

**WETLAND AND WATERWAY IMPACT MAPPING
FOR USE BY THE U.S. ARMY CORPS OF ENGINEERS**
MAP SHEET 16 of 27
Pennsylvania Turnpike Commission
Full-Depth Roadway Reconstruction MP-A37.4 to MP-A43.3
Salford Township, Montgomery County and
West Rockhill and Milford Townships, Bucks County, Pennsylvania

Legend

- Project Study Area
- Limit of Disturbance
- County Boundaries
- Proposed Contours and Conditions
- Proposed Drainage
- Proposed E&S Controls
- Existing Contours

Watercourse Impacts

- Permanent
- Temporary
- Watercourse Impact No.

Wetland Impacts

- Permanent
- Temporary
- Wetland Impact No.

Wetlands

- PEM
- PSS
- PFO
- PUB

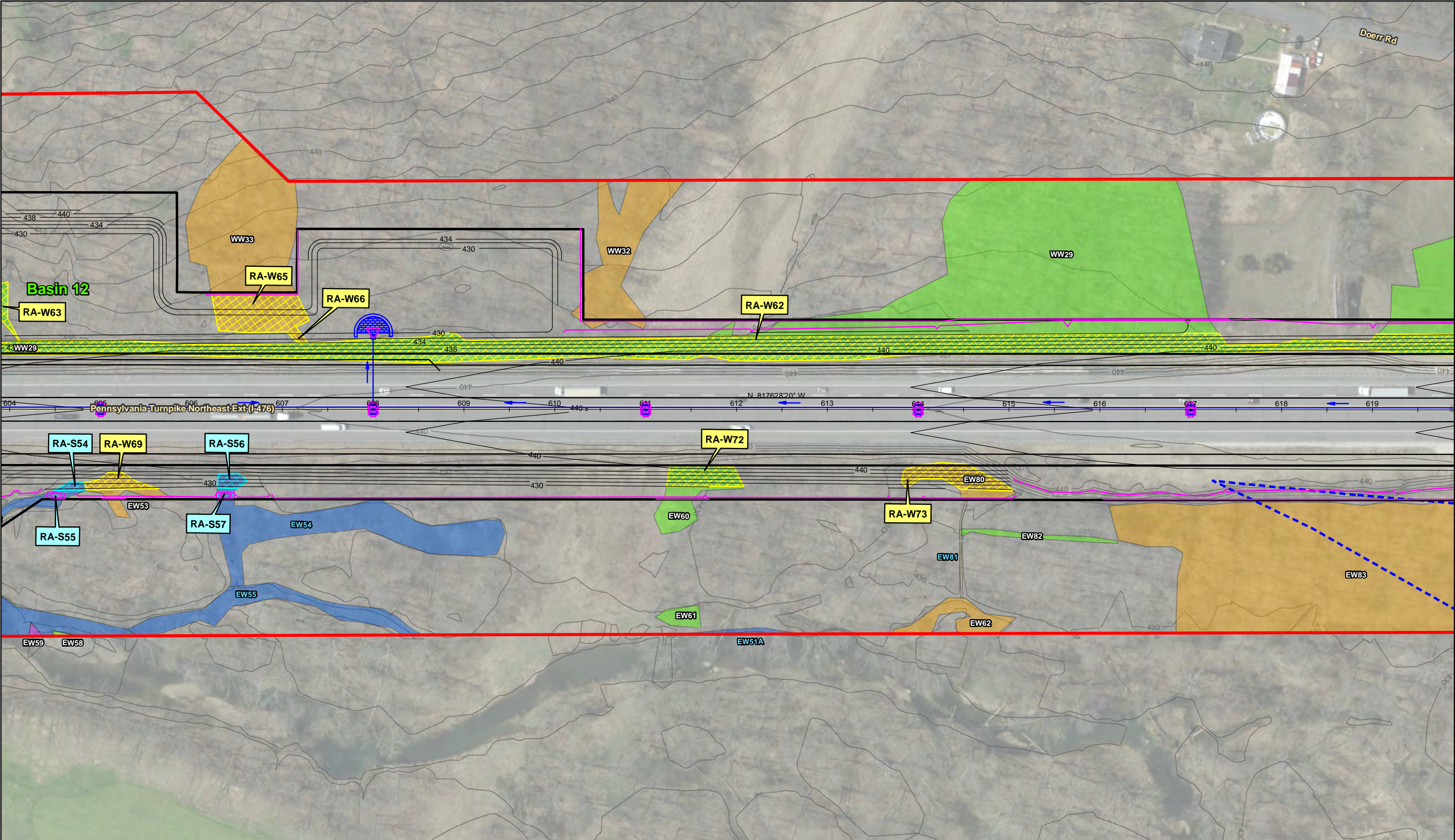
Watercourses

- Ephemeral
- Intermittent
- Perennial
- Intermittent in Pipe

1 inch = 100 feet
100 50 0 100 Feet



Limit of Disturbance, Proposed Conditions & Contours, and Wetland, Watercourse, and Floodway Impacts are based on Pennoni Roadway Design and E&S Control Plans (March 2021, Revised June 2021).



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Legend

- Project Study Area
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- Proposed E&S Controls
- Existing Contours

Watercourse Impacts

- Permanent
- Temporary
- Watercourse Impact No.

Wetland Impacts

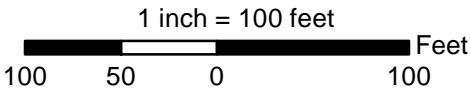
- Permanent
- Temporary
- Wetland Impact No.

Wetlands

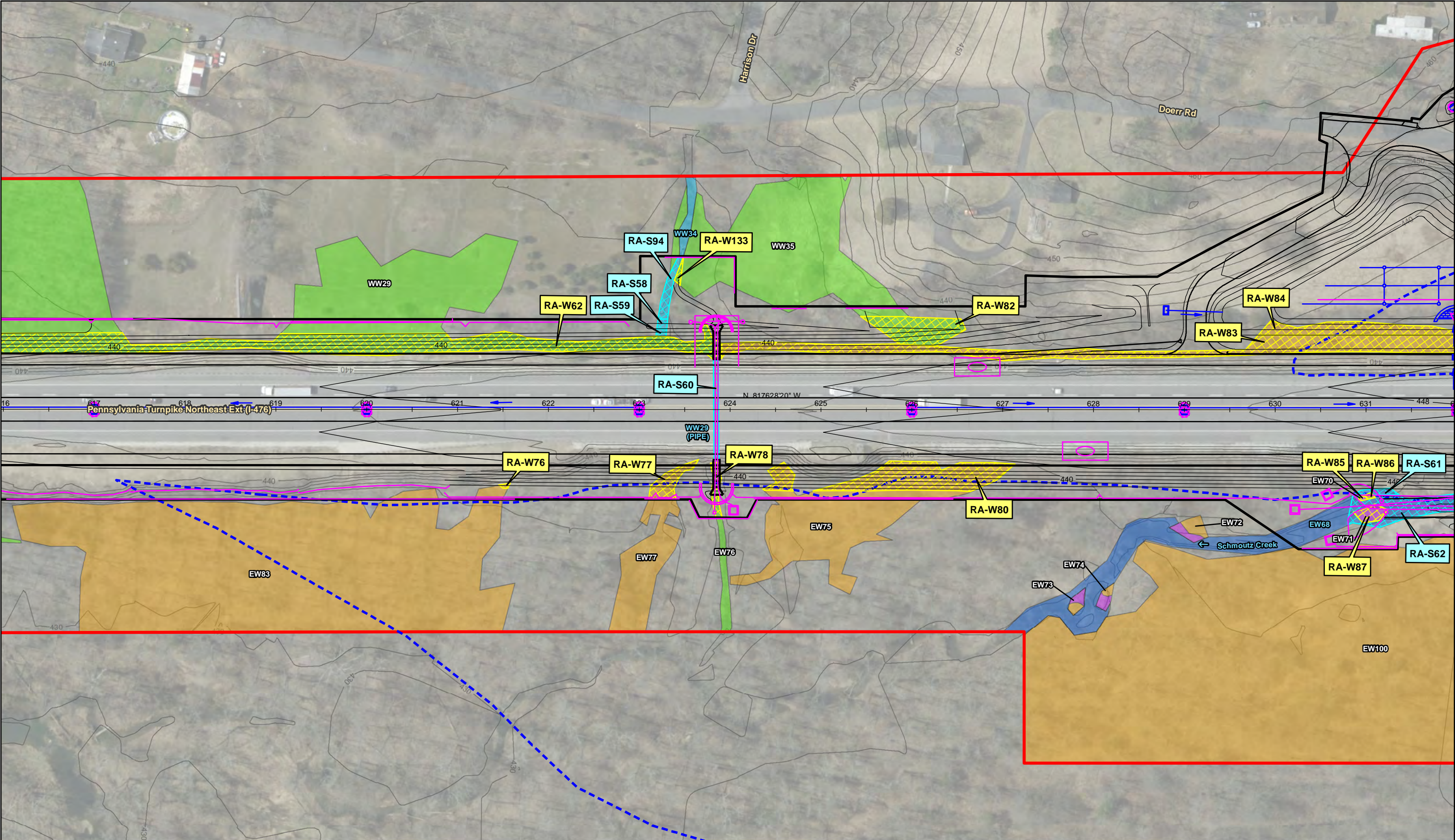
- PEM
- PSS
- PFO

Watercourses

- Perennial
- Drainage Feature
- FEMA 100-Year Floodplain



Limit of Disturbance, Proposed Conditions & Contours, and Wetland, Watercourse, and Floodway Impacts are based on Pennoni Roadway Design and E&S Control Plans (March 2021, Revised June 2021).



