

**WETLAND AND WATERWAY IMPACT MAPPING
FOR USE BY THE U.S. ARMY CORPS OF ENGINEERS
INDEX MAP**

**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
 - Map Sheet Index*
 - County Boundaries
 - Municipality Boundaries
 - Streams

**Map Sheets 1 - 4 (Station 398+75 to 435+00)
Roadway Drainage Improvements and Paving**

Roadway drainage and paving work are located within the existing roadway footprint and will not impact aquatic resources.

**Map Sheets 4 - 27 (Station 435+00)
Full-Depth Roadway Reconstruction**

The limit of disturbance and aquatic resource impacts associated with the full-depth roadway reconstruction begin on Map Sheet 4.

MONTGOMERY COUNTY JOINT PERMIT APPLICATION
Map Sheets 1 - 7 identify aquatic resource impacts proposed in Montgomery County and are provided as the impact mapping in the Montgomery County Joint Permt Application.

BUCKS COUNTY JOINT PERMIT APPLICATION
Map Sheets 7 - 27 identify aquatic resource impacts proposed in Bucks County and are provided as the impact mapping in the Bucks County Joint Permt Application.

1 inch = 2,500 feet

2,500 1,250 0 2,500 Feet

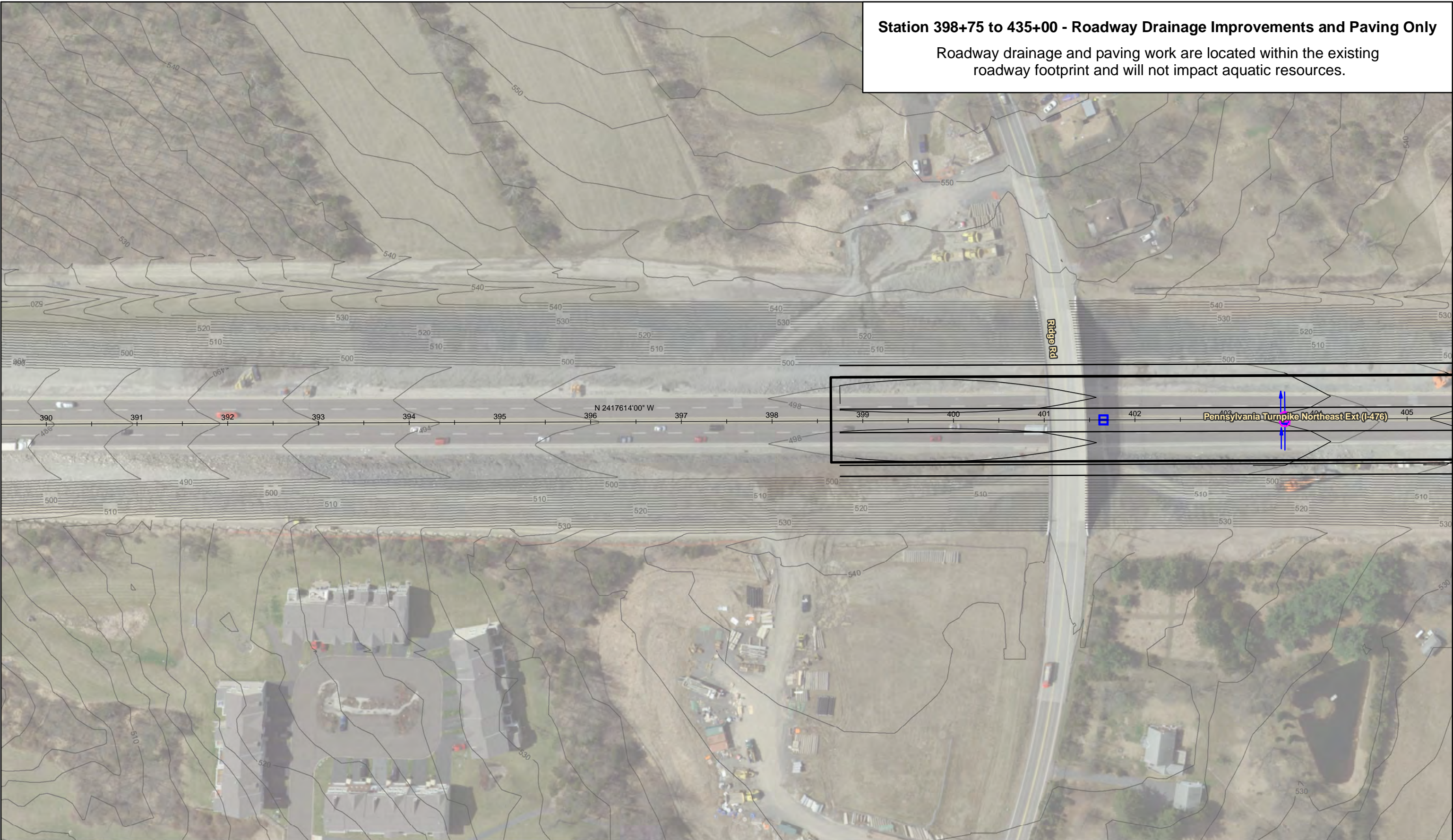
Gannett Fleming

* Map Sheet Index for the Wetland and Waterway Impact Mapping is based on the sheet index for Pennoni's Erosion & Sediment Control Plans (March 2021, Revised March 2021).



Station 398+75 to 435+00 - Roadway Drainage Improvements and Paving Only

Roadway drainage and paving work are located within the existing roadway footprint and will not impact aquatic resources.



**WETLAND AND WATERWAY IMPACT MAPPING
FOR USE BY THE U.S. ARMY CORPS OF ENGINEERS
MAP SHEET 1 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

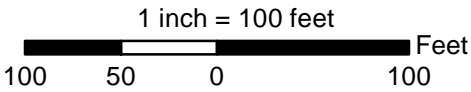
- Project Study Area
- Limit of Disturbance
- County Boundaries
- Proposed Contours and Conditions
- Proposed Drainage
- Proposed E&S Controls
- Existing Contours

Watercourse Impacts

- Permanent
- Temporary
- Watercourse Impact No.

