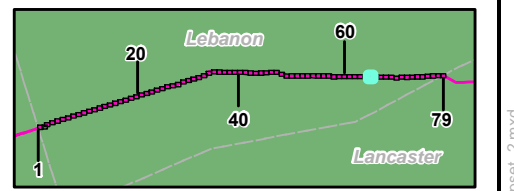
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| Prepared By:  | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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- Legend**
- PPP 1
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 - Stations
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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

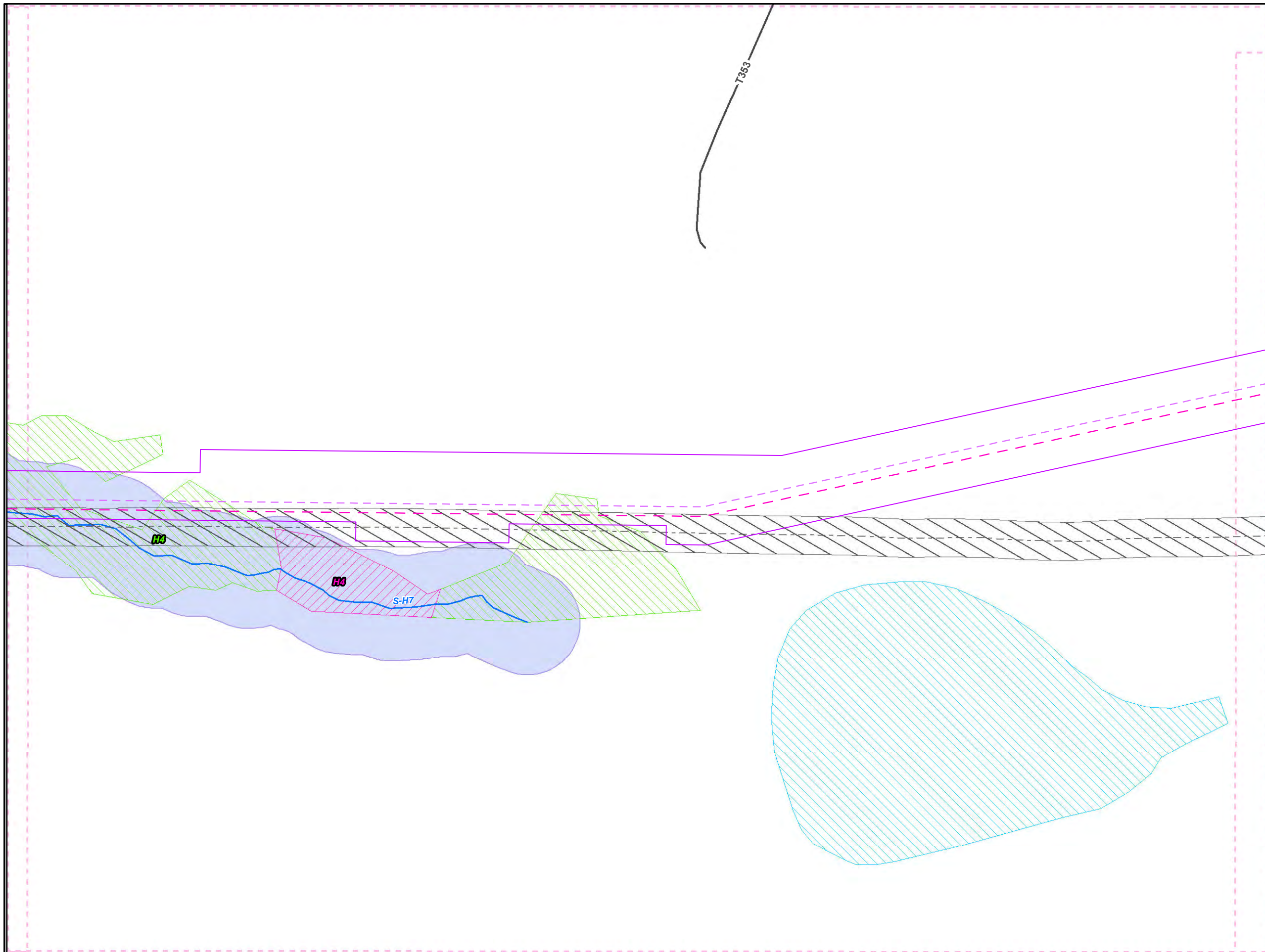


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
65 of 79**

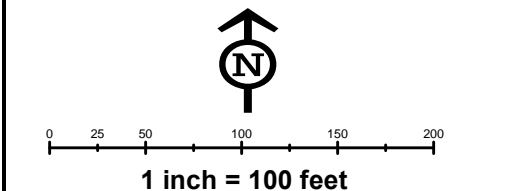
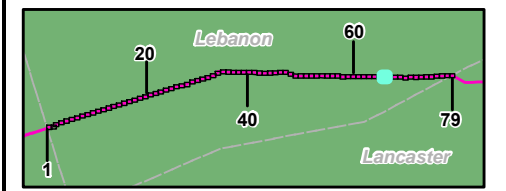
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| Prepared By: | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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-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