**WETLAND AND WATERWAY IMPACT MAPPING
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MAP SHEET 18 of 27

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Legend

- Project Study Area
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- County Boundaries
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- Proposed Drainage
- Proposed E&S Controls
- Existing Contours

Watercourse Impacts

- Permanent
- Temporary
- Watercourse Impact No.

Wetland Impacts

- Permanent
- Temporary
- Wetland Impact No.

Wetlands

- PEM
- PSS
- PFO

Watercourses

- Intermittent
- Perennial
- Intermittent in Pipe
- FEMA 100-Year Floodplain

1 inch = 100 feet

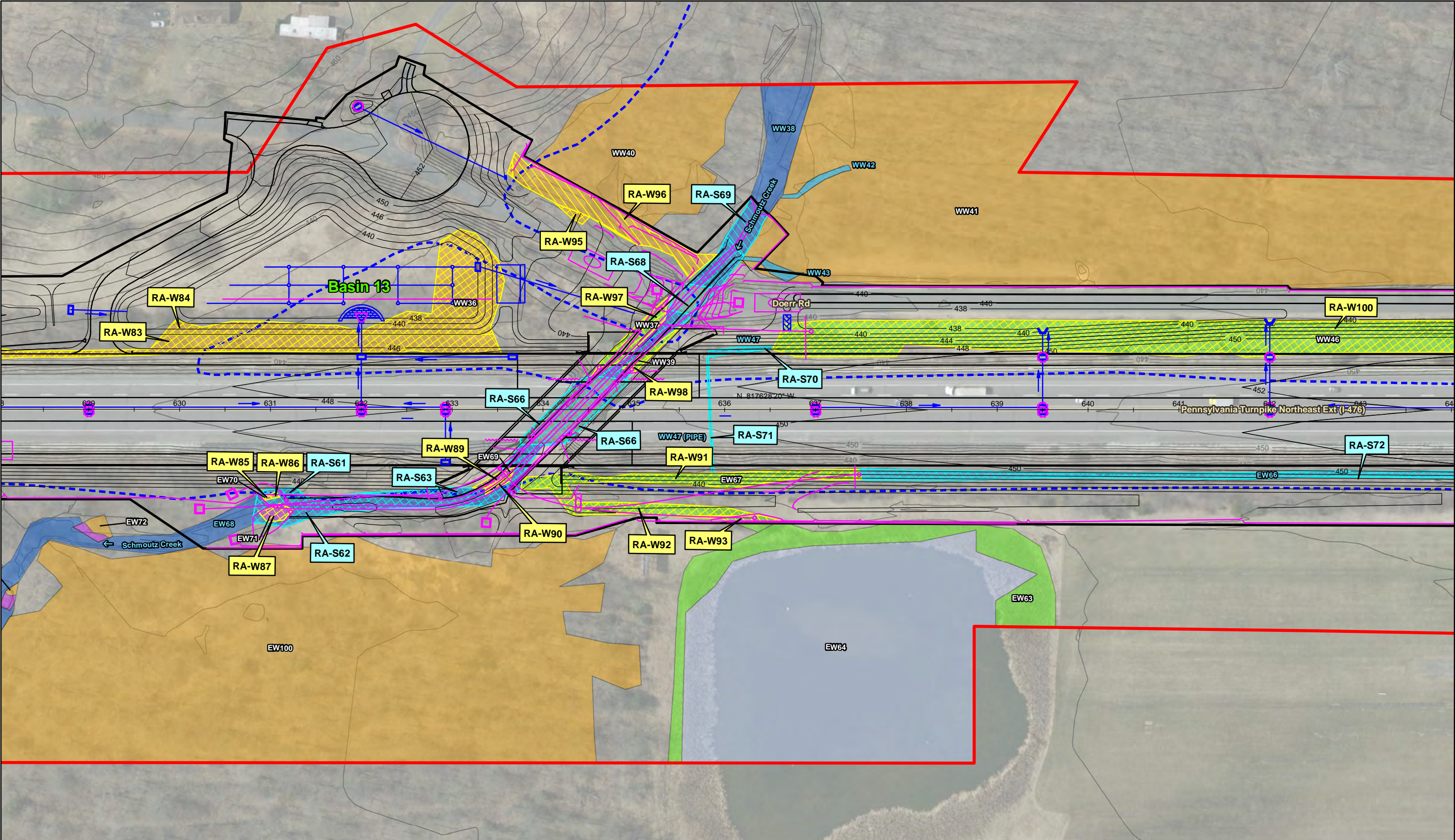
100 50 0 100 Feet

Gannett Fleming

North Arrow

Limit of Disturbance, Proposed Conditions & Contours, and Wetland, Watercourse, and Floodway Impacts are based on Pennoni Roadway Design and E&S Control Plans (March 2021, Revised June 2021).

Sources: Orthoimagery basemapping provided by Pennsylvania Emergency Management Agency via PASDA (PEMA, 2018). Wetlands and Waterways were delineated in the field by GF and surveyed by Pennoni (2012-2017). GF Project No. 055398; Map Prepared: 08/26/2018, Revised:06/13/2021



**WETLAND AND WATERWAY IMPACT MAPPING
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MAP SHEET 19 of 27

Pennsylvania Turnpike Commission
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Legend

- Project Study Area
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- County Boundaries
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- Proposed E&S Controls
- Existing Contours

Watercourse Impacts

- Permanent
- Temporary
- Watercourse Impact No.

Wetland Impacts

- Permanent
- Temporary
- Wetland Impact No.

Wetlands

- PEM
- PSS
- PFO
- PUB

Watercourses

- Intermittent
- Perennial
- Intermittent in Pipe
- Perennial under Bridge
- FEMA 100-Year Floodplain