Wetland Imapcts

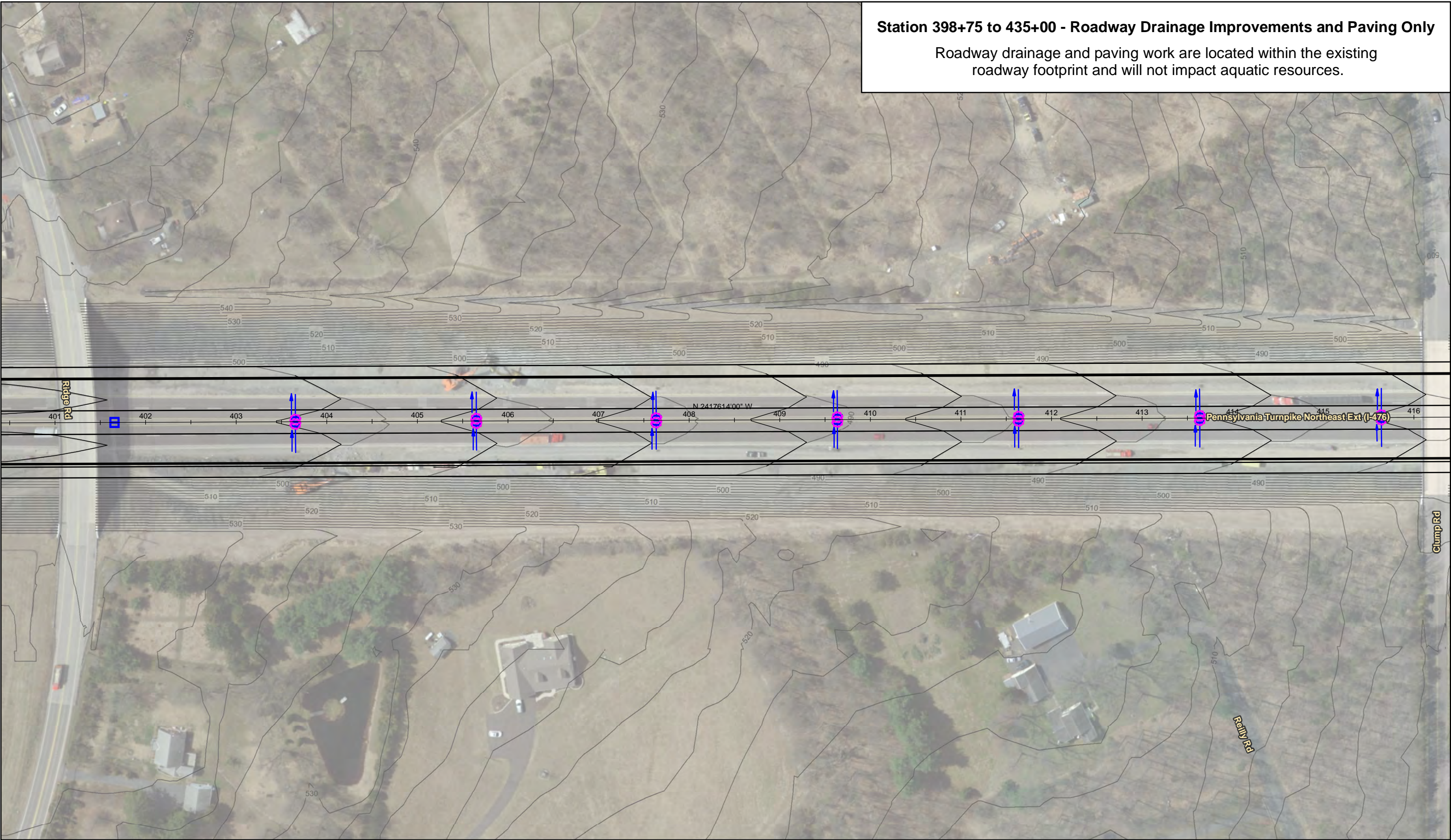
- Permanent
- Temporary
- Wetland Impact No.



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).

Station 398+75 to 435+00 - Roadway Drainage Improvements and Paving Only

Roadway drainage and paving work are located within the existing roadway footprint and will not impact aquatic resources.



**WETLAND AND WATERWAY IMPACT MAPPING
FOR USE BY THE U.S. ARMY CORPS OF ENGINEERS
MAP SHEET 2 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

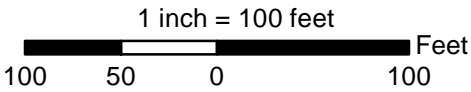
- Project Study Area
- Limit of Disturbance
- County Boundaries
- Proposed Contours and Conditions
- Proposed Drainage
- Proposed E&S Controls
- Existing Contours

Watercourse Impacts

- Permanent
- Temporary
- Watercourse Impact No.

Wetland Imapcts

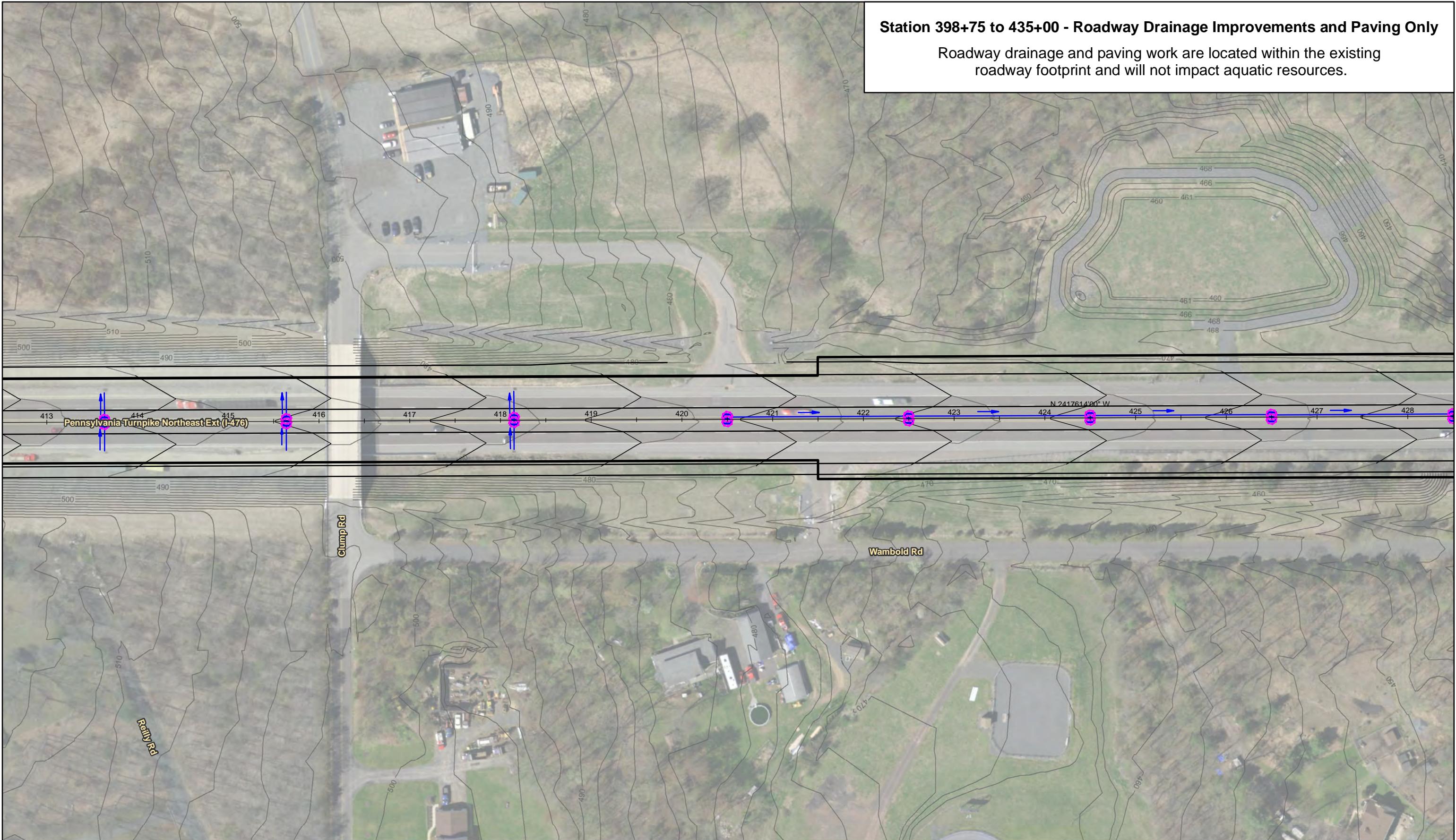
- Permanent
- Temporary
- Wetland Impact No.