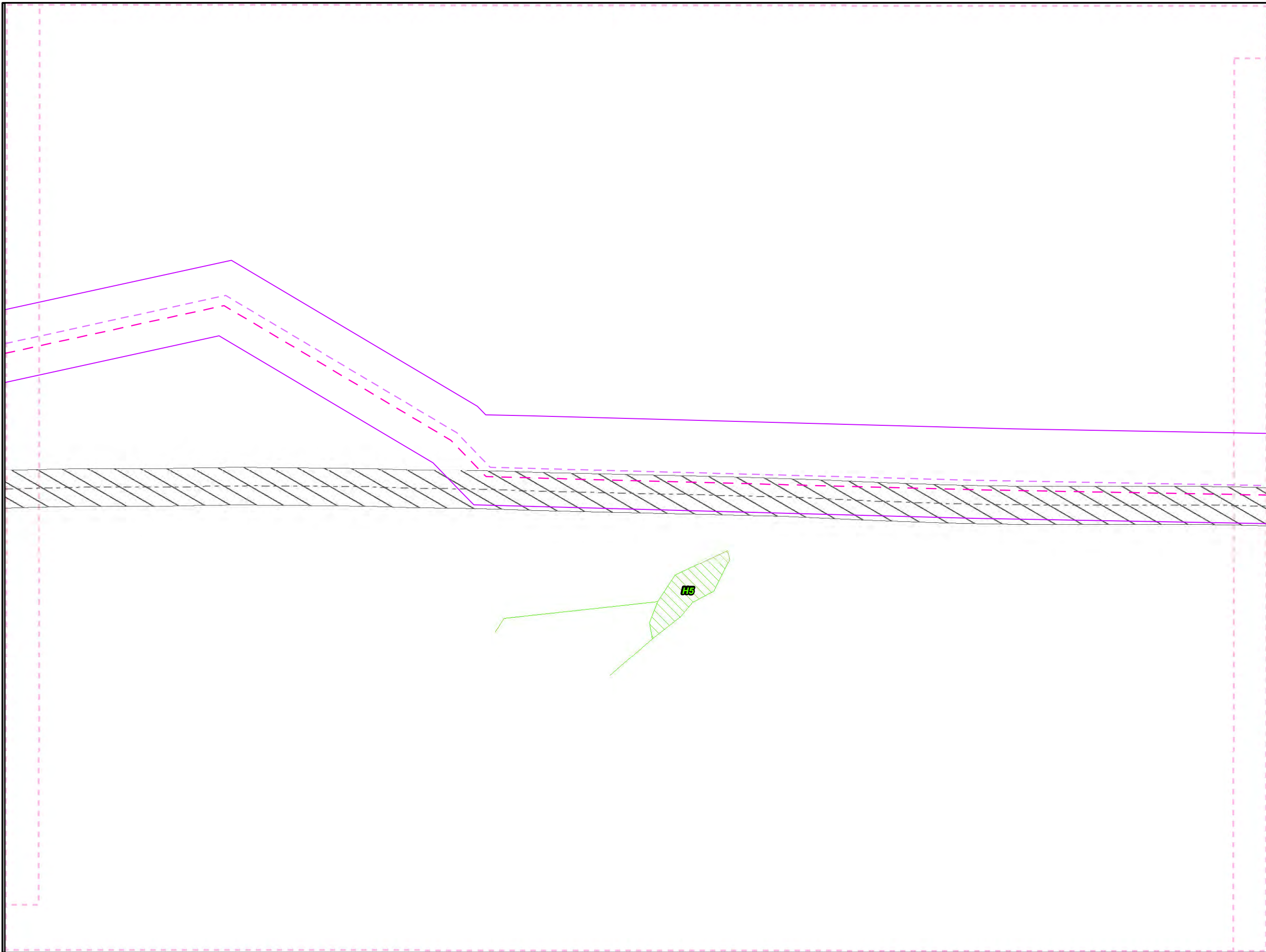


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
66 of 79**

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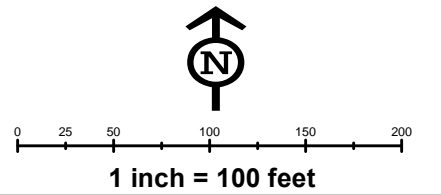
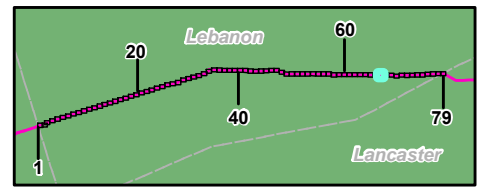
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
Coordinate System: NAD 83 Stateplane, PA South, Feet

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Legend

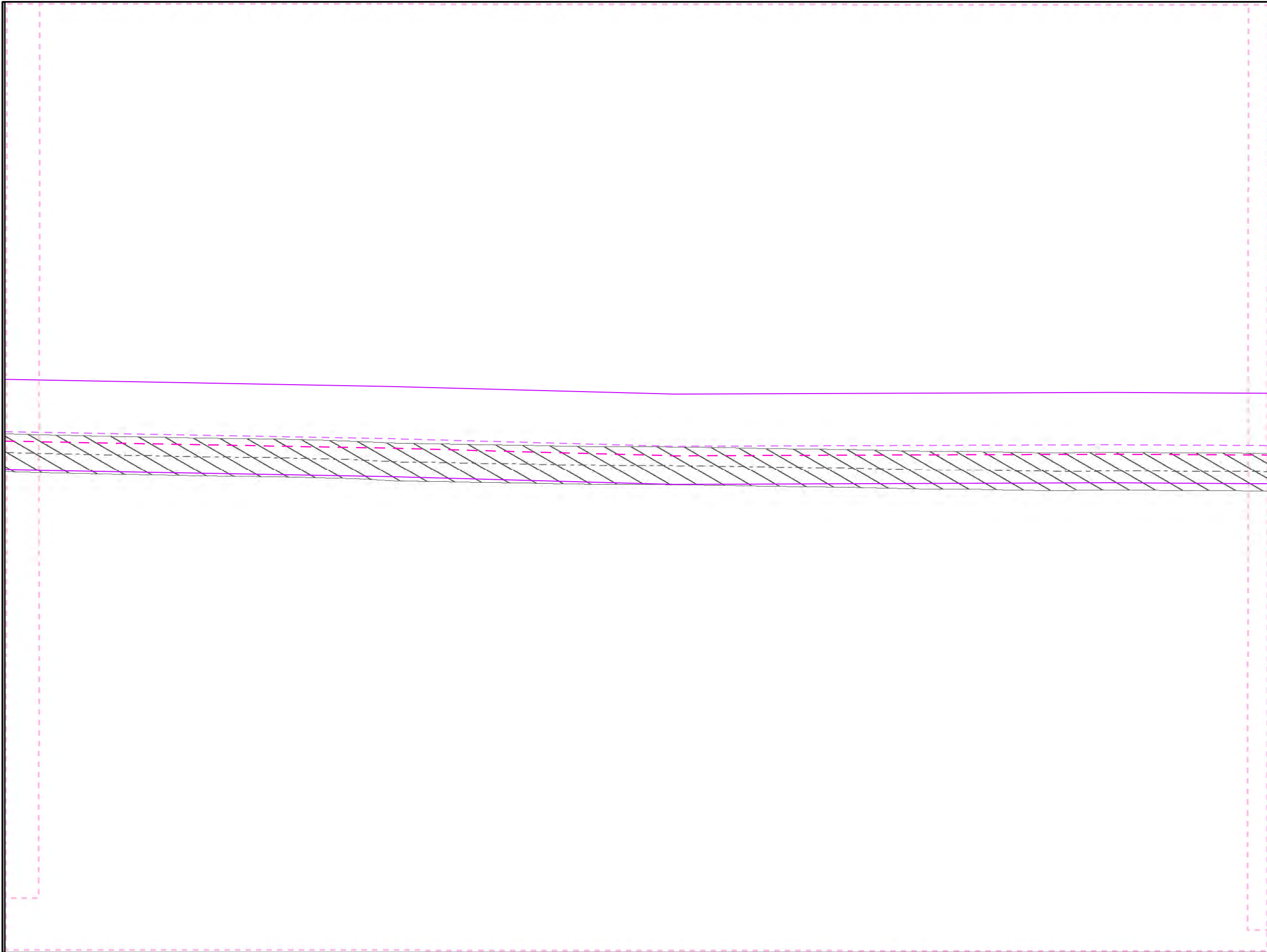
- PPP 1
- PPP 2
- PPP LOD
- - - 8" Centerline
- 8" Pipeline Maintenance Corridor
- Stations
- ~ ~ ~ Ephemeral Stream
- · - · - Intermittent Stream
- ~ ~ ~ Perennial Stream
- Pond
- PEM Wetland
- PFO Wetland
- PSS Wetland
- Ch. 105 Floodways
- Waived Ch. 105 Floodways
- Ch. 106 Floodplain Fringe
- Roads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





















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

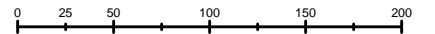
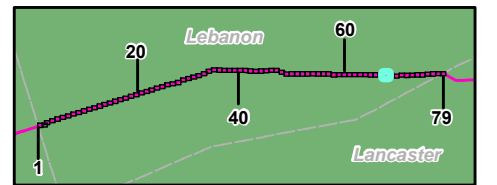
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| Prepared By: | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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Legend

-  PPP 1
-  PPP 2
-  PPP LOD
-  8" Centerline
-  8" Pipeline Maintenance Corridor
-  Stations
-  Ephemeral Stream
-  Intermittent Stream
-  Perennial Stream
-  Pond
-  PEM Wetland
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-  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
Lebanon County, PA.
68 of 79**

Prepared By:

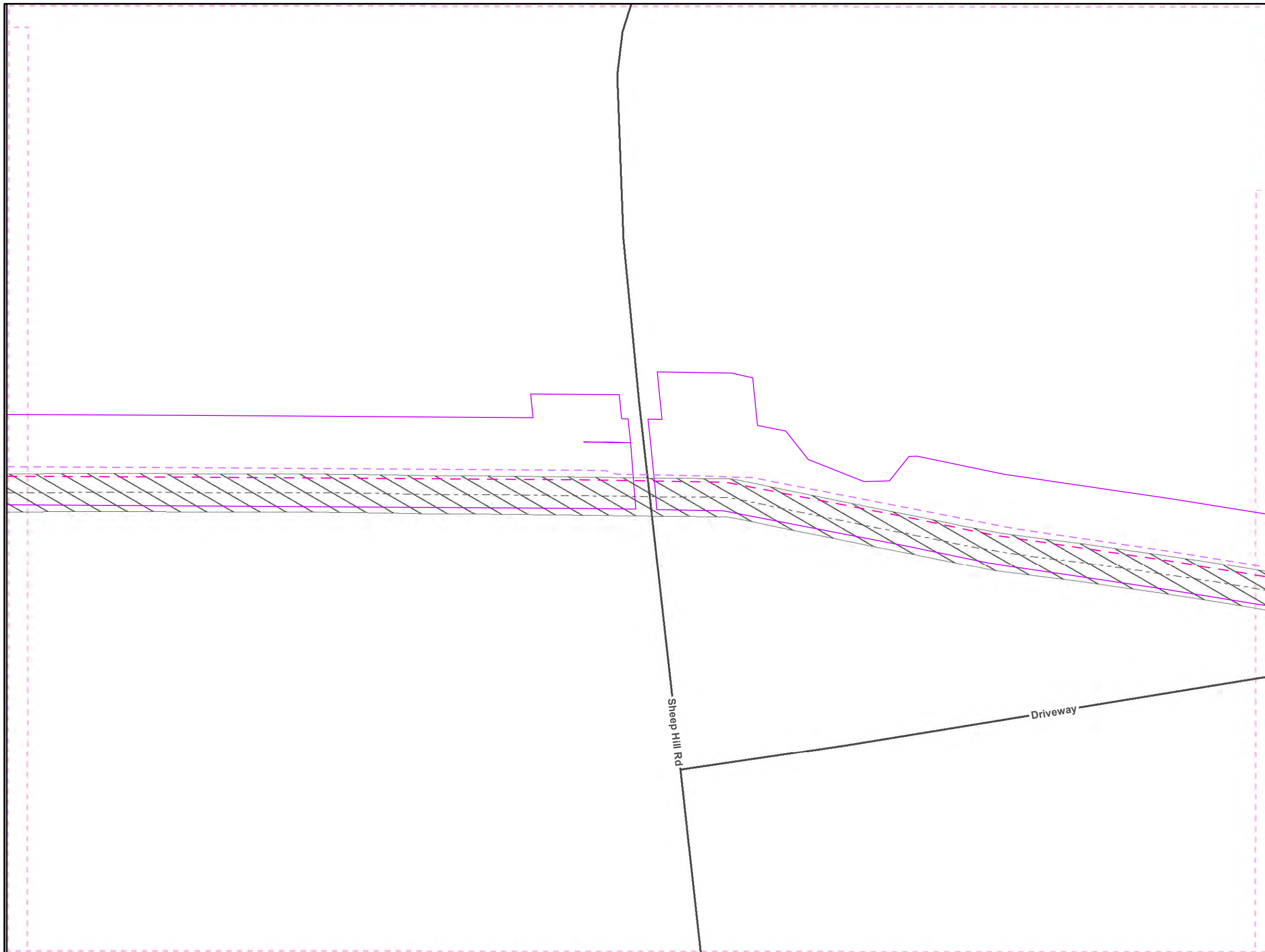


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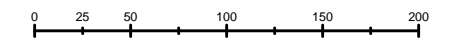
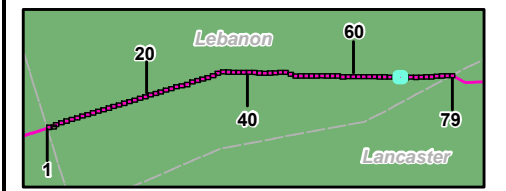
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.

Coordinate System: NAD 83 Stateplane, PA South, Feet



- 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
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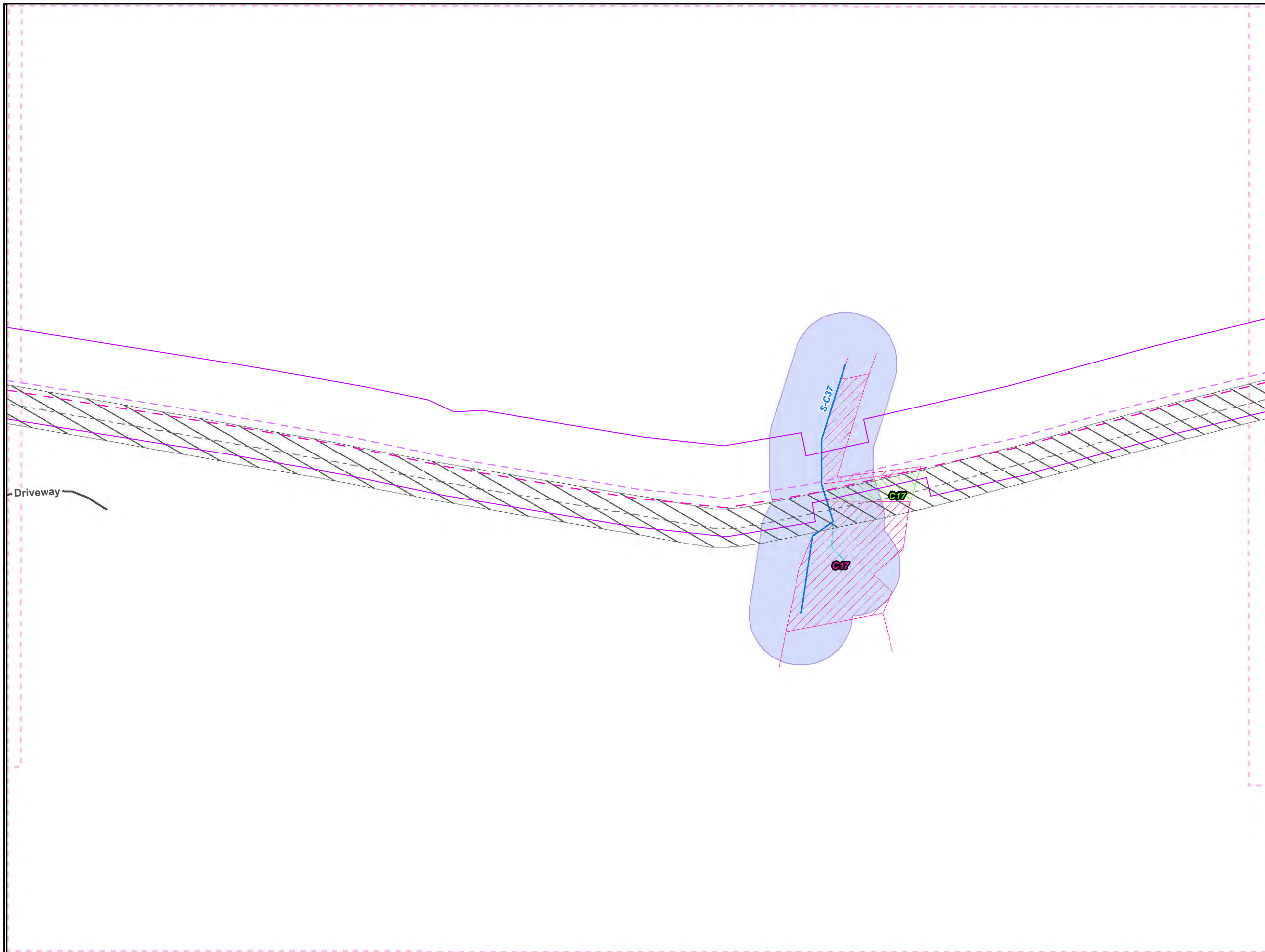
1 inch = 100 feet

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

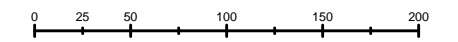
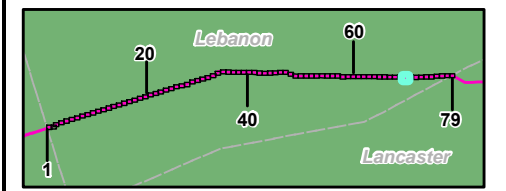
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| Prepared By: | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
Coordinate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

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- Legend**
- PPP 1
 - PPP 2
 - PPP LOD
 - 8" Centerline
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 - ~ Ephemeral Stream
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 - ▨ PSS Wetland
 - ▨ Ch. 105 Floodways
 - ▨ Waived Ch. 105 Floodways
 - ▨ Ch. 106 Floodplain Fringe
 - Roads
 - - - Sheet Boundary