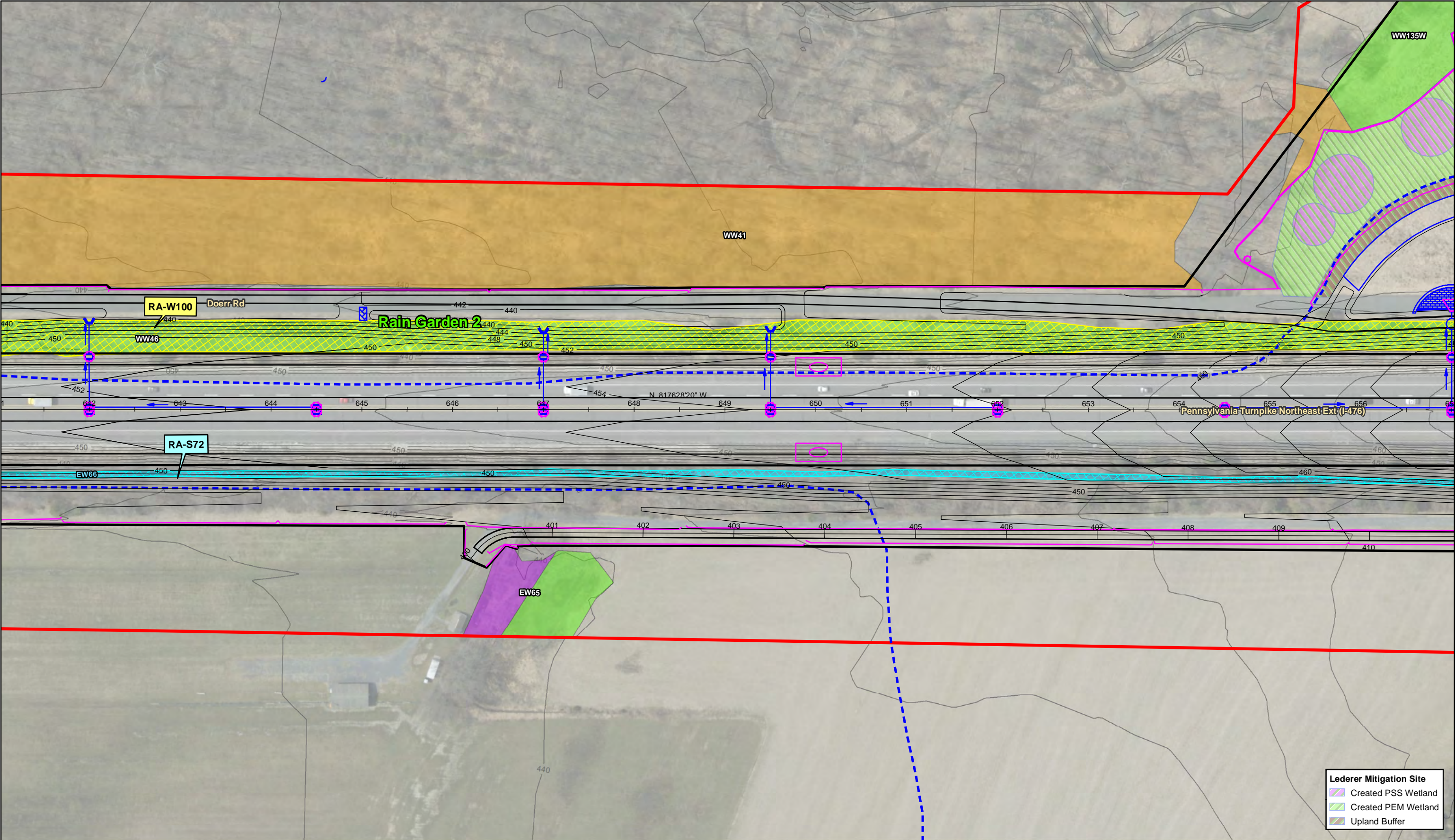
1 inch = 100 feet

100 50 0 100 Feet

Gannett Fleming

Limit of Disturbance, Proposed Conditions & Contours, and Wetland, Watercourse, and Floodway Impacts are based on Pennoni Roadway Design and E&S Control Plans (March 2021, Revised June 2021).

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Lederer Mitigation Site

- Created PSS Wetland
- Created PEM Wetland
- Upland Buffer

**WETLAND AND WATERWAY IMPACT MAPPING
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MAP SHEET 20 of 27
Pennsylvania Turnpike Commission
Full-Depth Roadway Reconstruction MP-A37.4 to MP-A43.3
Salford Township, Montgomery County and
West Rockhill and Milford Townships, Bucks County, Pennsylvania

Legend

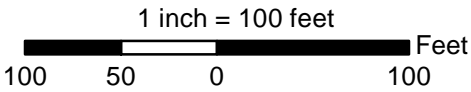
- Project Study Area
- Limit of Disturbance
- County Boundaries
- Proposed Contours and Conditions
- Proposed Drainage
- Proposed E&S Controls
- Existing Contours

- Watercourse Impacts**
- Permanent
 - Temporary
 - Watercourse Impact No.

- Wetland Impacts**
- Permanent
 - Temporary
 - Wetland Impact No.

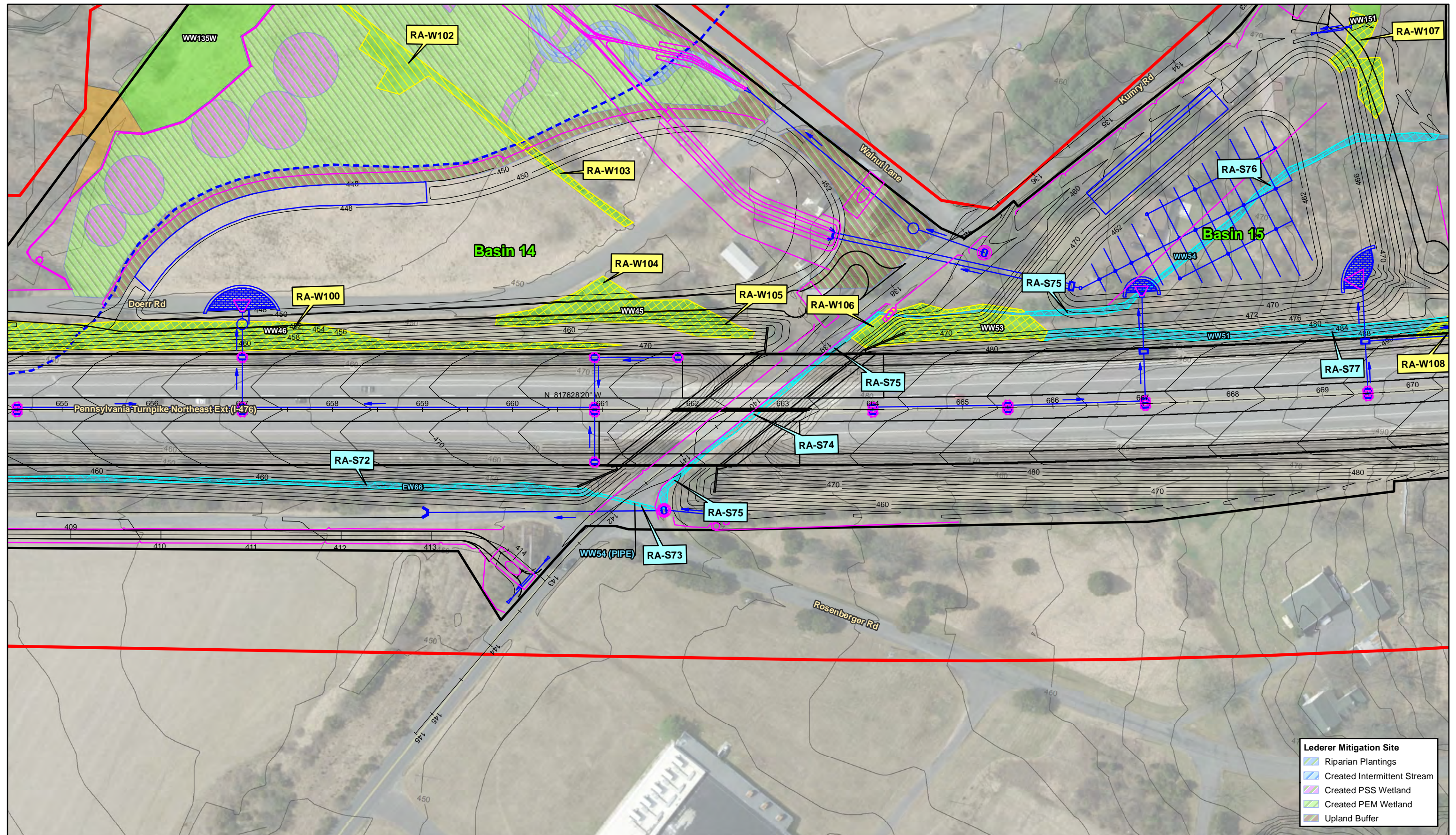
- Wetlands**
- PEM
 - PSS
 - PFO

- Watercourses**
- Intermittent
 - FEMA 100-Year Floodplain



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- Lederer Mitigation Site**
- Riparian Plantings
 - Created Intermittent Stream
 - Created PSS Wetland
 - Created PEM Wetland
 - Upland Buffer

**WETLAND AND WATERWAY IMPACT MAPPING
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MAP SHEET 21 of 27**

**Pennsylvania Turnpike Commission
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Salford Township, Montgomery County and
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Legend

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- Proposed E&S Controls
- Existing Contours

Watercourse Impacts

- Permanent
- Temporary
- Watercourse Impact No.

Wetland Impacts

- Permanent
- Temporary
- Wetland Impact No.

