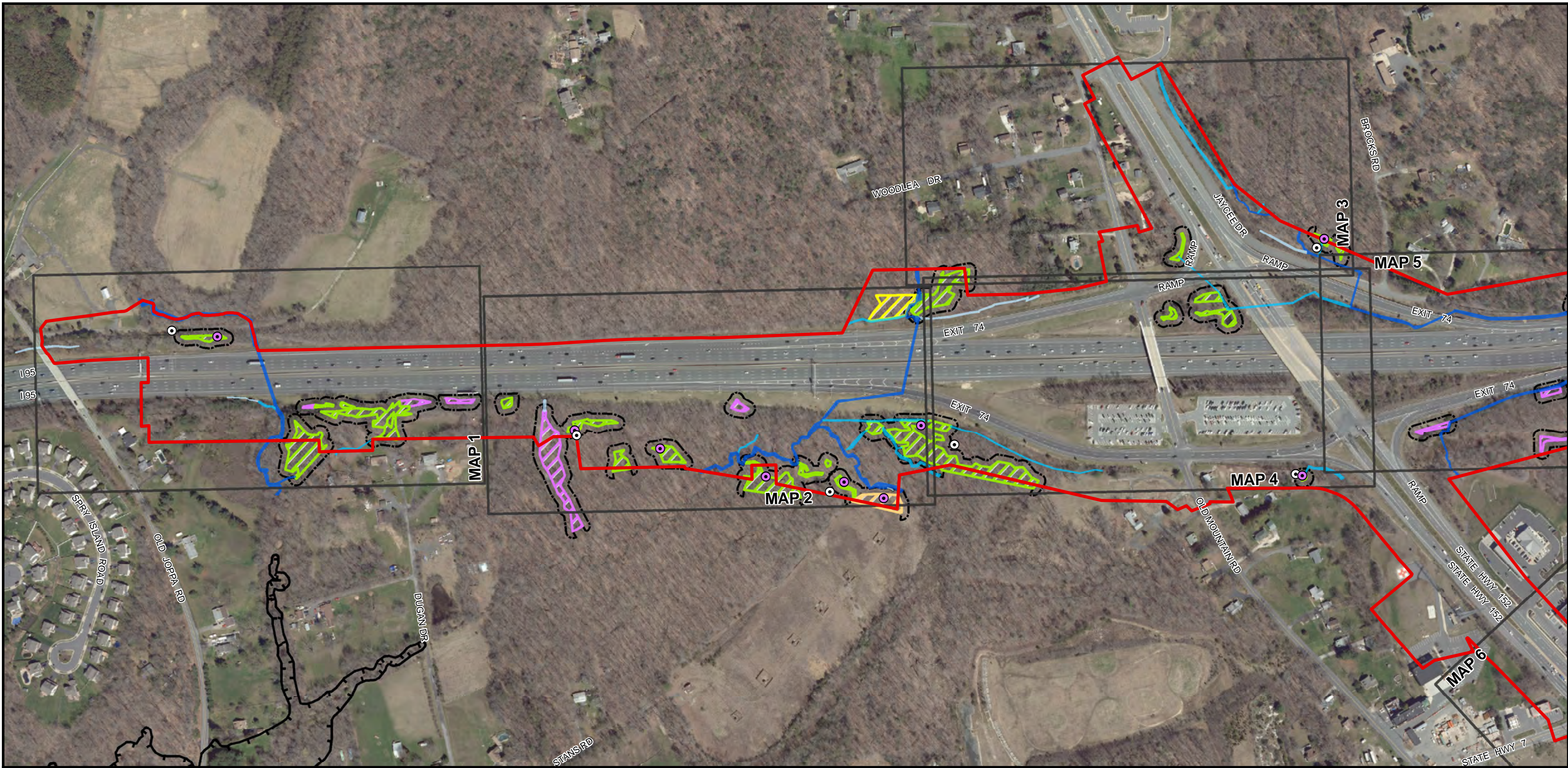
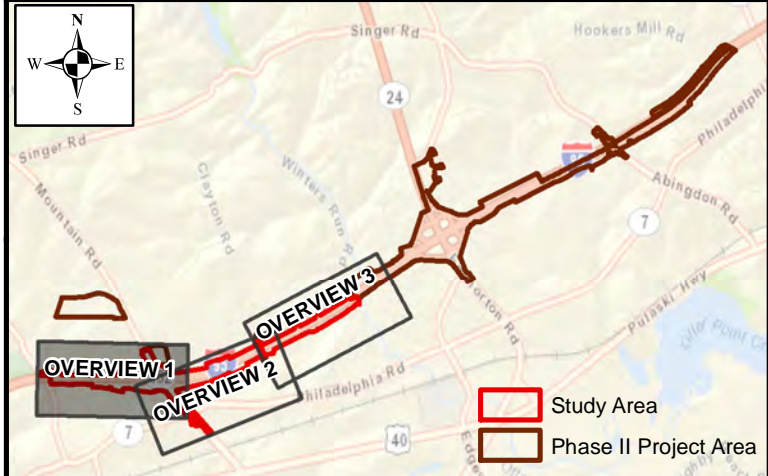




## APPENDIX C DELINEATED RESOURCE MAPS



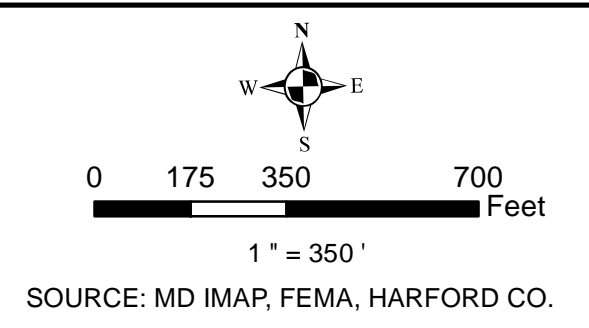
**I-95 ETL NORTHBOUND EXTENSION PHASE II**  
**A. KH-3019: MD 152 INTERCHANGE / I-95 NB ETL TWO-LANE EXTENSION / MD 152 NOISE WALL**  
**OVERVIEW MAP 1**

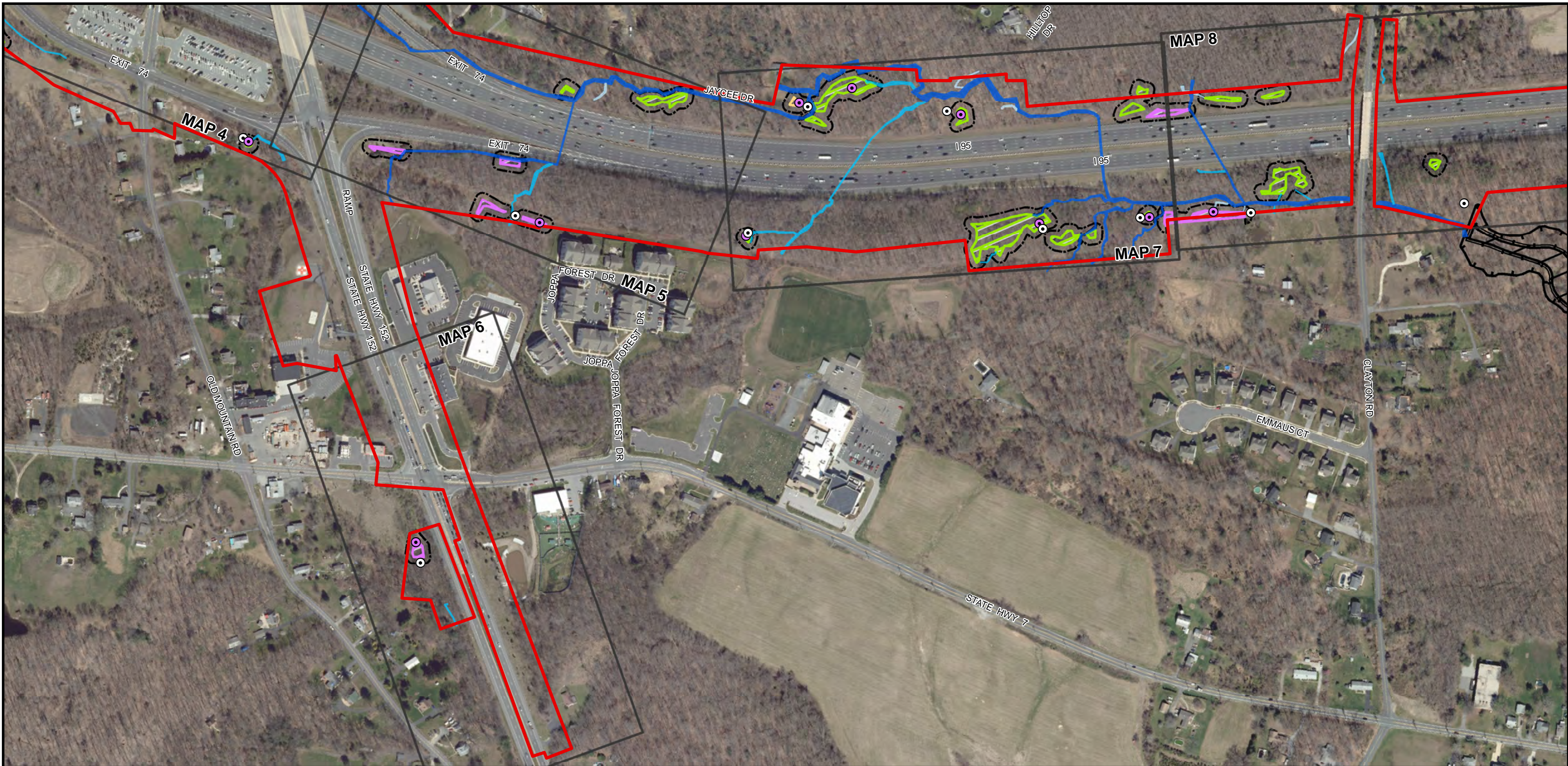


| Legend            |              | Sample Plots         | Delineated Wetlands | Delineated Streams |
|-------------------|--------------|----------------------|---------------------|--------------------|
| Study Area        | Map Boundary | Upland               | PFO, PFO/PEM        | Perennial          |
| 100-Yr Floodplain | Floodway     | Wetland              | PEM                 | Intermittent       |
|                   |              | 25-ft Wetland Buffer | PSS                 | Ephemeral          |
|                   |              |                      | No Auth. Req.       | No Auth. Req.      |

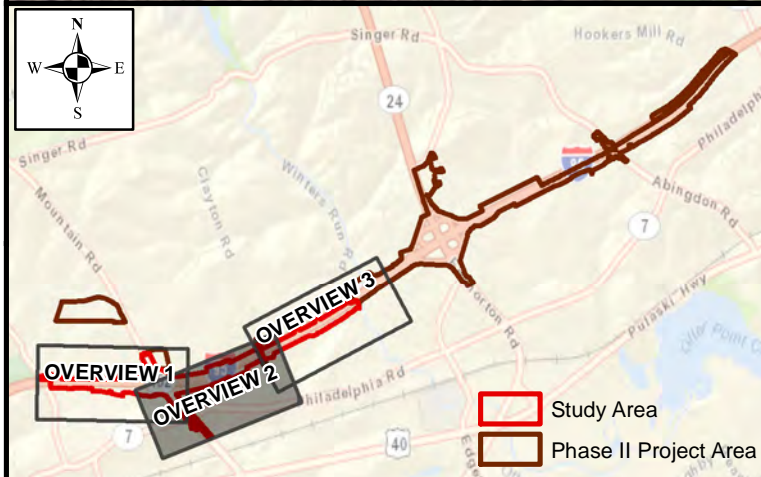


DATE: APRIL 2019





**I-95 ETL NORTHBOUND EXTENSION PHASE II  
A. KH-3019: MD 152 INTERCHANGE / I-95 NB ETL TWO-LANE EXTENSION / MD 152 NOISE WALL  
OVERVIEW MAP 2**



**Legend**

- Study Area
- Map Boundary
- 100-Yr Floodplain
- Floodway

**Sample Plots**

- Upland
- Wetland
- 25-ft Wetland Buffer

**Delineated Wetlands**

- PFO, PFO/PEM
- PEM
- PSS
- No Auth. Req.

**Delineated Streams**

- Perennial
- Intermittent
- Ephemeral
- No Auth. Req.



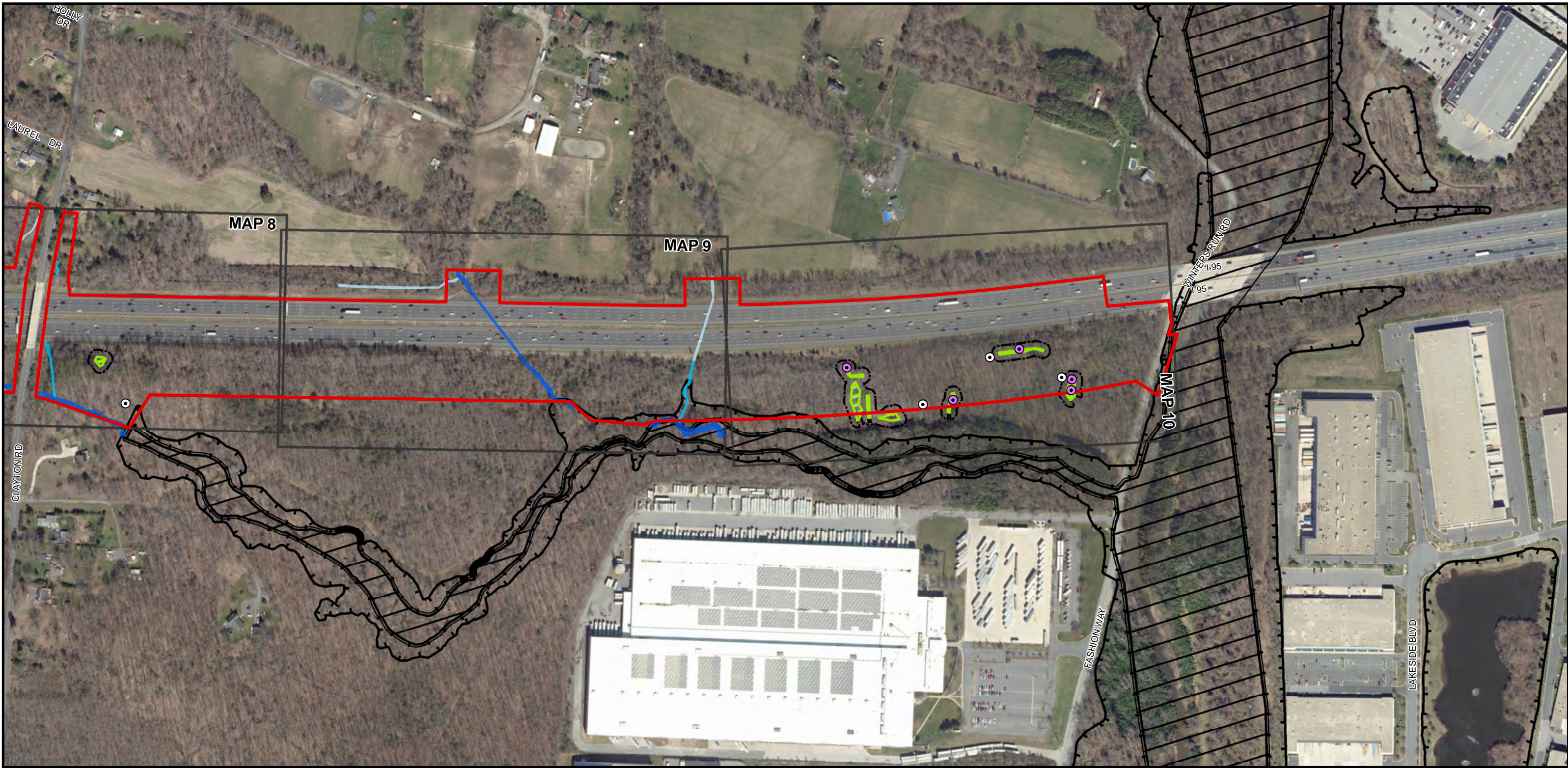
DATE: APRIL 2019



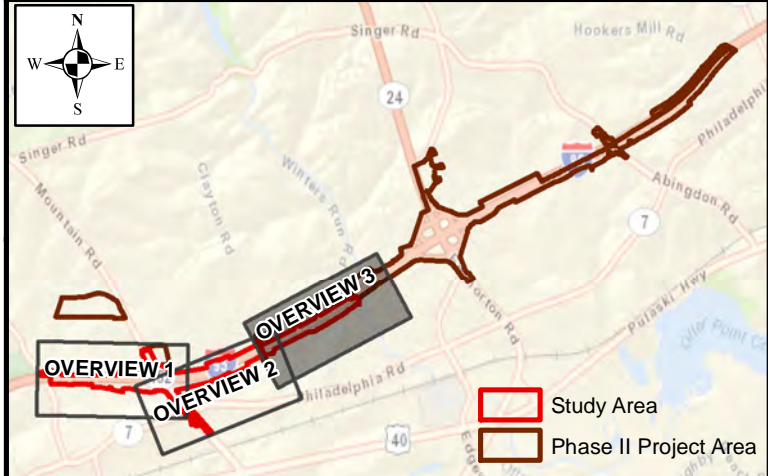
0 175 350 700 Feet

1" = 350'

SOURCE: MD IMAP, FEMA, HARFORD CO.



**I-95 ETL NORTHBOUND EXTENSION PHASE II**  
**A. KH-3019: MD 152 INTERCHANGE / I-95 NB ETL TWO-LANE EXTENSION / MD 152 NOISE WALL**  
**OVERVIEW MAP 3**



- Legend**
- Study Area
  - Map Boundary
  - 100-Yr Floodplain
  - Floodway

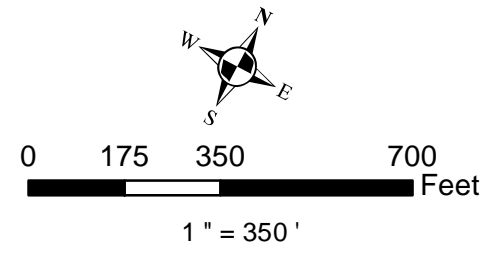
- Sample Plots**
- Upland
  - Wetland
  - 25-ft Wetland Buffer

- Delineated Wetlands**
- PFO, PFO/PEM
  - PEM
  - PSS
  - No Auth. Req.

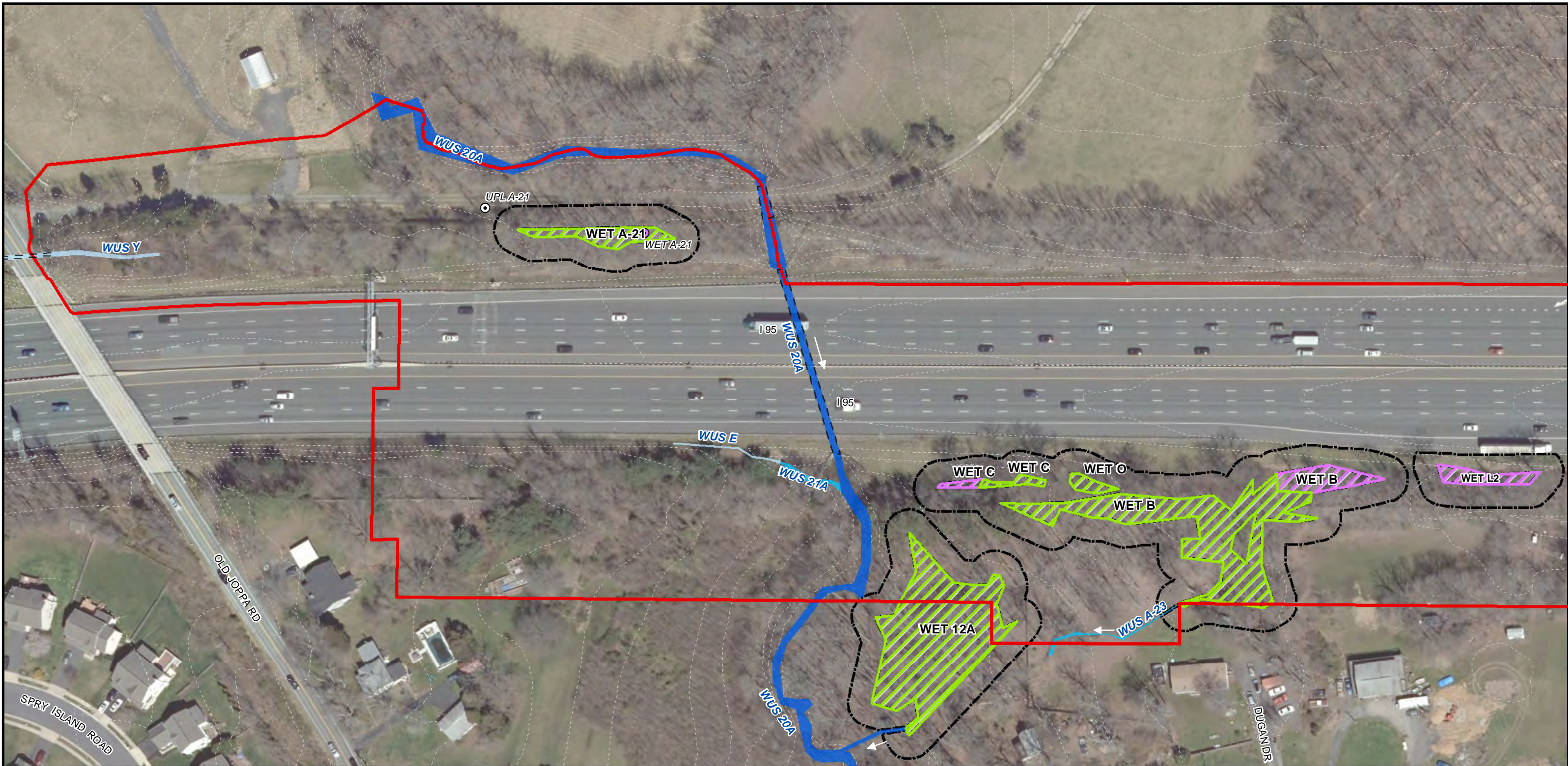
- Delineated Streams**
- Perennial
  - Intermittent
  - Ephemeral
  - No Auth. Req.



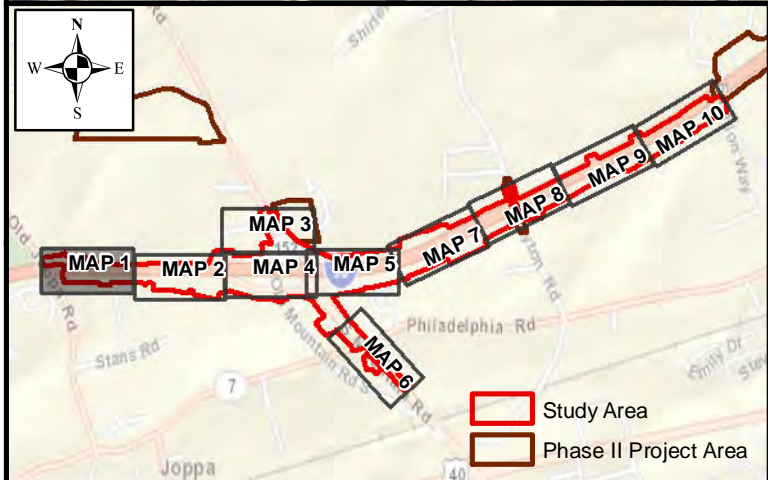
DATE: APRIL 2019



SOURCE: MD IMAP, FEMA, HARFORD CO.