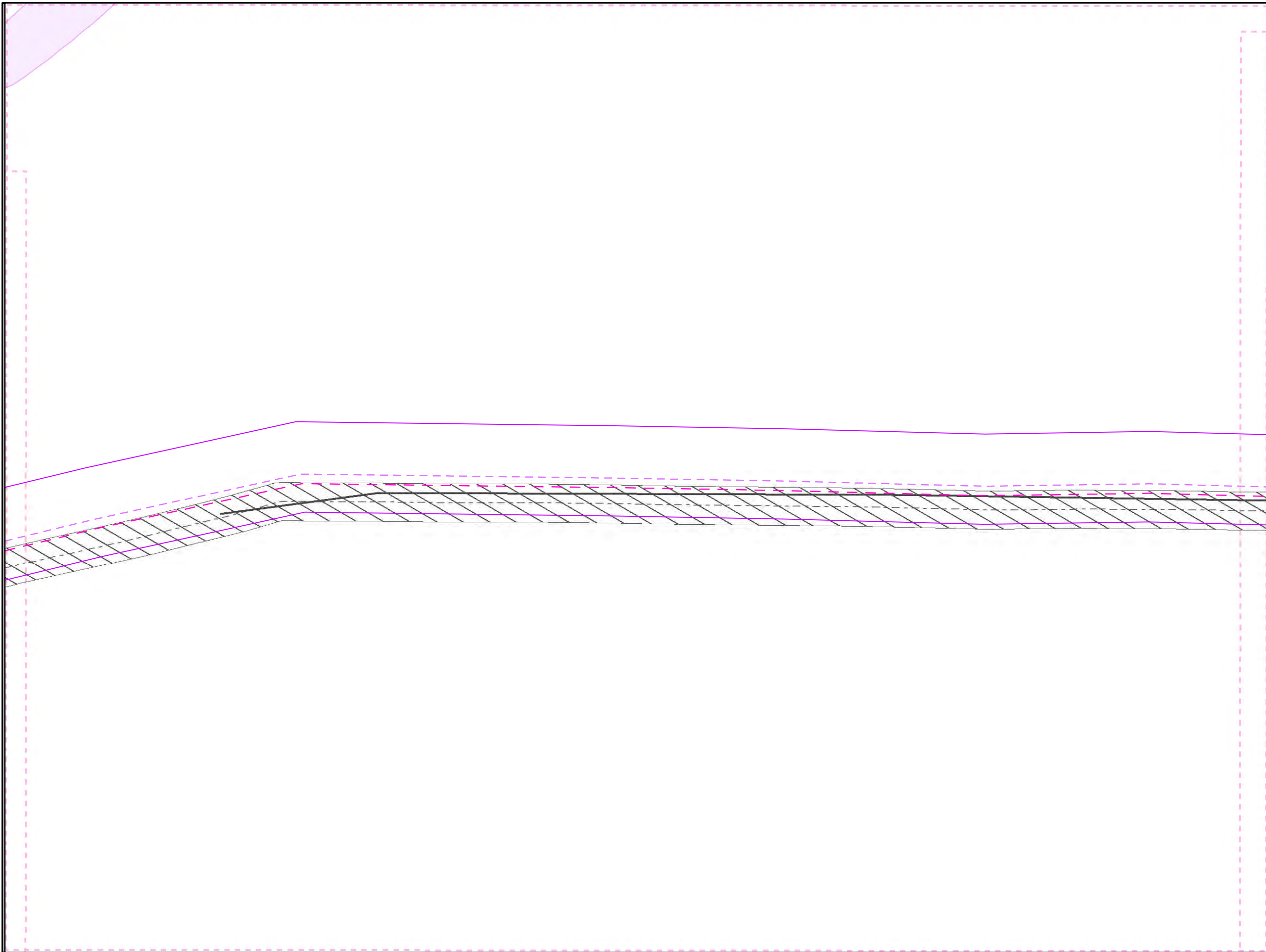
1 inch = 100 feet

ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
70 of 79

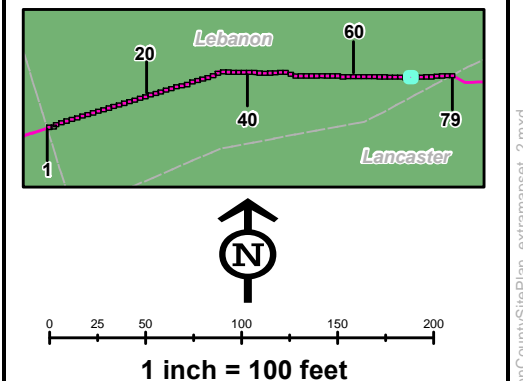
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- Legend**
- PPP 1
 - PPP 2
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 - ⊞ Waived Ch. 105 Floodways
 - ⊞ Ch. 106 Floodplain Fringe
 - Roads
 - ⋮ Sheet Boundary

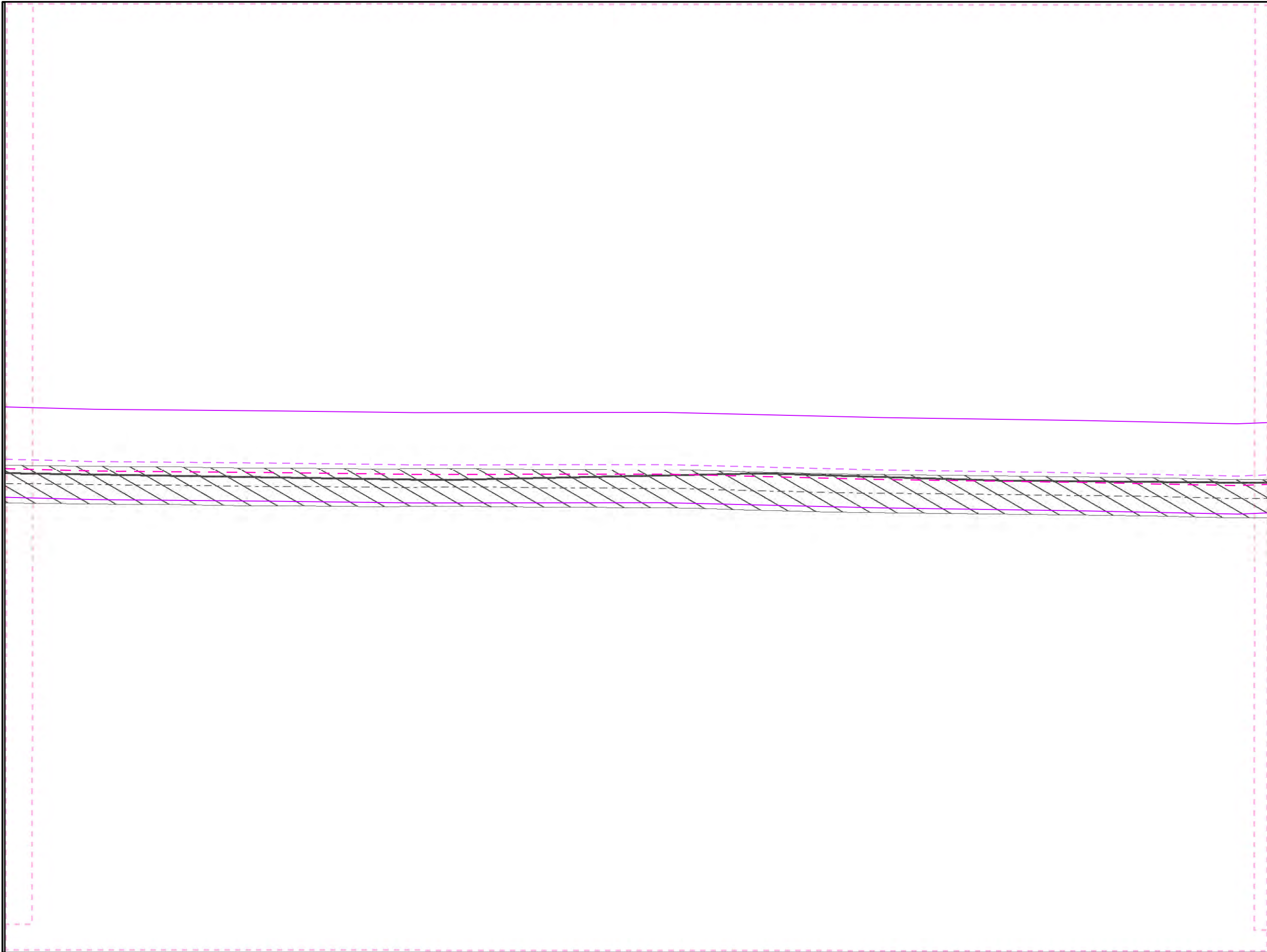


**ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline
Lebanon County, PA.
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| Prepared By:  | Date: 11/2016 |
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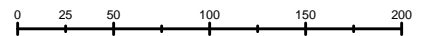
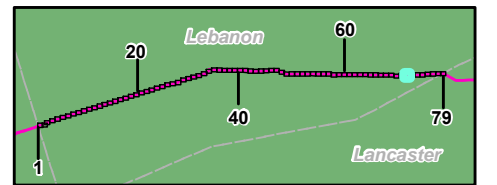
Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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Legend

-  PPP 1
-  PPP 2
-  PPP LOD
-  8" Centerline
-  8" Pipeline Maintenance Corridor
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-  Ch. 106 Floodplain Fringe
-  Roads
-  Sheet Boundary



1 inch = 100 feet

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

Prepared By:

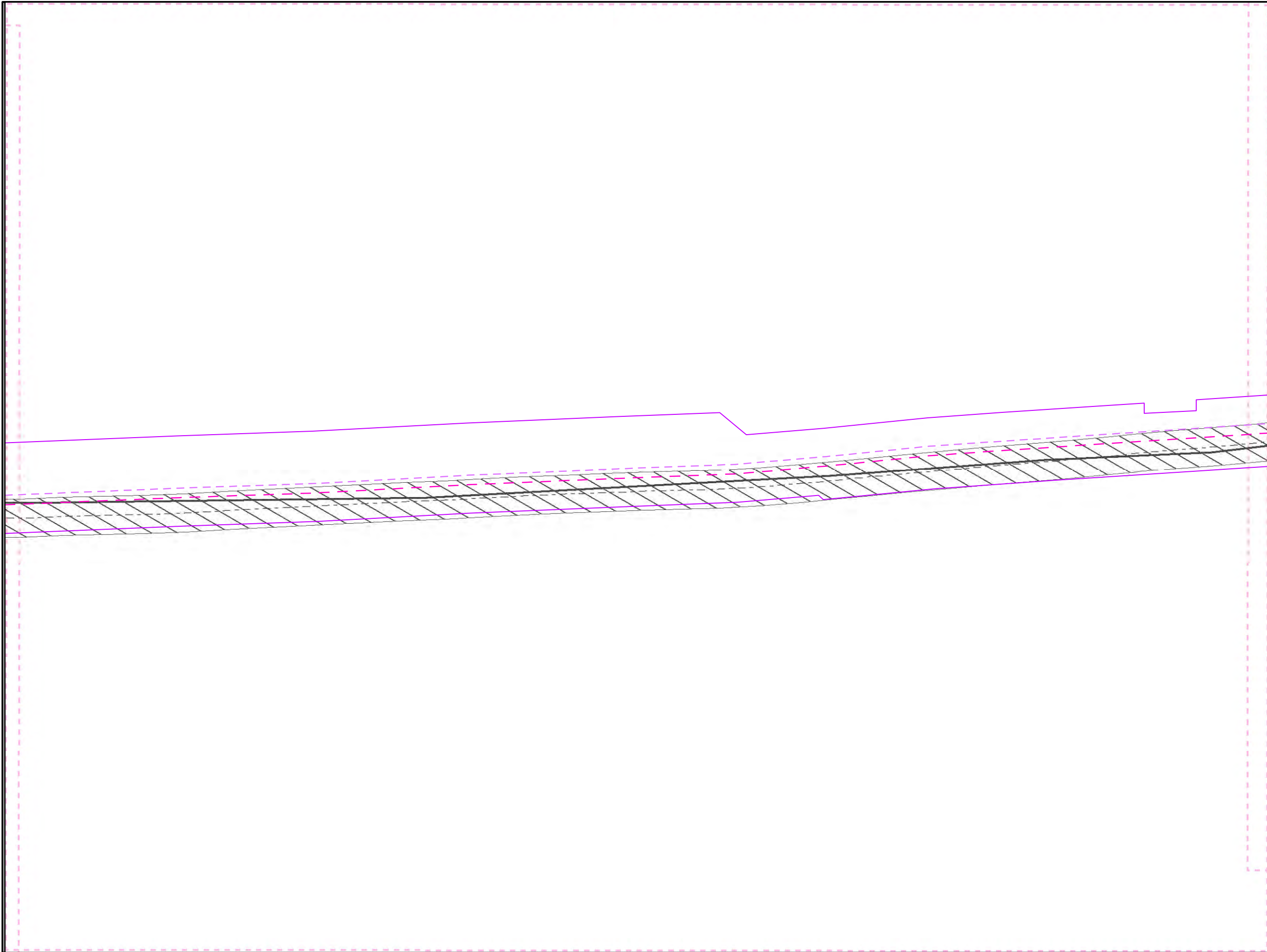


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11/2016

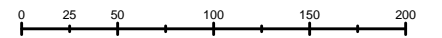
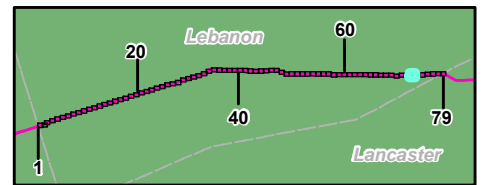
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Coordinate System: NAD 83 Stateplane, PA South, Feet



Legend

- PPP 1
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- ⊗ Ch. 106 Floodplain Fringe
- Roads
- Sheet Boundary



1 inch = 100 feet

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

Prepared By:

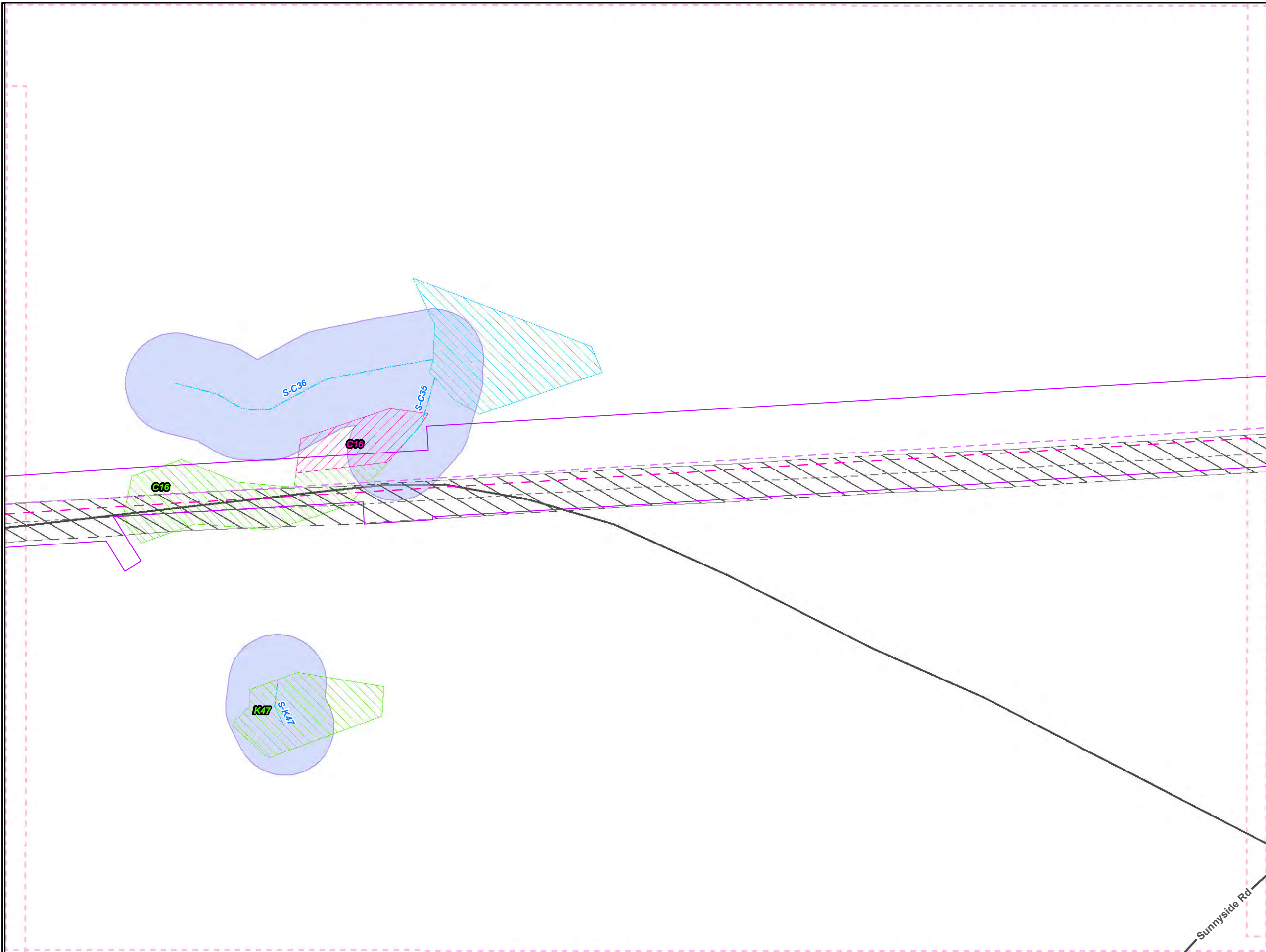


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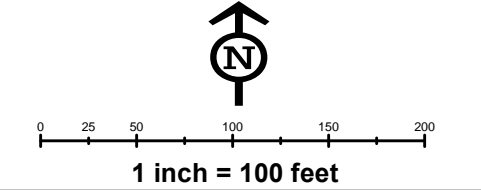
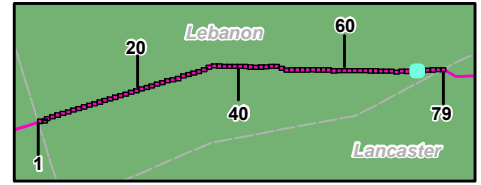
11/2016