Wetlands

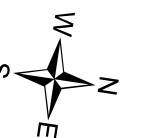
- PEM
- PFO

Watercourses

- Intermittent
- Intermittent in Pipe
- Intermittent under Bridge
- FEMA 100-Year Floodplain

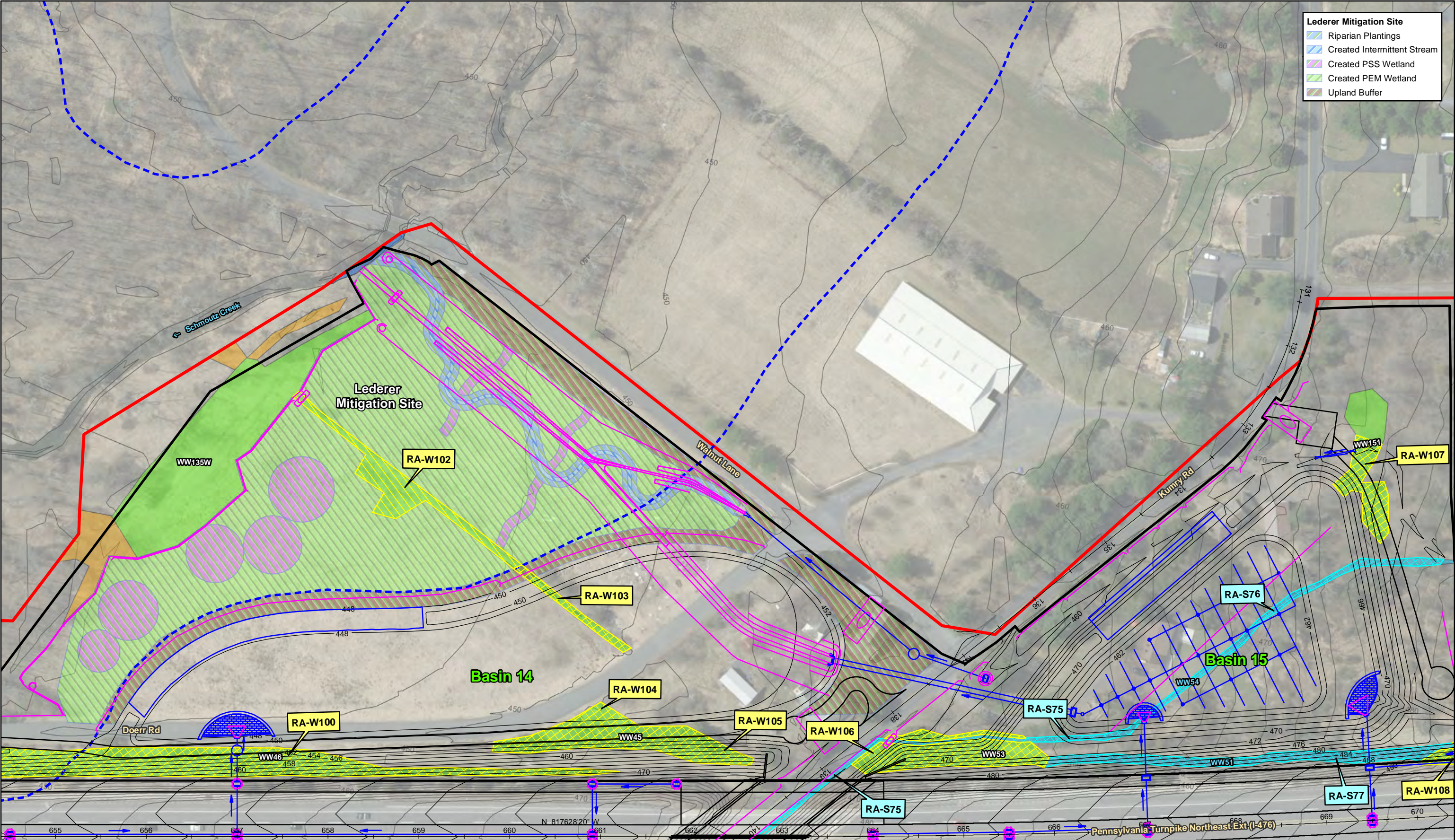
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Lederer Mitigation Site

- Riparian Plantings
- Created Intermittent Stream
- Created PSS Wetland
- Created PEM Wetland
- Upland Buffer

**WETLAND AND WATERWAY IMPACT MAPPING
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MAP SHEET 21A of 27**

**Pennsylvania Turnpike Commission
Full-Depth Roadway Reconstruction MP-A37.4 to MP-A43.3
Salford Township, Montgomery County and
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- County Boundaries
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- Proposed Drainage
- Proposed E&S Controls
- Existing Contours

Watercourse Impacts

- Permanent
- Temporary
- Watercourse Impact No.

Wetland Impacts

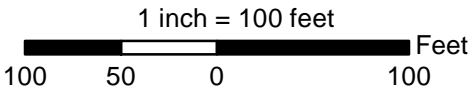
- Permanent
- Temporary
- Wetland Impact No.

Wetlands

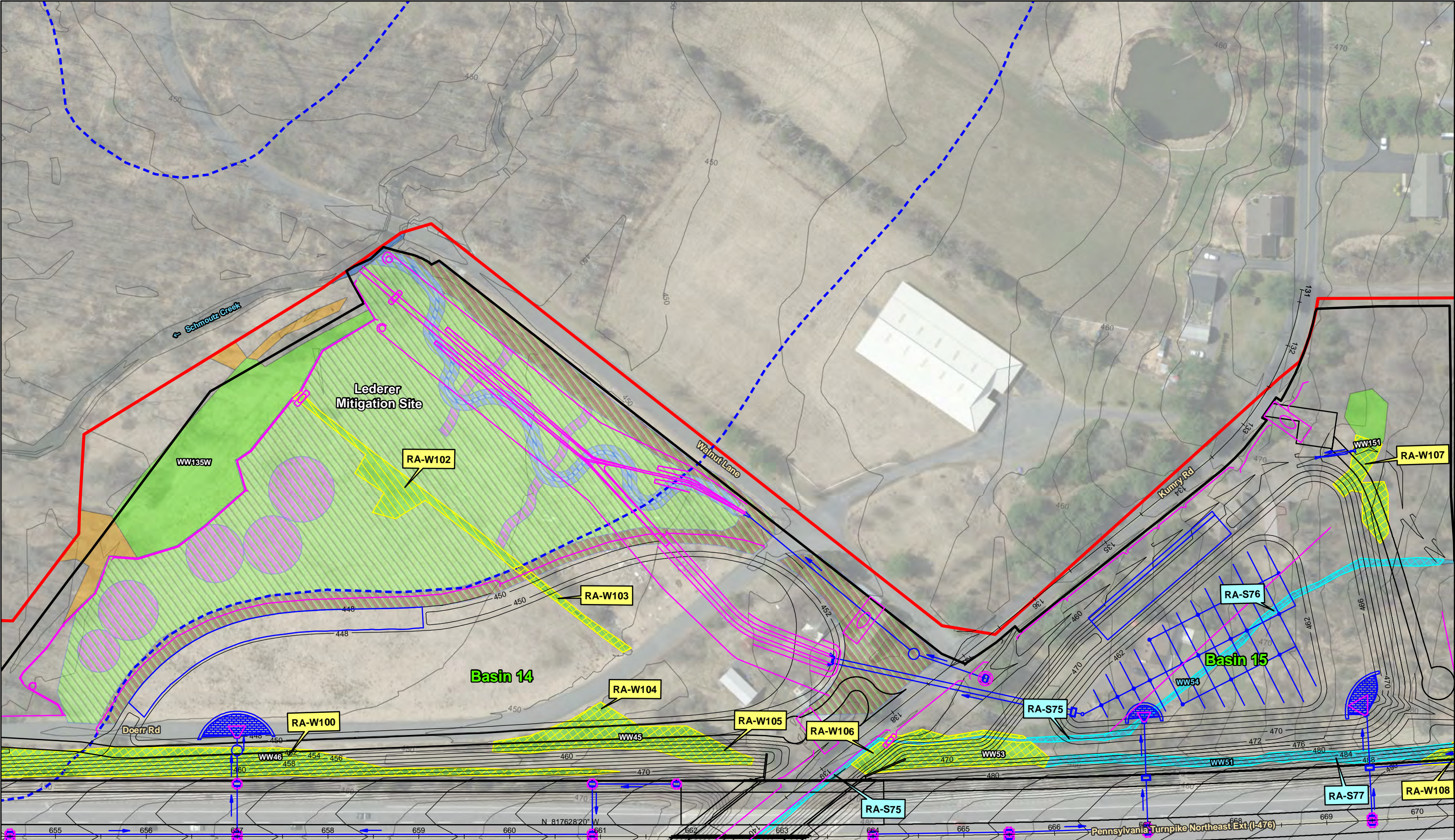
- PEM
- PFO

Watercourses

- Intermittent
- Perennial
- Intermittent under Bridge
- FEMA 100-Year Floodplain



Limit of Disturbance, Proposed Conditions & Contours, and Wetland, Watercourse, and Floodway Impacts are based on Pennoni Roadway Design and E&S Control Plans (March 2021, Revised June 2021).