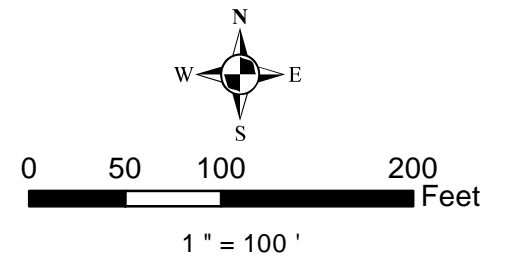
**I-95 ETL NORTHBOUND EXTENSION PHASE II  
A. KH-3019: MD 152 INTERCHANGE / I-95 NB ETL TWO-LANE EXTENSION / MD 152 NOISE WALL  
DELINEATED RESOURCE MAP 1**



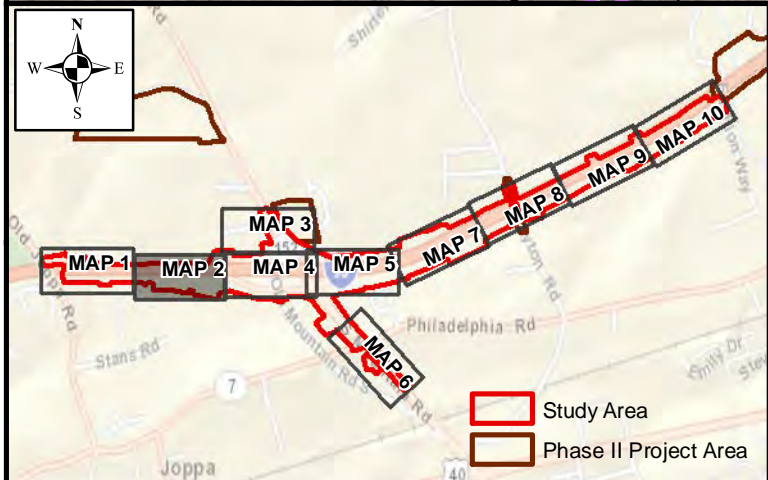
| Legend            |                      | Sample Plots  | Delineated Wetlands | Delineated Streams |
|-------------------|----------------------|---------------|---------------------|--------------------|
| Study Area        | Map Boundary         | Upland        | PFO, PFO/PEM        | Perennial          |
| 100-Yr Floodplain | Floodway             | Wetland       | PEM                 | Intermittent       |
| Culverted Stream  | 25-ft Wetland Buffer | 2-Ft Contours | PSS                 | Ephemeral          |
|                   |                      |               | No Auth. Req.       | No Auth. Req.      |



DATE: APRIL 2019



SOURCE: MD IMAP, FEMA, HARFORD CO.

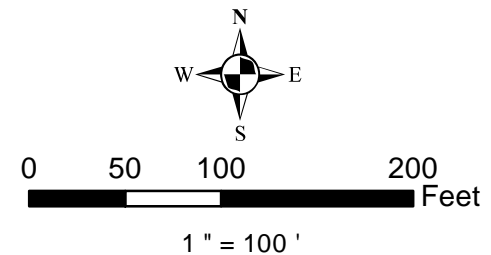


**I-95 ETL NORTHBOUND EXTENSION PHASE II**  
**A. KH-3019: MD 152 INTERCHANGE / I-95 NB ETL TWO-LANE EXTENSION / MD 152 NOISE WALL**  
**DELINEATED RESOURCE MAP 2**

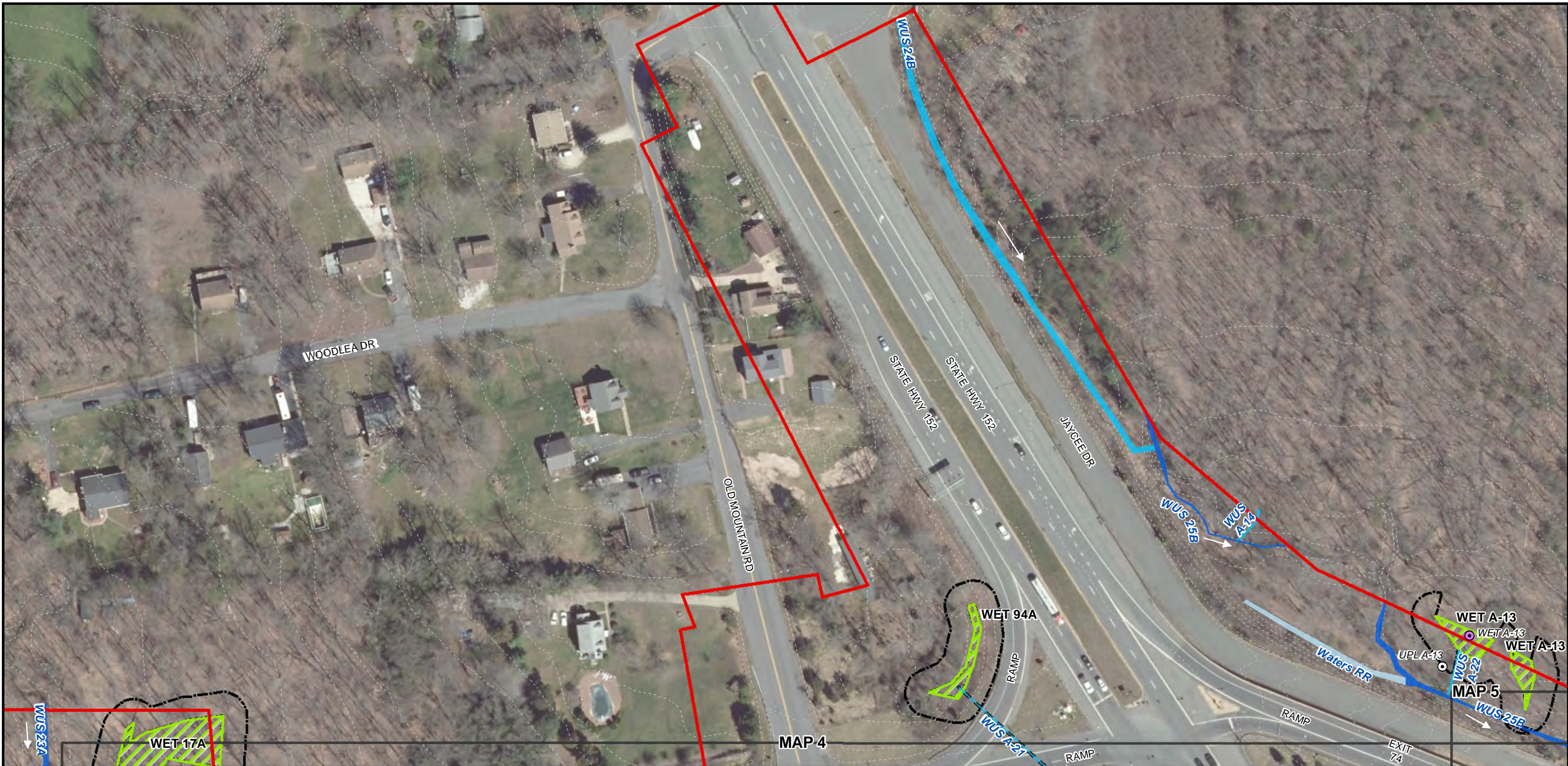
| Legend               |                   | Sample Plots         | Delineated Wetlands | Delineated Streams |
|----------------------|-------------------|----------------------|---------------------|--------------------|
| Study Area           | 100-Yr Floodplain | Upland               | PFO, PFO/PEM        | Perennial          |
| Map Boundary         | Floodway          | Wetland              | PEM                 | Intermittent       |
| 2-Ft Contours        | Culverted Stream  | 2-Ft Contours        | PSS                 | Ephemeral          |
| 25-ft Wetland Buffer |                   | 25-ft Wetland Buffer | No Auth. Req.       | No Auth. Req.      |



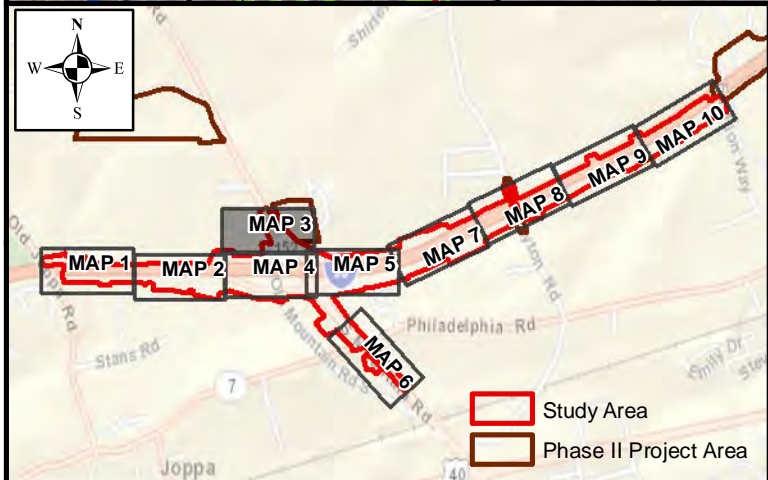
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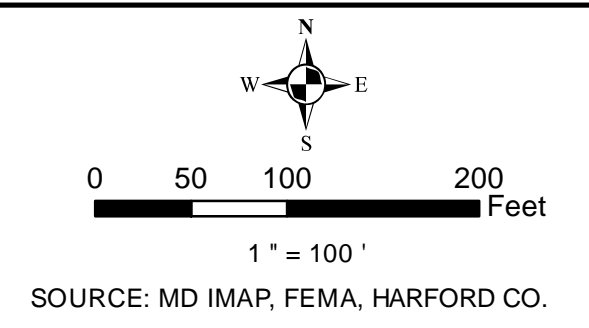
SOURCE: MD IMAP, FEMA, HARFORD CO.



**I-95 ETL NORTHBOUND EXTENSION PHASE II  
A. KH-3019: MD 152 INTERCHANGE / I-95 NB ETL TWO-LANE EXTENSION / MD 152 NOISE WALL  
DELINEATED RESOURCE MAP 3**



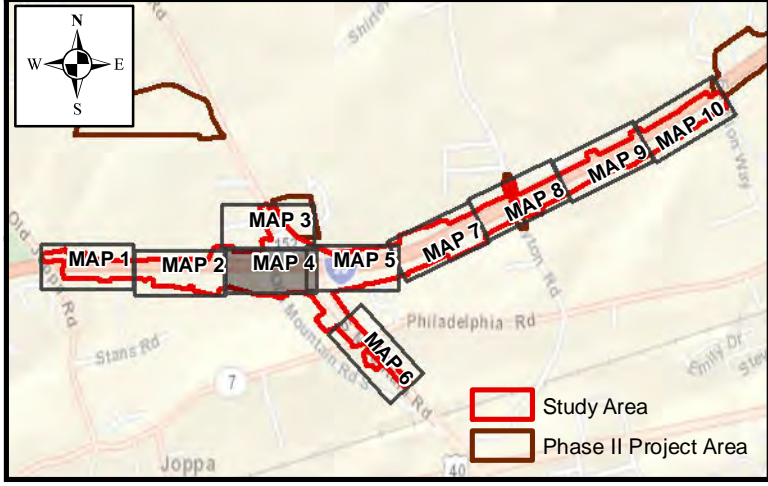
| Legend               |                      | Sample Plots  | Delineated Wetlands | Delineated Streams |
|----------------------|----------------------|---------------|---------------------|--------------------|
| Study Area           | Map Boundary         | Upland        | PFO, PFO/PEM        | Perennial          |
| 100-Yr Floodplain    | Floodway             | Wetland       | PEM                 | Intermittent       |
| Culverted Stream     | 2-Ft Contours        | PSS           | No Auth. Req.       | Ephemeral          |
| 25-ft Wetland Buffer | 25-ft Wetland Buffer | No Auth. Req. | No Auth. Req.       | No Auth. Req.      |



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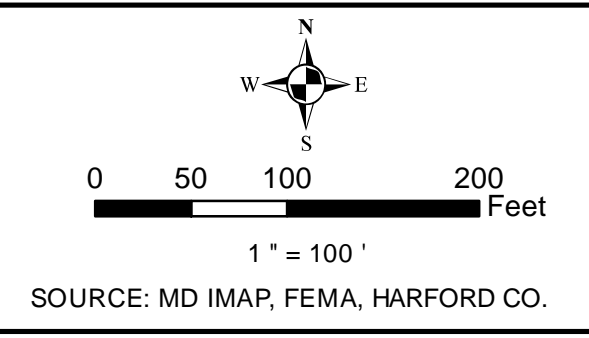
**I-95 ETL NORTHBOUND EXTENSION PHASE II  
A. KH-3019: MD 152 INTERCHANGE / I-95 NB ETL TWO-LANE EXTENSION / MD 152 NOISE WALL  
DELINEATED RESOURCE MAP 4**



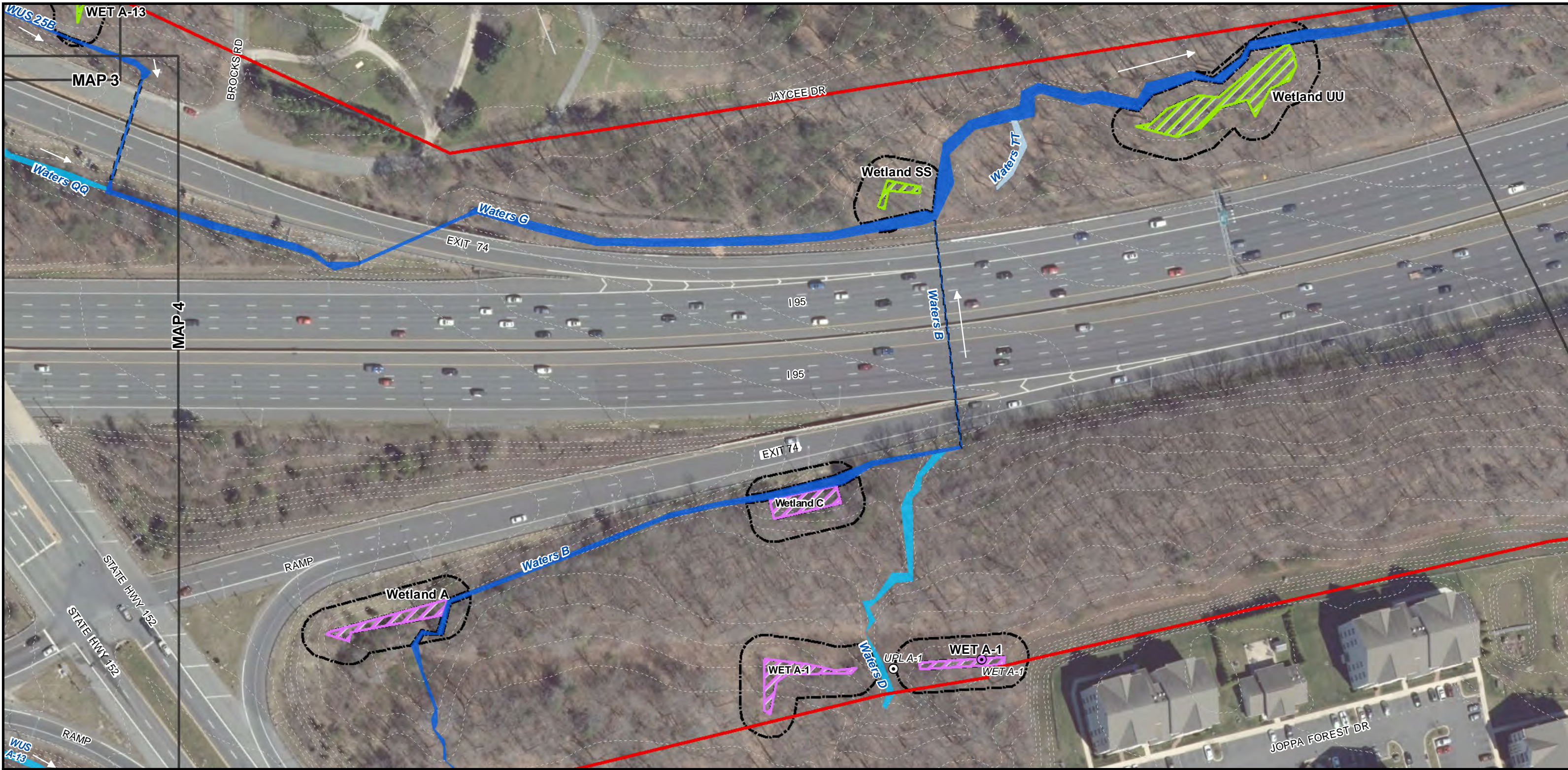
| Legend               |                   | Sample Plots         | Delineated Wetlands | Delineated Streams |
|----------------------|-------------------|----------------------|---------------------|--------------------|
| Study Area           | 100-Yr Floodplain | Upland               | PFO, PFO/PEM        | Perennial          |
| Map Boundary         | Floodway          | Wetland              | PEM                 | Intermittent       |
| 2-Ft Contours        | Culverted Stream  | 2-Ft Contours        | PSS                 | Ephemeral          |
| 25-ft Wetland Buffer |                   | 25-ft Wetland Buffer | No Auth. Req.       | No Auth. Req.      |



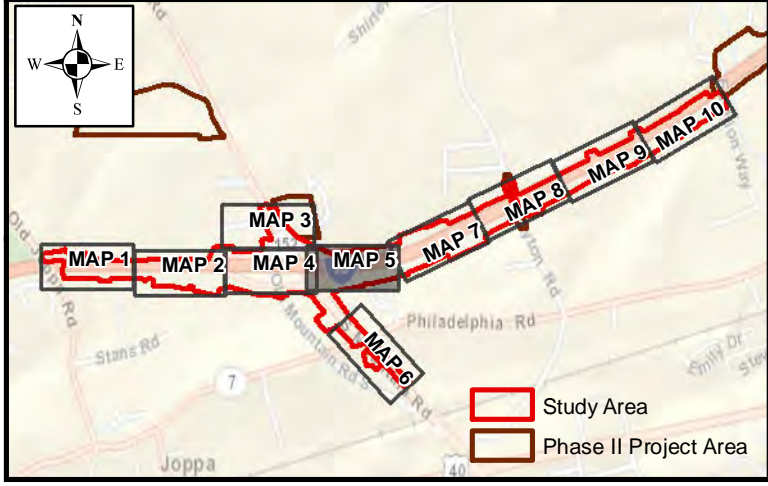
DATE: APRIL 2019







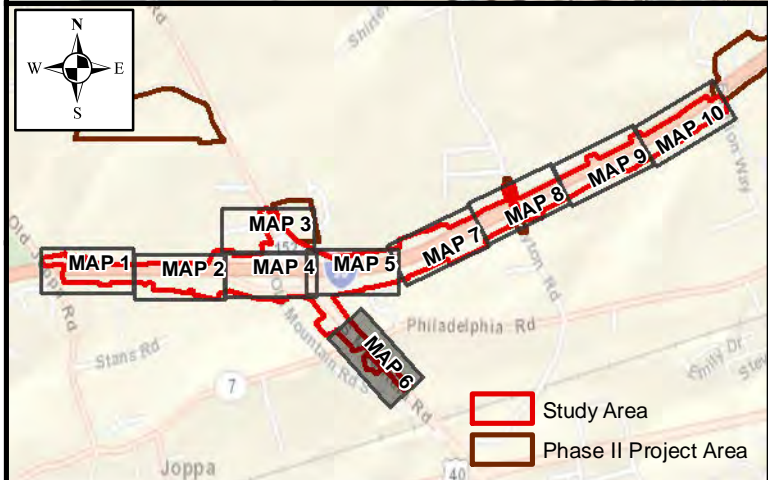
**I-95 ETL NORTHBOUND EXTENSION PHASE II**  
**A. KH-3019: MD 152 INTERCHANGE / I-95 NB ETL TWO-LANE EXTENSION / MD 152 NOISE WALL**  
**DELINEATED RESOURCE MAP 5**



| Legend            |              | Sample Plots  |                      | Delineated Wetlands |               | Delineated Streams |               |
|-------------------|--------------|---------------|----------------------|---------------------|---------------|--------------------|---------------|
| Study Area        | Map Boundary | Upland        | Wetland              | PFO, PFO/PEM        | Perennial     | MDTA               | JMT           |
| 100-Yr Floodplain | Floodway     | 2-Ft Contours | 25-ft Wetland Buffer | PEM                 | Intermittent  | 0 50 100 200 Feet  | N<br>W E<br>S |
| Culverted Stream  |              |               |                      | PSS                 | Ephemeral     |                    |               |
|                   |              |               |                      | No Auth. Req.       | No Auth. Req. |                    |               |

DATE: APRIL 2019

SOURCE: MD IMAP, FEMA, HARFORD CO.

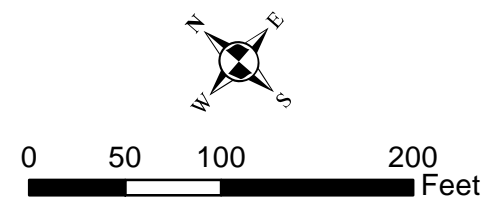


**I-95 ETL NORTHBOUND EXTENSION PHASE II  
A. KH-3019: MD 152 INTERCHANGE / I-95 NB ETL TWO-LANE EXTENSION / MD 152 NOISE WALL  
DELINEATED RESOURCE MAP 6**

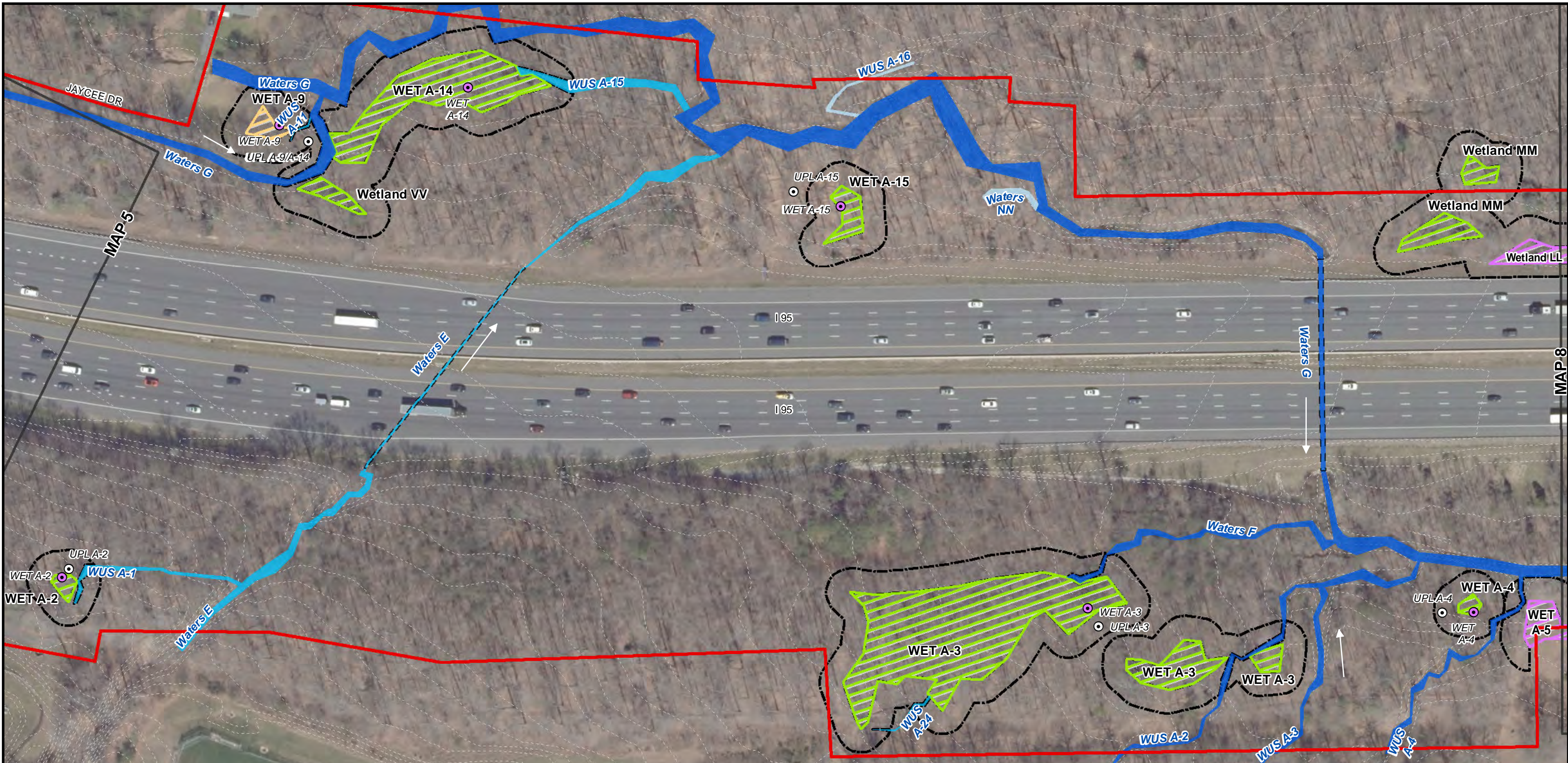
| Legend            |                      | Sample Plots  | Delineated Wetlands | Delineated Streams |
|-------------------|----------------------|---------------|---------------------|--------------------|
| Study Area        | Map Boundary         | Upland        | PFO, PFO/PEM        | Perennial          |
| 100-Yr Floodplain | Floodway             | Wetland       | PEM                 | Intermittent       |
| Culverted Stream  | 25-ft Wetland Buffer | 2-Ft Contours | PSS                 | Ephemeral          |
|                   |                      |               | No Auth. Req.       | No Auth. Req.      |



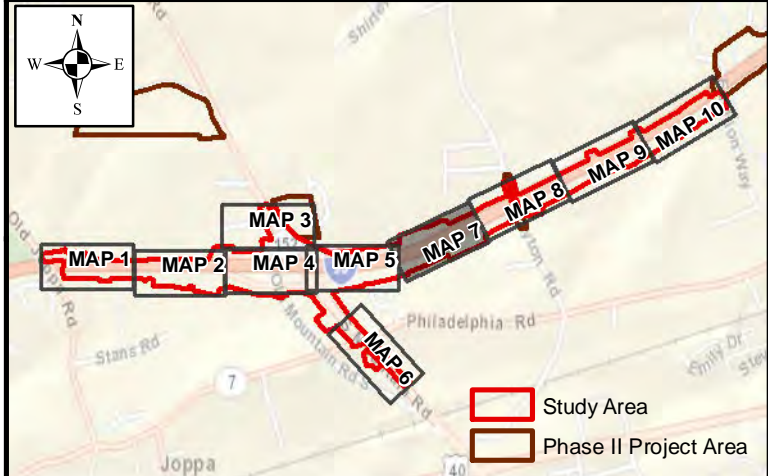
DATE: APRIL 2019



SOURCE: MD IMAP, FEMA, HARFORD CO.