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).

Station 398+75 to 435+00 - Roadway Drainage Improvements and Paving Only

Roadway drainage and paving work are located within the existing roadway footprint and will not impact aquatic resources.



**WETLAND AND WATERWAY IMPACT MAPPING
FOR USE BY THE U.S. ARMY CORPS OF ENGINEERS
MAP SHEET 3 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

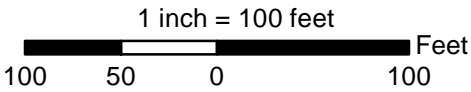
- Project Study Area
- Limit of Disturbance
- County Boundaries
- Proposed Contours and Conditions
- Proposed Drainage
- Proposed E&S Controls
- Existing Contours

Watercourse Impacts

- Permanent
- Temporary
- Watercourse Impact No.

Wetland Imapcts

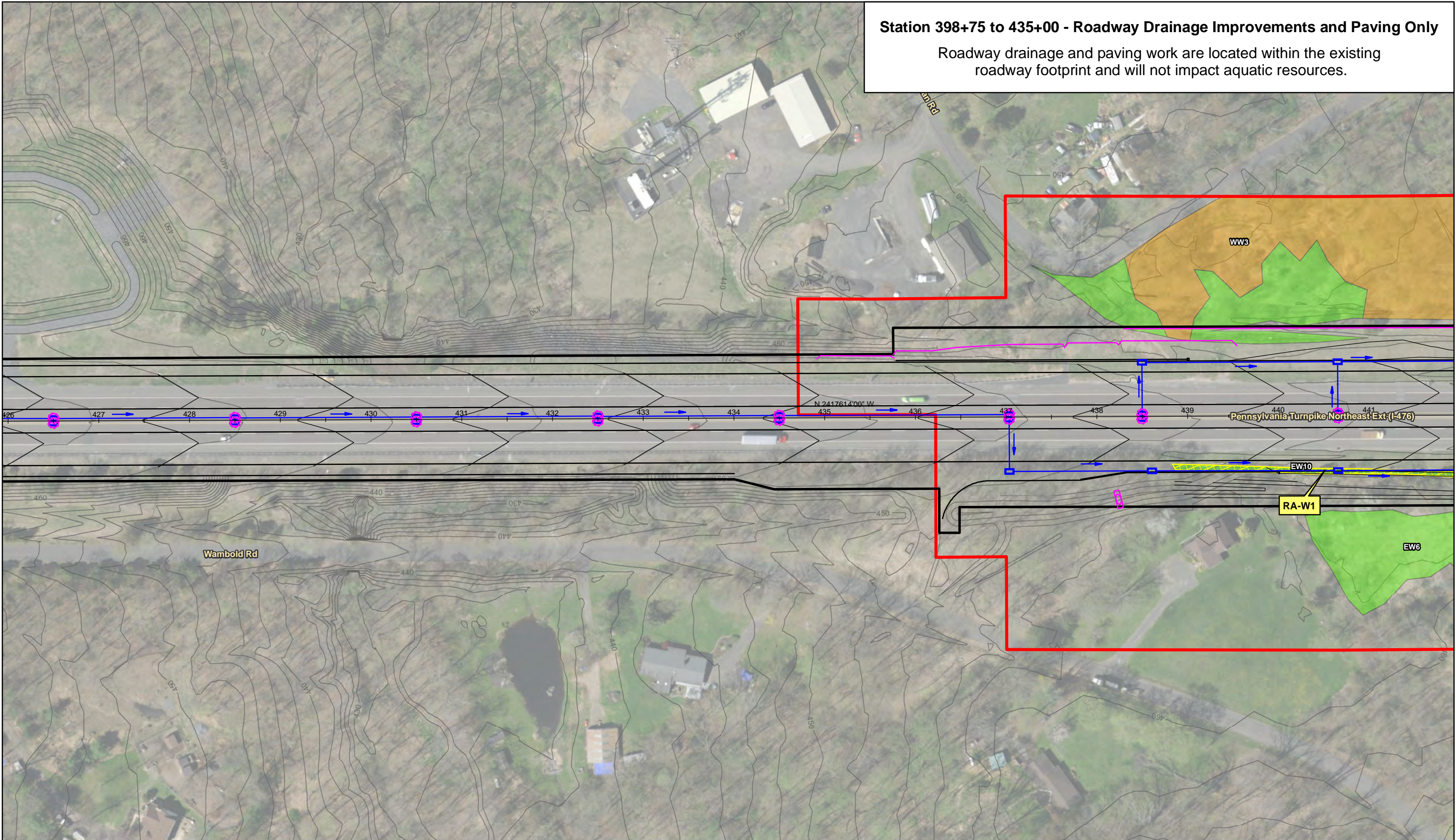
- Permanent
- Temporary
- Wetland Impact No.



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).

Station 398+75 to 435+00 - Roadway Drainage Improvements and Paving Only

Roadway drainage and paving work are located within the existing roadway footprint and will not impact aquatic resources.



**WETLAND AND WATERWAY IMPACT MAPPING
FOR USE BY THE U.S. ARMY CORPS OF ENGINEERS
MAP SHEET 4 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

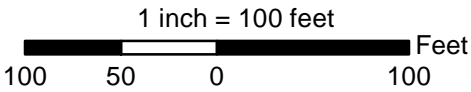
- Permanent
- Temporary
- Watercourse Impact No.

Wetland Imapcts

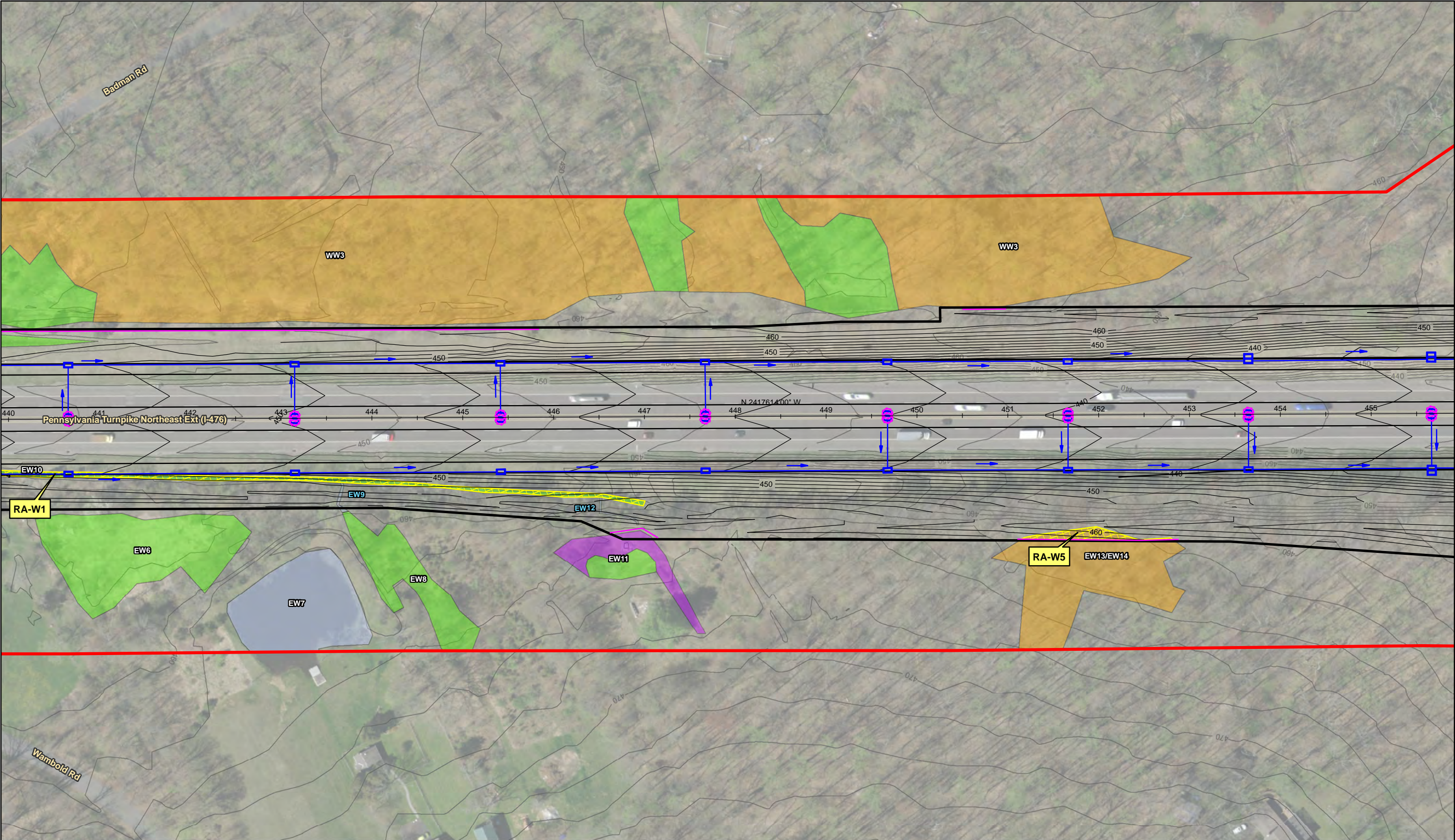
- Permanent
- Temporary
- Wetland Impact No.