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- Proposed Drainage
- Proposed E&S Controls
- Existing Contours

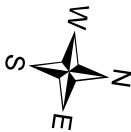
- Watercourse Impacts**
- Permanent
 - Temporary
 - Watercourse Impact No.

- Wetland Impacts**
- Permanent
 - Temporary
 - Wetland Impact No.

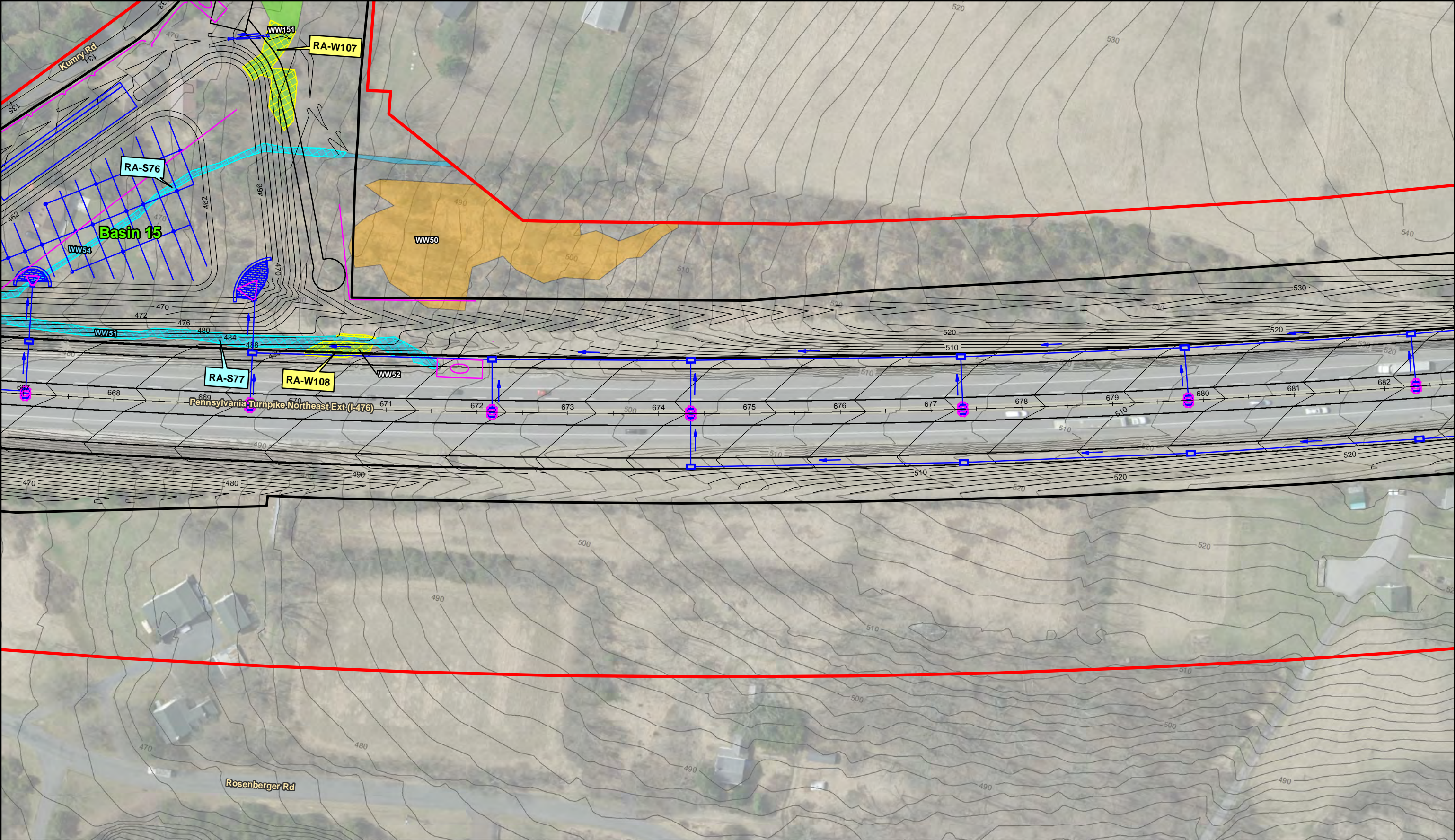
- Wetlands**
- PEM
 - PFO

- Watercourses**
- Intermittent
 - Perennial
 - Intermittent under Bridge
 - FEMA 100-Year Floodplain

1 inch = 100 feet
100 50 0 100 Feet



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**WETLAND AND WATERWAY IMPACT MAPPING
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MAP SHEET 22 of 27
Pennsylvania Turnpike Commission
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Salford Township, Montgomery County and
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Legend

- Project Study Area
- Limit of Disturbance
- County Boundaries
- Proposed Contours and Conditions
- Proposed Drainage
- Proposed E&S Controls
- Existing Contours

Watercourse Impacts

- Permanent
- Temporary
- Watercourse Impact No.

Wetland Impacts

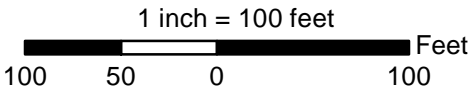
- Permanent
- Temporary
- Wetland Impact No.