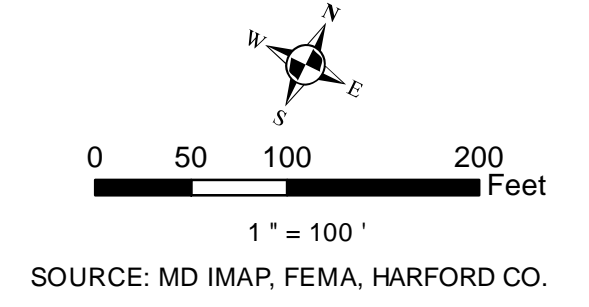
**I-95 ETL NORTHBOUND EXTENSION PHASE II  
A. KH-3019: MD 152 INTERCHANGE / I-95 NB ETL TWO-LANE EXTENSION / MD 152 NOISE WALL  
DELINEATED RESOURCE MAP 7**

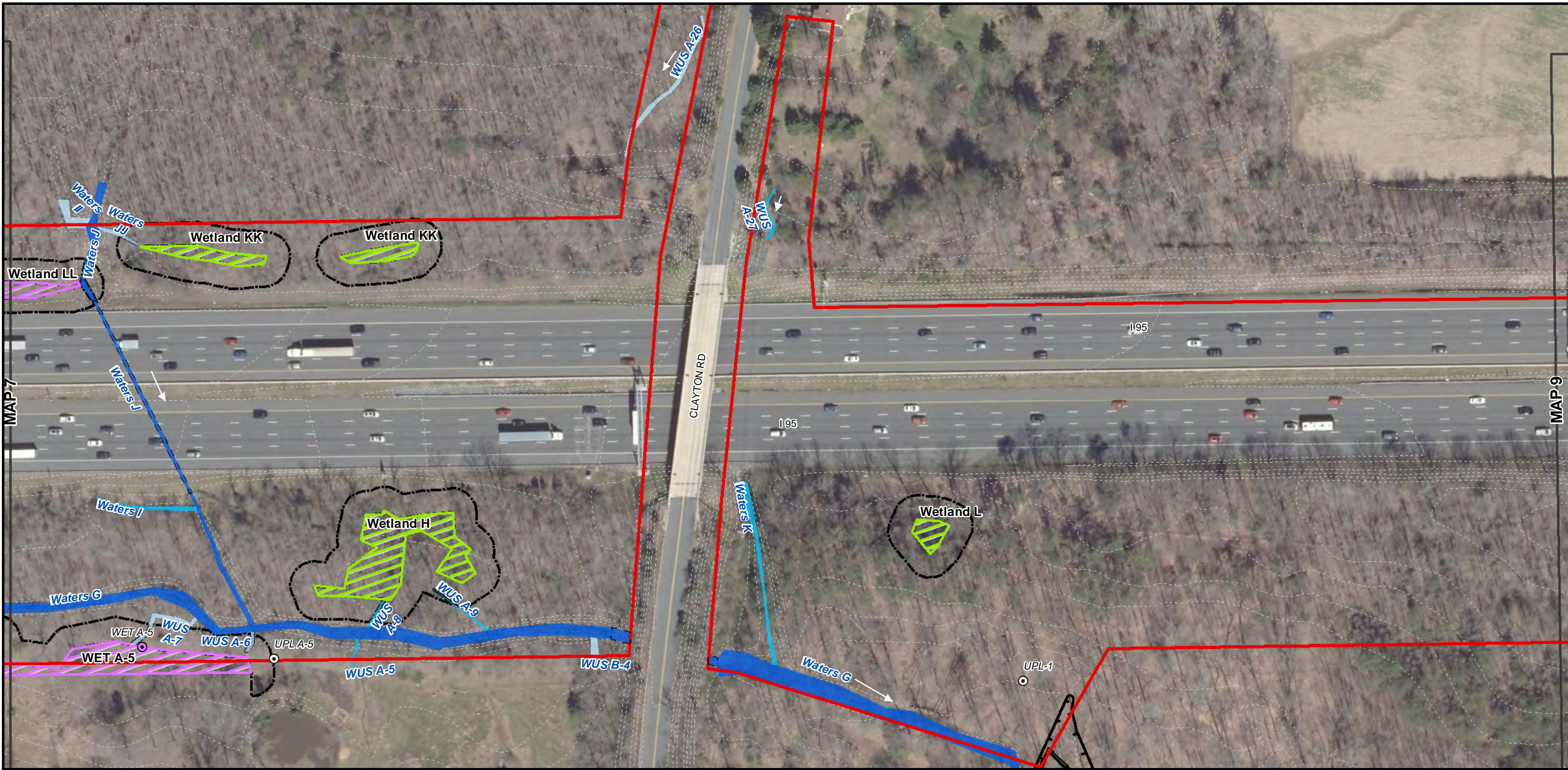


| Legend            |                      | Sample Plots  | Delineated Wetlands | Delineated Streams |
|-------------------|----------------------|---------------|---------------------|--------------------|
| Study Area        | Map Boundary         | Upland        | PFO, PFO/PEM        | Perennial          |
| 100-Yr Floodplain | Floodway             | Wetland       | PEM                 | Intermittent       |
| Culverted Stream  | 25-ft Wetland Buffer | 2-Ft Contours | PSS                 | Ephemeral          |
|                   |                      |               | No Auth. Req.       | No Auth. Req.      |

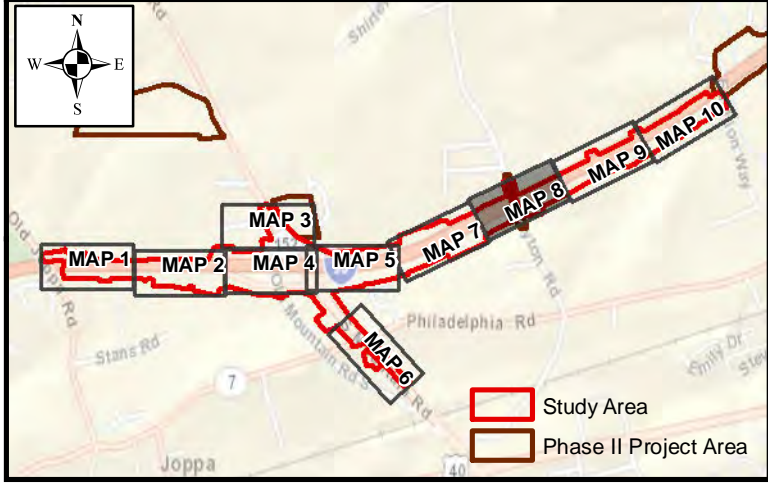


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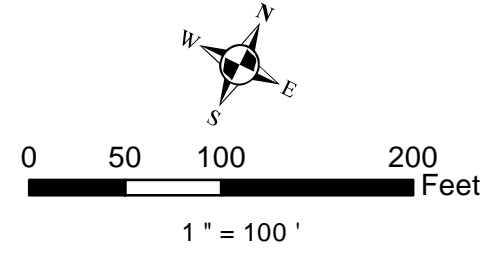




**I-95 ETL NORTHBOUND EXTENSION PHASE II  
A. KH-3019: MD 152 INTERCHANGE / I-95 NB ETL TWO-LANE EXTENSION / MD 152 NOISE WALL  
DELINEATED RESOURCE MAP 8**

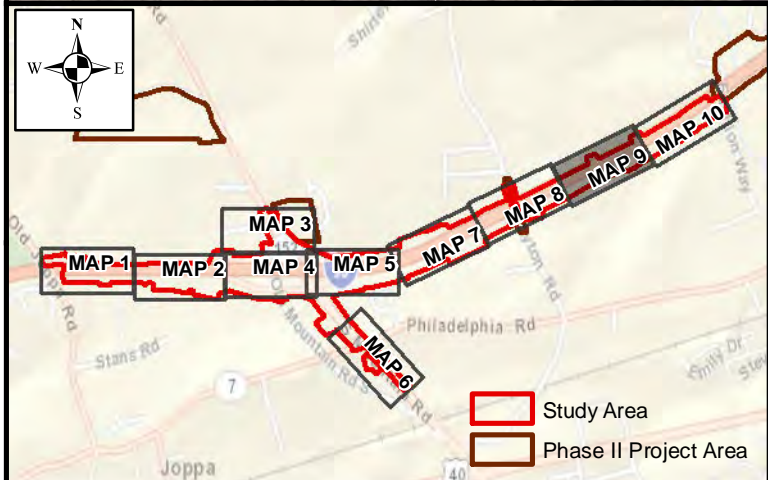
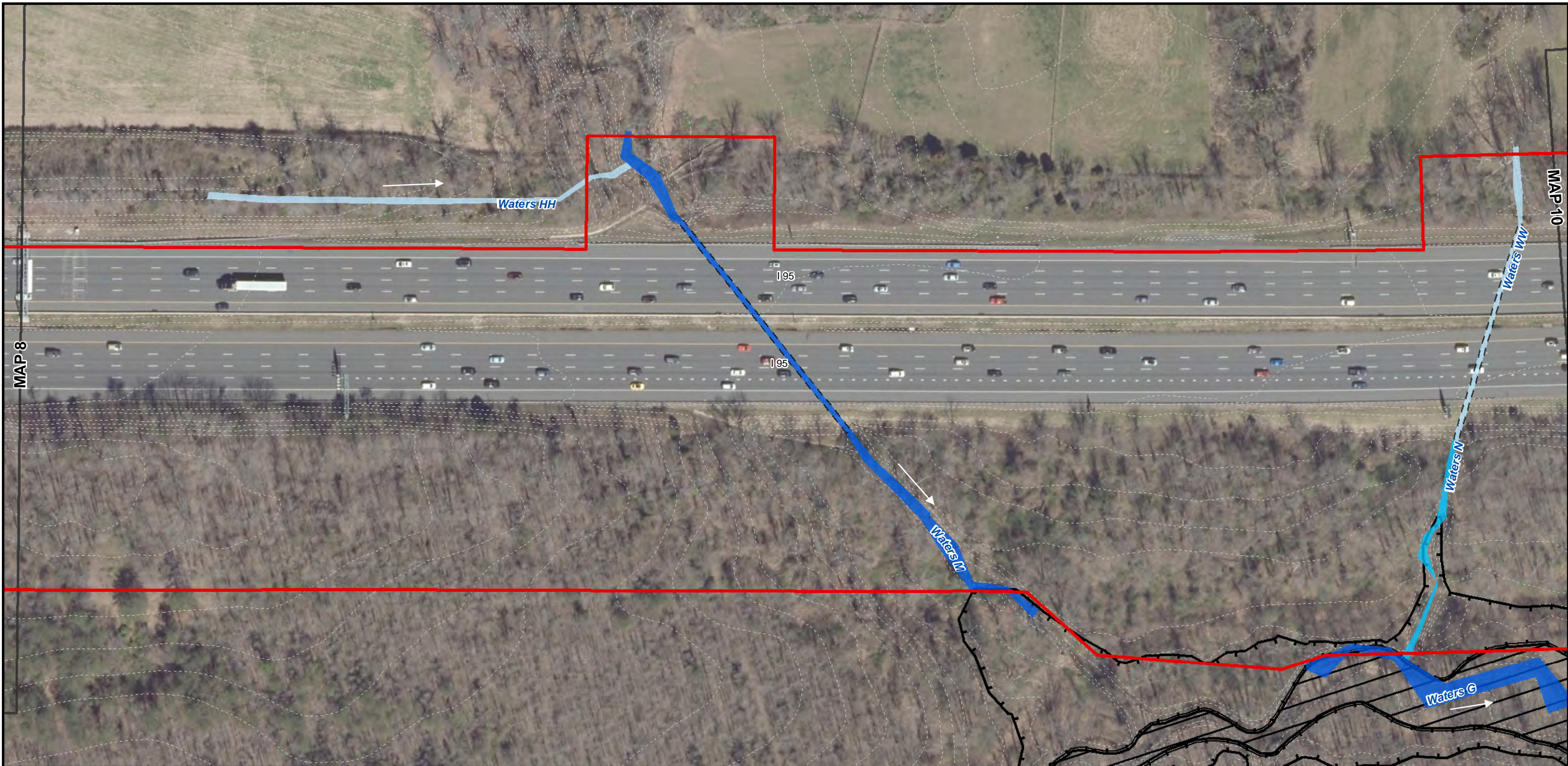


| Legend            |               | Sample Plots         | Delineated Wetlands | Delineated Streams |
|-------------------|---------------|----------------------|---------------------|--------------------|
| Study Area        | Map Boundary  | Upland               | PFO, PFO/PEM        | Perennial          |
| 100-Yr Floodplain | Floodway      | Wetland              | PEM                 | Intermittent       |
| Culverted Stream  | 2-Ft Contours | 25-ft Wetland Buffer | PSS                 | Ephemeral          |
|                   |               |                      | No Auth. Req.       | No Auth. Req.      |



DATE: APRIL 2019

SOURCE: MD IMAP, FEMA, HARFORD CO.



**I-95 ETL NORTHBOUND EXTENSION PHASE II  
A. KH-3019: MD 152 INTERCHANGE / I-95 NB ETL TWO-LANE EXTENSION / MD 152 NOISE WALL  
DELINEATED RESOURCE MAP 9**

**Legend**

- Study Area
- Map Boundary
- 100-Yr Floodplain
- Floodway
- Culverted Stream

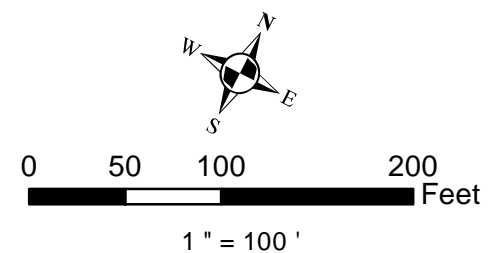
- Sample Plots**
- Upland
  - Wetland
  - 2-Ft Contours
  - 25-ft Wetland Buffer

- Delineated Wetlands**
- PFO, PFO/PEM
  - PEM
  - PSS
  - No Auth. Req.

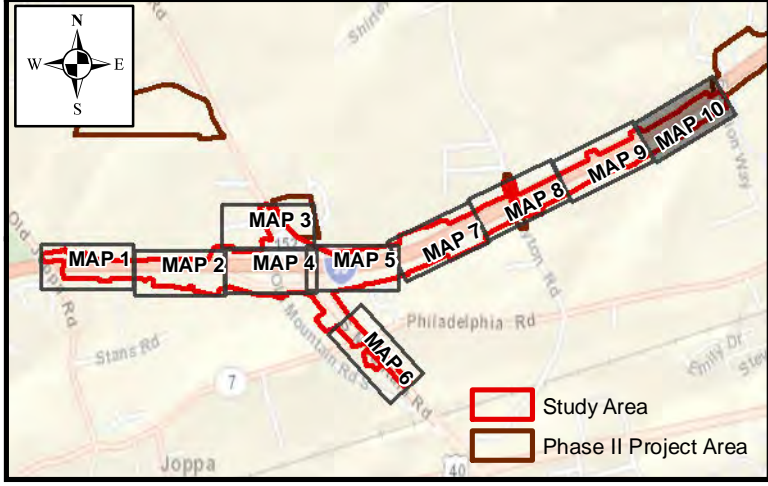
- Delineated Streams**
- Perennial
  - Intermittent
  - Ephemeral
  - No Auth. Req.



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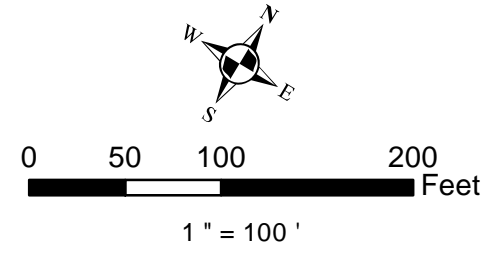


SOURCE: MD IMAP, FEMA, HARFORD CO.



**I-95 ETL NORTHBOUND EXTENSION PHASE II**  
**A. KH-3019: MD 152 INTERCHANGE / I-95 NB ETL TWO-LANE EXTENSION / MD 152 NOISE WALL**  
**DELINEATED RESOURCE MAP 10**

| Legend            |               | Sample Plots         | Delineated Wetlands | Delineated Streams |
|-------------------|---------------|----------------------|---------------------|--------------------|
| Study Area        | Map Boundary  | Upland               | PFO, PFO/PEM        | Perennial          |
| 100-Yr Floodplain | Floodway      | Wetland              | PEM                 | Intermittent       |
| Floodway          | 2-Ft Contours | 25-ft Wetland Buffer | PSS                 | Ephemeral          |
| Culverted Stream  |               |                      | No Auth. Req.       | No Auth. Req.      |

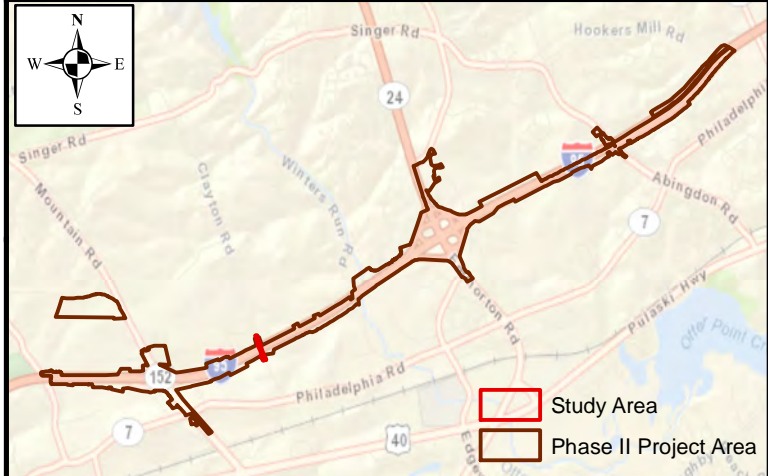


DATE: APRIL 2019

SOURCE: MD IMAP, FEMA, HARFORD CO.



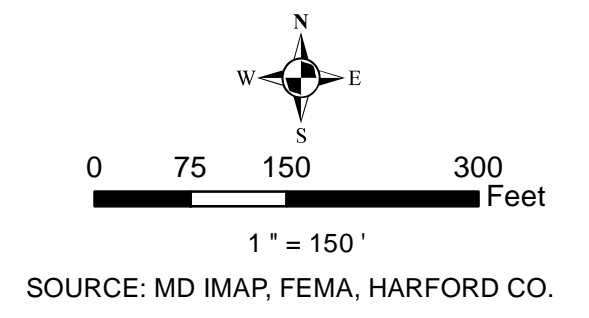
**I-95 ETL NORTHBOUND EXTENSION PHASE II  
B. KH-3022: CLAYTON ROAD OVERPASS RECONSTRUCTION  
DELINEATED RESOURCE MAP**

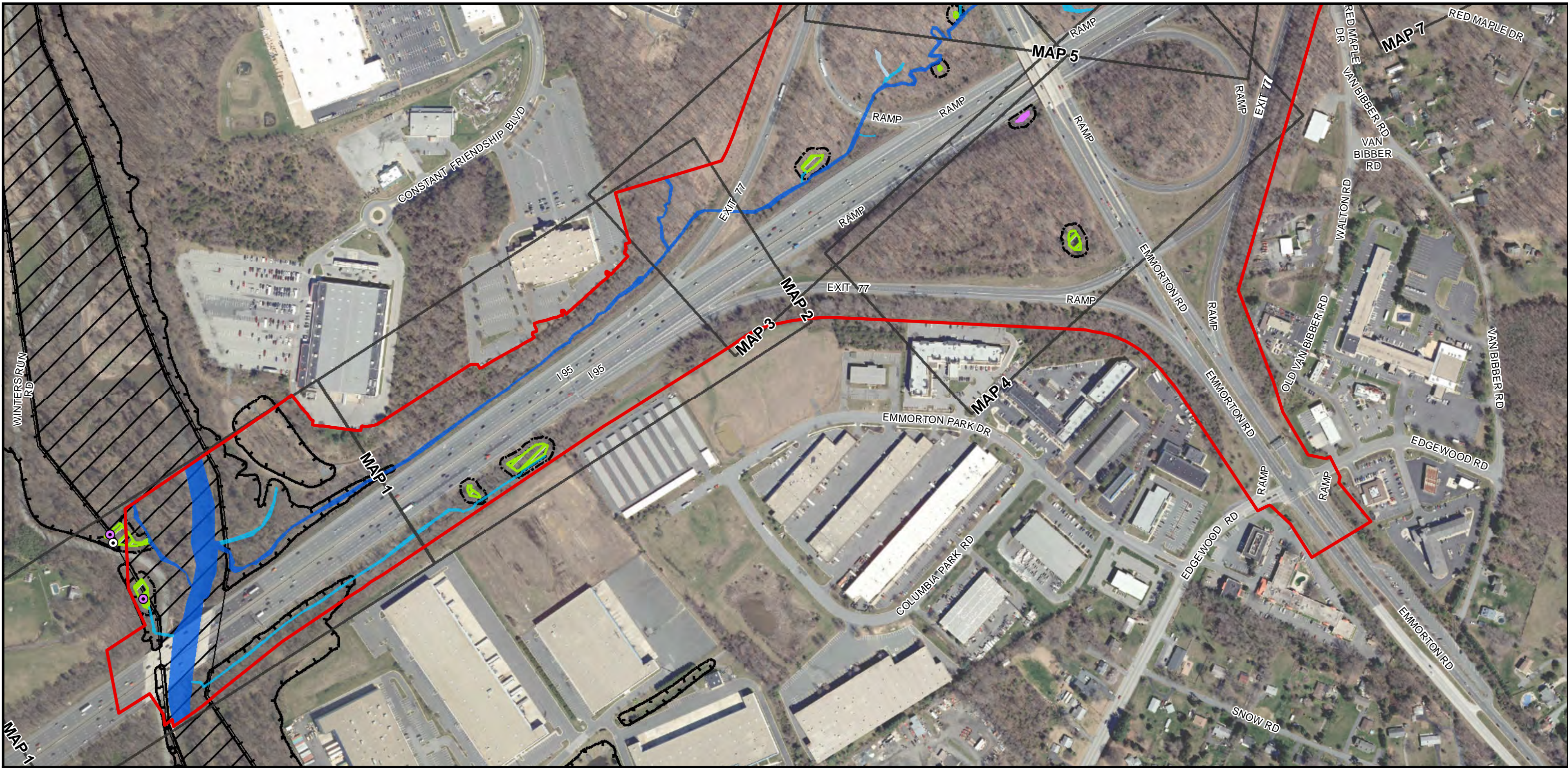


|                   |                      |                     |                            |                           |
|-------------------|----------------------|---------------------|----------------------------|---------------------------|
| <b>Legend</b>     |                      | <b>Sample Plots</b> | <b>Delineated Wetlands</b> | <b>Delineated Streams</b> |
| Study Area        | Map Boundary         | Upland              | PEM                        | Ephemeral                 |
| 100-Yr Floodplain | Floodway             | Wetland             | PFO                        | Intermittent              |
| Culverted Stream  | 2-Ft Contours        | PSS                 | Perennial                  | No Auth. Req.             |
|                   | 25-ft Wetland Buffer | No Auth. Req.       |                            |                           |

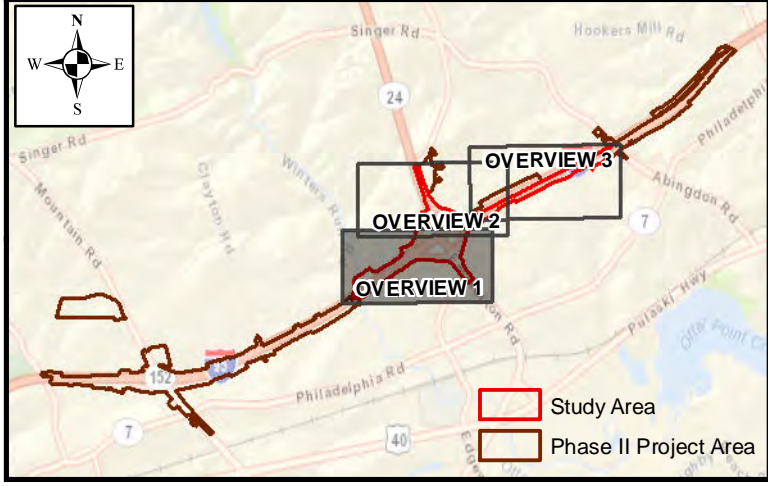


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**I-95 ETL NORTHBOUND EXTENSION PHASE II  
C. KH-3021: MD 24 INTERCHANGE/ETL TWO-LANE EXTENSION/WINTERS RUN BRIDGE  
OVERVIEW MAP 1**



**Legend**

- Study Area
- Map Boundary
- 100-Yr Floodplain
- Floodway

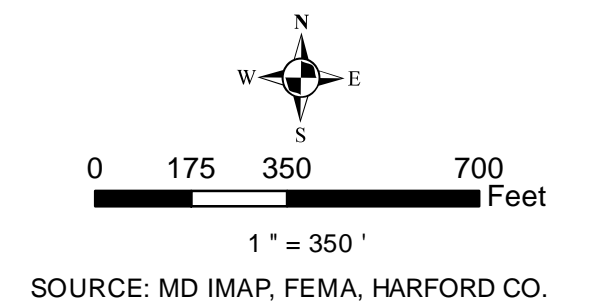
- Sample Plots**
- Upland
  - Wetland
  - 25-ft Wetland Buffer

- Delineated Wetlands**
- PEM
  - PFO
  - PSS
  - No Auth. Req.