Wetlands

- PEM
- PFO



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 5 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

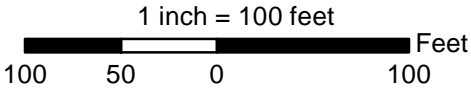
- Permanent
- Temporary
- Wetland Impact No.

Wetlands

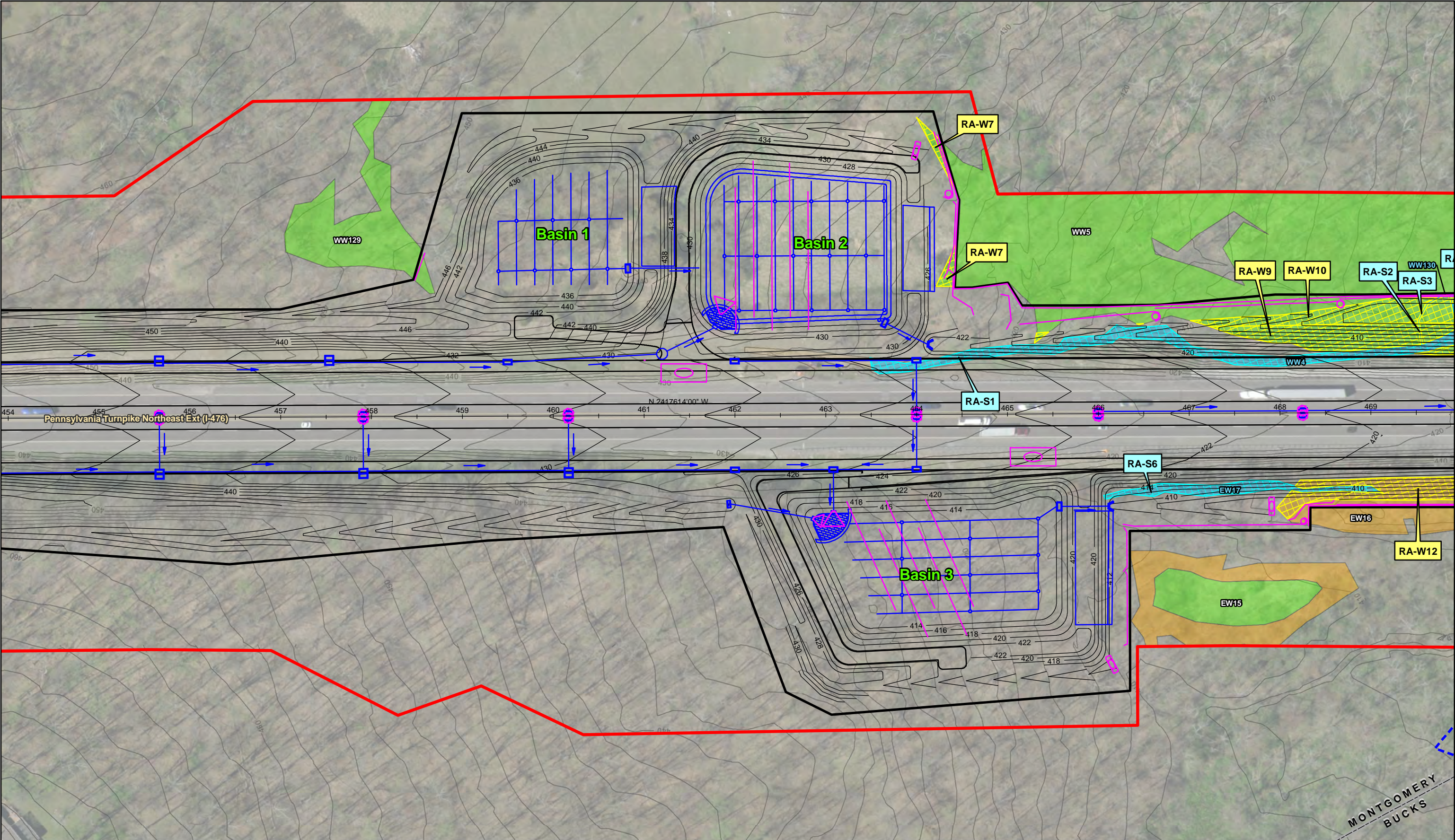
- PEM
- PSS
- PFO
- PUB

Watercourses

- Hydrologic Connection



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 6 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

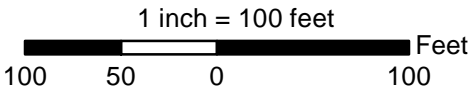
- Permanent
- Temporary
- Wetland Impact No.