Wetlands

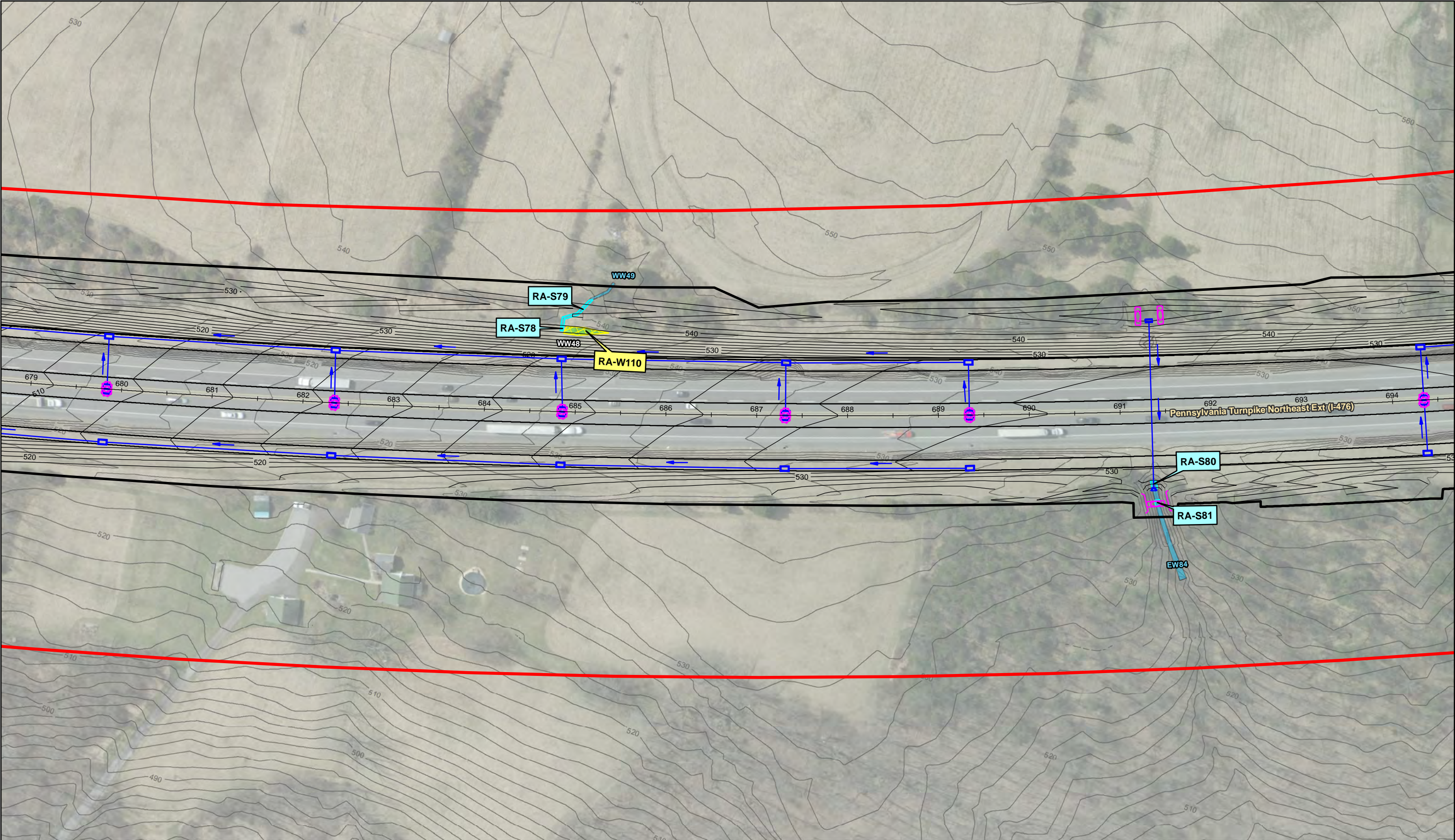
- PEM
- PFO

Watercourses

- Intermittent



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MAP SHEET 23 of 27**

**Pennsylvania Turnpike Commission
Full-Depth Roadway Reconstruction MP-A37.4 to MP-A43.3
Salford Township, Montgomery County and
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Legend

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- County Boundaries
- Proposed Contours and Conditions
- Proposed Drainage
- Proposed E&S Controls
- Existing Contours

Watercourse Impacts

- Permanent
- Temporary
- Watercourse Impact No.

Wetland Impacts

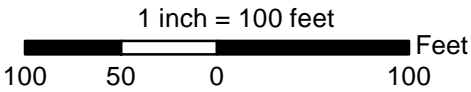
- Permanent
- Temporary
- Wetland Impact No.

Wetlands

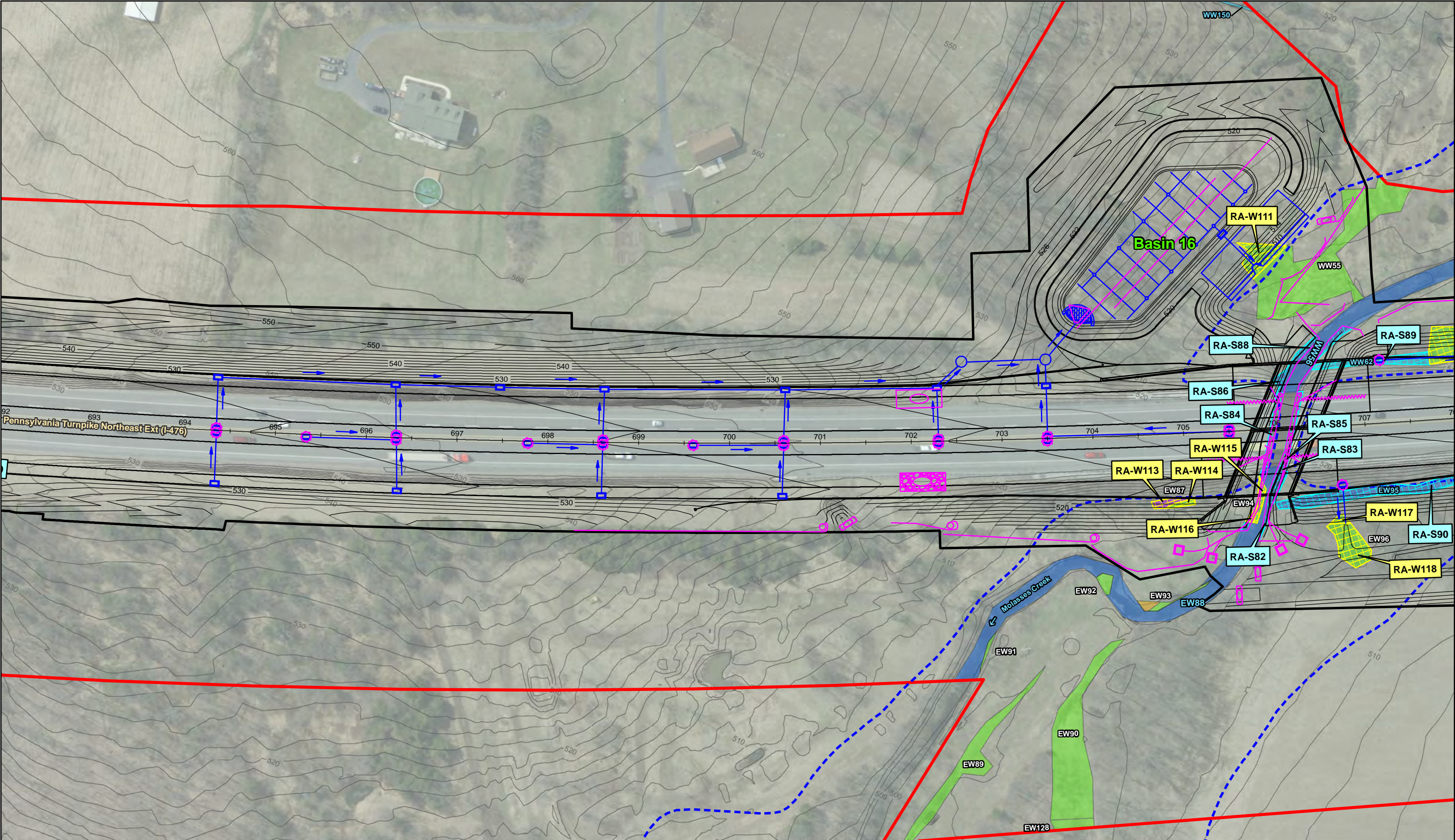
- PEM

Watercourses

- Intermittent



Limit of Disturbance, Proposed Conditions & Contours, and Wetland, Watercourse, and Floodway Impacts are based on Pennoni Roadway Design and E&S Control Plans (March 2021, Revised June 2021).



**WETLAND AND WATERWAY IMPACT MAPPING
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MAP SHEET 24 of 27**

**Pennsylvania Turnpike Commission
Full-Depth Roadway Reconstruction MP-A37.4 to MP-A43.3
Salford Township, Montgomery County and
West Rockhill and Milford Townships, Bucks County, Pennsylvania**

Legend

- Project Study Area
- Limit of Disturbance
- County Boundaries
- Proposed Contours and Conditions
- Proposed Drainage
- Proposed E&S Controls
- Existing Contours

Watercourse Impacts

- Permanent
- Temporary
- Watercourse Impact No.

Wetland Impacts

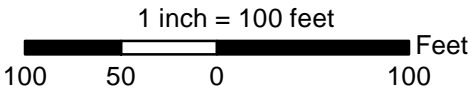
- Permanent
- Temporary
- Wetland Impact No.