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- Legend**
- PPP 1
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 - ▨ Waived Ch. 105 Floodways
 - ▨ Ch. 106 Floodplain Fringe
 - Roads
 - Sheet Boundary

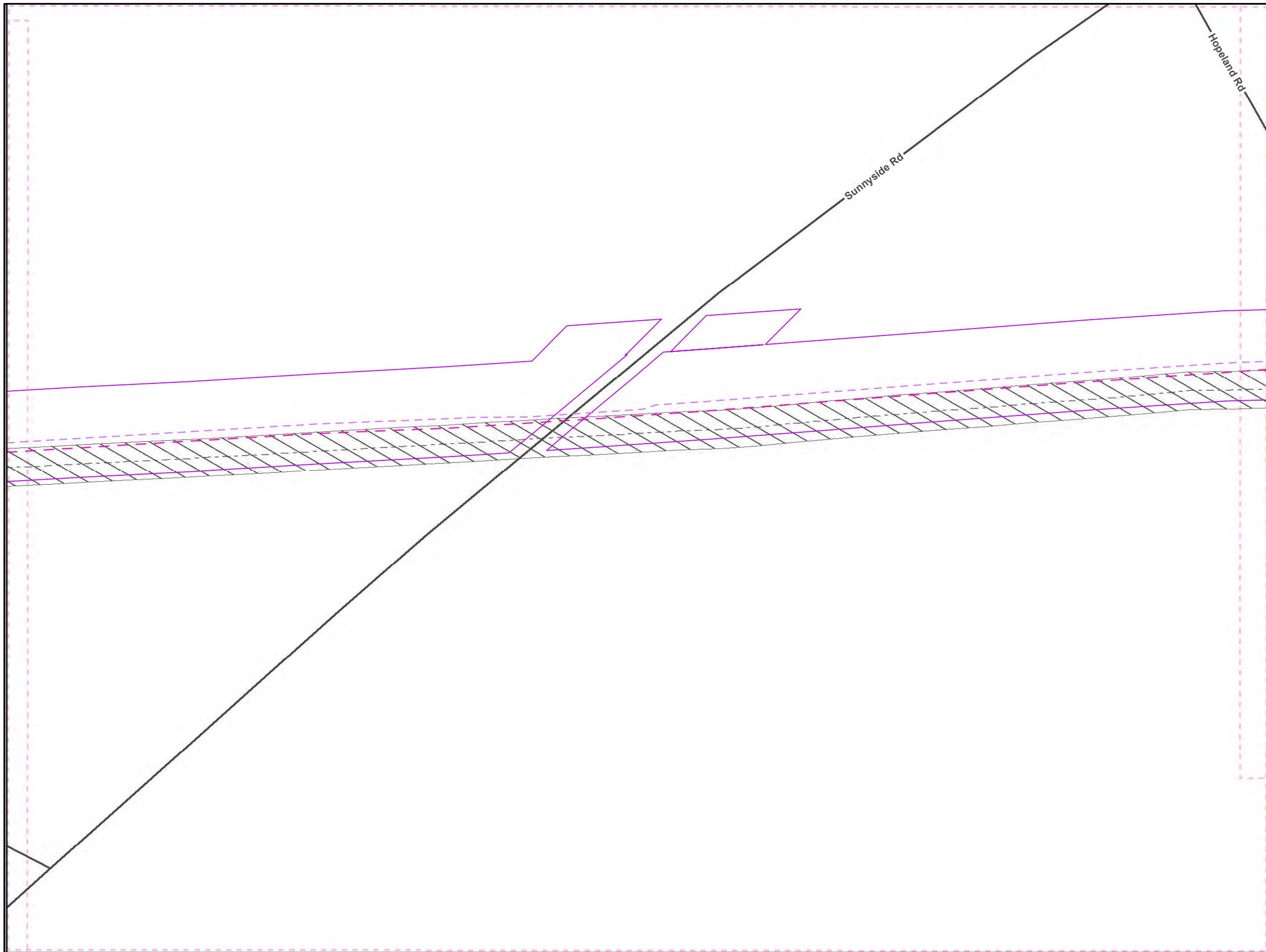


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
74 of 79**

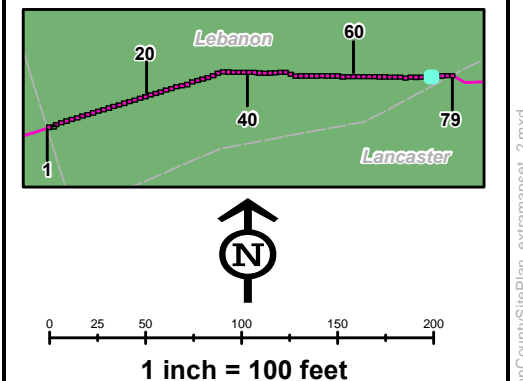
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| Prepared By: TETRA TECH | Date: 11/2016 |
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Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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- Legend**
- PPP 1
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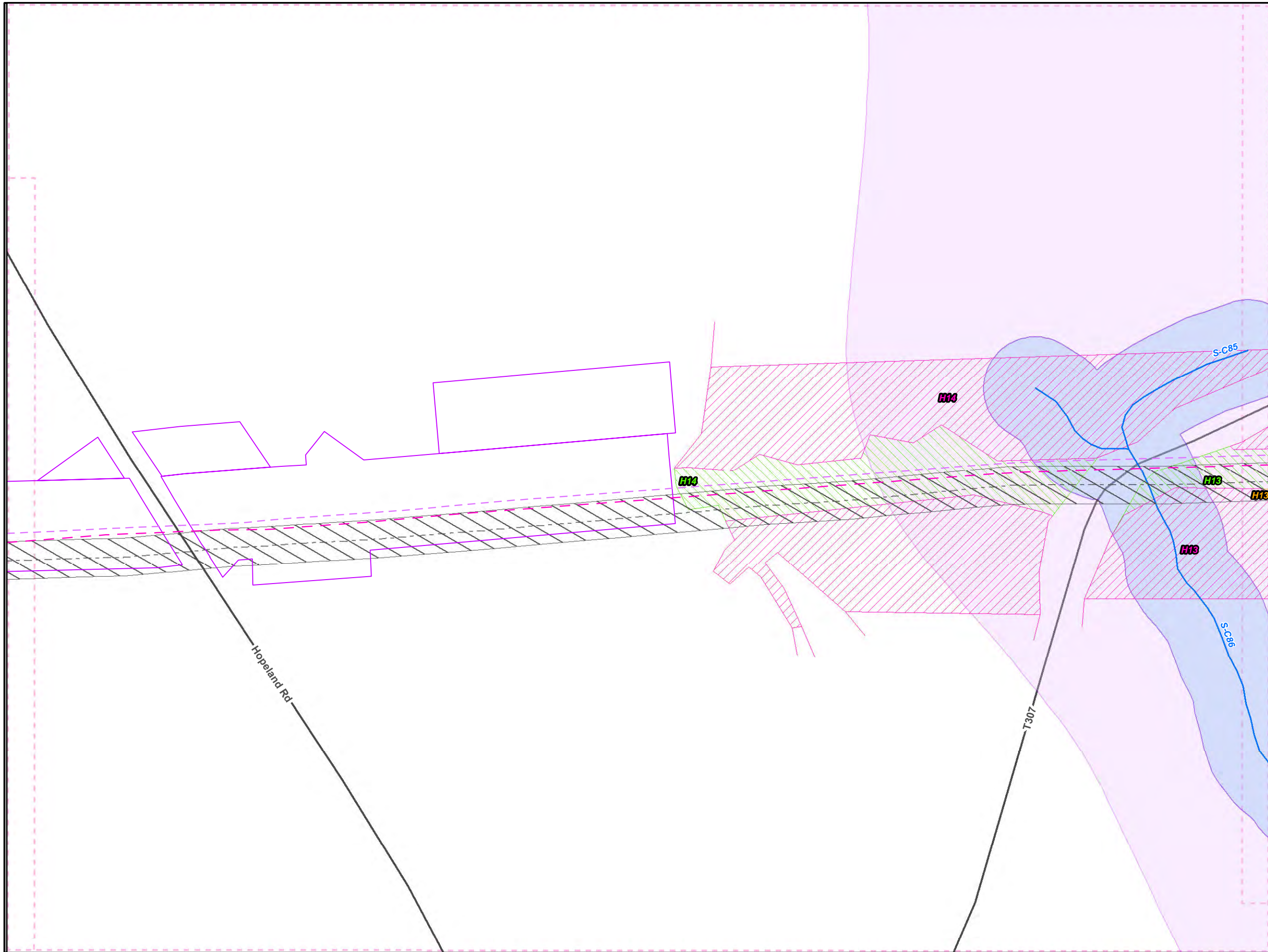