Wetlands

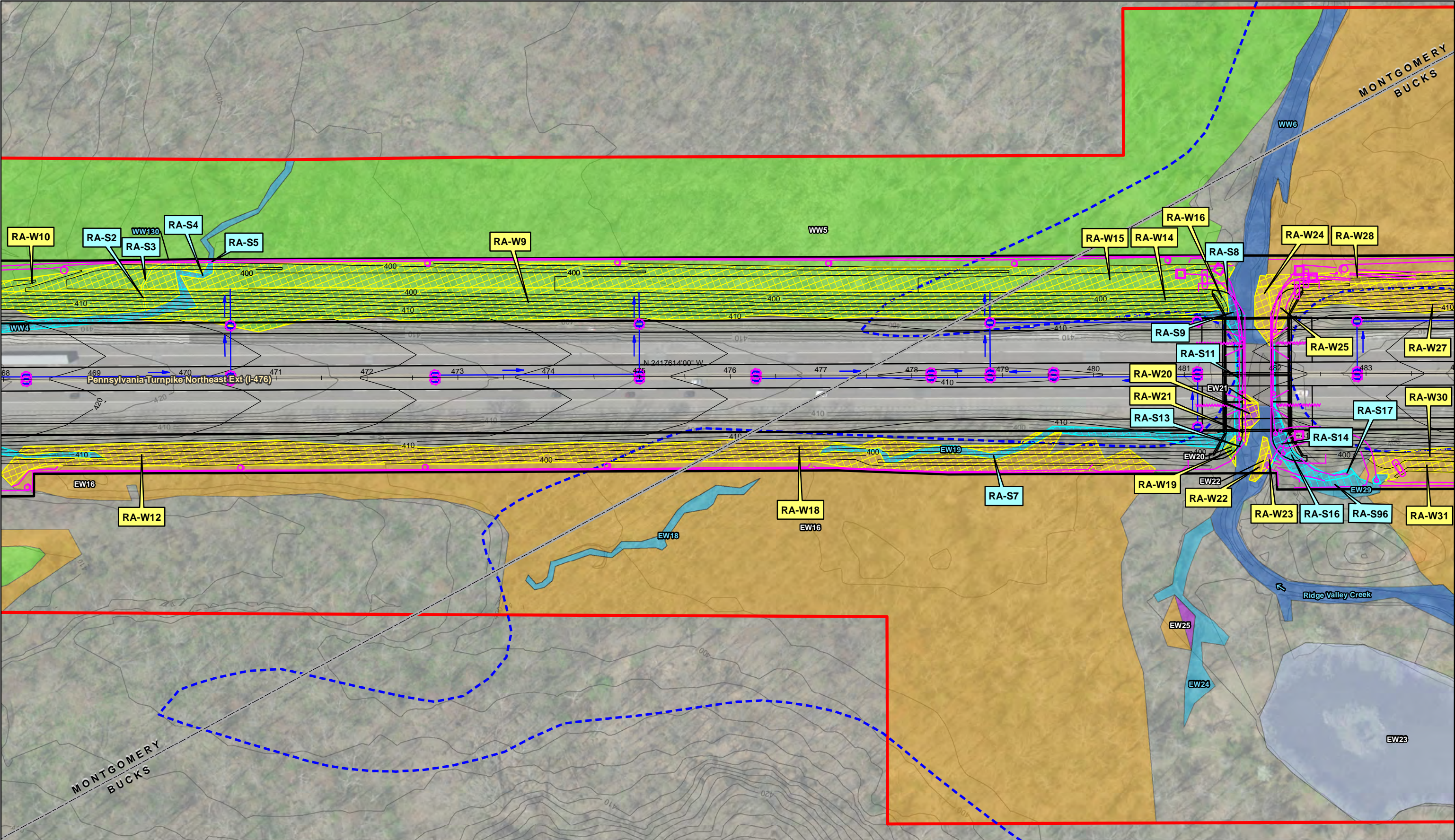
- PEM
- PFO

Watercourses

- Intermittent
- 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
FOR USE BY THE U.S. ARMY CORPS OF ENGINEERS**
MAP SHEET 7 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

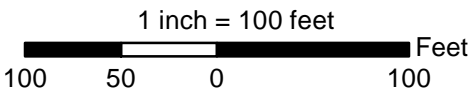
- Project Study Area
- Limit of Disturbance
- County Boundaries
- Proposed Contours and Conditions
- Proposed Drainage
- Proposed E&S Controls
- Existing Contours

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

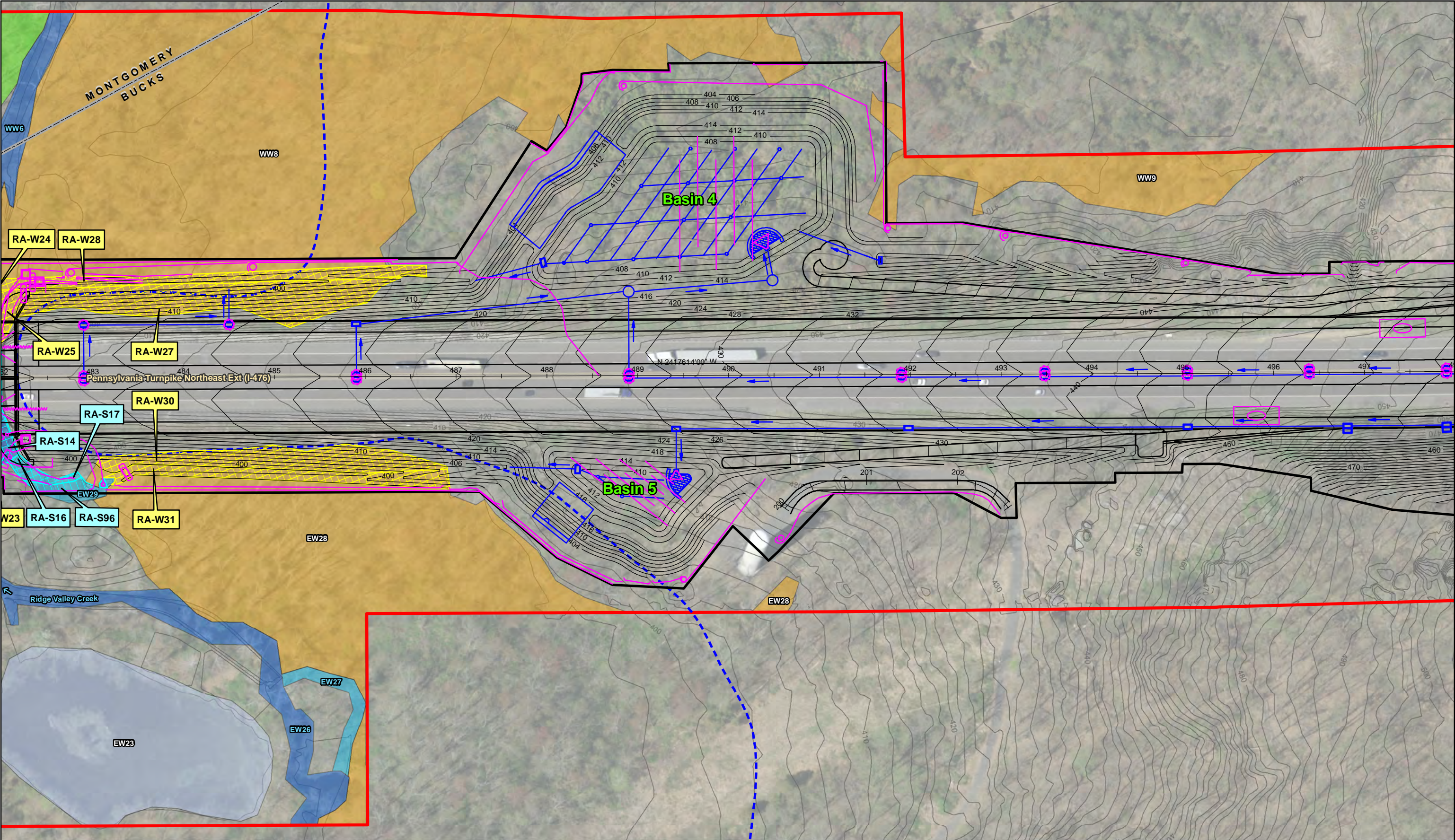
- Wetland Impacts**
- Permanent
 - Temporary
 - Wetland Impact No.