Wetlands

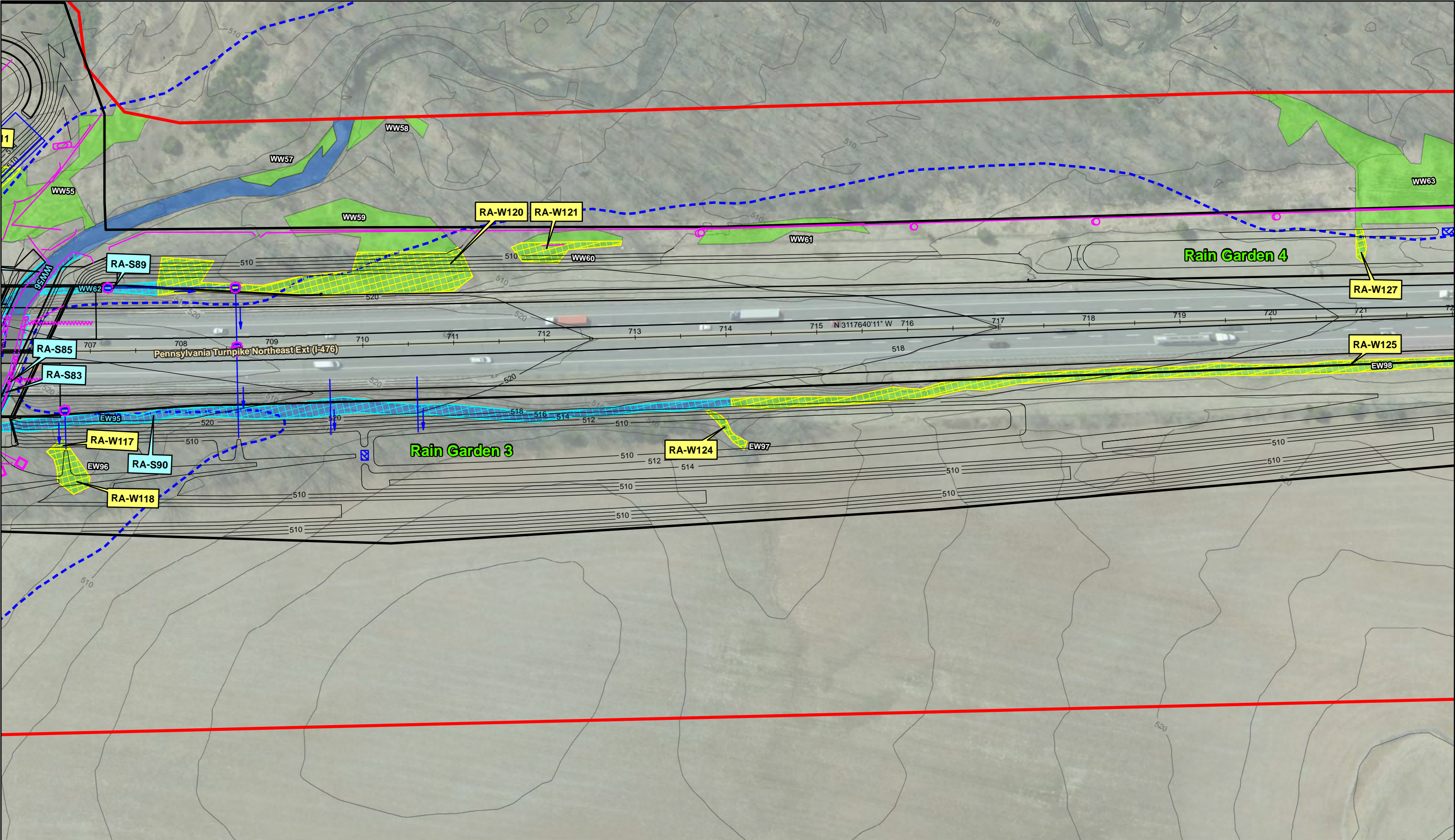
- PEM
- PSS
- PFO

Watercourses

- Intermittent
- Perennial
- Perennial under Bridge
- FEMA 100-Year Floodplain



Limit of Disturbance, Proposed Conditions & Contours, and Wetland, Watercourse, and Floodway Impacts are based on Pennoni Roadway Design and E&S Control Plans (March 2021, Revised June 2021).



**WETLAND AND WATERWAY IMPACT MAPPING
FOR USE BY THE U.S. ARMY CORPS OF ENGINEERS
MAP SHEET 25 of 27**

**Pennsylvania Turnpike Commission
Full-Depth Roadway Reconstruction MP-A37.4 to MP-A43.3
Salford Township, Montgomery County and
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Legend

- Project Study Area
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- County Boundaries
- Proposed Contours and Conditions
- Proposed Drainage
- Proposed E&S Controls
- Existing Contours

Watercourse Impacts

- Permanent
- Temporary
- Watercourse Impact No.

Wetland Impacts

- Permanent
- Temporary
- Wetland Impact No.

Wetlands

- PEM

Watercourses

- Intermittent
- Perennial
- Perennial under Bridge
- FEMA 100-Year Floodplain

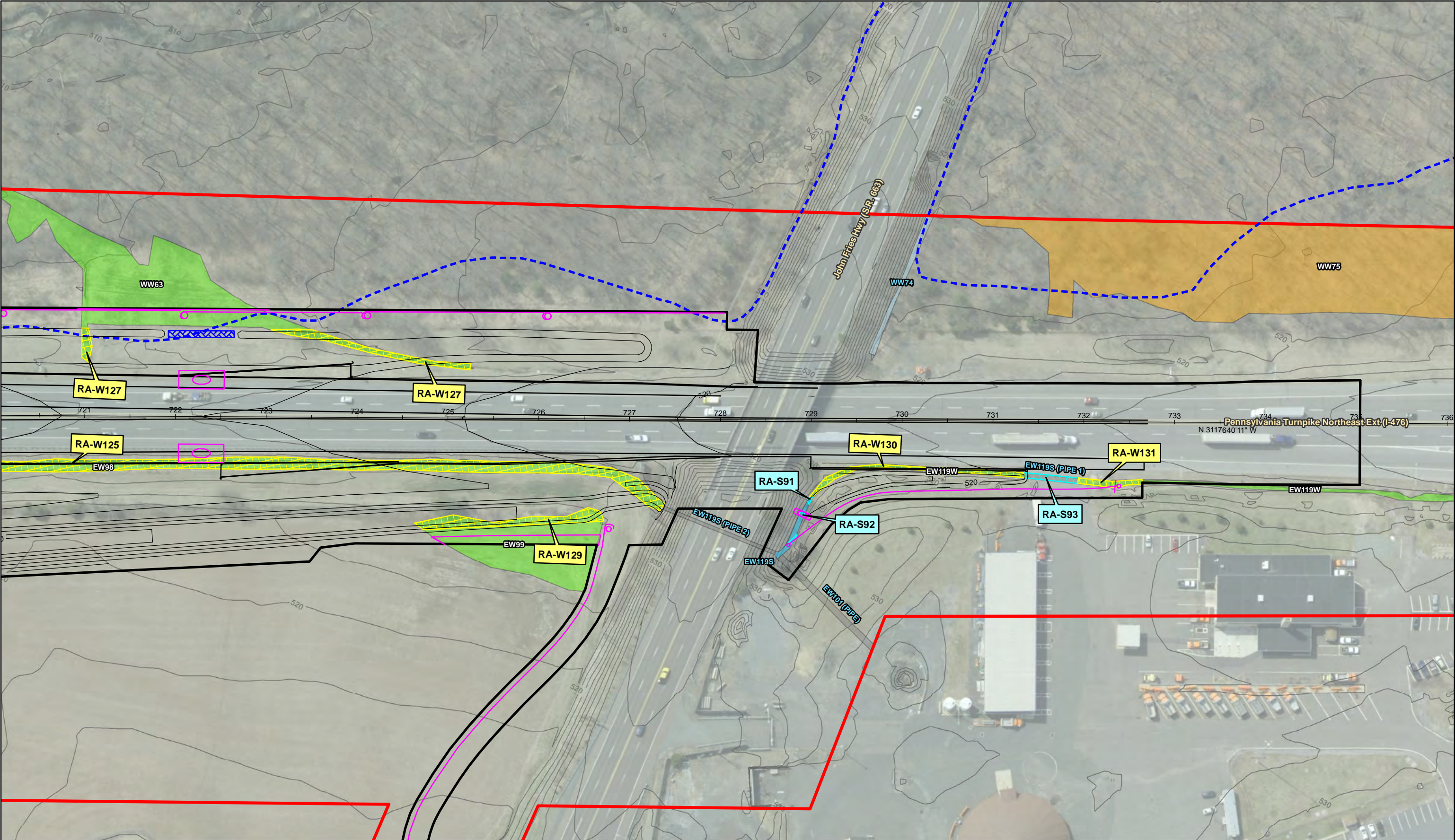
1 inch = 100 feet

100 50 0 100 Feet

Gannett Fleming

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MAP SHEET 26 of 27**

**Pennsylvania Turnpike Commission
Full-Depth Roadway Reconstruction MP-A37.4 to MP-A43.3
Salford Township, Montgomery County and
West Rockhill and Milford Townships, Bucks County, Pennsylvania**

Legend

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- Existing Contours

Watercourse Impacts

- Permanent
- Temporary
- Watercourse Impact No.

Wetland Impacts

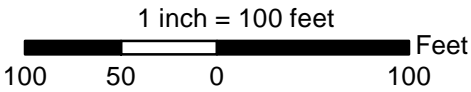
- Permanent
- Temporary
- Wetland Impact No.