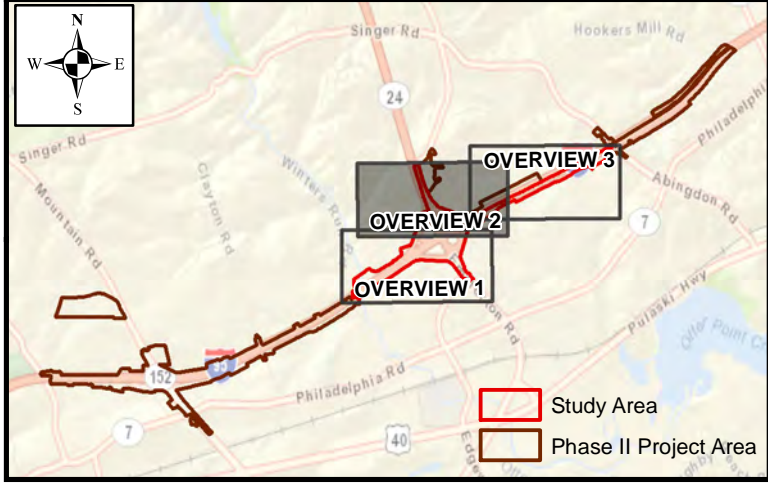
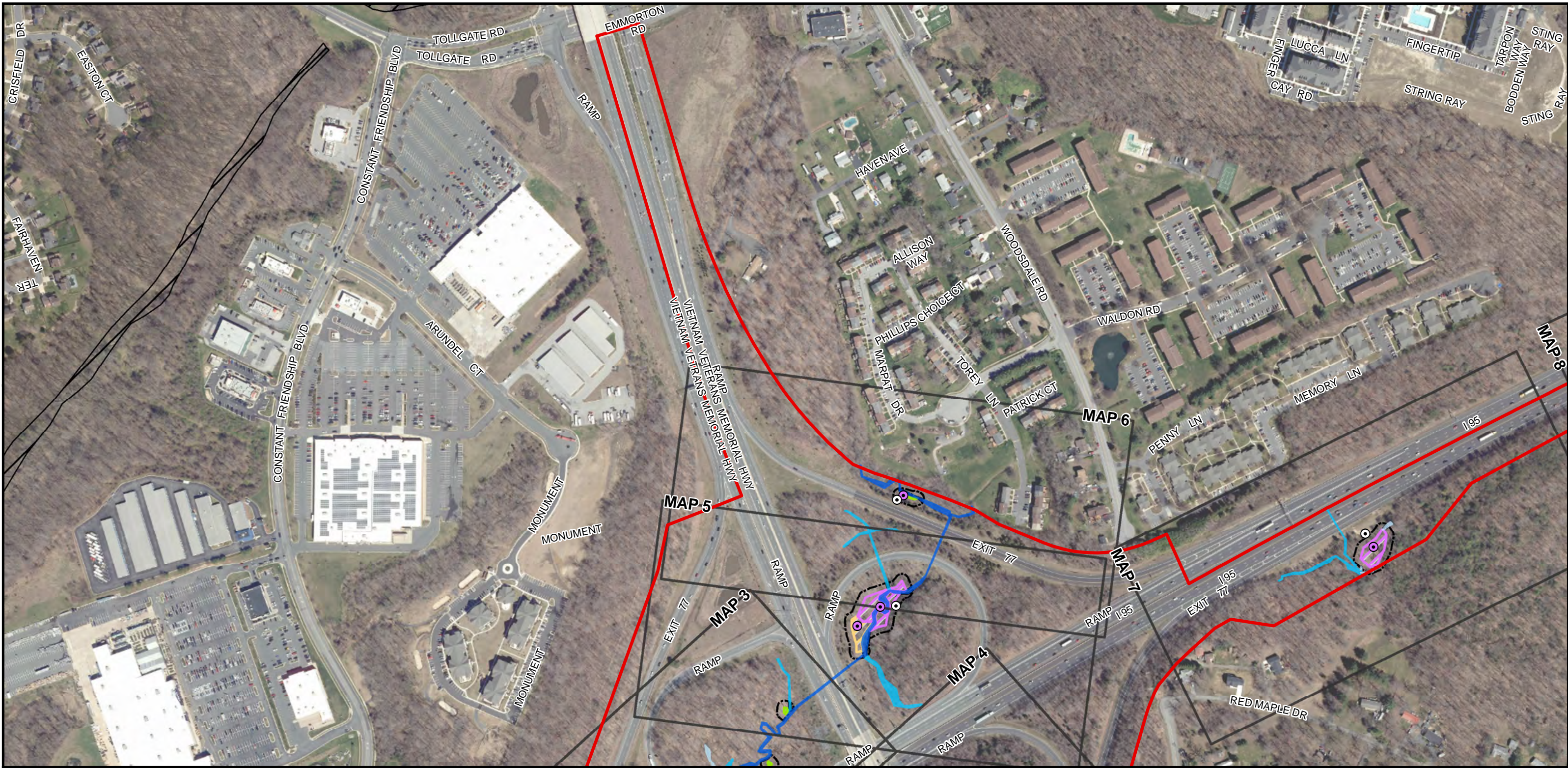
- Delineated Streams**
- Perennial
  - Intermittent
  - Ephemeral
  - No Auth. Req.

















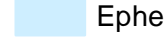


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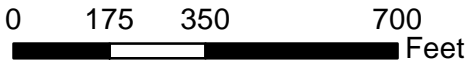




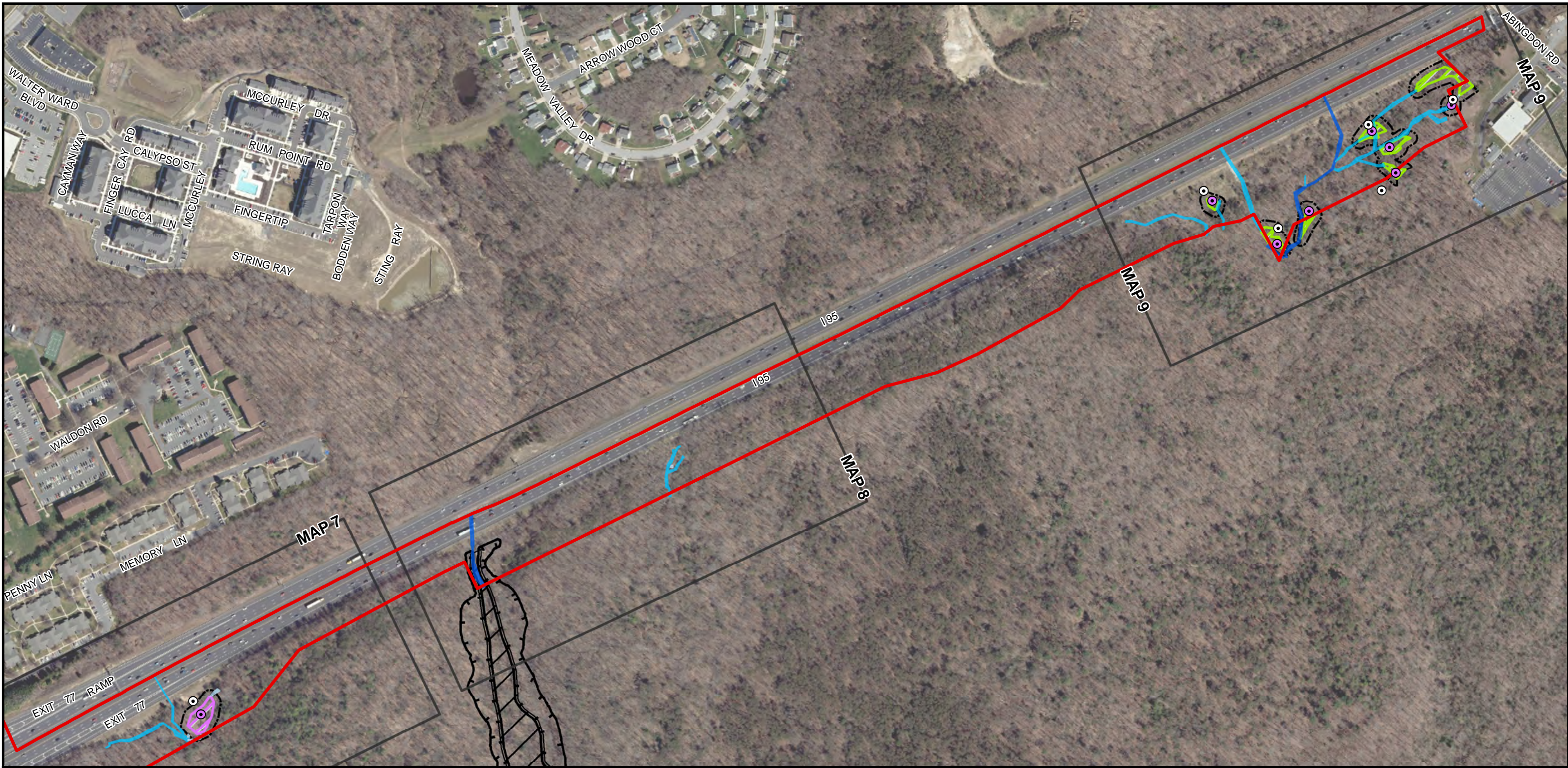


**I-95 ETL NORTHBOUND EXTENSION PHASE II  
C. KH-3021: MD 24 INTERCHANGE / TWO-LANE ETL / WINTERS RUN BRIDGE  
OVERVIEW MAP 2**

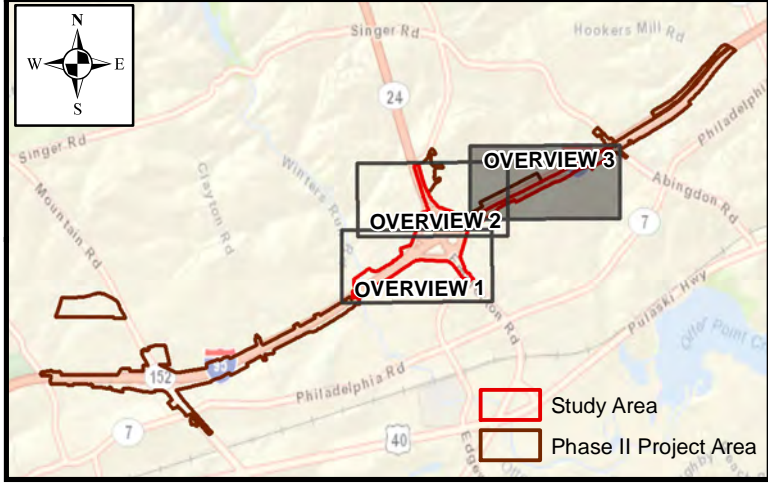
|   |  |  |   |   |   |
|---|--|--|---|---|---|
| <b>Legend</b>   |  | <b>Sample Plots</b>  | <b>Delineated Wetlands</b>  | <b>Delineated Streams</b>   |   |
|  Study Area        |  Map Boundary |  Upland               |  PEM           |  Perennial     |   |
|  100-Yr Floodplain |  Floodway     |  Wetland              |  PFO           |  Intermittent  |   |
|   |  |  25-ft Wetland Buffer |  PSS           |  Ephemeral     |   |
|   |  |  |  No Auth. Req. |  No Auth. Req. |   |


















  
  
 1" = 350'  
 SOURCE: MD IMAP, FEMA, HARFORD CO.


DATE: APRIL 2019



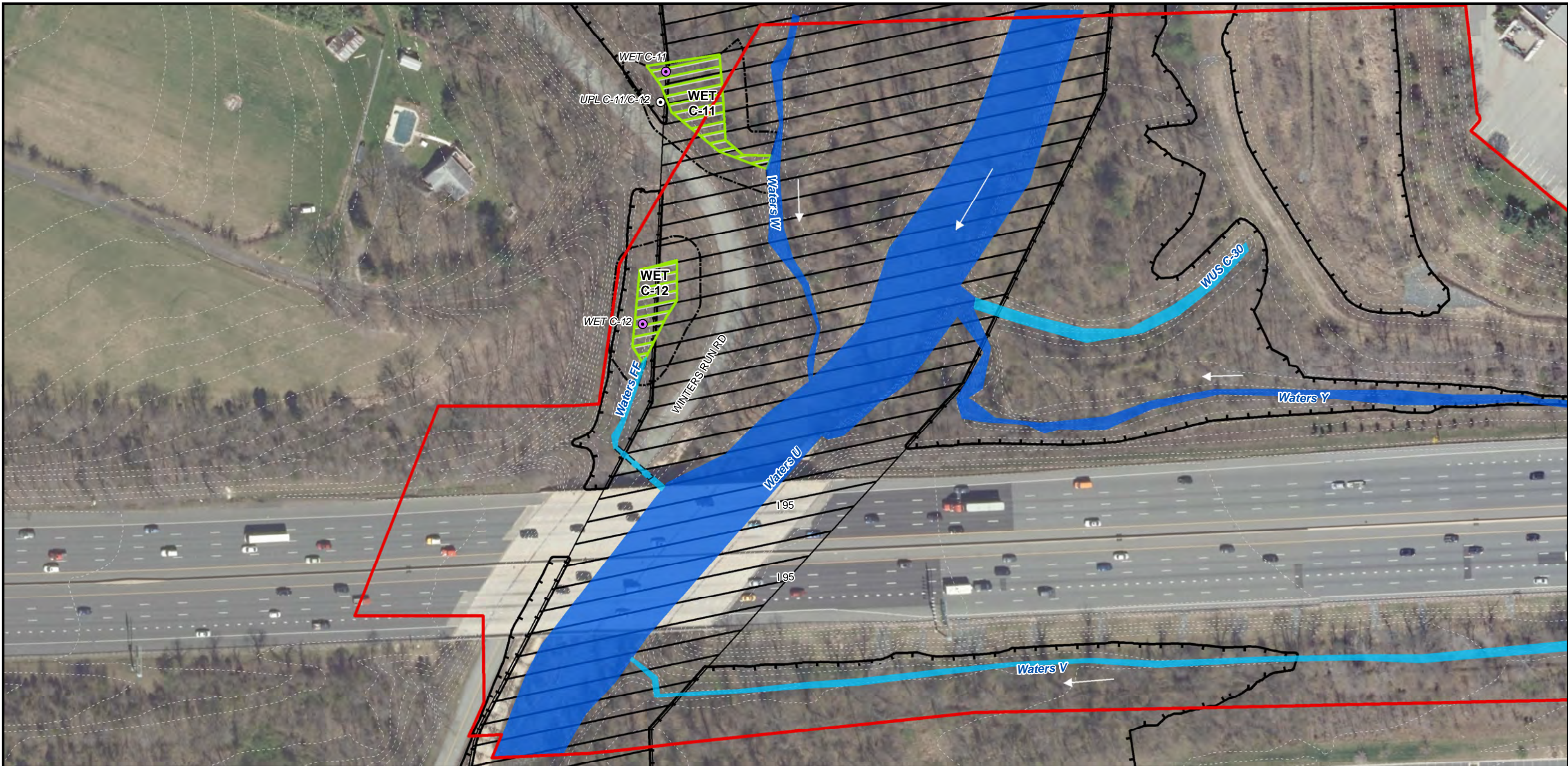
**I-95 ETL NORTHBOUND EXTENSION PHASE II  
C. KH-3021: MD 24 INTERCHANGE / TWO-LANE ETL / WINTERS RUN BRIDGE  
OVERVIEW MAP 3**



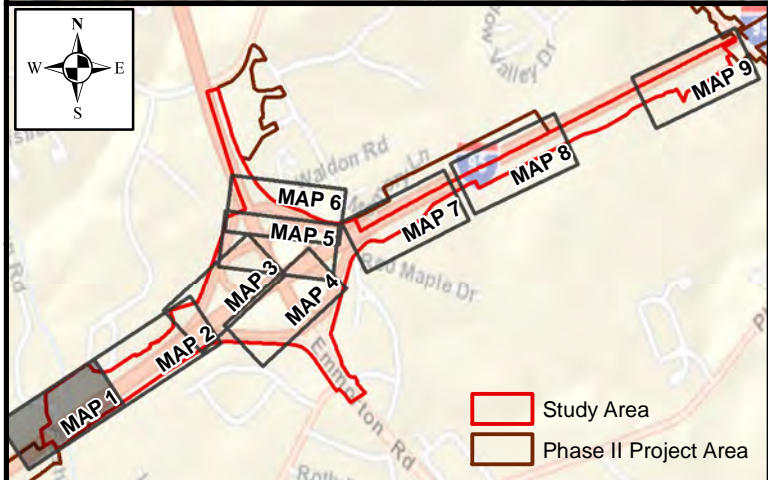
|   |  |  |   |   |   |   |   |   |
|---|--|--|---|---|---|---|---|---|
| <b>Legend</b>   |  | <b>Sample Plots</b>  |   | <b>Delineated Wetlands</b>  |   | <b>Delineated Streams</b>   |   |   |
|  Study Area        |  Map Boundary |  Upland               |  Wetland |  PEM |  PFO           |  Perennial |  Intermittent  |   |
|  100-Yr Floodplain |  Floodway     |  25-ft Wetland Buffer |   |  PSS |  No Auth. Req. |  Ephemeral |  No Auth. Req. |   |

  
 0 175 350 700 Feet  
 1" = 350'  
 SOURCE: MD IMAP, FEMA, HARFORD CO.

DATE: APRIL 2019



**I-95 ETL NORTHBOUND EXTENSION PHASE II  
C. KH-3021: MD 24 INTERCHANGE / TWO-LANE ETL / WINTERS RUN BRIDGE  
DELINEATED RESOURCE MAP 1**

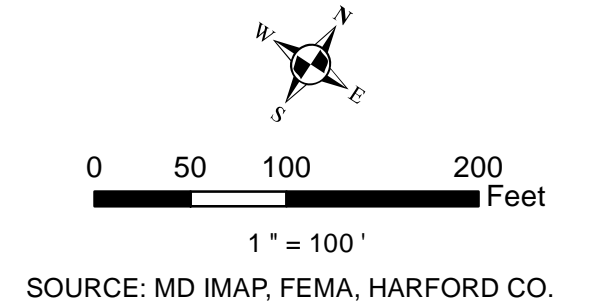


- Legend**
- Study Area
  - Map Boundary
  - 100-Yr Floodplain
  - Floodway
  - Culverted Stream

- Sample Plots**
- Upland
  - Wetland
  - 2-Ft Contours
  - 25-ft Wetland Buffer

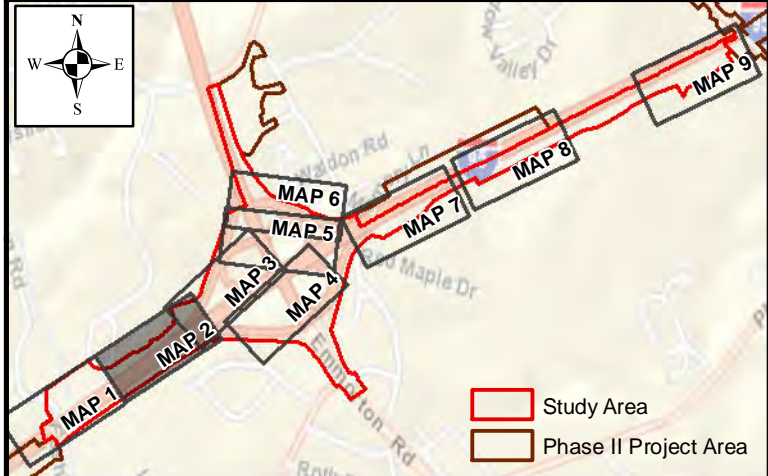
- Delineated Wetlands**
- PEM
  - PFO
  - PSS
  - No Auth. Req.

- Delineated Streams**
- Perennial
  - Intermittent
  - Ephemeral
  - No Auth. Req.