- Wetlands**
- PEM
 - PSS
 - PFO
 - PUB

- Watercourses**
- 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 8 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

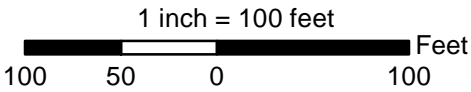
- Permanent
- Temporary
- Wetland Impact No.

Wetlands

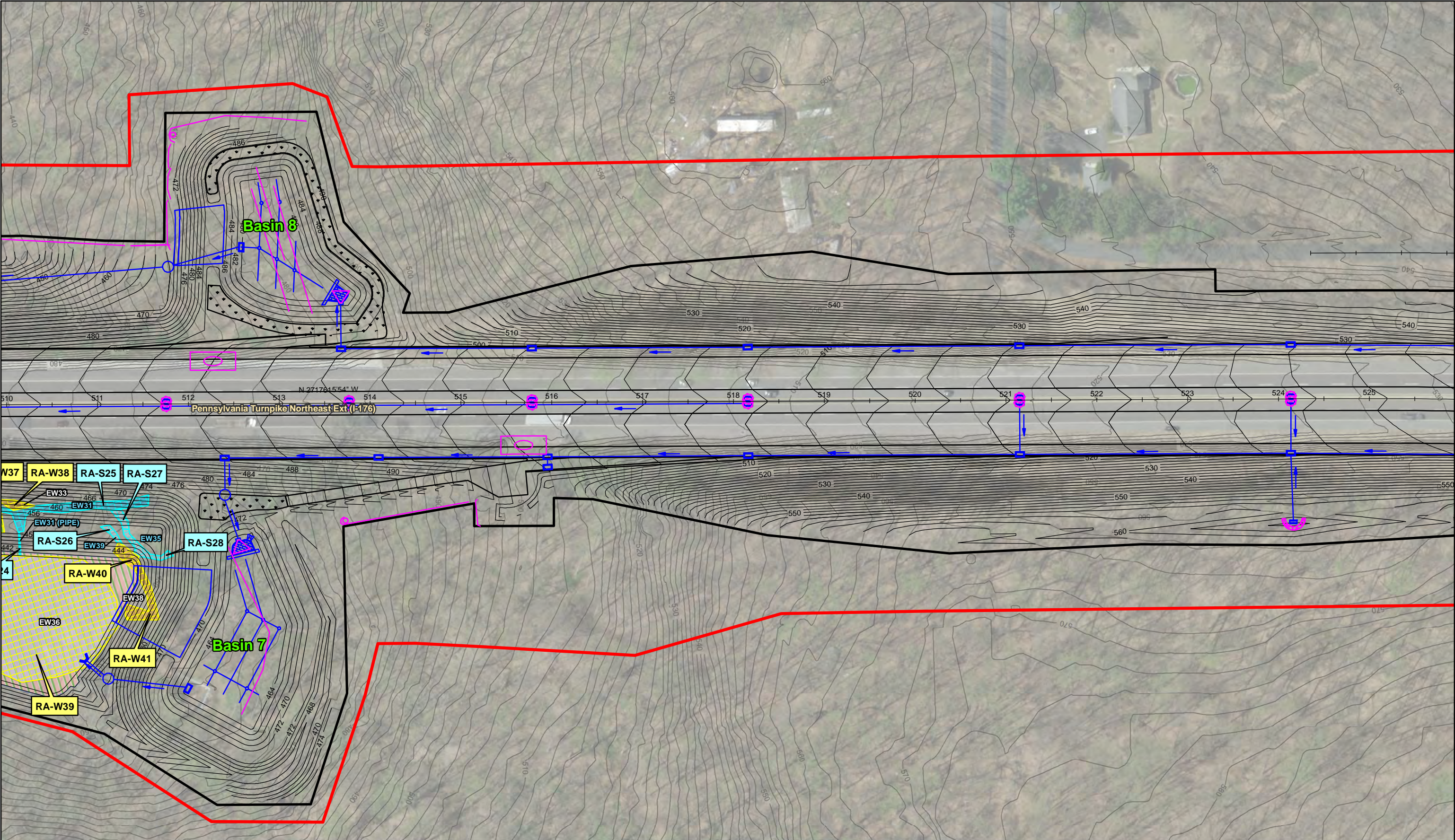
- PEM
- PFO
- PUB

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 10 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

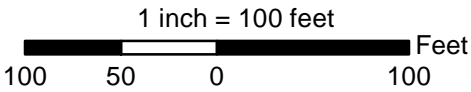
- Permanent
- Temporary
- Wetland Impact No.
- Wetland Enhancement Area