Wetlands

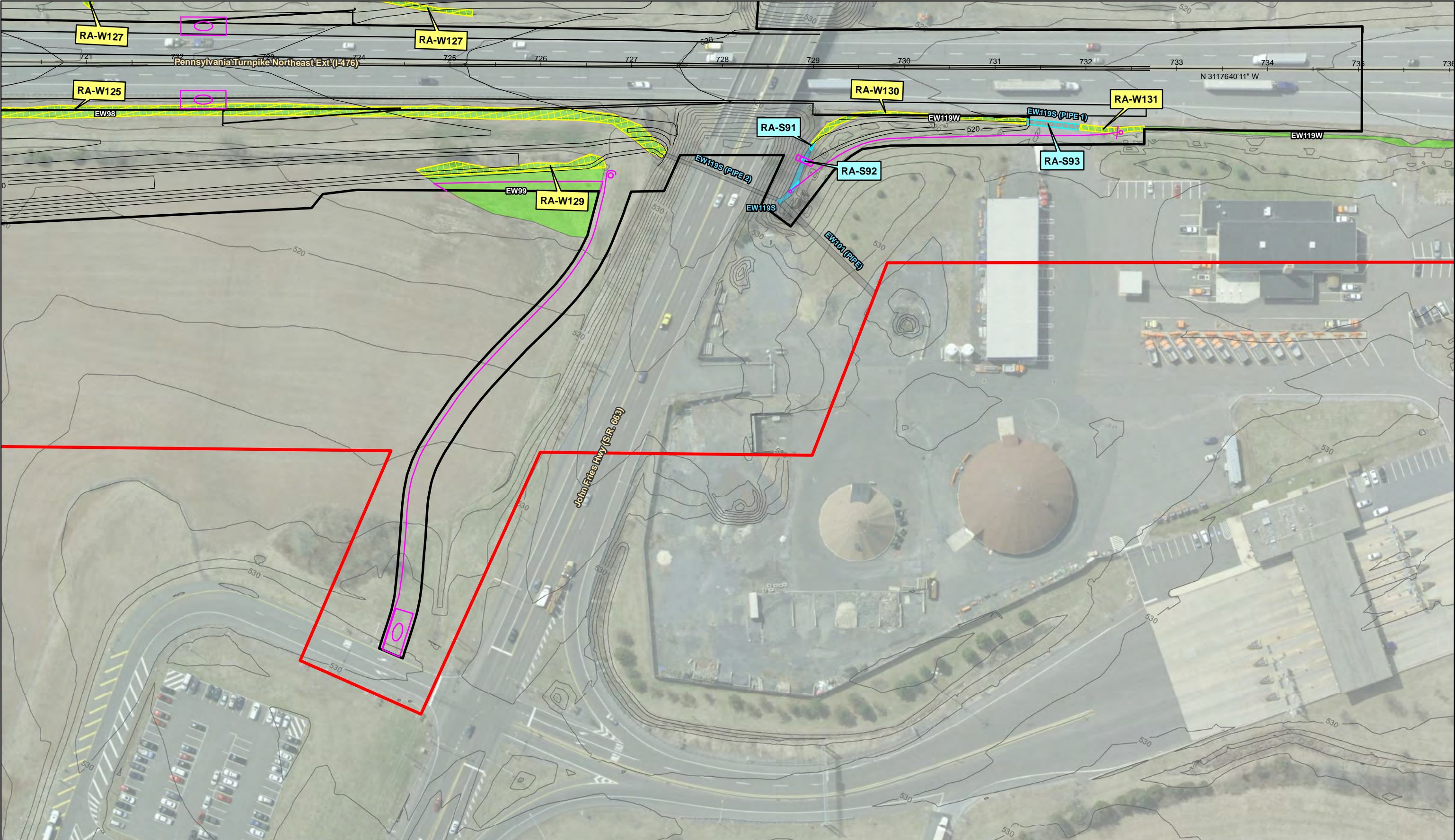
- PEM
- PFO

Watercourses

- Ephemeral
- Intermittent
- Intermittent in Pipe
- FEMA 100-Year Floodplain



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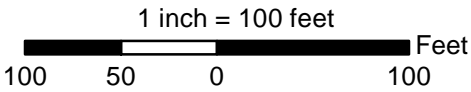
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- Existing Contours

- Watercourse Impacts**
- Permanent
 - Temporary
 - Watercourse Impact No.

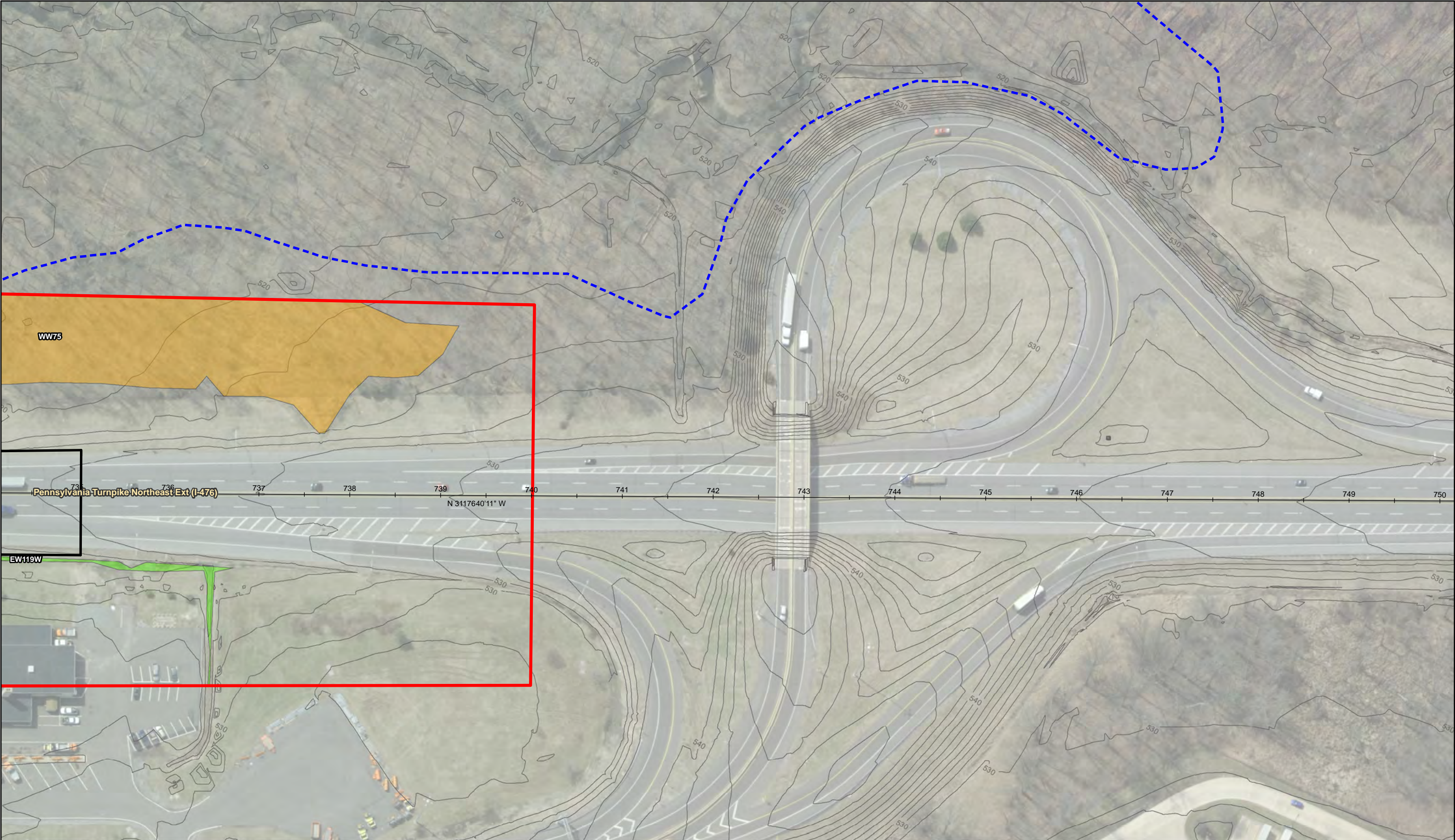
- Wetland Impacts**
- Permanent
 - Temporary
 - Wetland Impact No.

- Wetlands**
- PEM

- Watercourses**
- Ephemeral
 - Intermittent
 - Intermittent in Pipe



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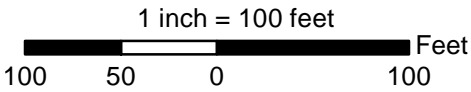
Wetland Impacts

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- Temporary
- Wetland Impact No.

Wetlands

- PEM
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FEMA 100-Year Floodplain



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