**I-95 ETL NORTHBOUND EXTENSION PHASE II  
C. KH-3021: MD 24 INTERCHANGE / TWO-LANE ETL / WINTERS RUN BRIDGE  
DELINEATED RESOURCE MAP 2**



**Legend**

|            |              |                   |          |                  |
|------------|--------------|-------------------|----------|------------------|
| Study Area | Map Boundary | 100-Yr Floodplain | Floodway | Culverted Stream |
|------------|--------------|-------------------|----------|------------------|

**Sample Plots**

|        |         |               |                      |
|--------|---------|---------------|----------------------|
| Upland | Wetland | 2-Ft Contours | 25-ft Wetland Buffer |
|--------|---------|---------------|----------------------|

**Delineated Wetlands**

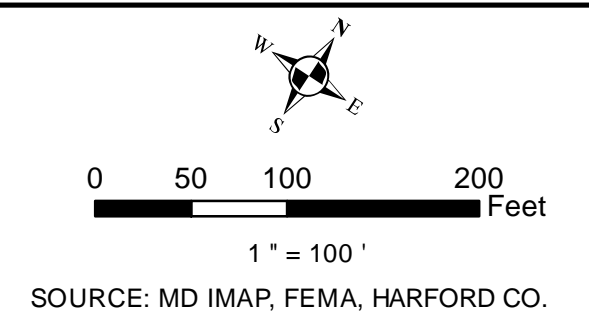
|     |     |     |               |
|-----|-----|-----|---------------|
| PEM | PFO | PSS | No Auth. Req. |
|-----|-----|-----|---------------|

**Delineated Streams**

|           |              |           |               |
|-----------|--------------|-----------|---------------|
| Perennial | Intermittent | Ephemeral | No Auth. Req. |
|-----------|--------------|-----------|---------------|

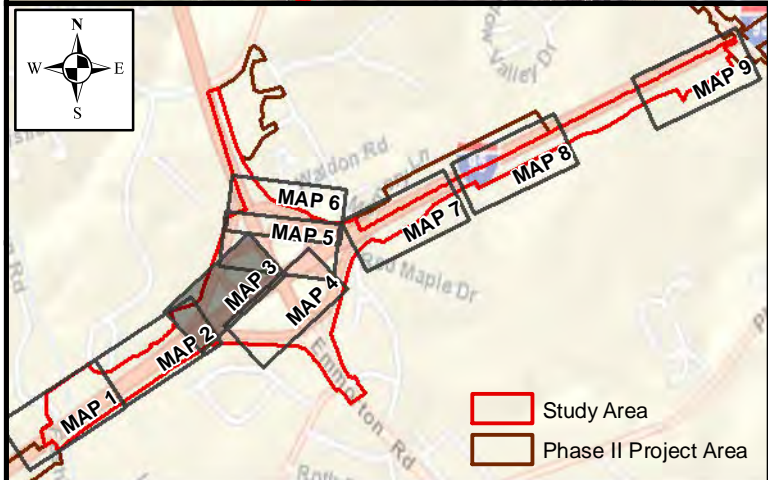


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**I-95 ETL NORTHBOUND EXTENSION PHASE II  
C. KH-3021: MD 24 INTERCHANGE / TWO-LANE ETL / WINTERS RUN BRIDGE  
DELINEATED RESOURCE MAP 3**



- Legend**
- Study Area
  - Map Boundary
  - 100-Yr Floodplain
  - Floodway
  - Culverted Stream

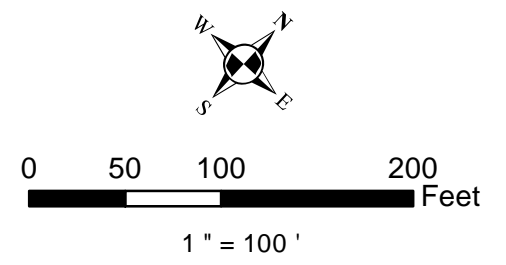
- Sample Plots**
- Upland
  - Wetland
  - 2-Ft Contours
  - 25-ft Wetland Buffer

- Delineated Wetlands**
- PEM
  - PFO
  - PSS
  - No Auth. Req.

- Delineated Streams**
- Perennial
  - Intermittent
  - Ephemeral
  - No Auth. Req.



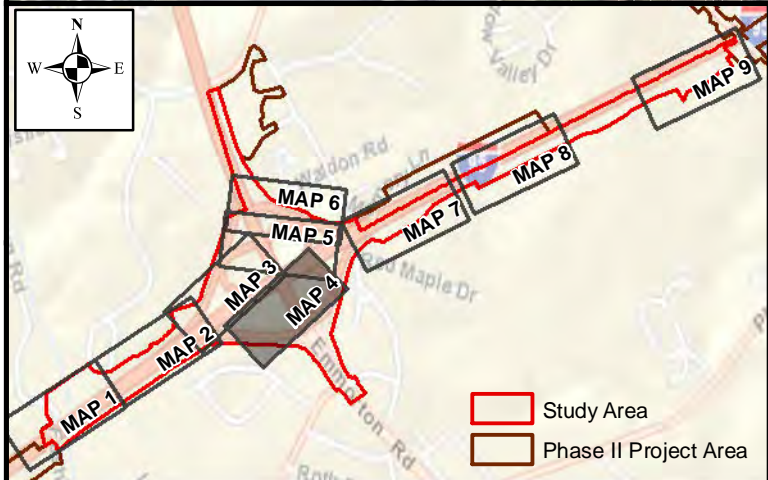
DATE: APRIL 2019



SOURCE: MD IMAP, FEMA, HARFORD CO.



**I-95 ETL NORTHBOUND EXTENSION PHASE II  
C. KH-3021: MD 24 INTERCHANGE / TWO-LANE ETL / WINTERS RUN BRIDGE  
DELINEATED RESOURCE MAP 4**



**Legend**

- Study Area
- Map Boundary
- 100-Yr Floodplain
- Floodway
- Culverted Stream

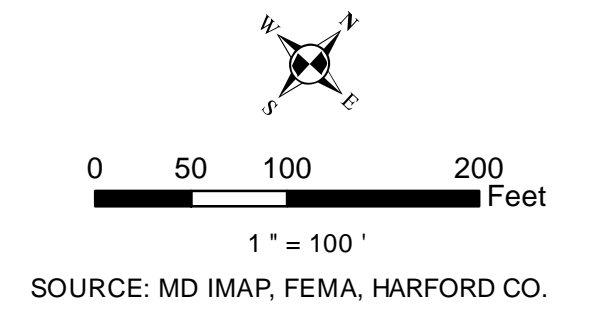
- Sample Plots**
- Upland
  - Wetland
  - 2-Ft Contours
  - 25-ft Wetland Buffer

- Delineated Wetlands**
- PEM
  - PFO
  - PSS
  - No Auth. Req.

- Delineated Streams**
- Perennial
  - Intermittent
  - Ephemeral
  - No Auth. Req.

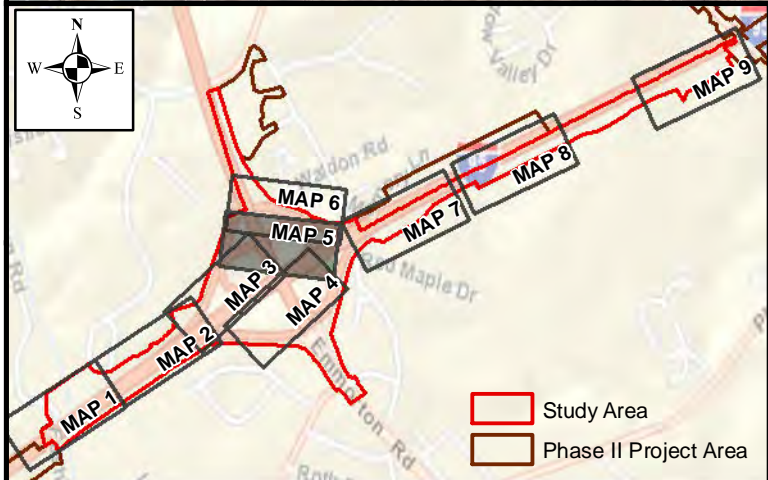















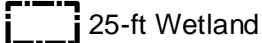






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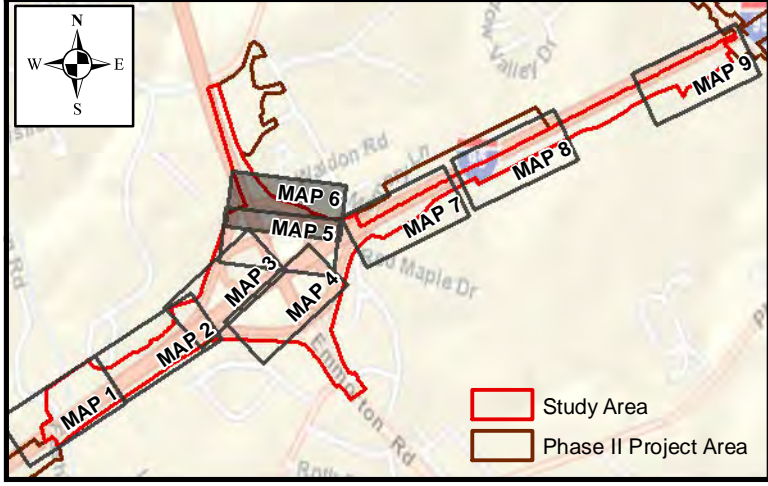
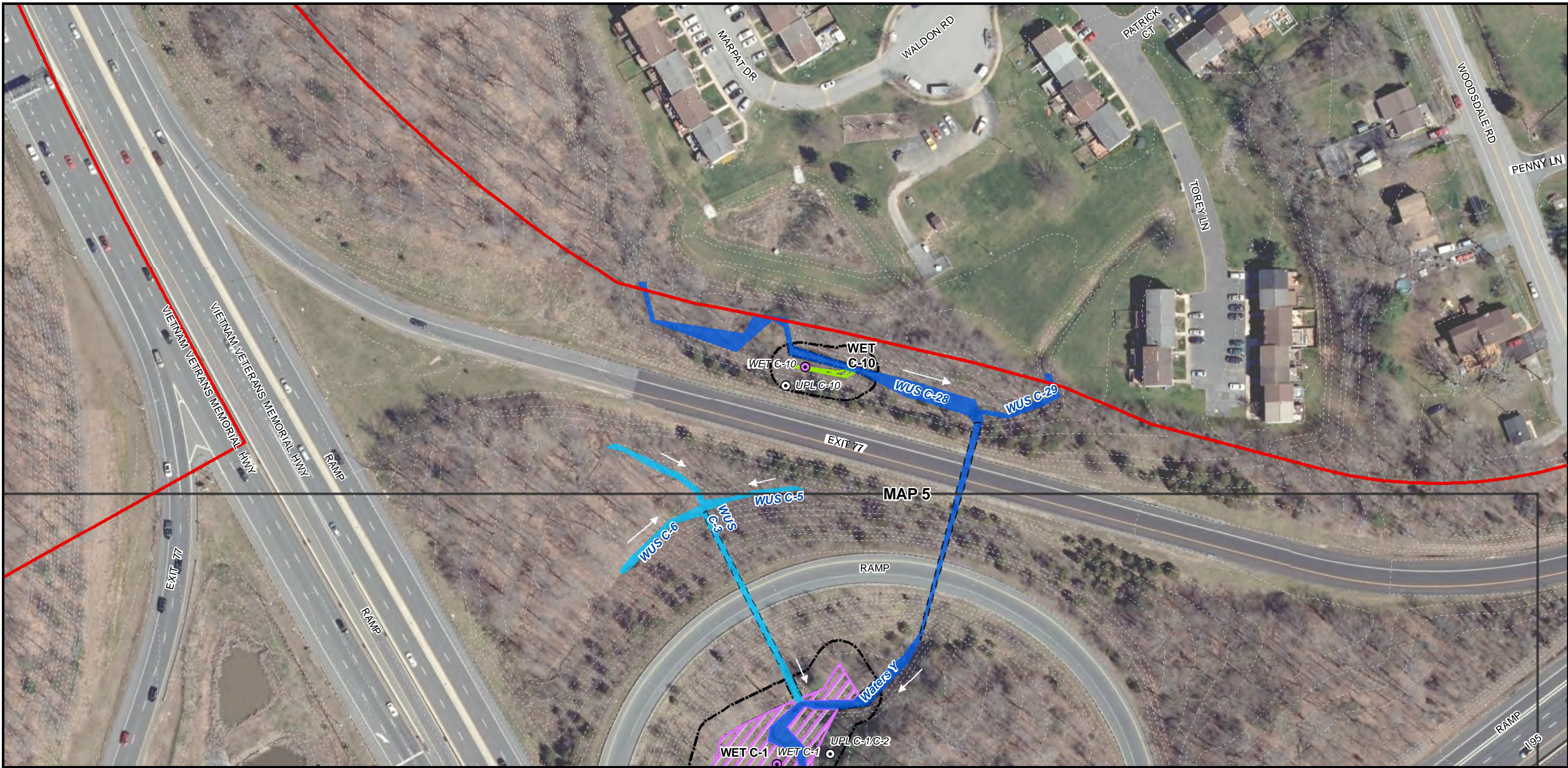
**I-95 ETL NORTHBOUND EXTENSION PHASE II  
C. KH-3021: MD 24 INTERCHANGE / TWO-LANE ETL / WINTERS RUN BRIDGE  
DELINEATED RESOURCE MAP 5**



|   |  |   |  |   |  |   |   |   |
|---|--|---|--|---|--|---|---|---|
| <b>Legend</b>   |  | <b>Sample Plots</b>   |  | <b>Delineated Wetlands</b>  |  | <b>Delineated Streams</b>   |   |   |
|  Study Area        |  Map Boundary |  Upland        |  Wetland              |  PEM           |  Perennial    |  Ephemeral     |  No Auth. Req. |   |
|  100-Yr Floodplain |  Floodway     |  2-Ft Contours |  25-ft Wetland Buffer |  PFO           |  Intermittent |  No Auth. Req. |   |   |
|  Culverted Stream  |  |   |  |  PSS           |  |   |   |   |
|   |  |   |  |  No Auth. Req. |  |   |   |   |

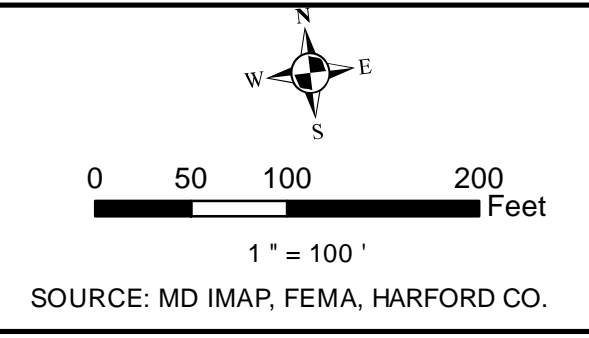
  
 0 50 100 200 Feet  
 1" = 100'  
 SOURCE: MD IMAP, FEMA, HARFORD CO.

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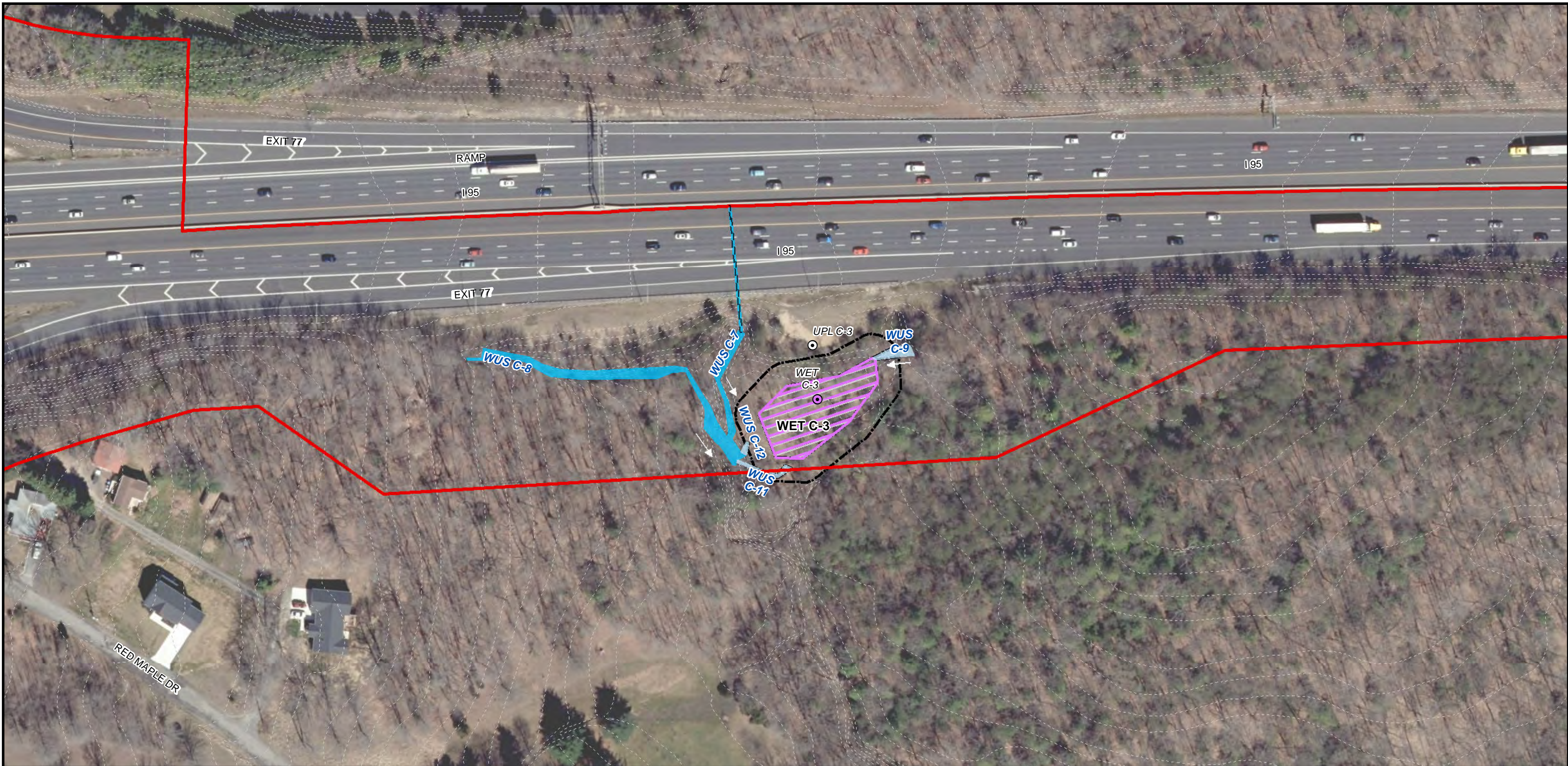
**I-95 ETL NORTHBOUND EXTENSION PHASE II  
C. KH-3021: MD 24 INTERCHANGE / TWO-LANE ETL / WINTERS RUN BRIDGE  
DELINEATED RESOURCE MAP 6**

| Legend            |               | Sample Plots         | Delineated Wetlands | Delineated Streams |
|-------------------|---------------|----------------------|---------------------|--------------------|
| Study Area        | Map Boundary  | Upland               | PEM                 | Perennial          |
| 100-Yr Floodplain | Floodway      | Wetland              | PFO                 | Intermittent       |
| Culverted Stream  | 2-Ft Contours | 25-ft Wetland Buffer | PSS                 | Ephemeral          |
|                   |               |                      | No Auth. Req.       | No Auth. Req.      |

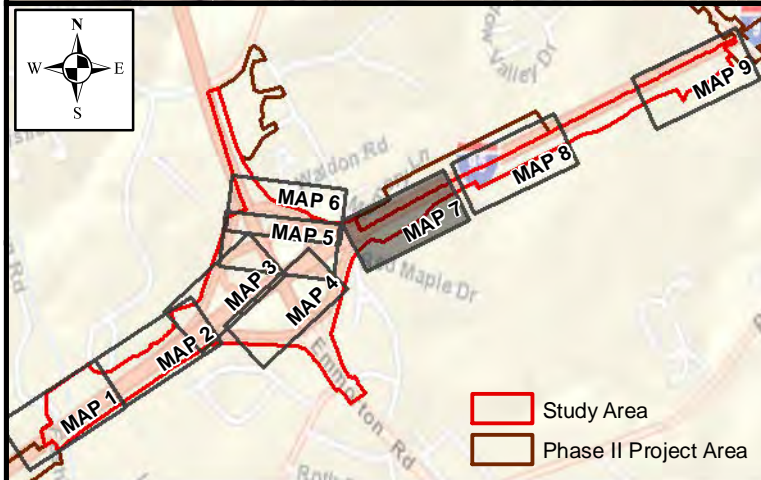


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**I-95 ETL NORTHBOUND EXTENSION PHASE II  
C. KH-3021: MD 24 INTERCHANGE / TWO-LANE ETL / WINTERS RUN BRIDGE  
DELINEATED RESOURCE MAP 7**



**Legend**

- Study Area
- Map Boundary
- 100-Yr Floodplain
- Floodway
- Culverted Stream

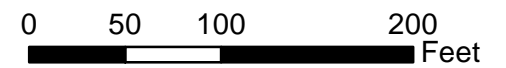
- Sample Plots**
- Upland
  - Wetland
  - 2-Ft Contours
  - 25-ft Wetland Buffer

- Delineated Wetlands**
- PEM
  - PFO
  - PSS
  - No Auth. Req.

- Delineated Streams**
- Perennial
  - Intermittent
  - Ephemeral
  - No Auth. Req.

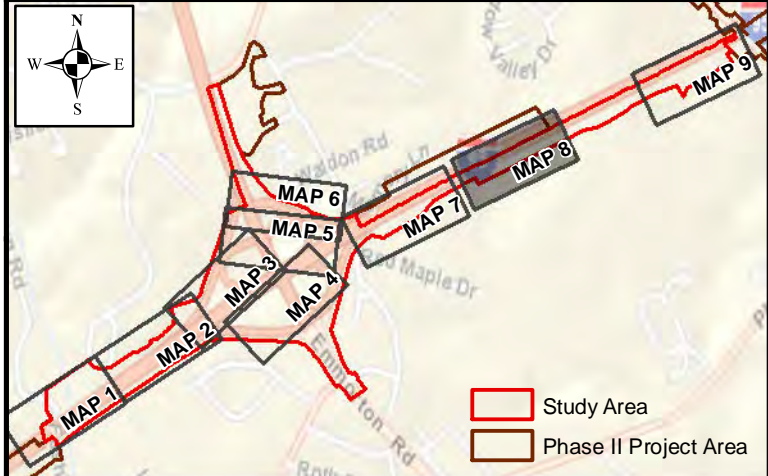


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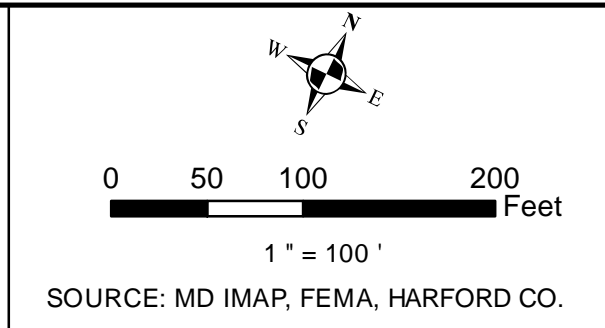
1" = 100'

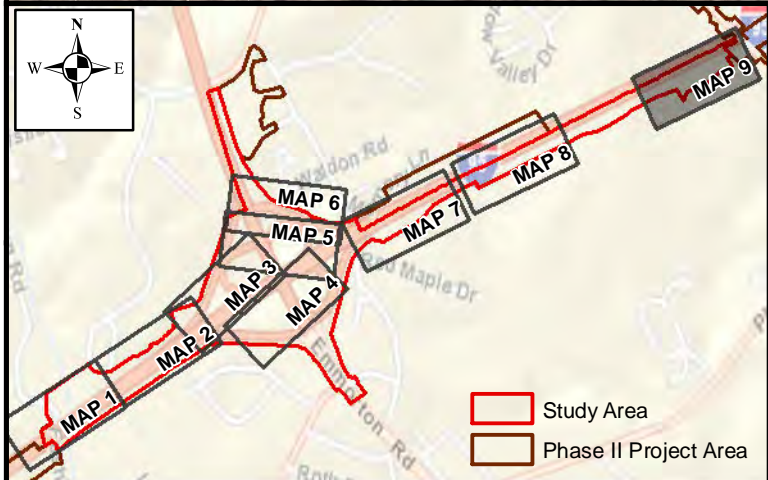
SOURCE: MD IMAP, FEMA, HARFORD CO.