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
 75 of 79

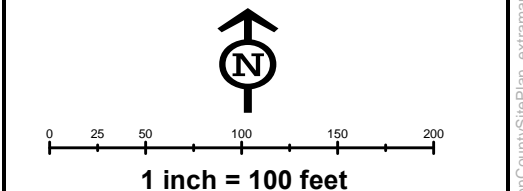
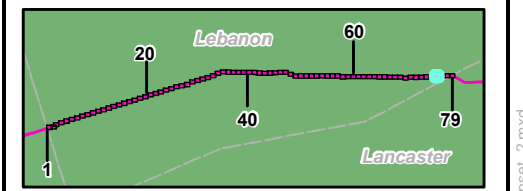
Prepared By: **TETRA TECH** **Date:** 11/2016

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
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 - PPP LOD
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 - ▨ Waived Ch. 105 Floodways
 - ▨ Ch. 106 Floodplain Fringe
 - Roads
 - - - Sheet Boundary

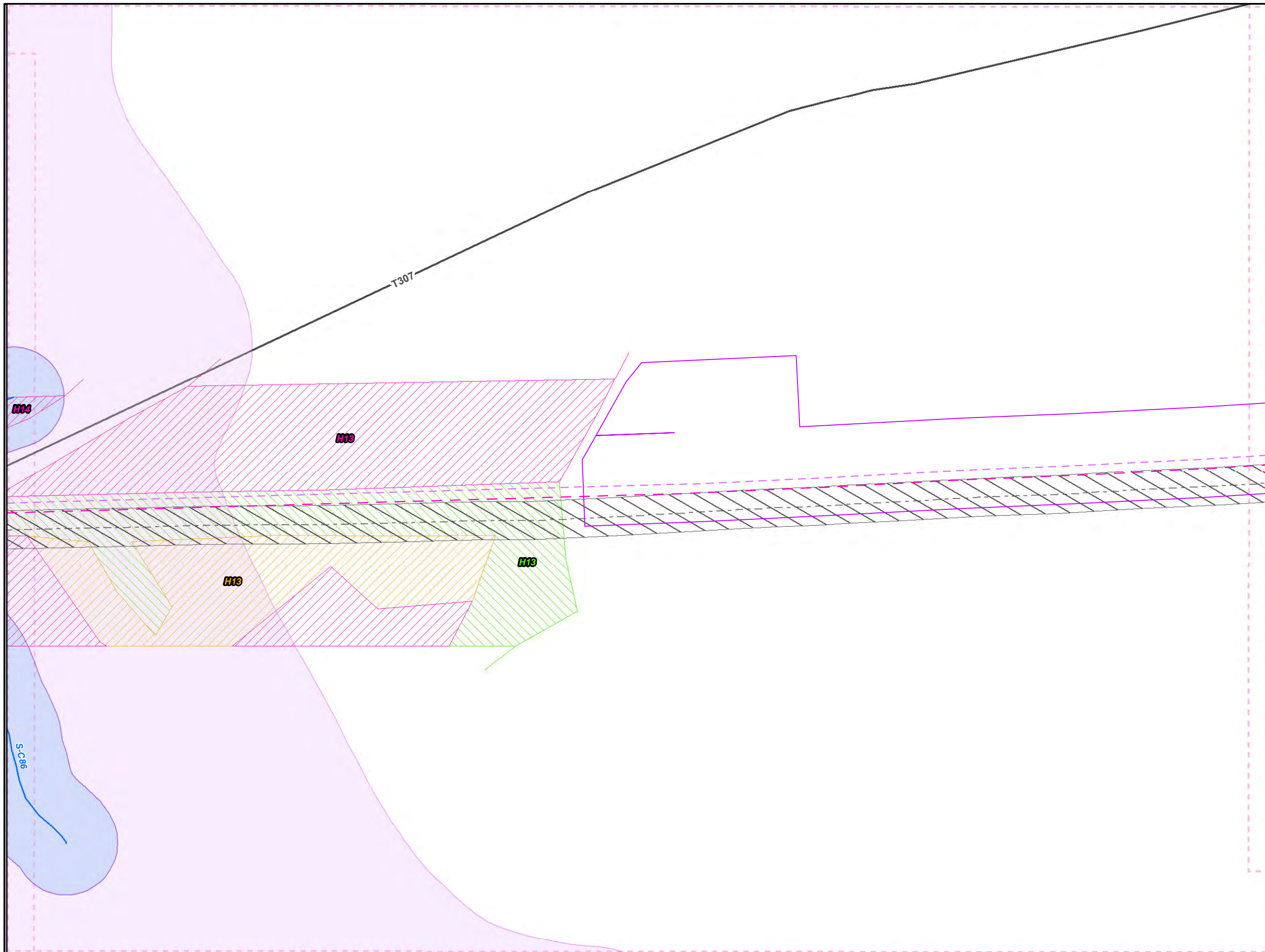


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
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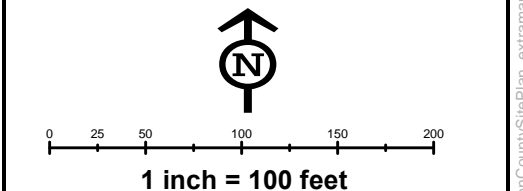
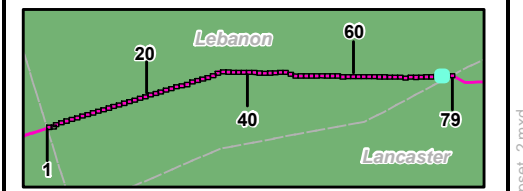
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|--------------|---------|
| Prepared By: | Date: |
| TETRA TECH | 11/2016 |

Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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
 - ▣ 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