Wetlands

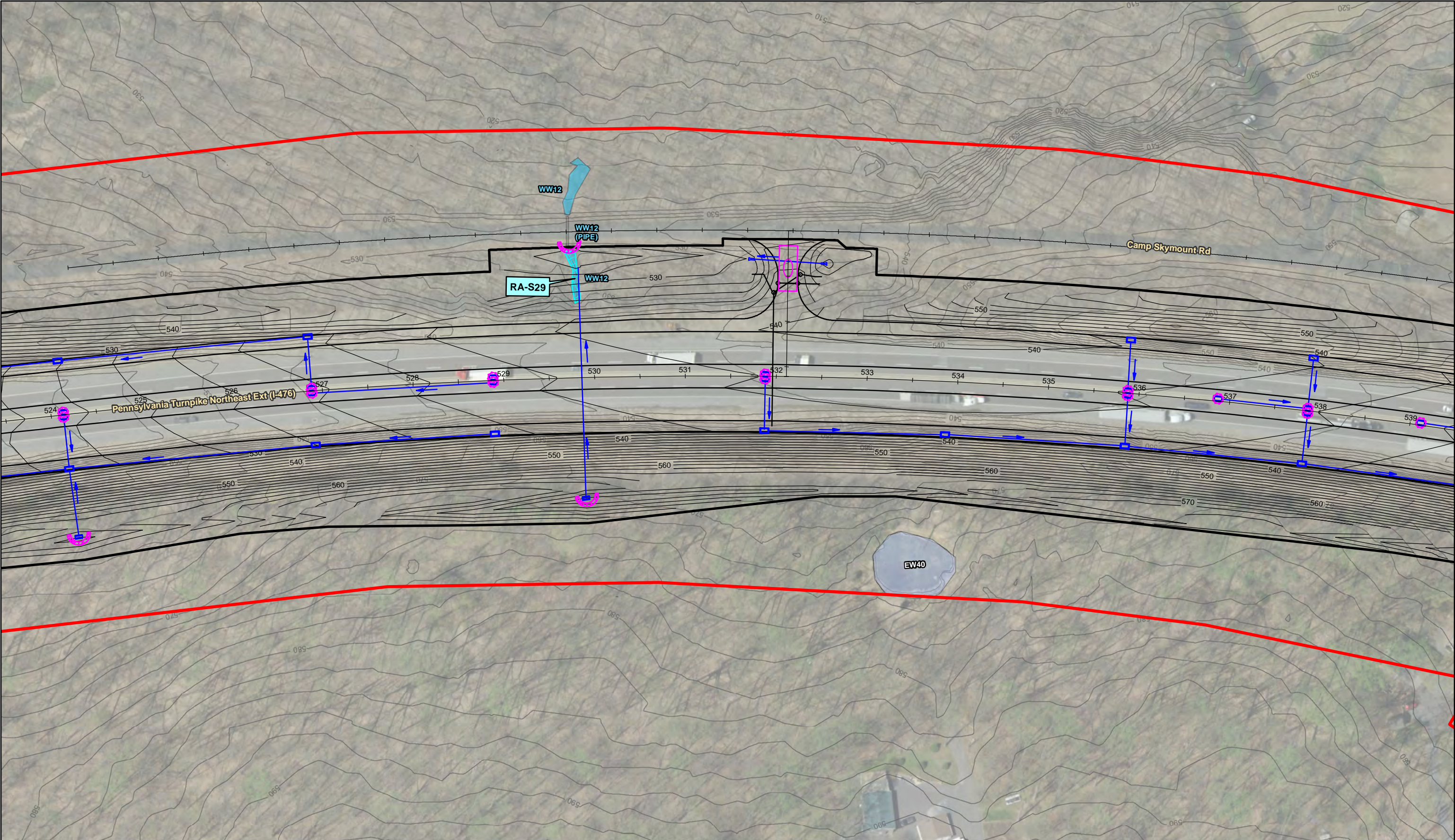
- PEM
- PFO
- PUB

Watercourses

- Ephemeral
- Intermittent
- Intermittent in Pipe



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 11 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

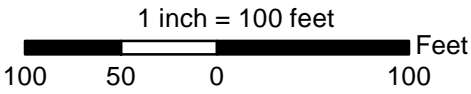
- Permanent
- Temporary
- Wetland Impact No.

Wetlands

- PUB

Watercourses

- Intermittent
- Intermittent in Pipe



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 12 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

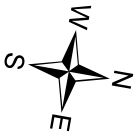
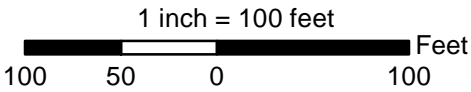
- Permanent
- Temporary
- Wetland Impact No.

Wetlands

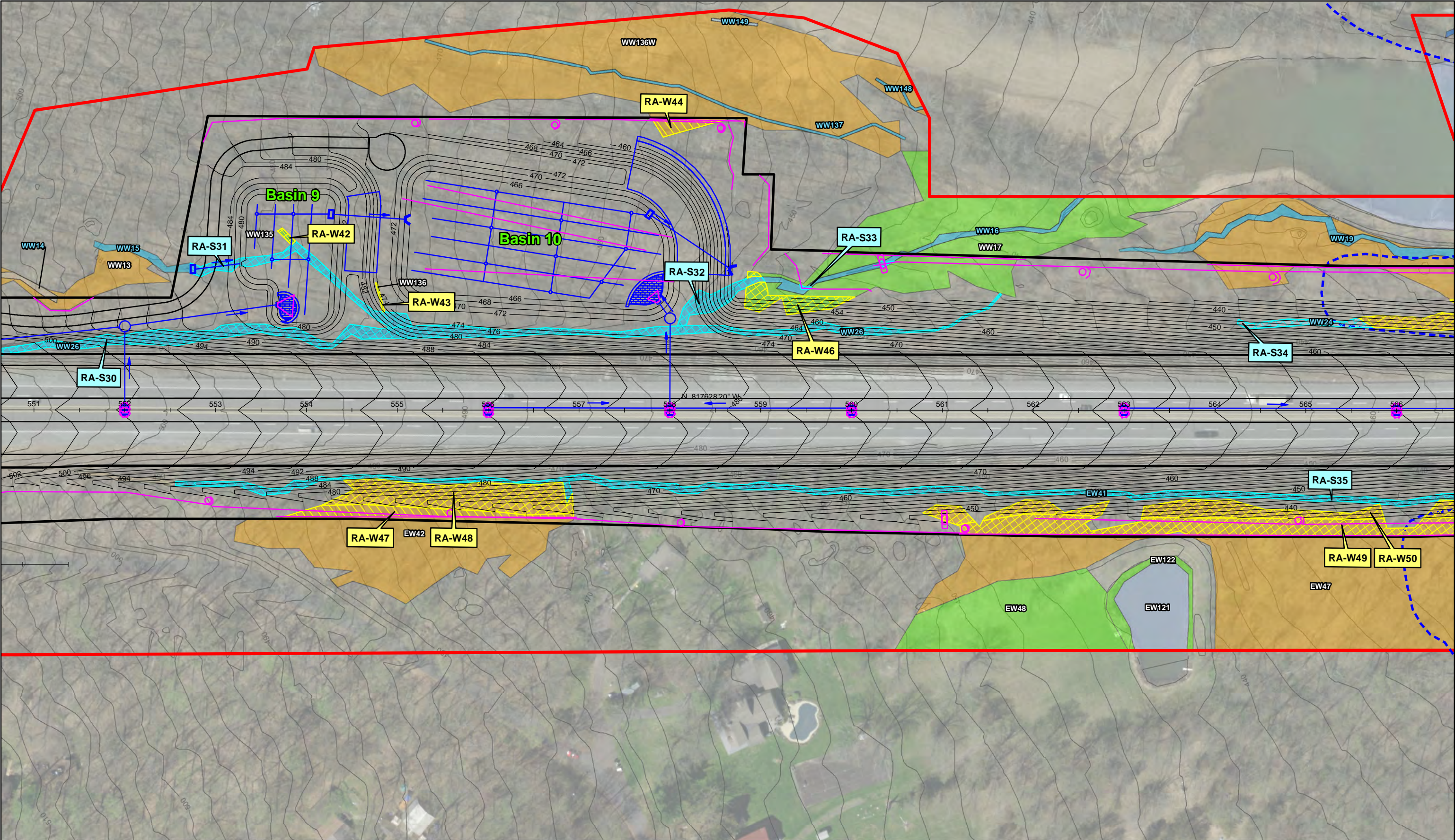
- PFO

Watercourses

- Intermittent
- Drainage Feature



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 13 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

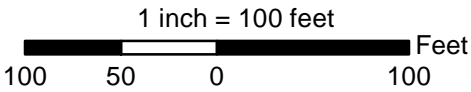
- Permanent
- Temporary
- Wetland Impact No.