**I-95 ETL NORTHBOUND EXTENSION PHASE II  
C. KH-3021: MD 24 INTERCHANGE / TWO-LANE ETL / WINTERS RUN BRIDGE  
DELINEATED RESOURCE MAP 8**

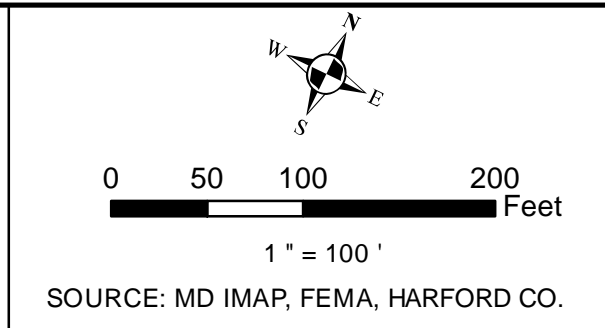
| Legend            |              | Sample Plots  |                      | Delineated Wetlands |               | Delineated Streams |  |
|-------------------|--------------|---------------|----------------------|---------------------|---------------|--------------------|--|
| Study Area        | Map Boundary | Upland        | Wetland              | PEM                 | Perennial     |                    |  |
| 100-Yr Floodplain | Floodway     | 2-Ft Contours | 25-ft Wetland Buffer | PFO                 | Intermittent  |                    |  |
| Culverted Stream  |              |               |                      | PSS                 | Ephemeral     |                    |  |
|                   |              |               |                      | No Auth. Req.       | No Auth. Req. |                    |  |





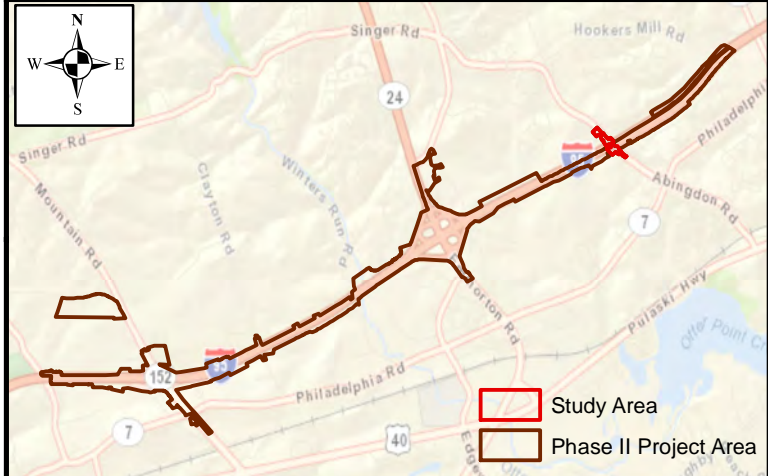
**I-95 ETL NORTHBOUND EXTENSION PHASE II  
C. KH-3021: MD 24 INTERCHANGE / TWO-LANE ETL / WINTERS RUN BRIDGE  
DELINEATED RESOURCE MAP 9**

| Legend            |               | Sample Plots         | Delineated Wetlands | Delineated Streams |
|-------------------|---------------|----------------------|---------------------|--------------------|
| Study Area        | Map Boundary  | Upland               | PEM                 | Perennial          |
| 100-Yr Floodplain | Floodway      | Wetland              | PFO                 | Intermittent       |
| Culverted Stream  | 2-Ft Contours | 25-ft Wetland Buffer | PSS                 | Ephemeral          |
|                   |               |                      | No Auth. Req.       | No Auth. Req.      |





**I-95 ETL NORTHBOUND EXTENSION PHASE II  
D. KH-3029: ABINGDON ROAD OVERPASS  
OVERVIEW MAP**



**Legend**

- Study Area
- Map Boundary
- 100-Yr Floodplain
- Floodway

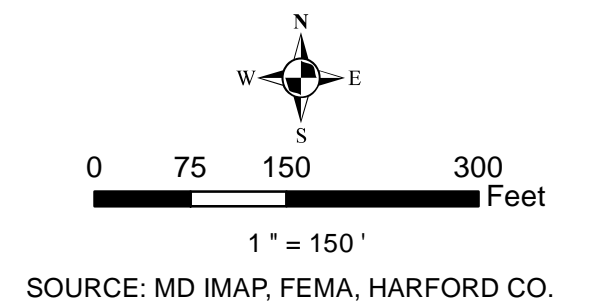
- Sample Plots**
- Upland
  - Wetland
  - 25-ft Wetland Buffer

- Delineated Wetlands**
- PEM
  - PFO
  - PSS
  - No Auth. Req.

- Delineated Streams**
- Ephemeral
  - Intermittent
  - Perennial
  - No Auth. Req.

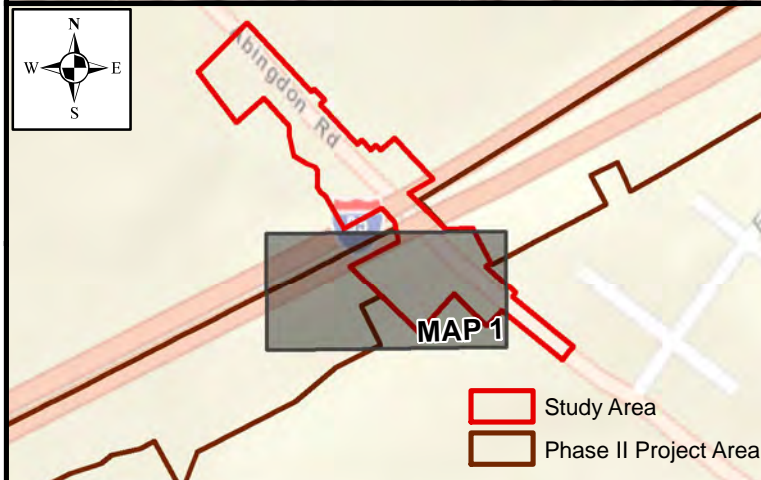


DATE: APRIL 2019





**I-95 ETL NORTHBOUND EXTENSION PHASE II  
D. KH-3029: ABINGDON ROAD OVERPASS  
DELINEATED RESOURCE MAP 1**



**Legend**

- Study Area
- Map Boundary
- 100-Yr Floodplain
- Floodway
- Culverted Stream

**Sample Plots**

- Upland
- Wetland
- 2-Ft Contours
- 25-ft Wetland Buffer

**Delineated Wetlands**

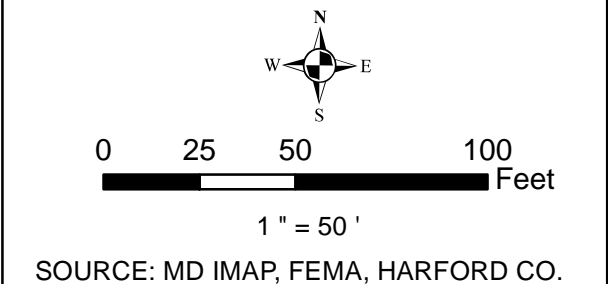
- PEM
- PFO
- PSS
- No Auth. Req.

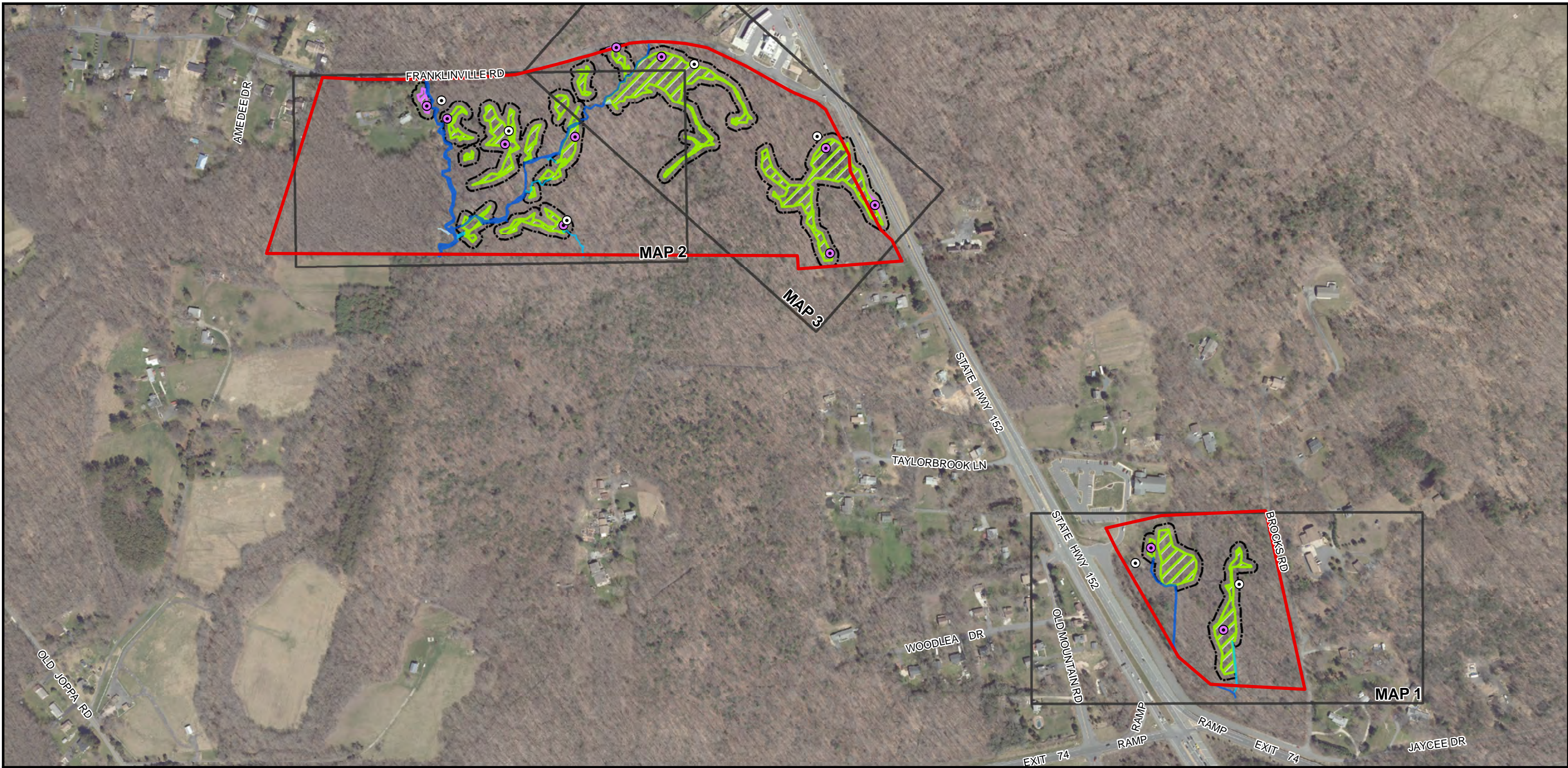
**Delineated Streams**

- Ephemeral
- Intermittent
- Perennial
- No Auth. Req.

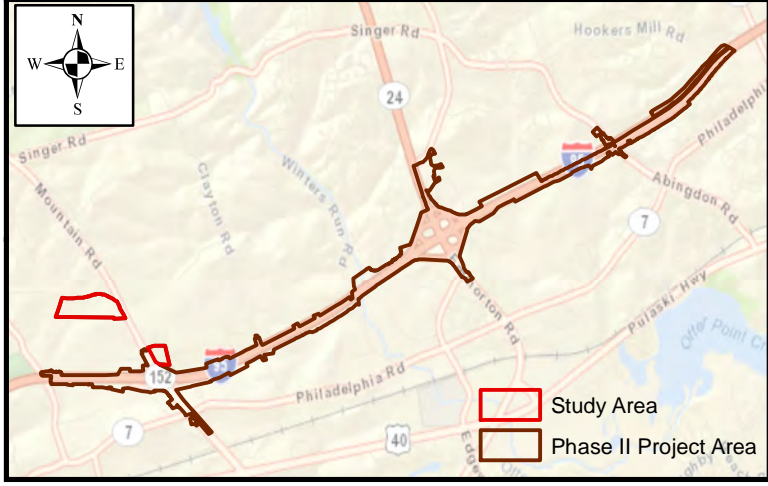


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### I-95 ETL NORTHBOUND EXTENSION PHASE II E. KH-3027: MD 152 PARK AND RIDE FACILITY RELOCATION OVERVIEW MAP



**Legend**

- Study Area
- Map Boundary
- 100-Yr Floodplain
- Floodway

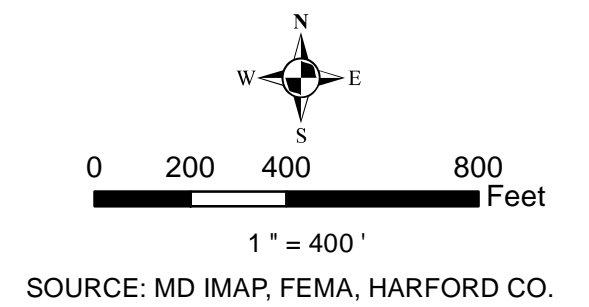
- Sample Plots**
- Upland
  - Wetland
  - 25-ft Wetland Buffer

- Delineated Wetlands**
- PEM
  - PFO
  - PSS
  - No Auth. Req.

- Delineated Streams**
- Ephemeral
  - Intermittent
  - Perennial
  - No Auth. Req.



DATE: APRIL 2019





**I-95 ETL NORTHBOUND EXTENSION PHASE II  
E. KH-3027: MD 152 PARK AND RIDE FACILITY RELOCATION  
DELINEATED RESOURCE MAP 1**



**Legend**

- Study Area
- Map Boundary
- 100-Yr Floodplain
- Floodway
- Culverted Stream

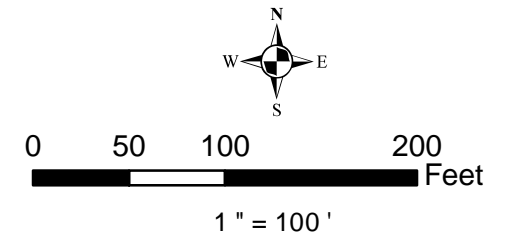
- Sample Plots**
- Upland
  - Wetland
  - 2-Ft Contours
  - 25-ft Wetland Buffer

- Delineated Wetlands**
- PEM
  - PFO
  - PSS
  - No Auth. Req.

- Delineated Streams**
- Ephemeral
  - Intermittent
  - Perennial
  - No Auth. Req.



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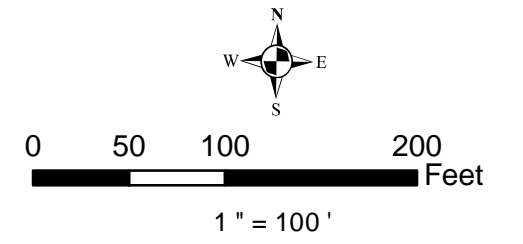
SOURCE: MD IMAP, FEMA, HARFORD CO.



**I-95 ETL NORTHBOUND EXTENSION PHASE II  
E. KH-3027: MD 152 PARK AND RIDE FACILITY RELOCATION  
DELINEATED RESOURCE MAP 2**



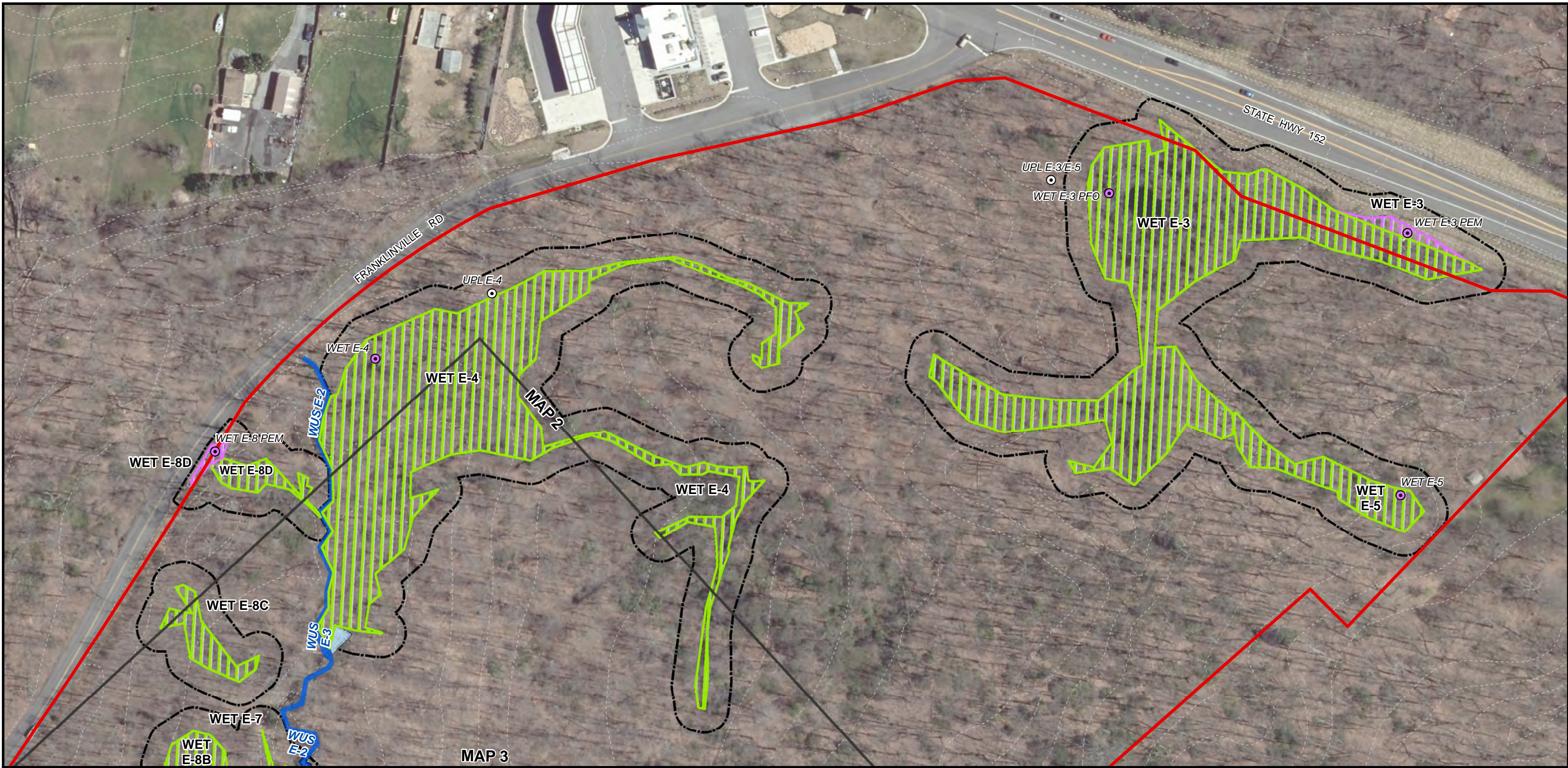
| Legend |                   | Sample Plots |                      | Delineated Wetlands |               | Delineated Streams |               |
|--------|-------------------|--------------|----------------------|---------------------|---------------|--------------------|---------------|
|        | Study Area        |              | Upland               |                     | PEM           |                    | Ephemeral     |
|        | Map Boundary      |              | Wetland              |                     | PFO           |                    | Intermittent  |
|        | 100-Yr Floodplain |              | 2-Ft Contours        |                     | PSS           |                    | Perennial     |
|        | Floodway          |              | 25-ft Wetland Buffer |                     | No Auth. Req. |                    | No Auth. Req. |
|        | Culverted Stream  |              |                      |                     |               |                    |               |



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SOURCE: MD IMAP, FEMA, HARFORD CO.

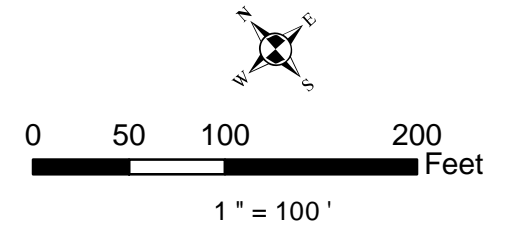




**I-95 ETL NORTHBOUND EXTENSION PHASE II  
E. KH-3027: MD 152 PARK AND RIDE FACILITY RELOCATION  
DELINEATED RESOURCE MAP 3**



| Legend |                   | Sample Plots |                      | Delineated Wetlands |               | Delineated Streams |               |
|--------|-------------------|--------------|----------------------|---------------------|---------------|--------------------|---------------|
|        | Study Area        |              | Upland               |                     | PEM           |                    | Ephemeral     |
|        | Map Boundary      |              | Wetland              |                     | PFO           |                    | Intermittent  |
|        | 100-Yr Floodplain |              | 2-Ft Contours        |                     | PSS           |                    | Perennial     |
|        | Floodway          |              | 25-ft Wetland Buffer |                     | No Auth. Req. |                    | No Auth. Req. |
|        | Culverted Stream  |              |                      |                     |               |                    |               |

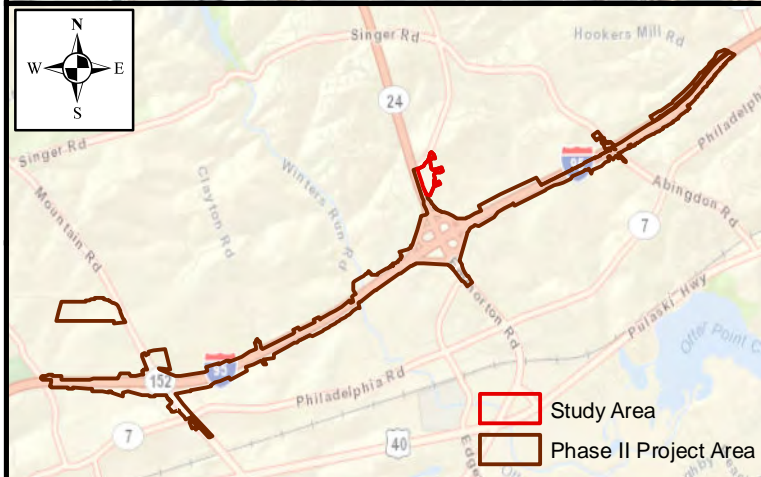


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SOURCE: MD IMAP, FEMA, HARFORD CO.



**I-95 ETL NORTHBOUND EXTENSION PHASE II  
F. KH-3023: MD 24/MD 924 PARK AND RIDE  
OVERVIEW MAP**



**Legend**

- Study Area
- Map Boundary
- 100-Yr Floodplain
- Floodway

- Sample Plots**
- Upland
  - Wetland
  - 25-ft Wetland Buffer

- Delineated Wetlands**
- PEM
  - PFO
  - PSS
  - No Auth. Req.

- Delineated Streams**
- Ephemeral
  - Intermittent
  - Perennial
  - No Auth. Req.



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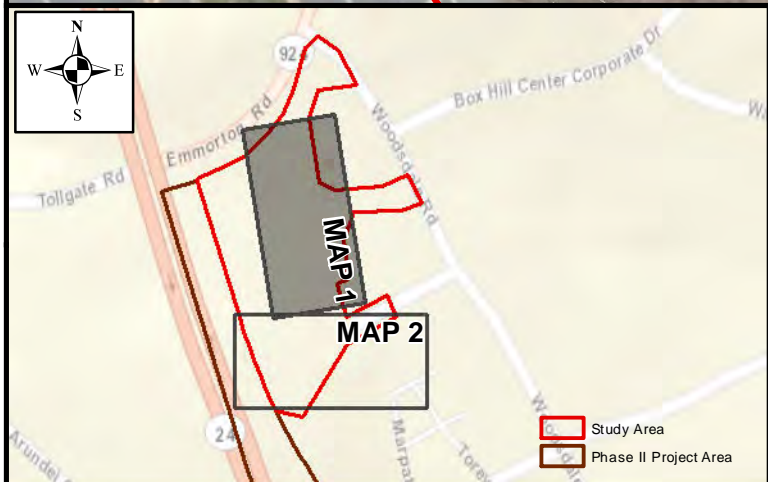
0 125 250 500 Feet

1" = 250'

SOURCE: MD IMAP, FEMA, HARFORD CO.