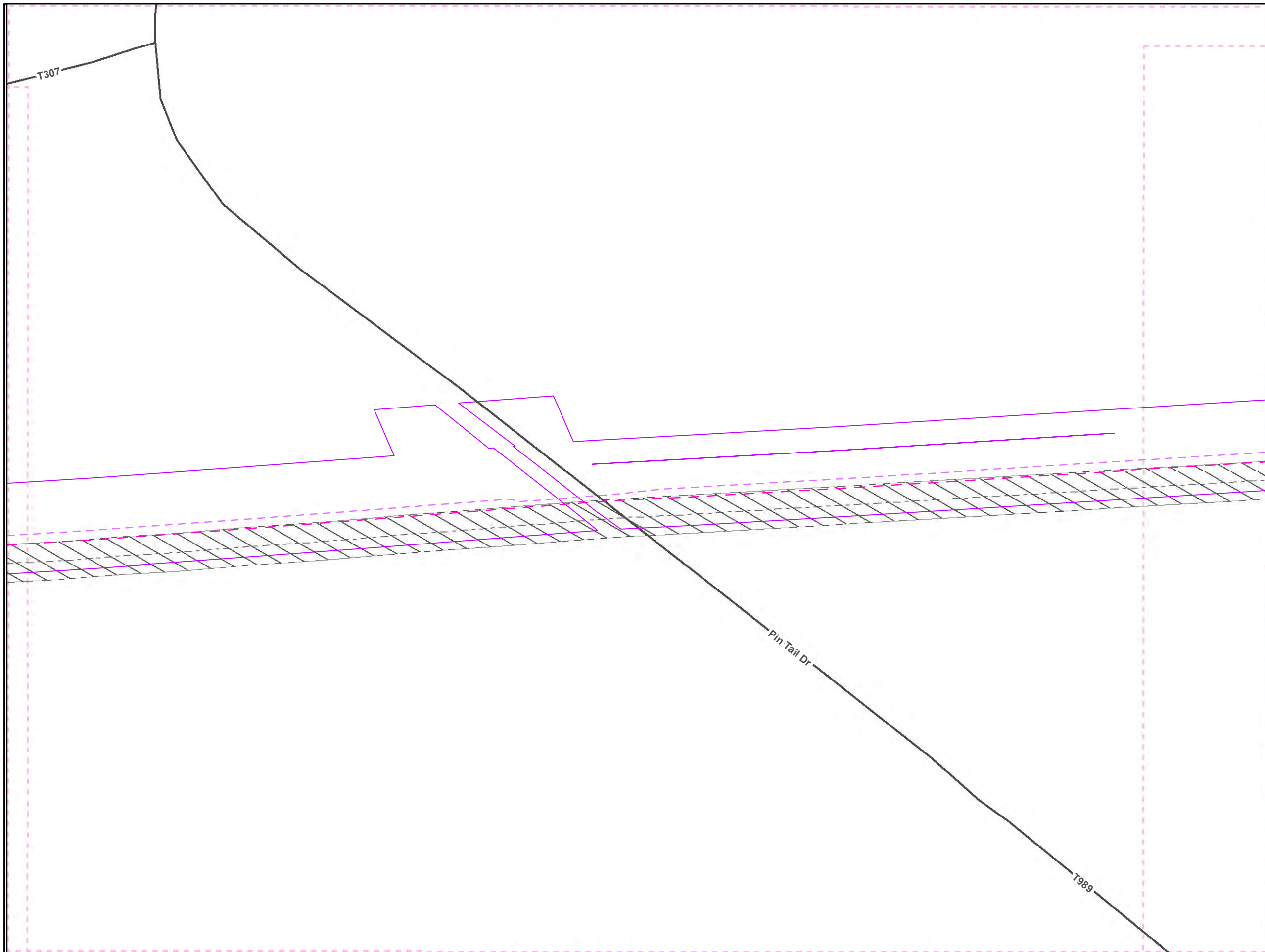


**ME1 8" and 12" Overlap with the
Proposed Pennsylvania Pipeline
Lebanon County, PA.
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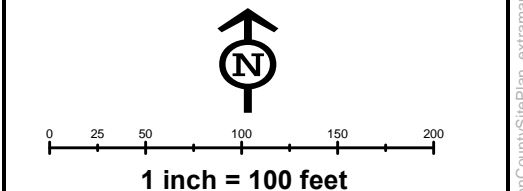
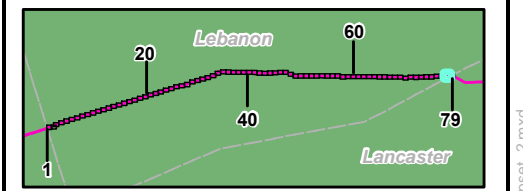
| | |
|-------------------------|--------------------------------|
| Prepared By: | Date: 11/2016 |
|-------------------------|--------------------------------|

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
 - ▣ 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

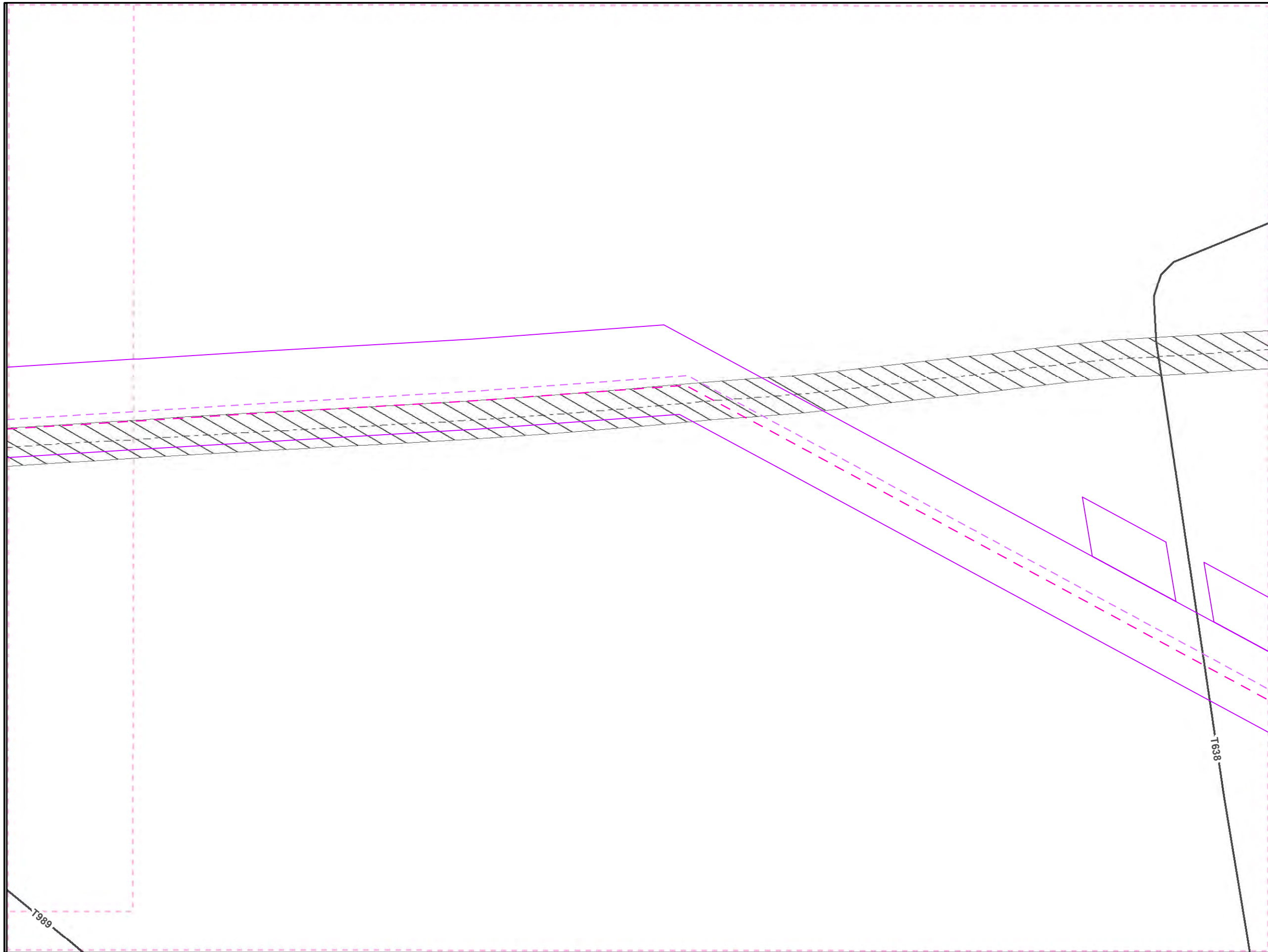


ME1 8" and 12" Overlap with the Proposed Pennsylvania Pipeline Lebanon County, PA.
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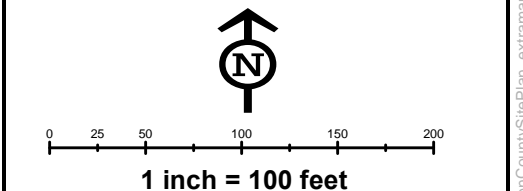
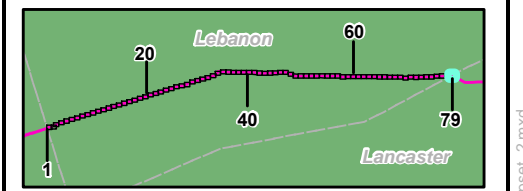
| | |
|-----------------------------------|-------------------------|
| Prepared By: TETRA TECH | Date: 11/2016 |
|-----------------------------------|-------------------------|

Base Map: ESRI ArcGIS Online, Roads from NRCS Geospatial Data Giveaway, 100-Year Floodplain from FEMA National Flood Hazard Layer, downloaded 09/2016.
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
 - ▣ 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
Lebanon County, PA.
79 of 79**

| | |
|-------------------------|--------------------------------|
| 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.
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