Wetlands

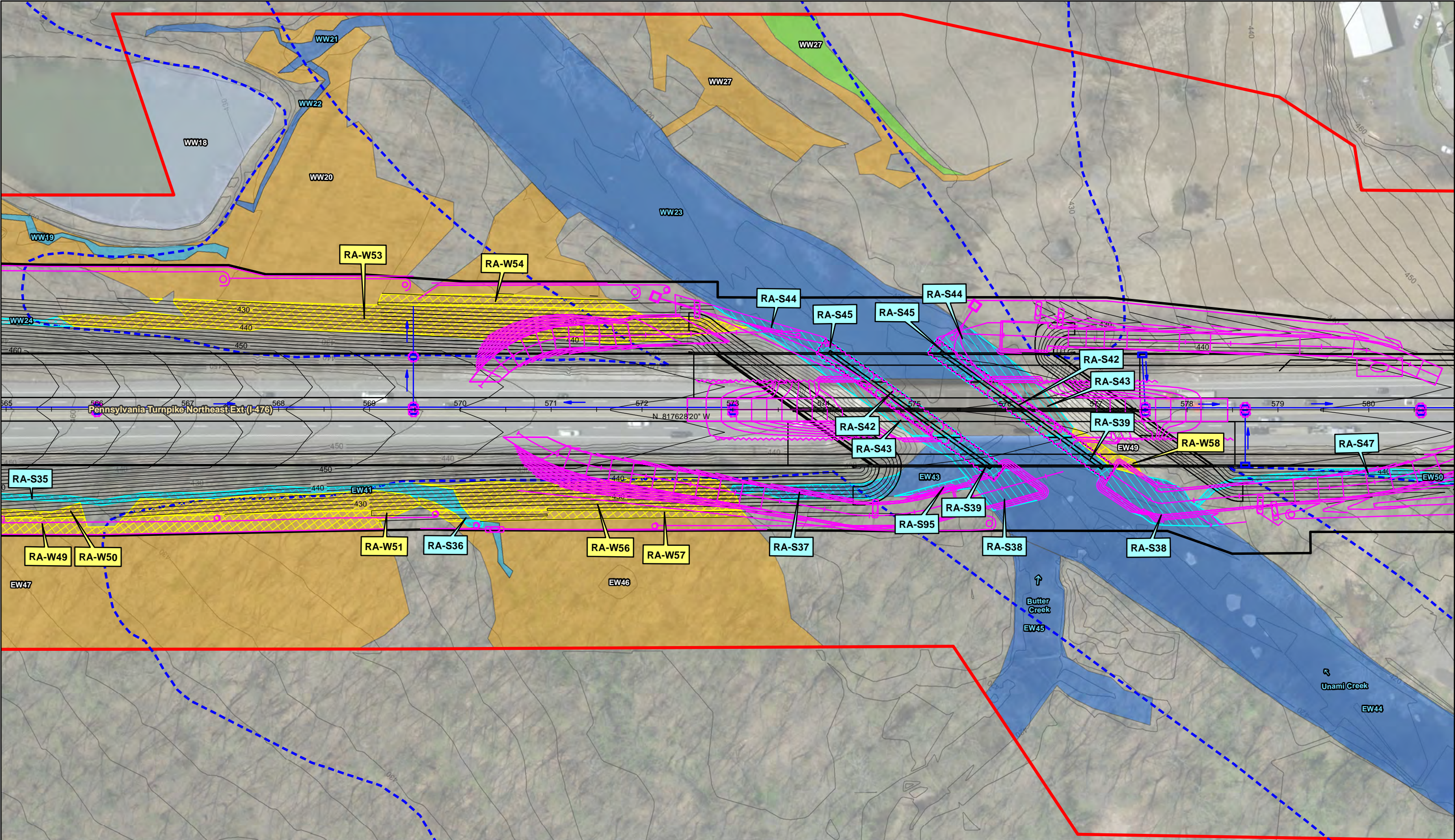
- PEM
- PFO
- PUB

Watercourses

- Ephemeral
- Intermittent
- 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
FOR USE BY THE U.S. ARMY CORPS OF ENGINEERS**

MAP SHEET 14 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
- PFO
- PUB

Watercourses

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

1 inch = 100 feet

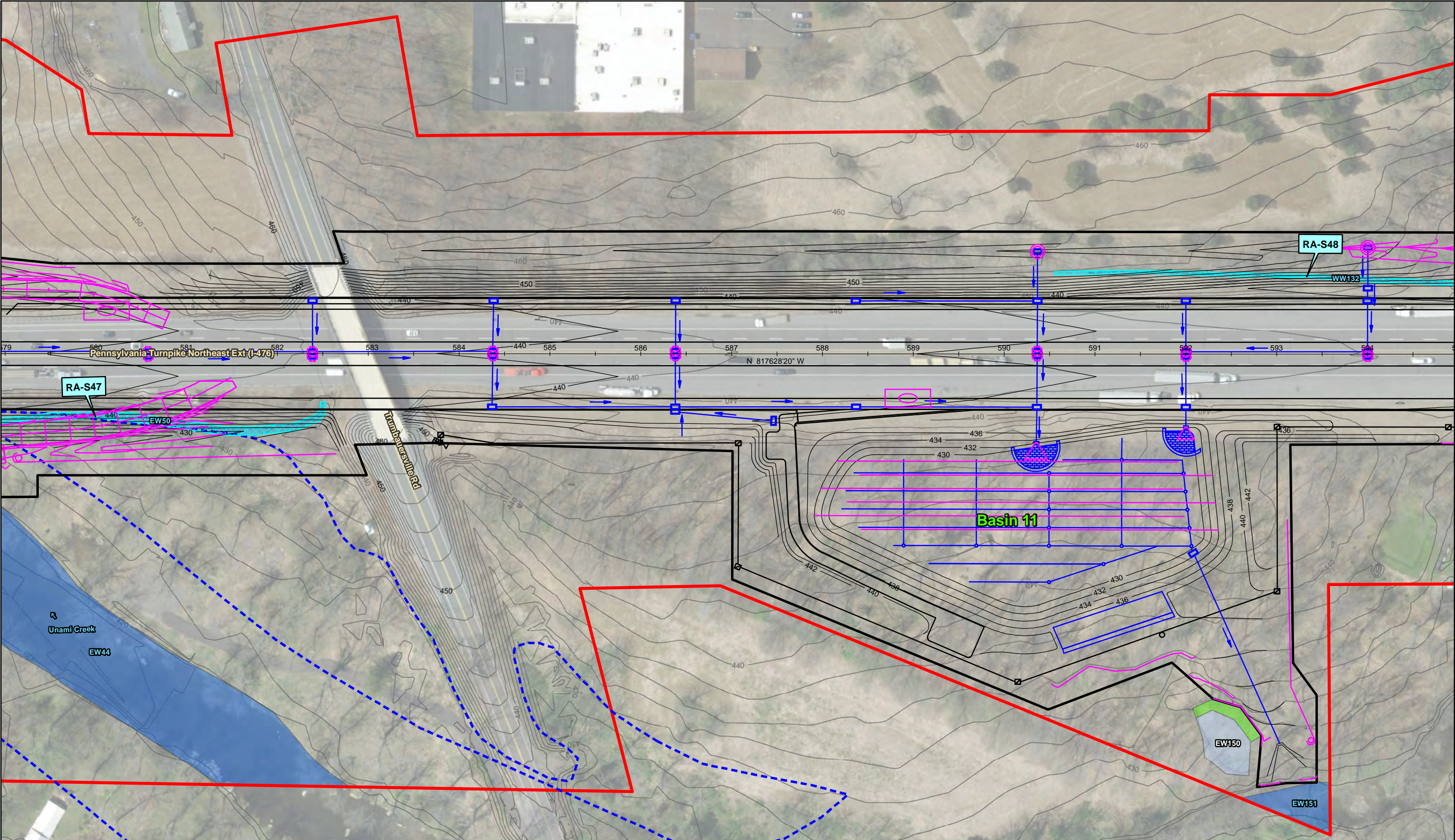
100 50 0 100 Feet

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).

North Arrow

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 15 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

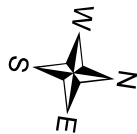
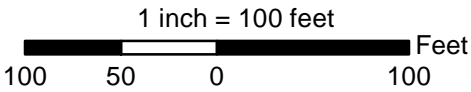
- Permanent
- Temporary
- Wetland Impact No.

Wetlands

- PEM
- PUB

Watercourses

- Intermittent
- Perennial
- 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).