**I-95 ETL NORTHBOUND EXTENSION PHASE II  
F. KH-3023: MD 24/MD 924 PARK AND RIDE  
DELINEATED RESOURCE MAP 1**



**Legend**

|  |                   |
|--|-------------------|
|  | Study Area        |
|  | Map Boundary      |
|  | 100-Yr Floodplain |
|  | Floodway          |
|  | Culverted Stream  |

**Sample Plots**

|  |                      |
|--|----------------------|
|  | Upland               |
|  | Wetland              |
|  | 2-Ft Contours        |
|  | 25-ft Wetland Buffer |

**Delineated Wetlands**

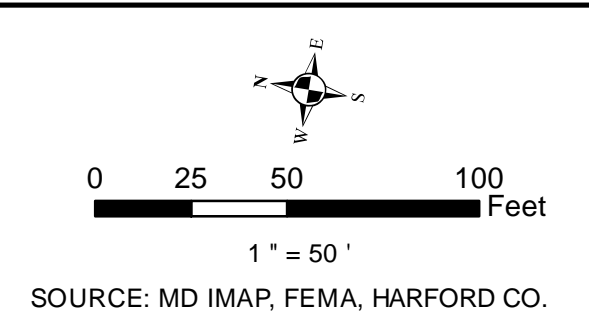
|  |               |
|--|---------------|
|  | PEM           |
|  | PFO           |
|  | PSS           |
|  | No Auth. Req. |

**Delineated Streams**

|  |               |
|--|---------------|
|  | Ephemeral     |
|  | Intermittent  |
|  | Perennial     |
|  | No Auth. Req. |

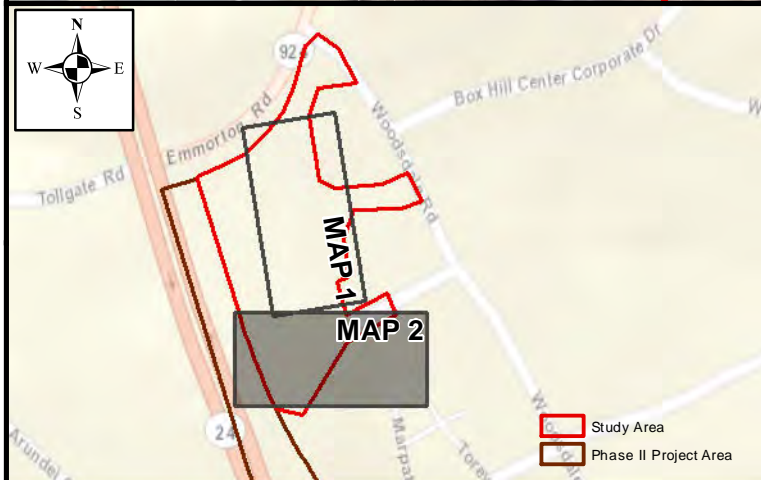


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**I-95 ETL NORTHBOUND EXTENSION PHASE II  
F. KH-3023: MD 24/MD 924 PARK AND RIDE  
DELINEATED RESOURCE MAP 2**



**Legend**

- Study Area
- Map Boundary
- 100-Yr Floodplain
- Floodway
- Culverted Stream

**Sample Plots**

- Upland
- Wetland
- 2-Ft Contours
- 25-ft Wetland Buffer

**Delineated Wetlands**

- PEM
- PFO
- PSS
- No Auth. Req.

**Delineated Streams**

- Ephemeral
- Intermittent
- Perennial
- No Auth. Req.



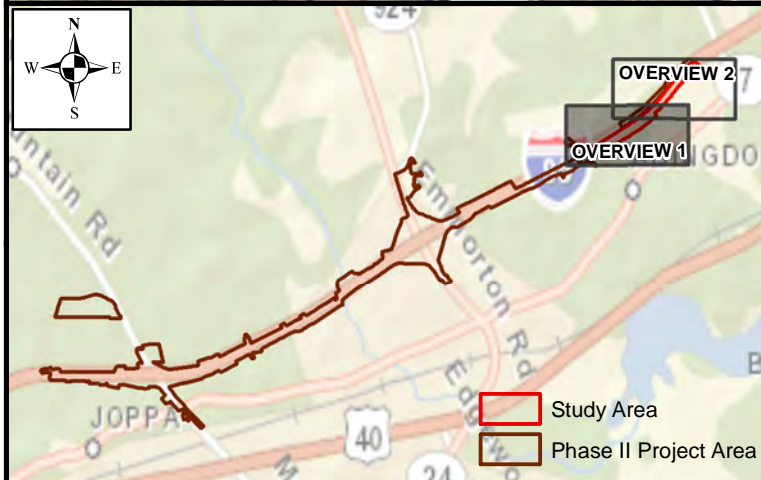
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0 25 50 100 Feet

1" = 50'

SOURCE: MD IMAP, FEMA, HARFORD CO.



**I-95 ETL NORTHBOUND EXTENSION PHASE II**  
**G. KH-3020: I-95 NB ETL EXTENSION TO BYNUM RUN/NOISE WALL ON NB I-95 NORTH OF ABINGDON ROAD**  
**OVERVIEW MAP 1**

**Legend**

- Study Area
- Map Boundary
- 100-Yr Floodplain
- Floodway

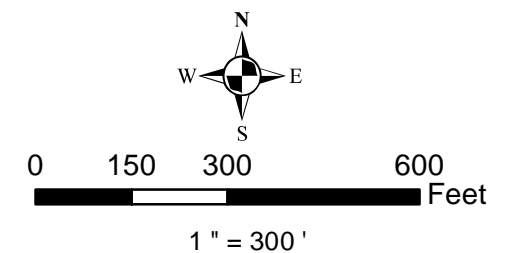
- Sample Plots**
- Upland
  - Wetland
  - 25-ft Wetland Buffer

- Delineated Wetlands**
- PEM
  - PFO
  - PSS
  - No Auth. Req.

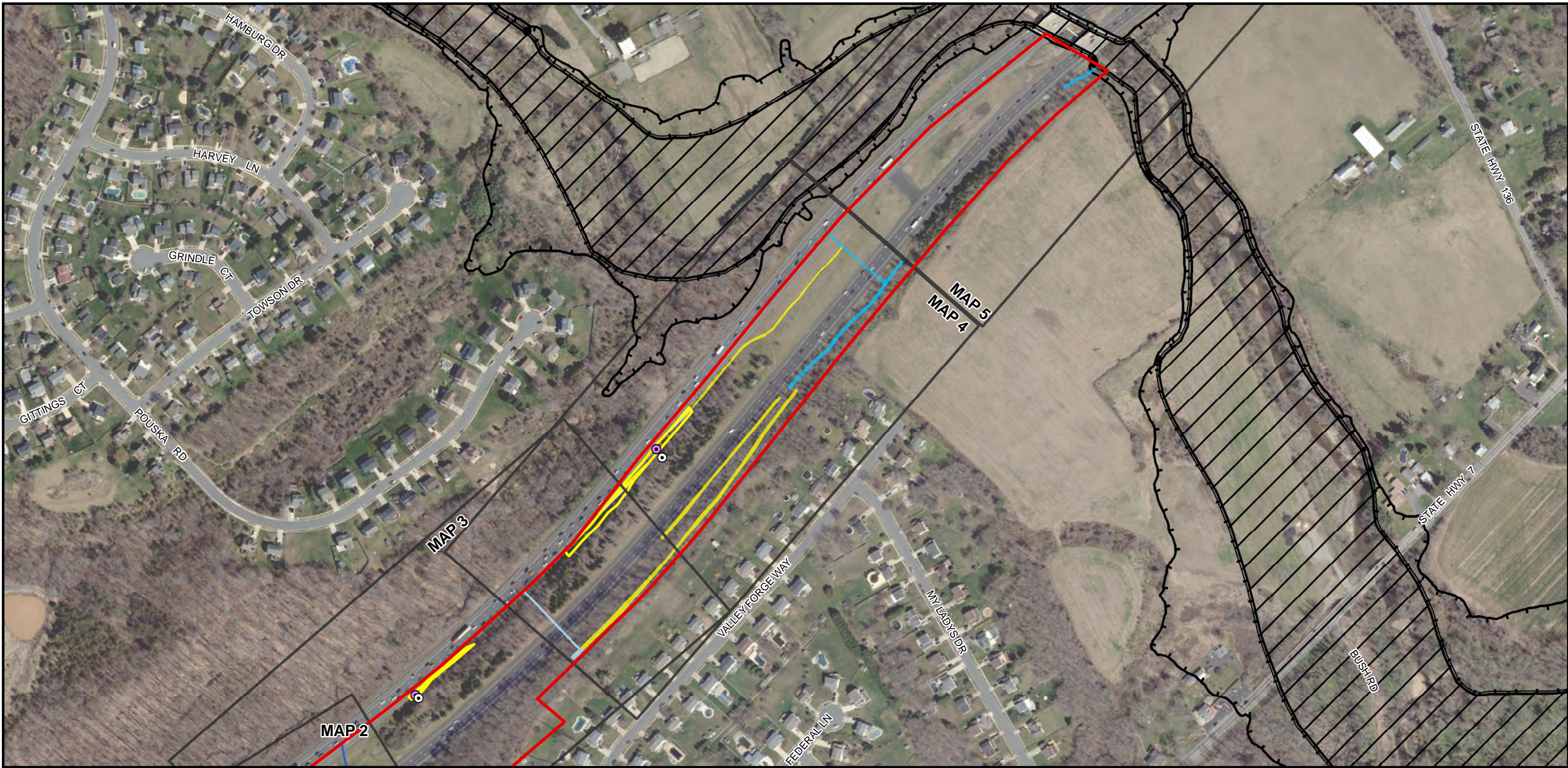
- Delineated Streams**
- Ephemeral
  - Intermittent
  - Perennial
  - No Auth. Req.



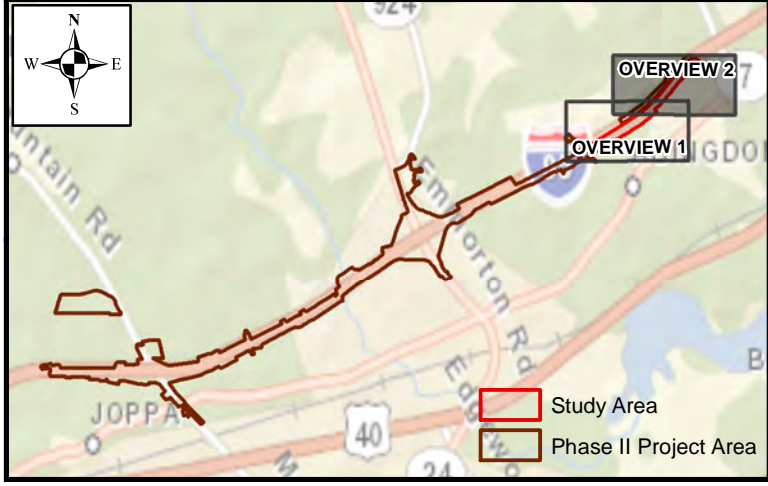
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SOURCE: MD IMAP, FEMA, HARFORD CO.



**I-95 ETL NORTHBOUND EXTENSION PHASE II**  
**G. KH-3020: I-95 NB ETL EXTENSION TO BYNUM RUN/NOISE WALL ON NB I-95 NORTH OF ABINGDON ROAD**  
**OVERVIEW MAP 2**



**Legend**

- Study Area
- Map Boundary
- 100-Yr Floodplain
- Floodway

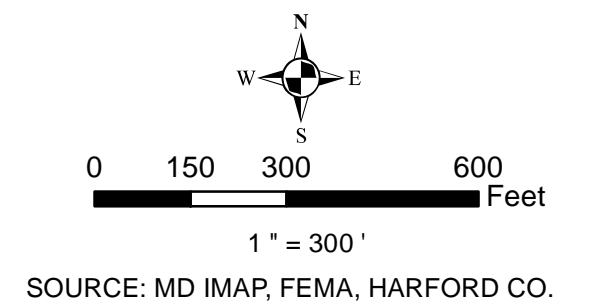
- Sample Plots**
- Upland
  - Wetland
  - 25-ft Wetland Buffer

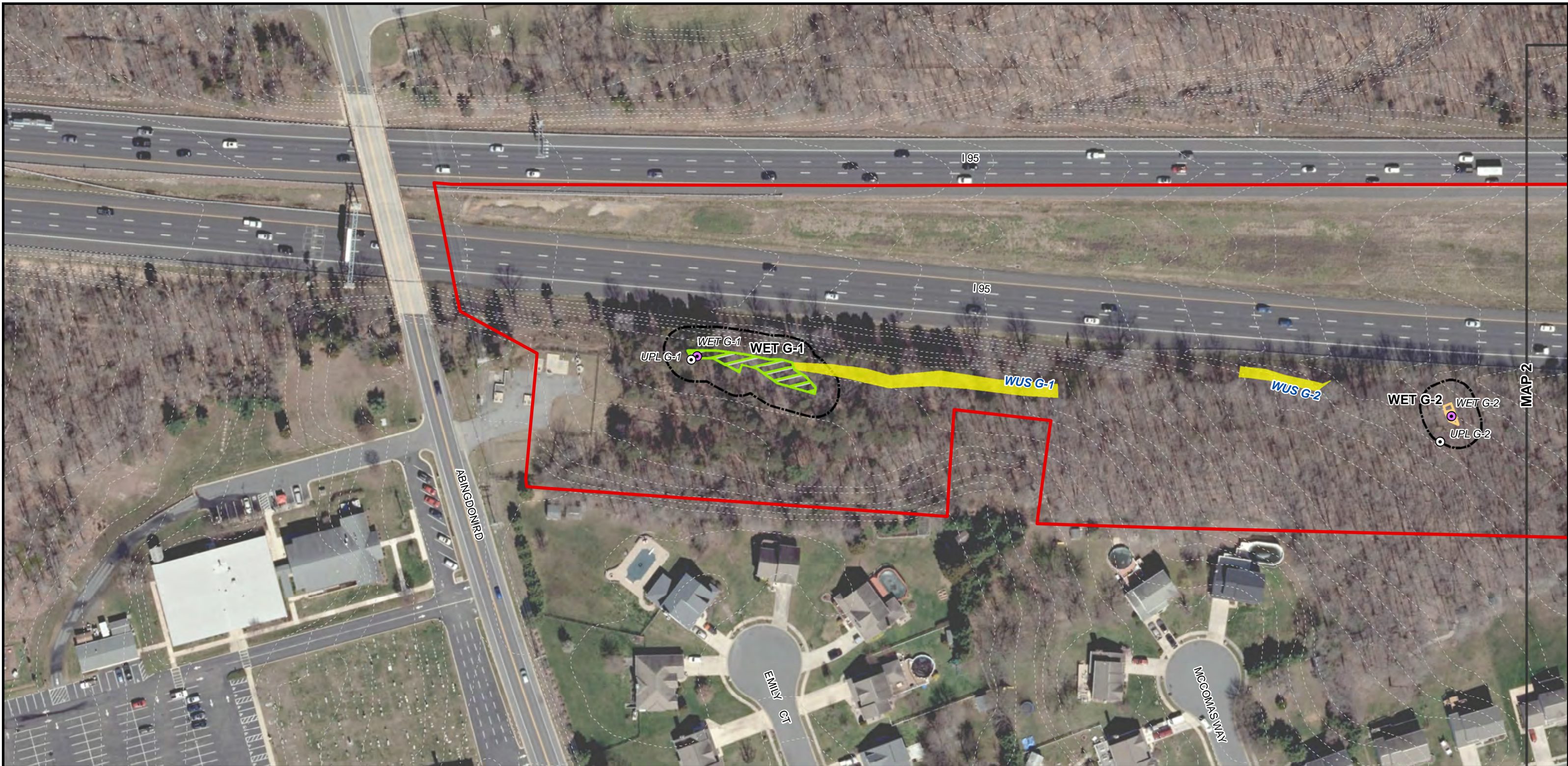
- Delimited Wetlands**
- PEM
  - PFO
  - PSS
  - No Auth. Req.

- Delimited Streams**
- Ephemeral
  - Intermittent
  - Perennial
  - No Auth. Req.

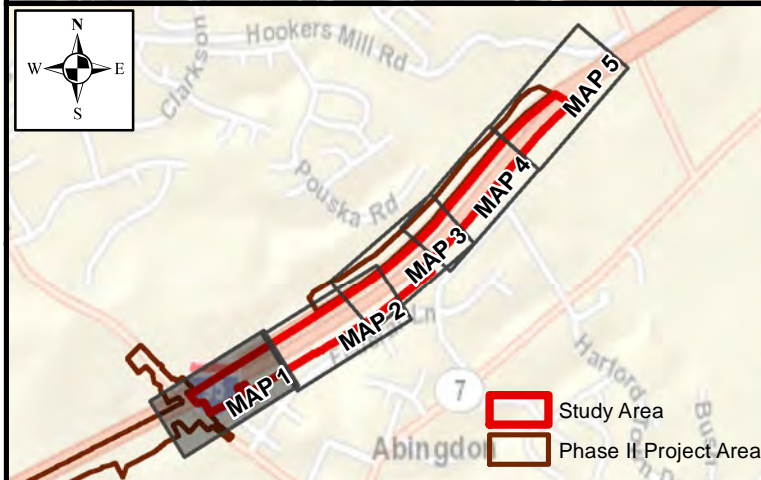


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**I-95 ETL NORTHBOUND EXTENSION PHASE II**  
**G. KH-3020: I-95 NB ETL EXTENSION TO BYNUM RUN/NOISE WALL ON NB I-95 NORTH OF ABINGDON ROAD**  
**DELINEATED RESOURCE MAP 1**



**Legend**

- Study Area
- Map Boundary
- 100-Yr Floodplain
- Floodway
- Culverted Stream

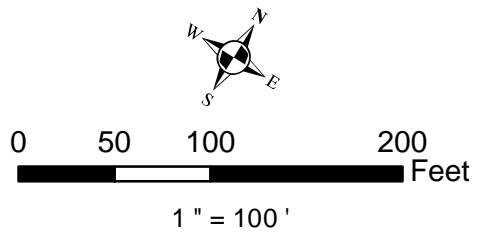
- Sample Plots**
- Upland
  - Wetland
  - 2-Ft Contours
  - 25-ft Wetland Buffer

- Delineated Wetlands**
- PEM
  - PFO
  - PSS
  - No Auth. Req.

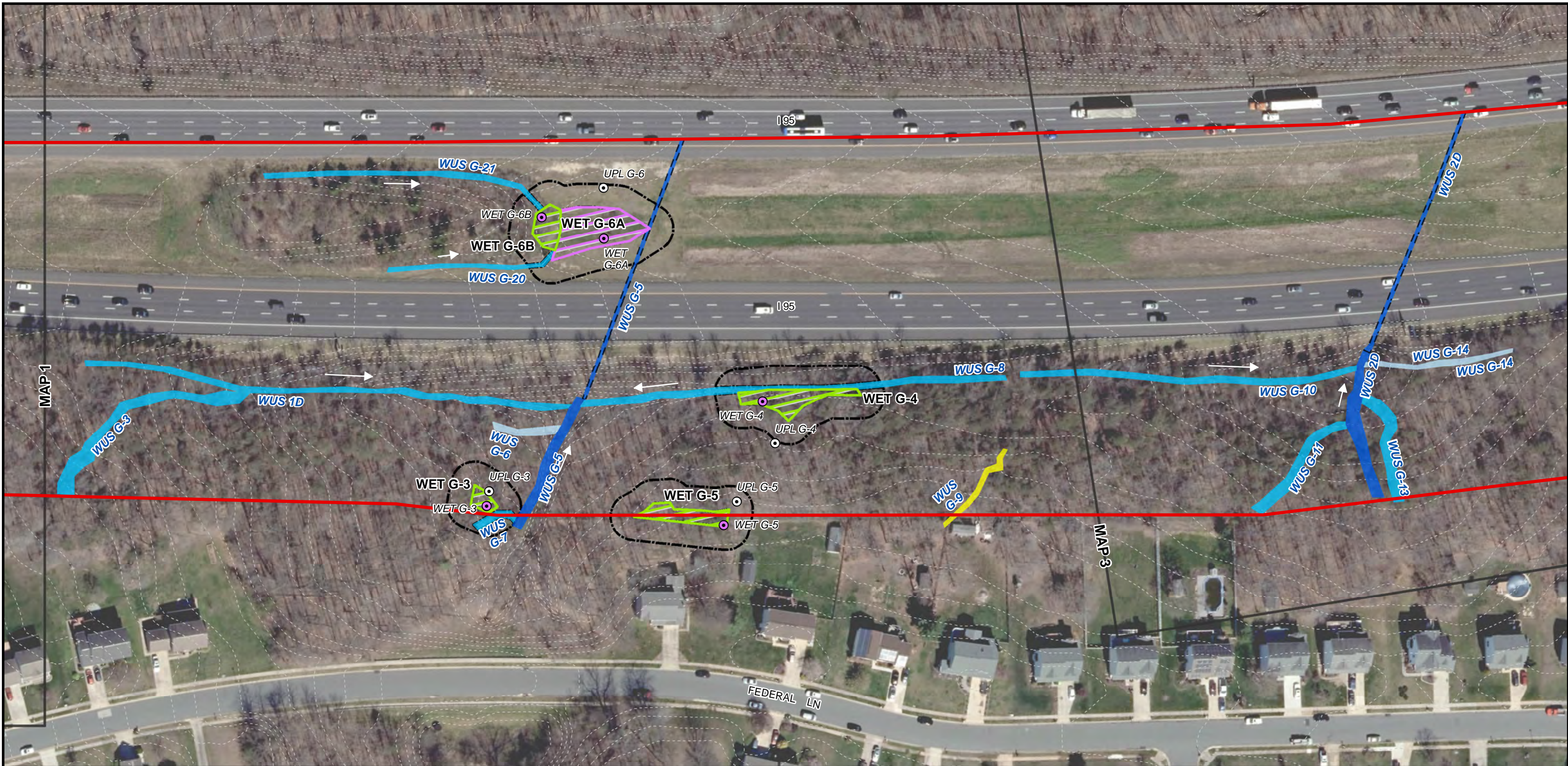
- Delineated Streams**
- Ephemeral
  - Intermittent
  - Perennial
  - No Auth. Req.



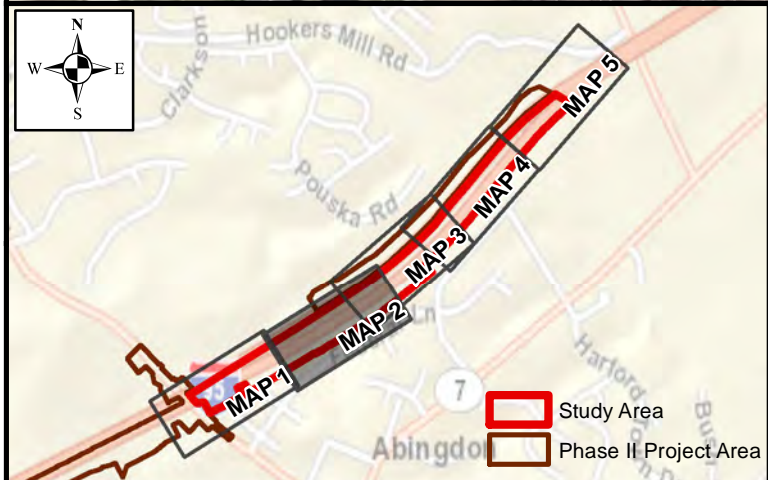
DATE: APRIL 2019



SOURCE: MD IMAP, FEMA, HARFORD CO.



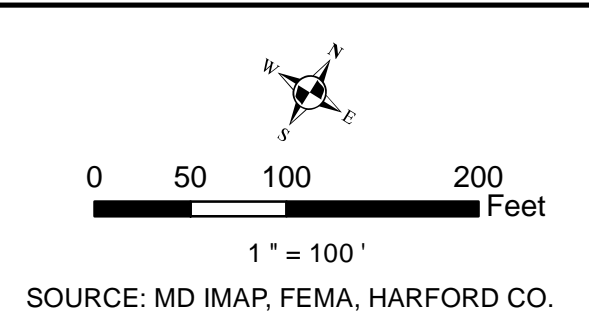
**I-95 ETL NORTHBOUND EXTENSION PHASE II**  
**G. KH-3020: I-95 NB ETL EXTENSION TO BYNUM RUN/NOISE WALL ON NB I-95 NORTH OF ABINGDON ROAD**  
**DELINEATED RESOURCE MAP 2**



| Legend            |                      | Sample Plots  | Delineated Wetlands | Delineated Streams |
|-------------------|----------------------|---------------|---------------------|--------------------|
| Study Area        | Map Boundary         | Upland        | PEM                 | Ephemeral          |
| 100-Yr Floodplain | Floodway             | Wetland       | PFO                 | Intermittent       |
| Culverted Stream  | 25-ft Wetland Buffer | 2-Ft Contours | PSS                 | Perennial          |
|                   |                      | 2-Ft Contours | No Auth. Req.       | No Auth. Req.      |



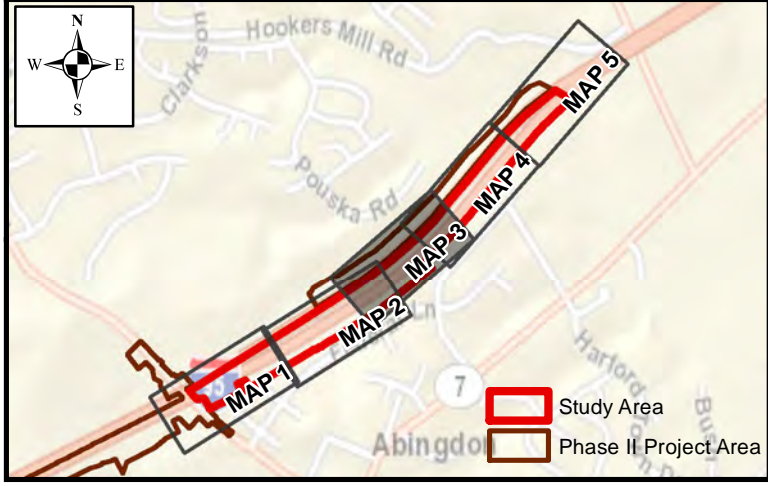
DATE: APRIL 2019







**I-95 ETL NORTHBOUND EXTENSION PHASE II**  
**G. KH-3020: I-95 NB ETL EXTENSION TO BYNUM RUN/NOISE WALL ON NB I-95 NORTH OF ABINGDON ROAD**  
**DELINEATED RESOURCE MAP 3**



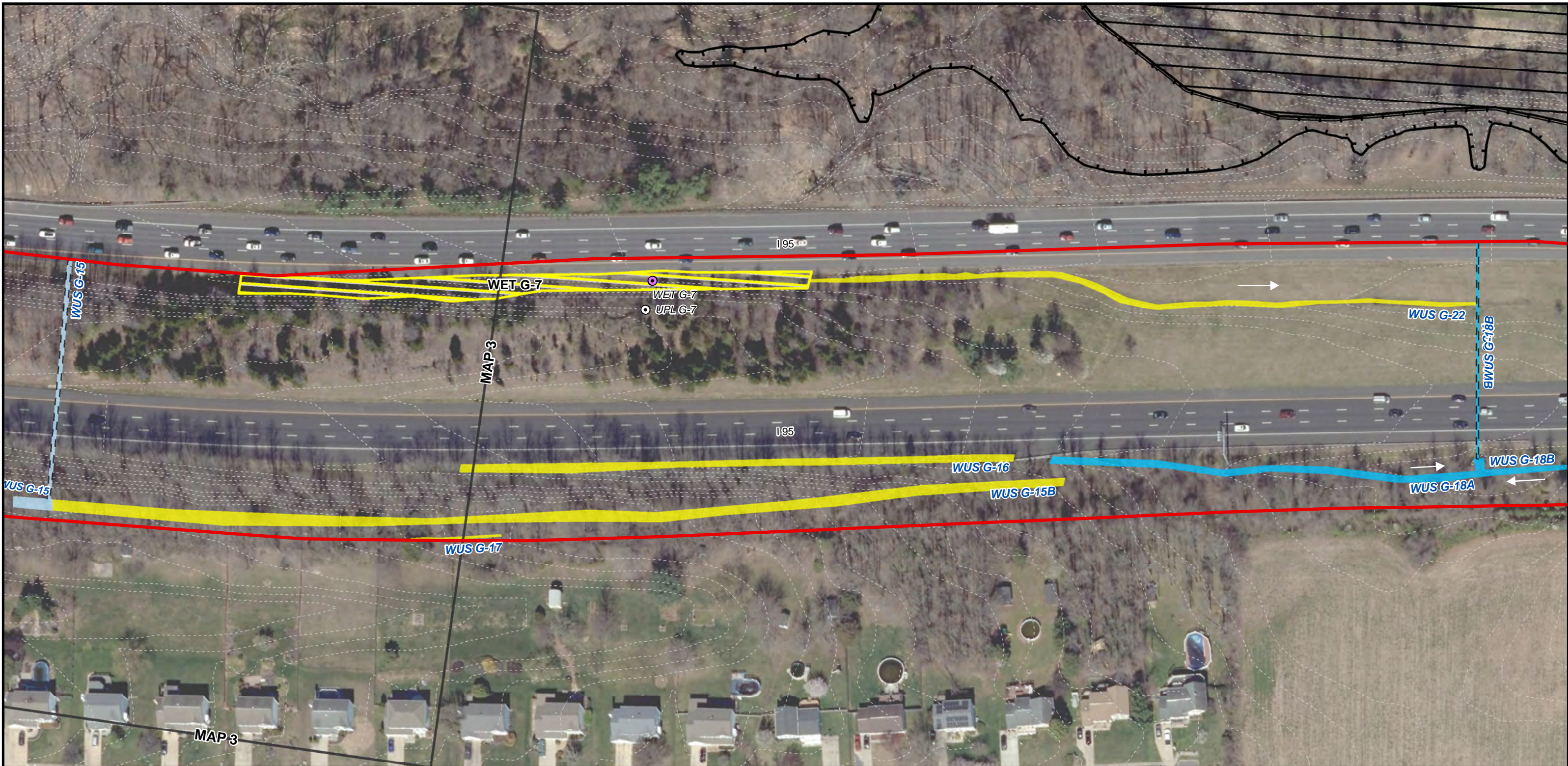
**Legend**

|                   |                      |               |                           |
|-------------------|----------------------|---------------|---------------------------|
| Study Area        | <b>Sample Plots</b>  | PEM           | <b>Delineated Streams</b> |
| Map Boundary      | Upland               | PFO           | Ephemeral                 |
| 100-Yr Floodplain | Wetland              | PSS           | Intermittent              |
| Floodway          | 2-Ft Contours        | No Auth. Req. | Perennial                 |
| Culverted Stream  | 25-ft Wetland Buffer |               | No Auth. Req.             |

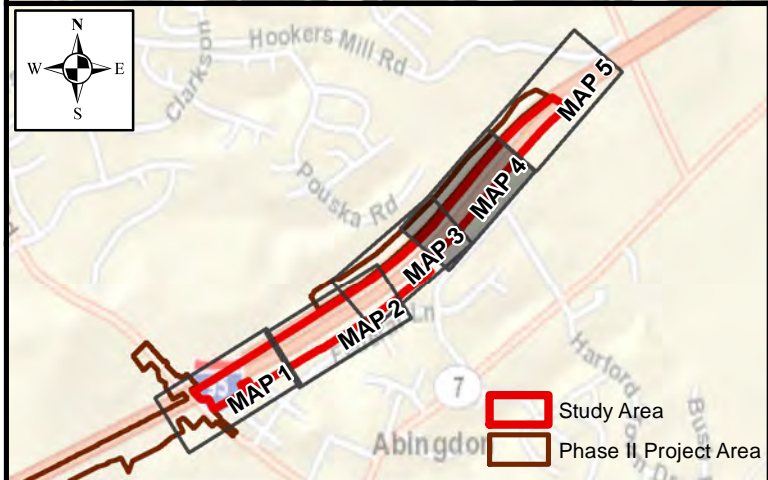
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1" = 100'

SOURCE: MD IMAP, FEMA, HARFORD CO.



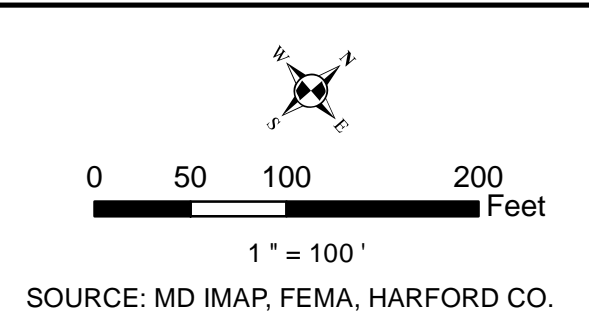
**I-95 ETL NORTHBOUND EXTENSION PHASE II**  
**G. KH-3020: I-95 NB ETL EXTENSION TO BYNUM RUN/NOISE WALL ON NB I-95 NORTH OF ABINGDON ROAD**  
**DELINEATED RESOURCE MAP 4**

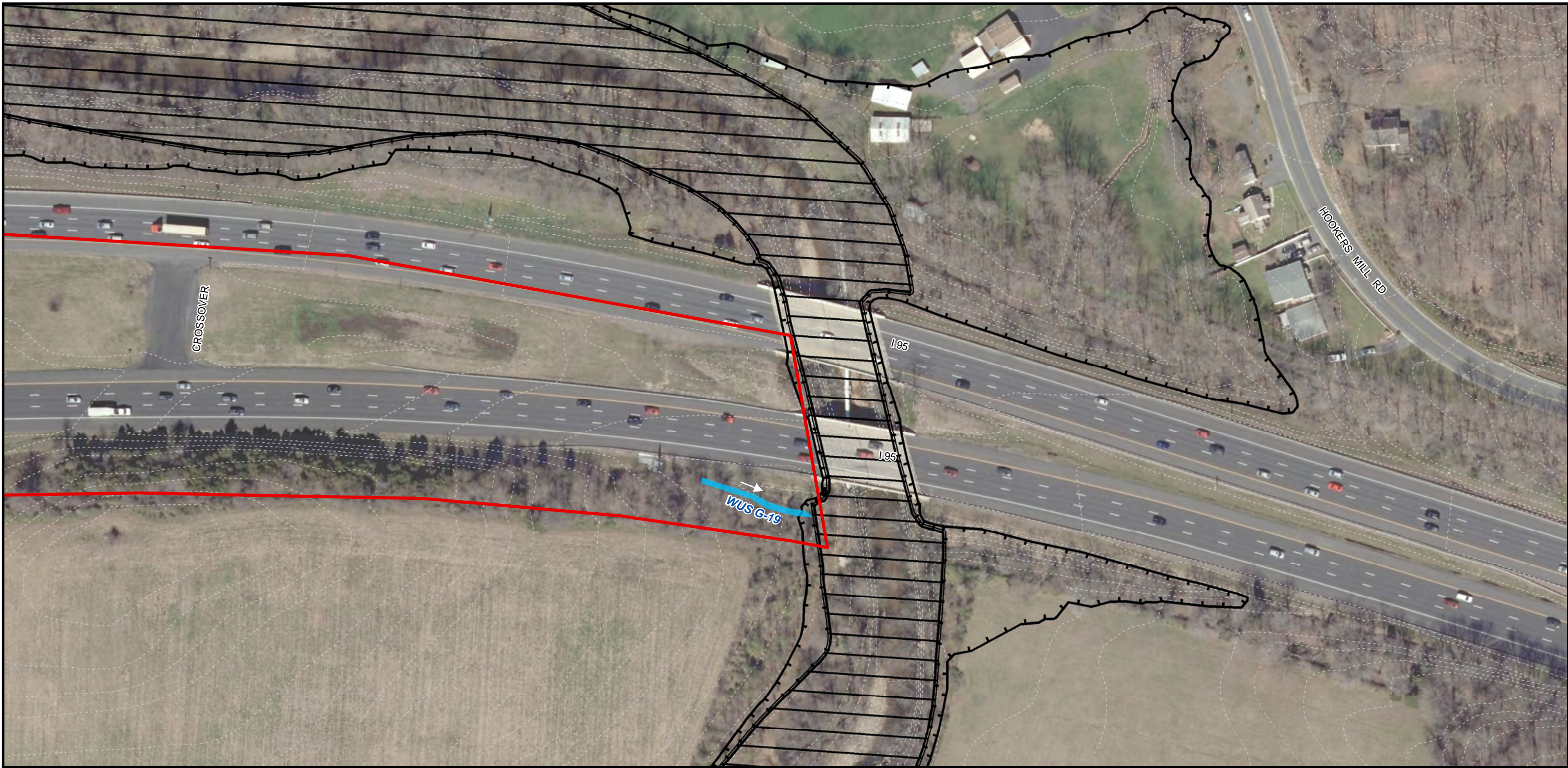


| Legend            |                      | Sample Plots  | Delineated Wetlands | Delineated Streams |
|-------------------|----------------------|---------------|---------------------|--------------------|
| Study Area        | Map Boundary         | Upland        | PEM                 | Ephemeral          |
| 100-Yr Floodplain | Floodway             | Wetland       | PFO                 | Intermittent       |
| Culverted Stream  | 25-ft Wetland Buffer | 2-Ft Contours | PSS                 | Perennial          |
|                   |                      |               | No Auth. Req.       | No Auth. Req.      |

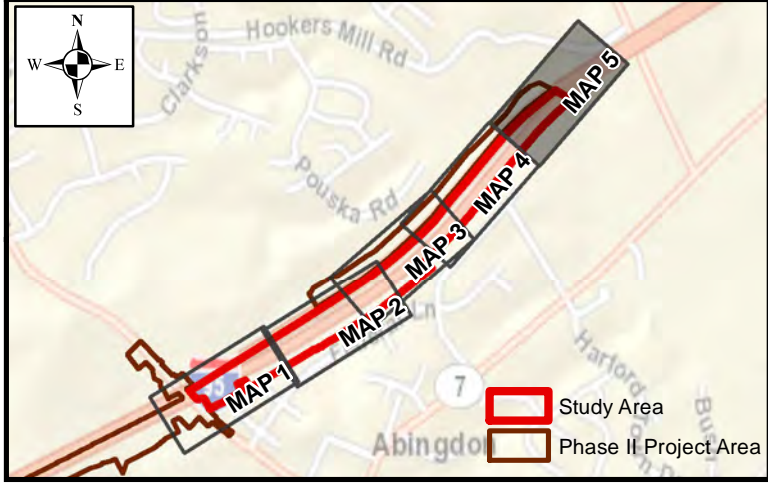


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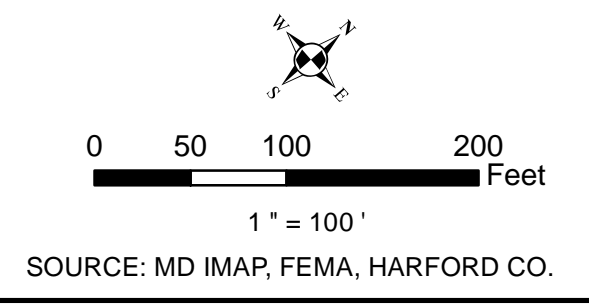
**I-95 ETL NORTHBOUND EXTENSION PHASE II**  
**G. KH-3020: I-95 NB ETL EXTENSION TO BYNUM RUN/NOISE WALL ON NB I-95 NORTH OF ABINGDON ROAD**  
**DELINEATED RESOURCE MAP 5**

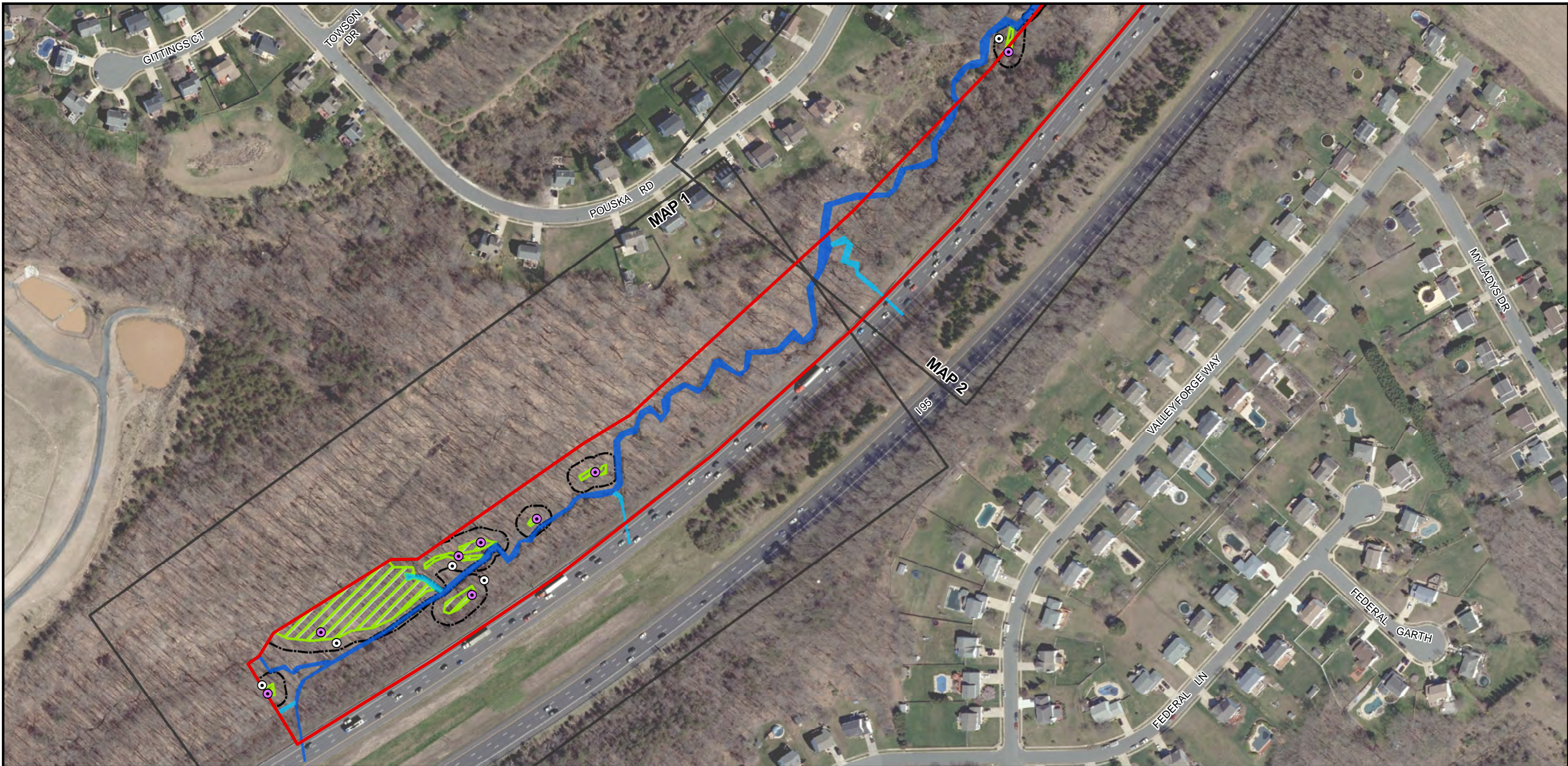


| Legend            |               | Sample Plots         | Delineated Wetlands | Delineated Streams |
|-------------------|---------------|----------------------|---------------------|--------------------|
| Study Area        | Map Boundary  | Upland               | PEM                 | Ephemeral          |
| 100-Yr Floodplain | Floodway      | Wetland              | PFO                 | Intermittent       |
| Culverted Stream  | 2-Ft Contours | 25-ft Wetland Buffer | PSS                 | Perennial          |
|                   |               |                      | No Auth. Req.       | No Auth. Req.      |

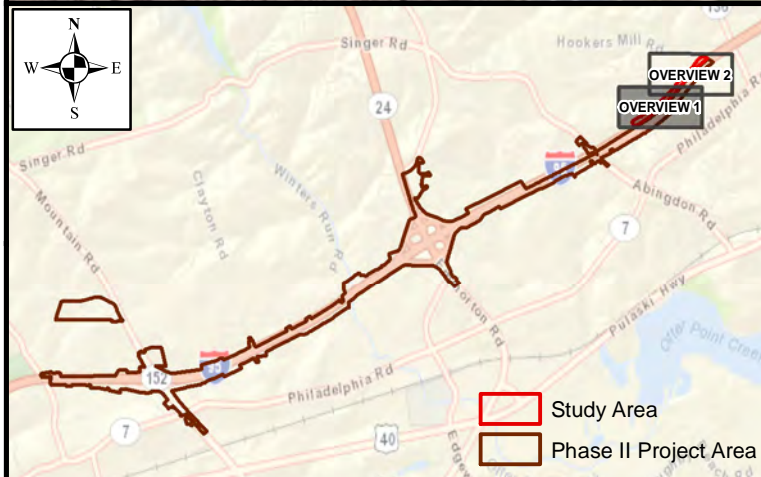


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**I-95 ETL NORTHBOUND EXTENSION PHASE II  
H. KH-3031: NOISE WALL ON SB I-95 SOUTH OF CALVARY ROAD  
OVERVIEW MAP 1**



**Legend**

- Study Area
- Map Boundary
- 100-Yr Floodplain
- Floodway

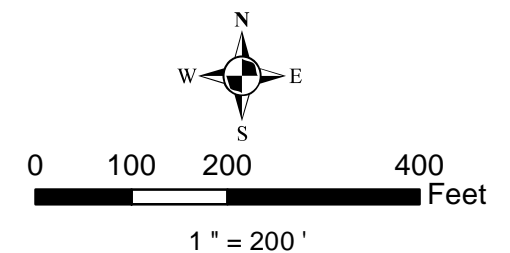
- Sample Plots**
- Upland
  - Wetland
  - 25-ft Wetland Buffer

- Delineated Wetlands**
- PFO, PFO/PEM
  - PEM
  - PSS
  - No Auth. Req.

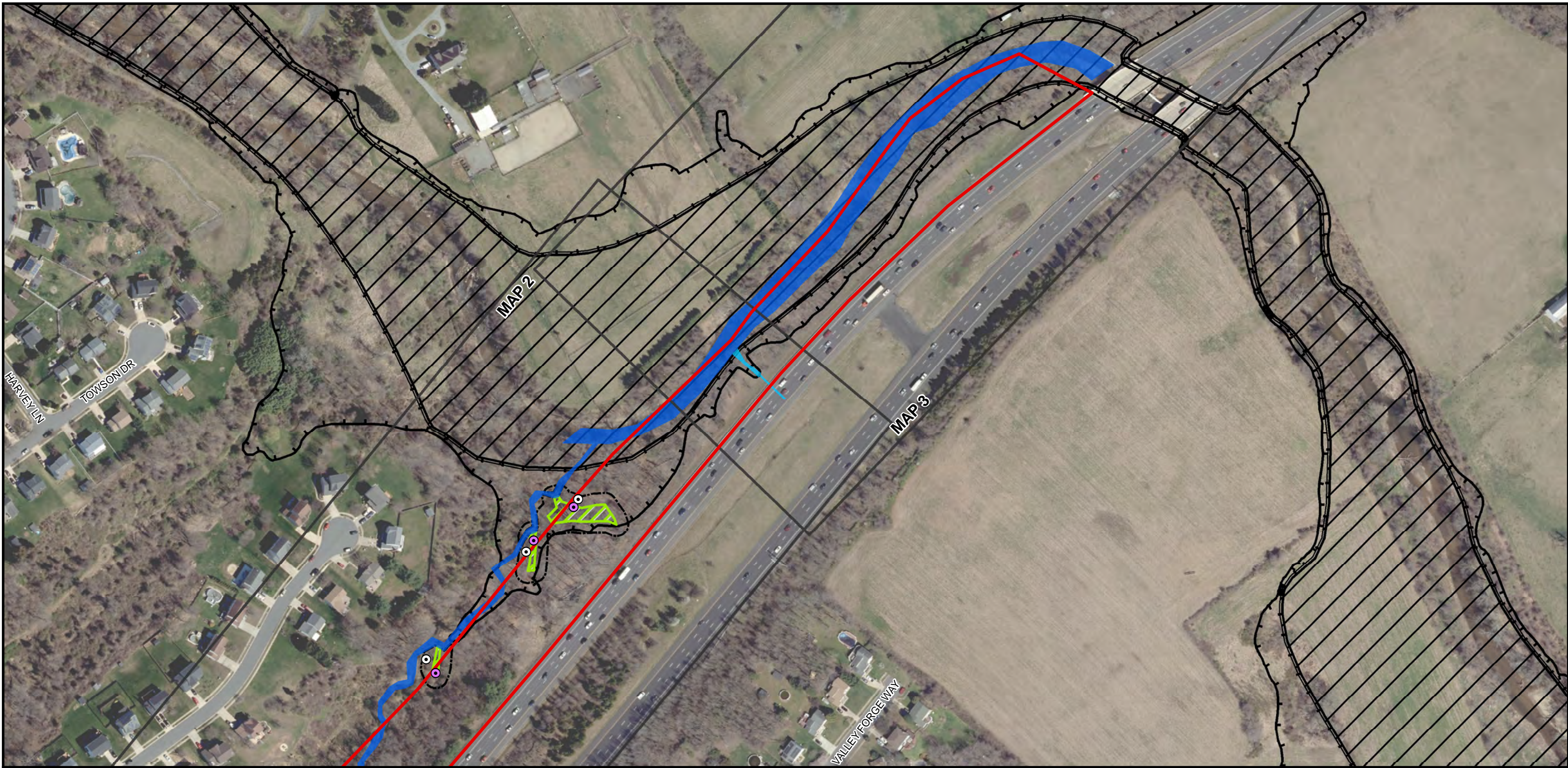
- Delineated Streams**
- Ephemeral
  - Intermittent
  - Perennial
  - No Auth. Req.



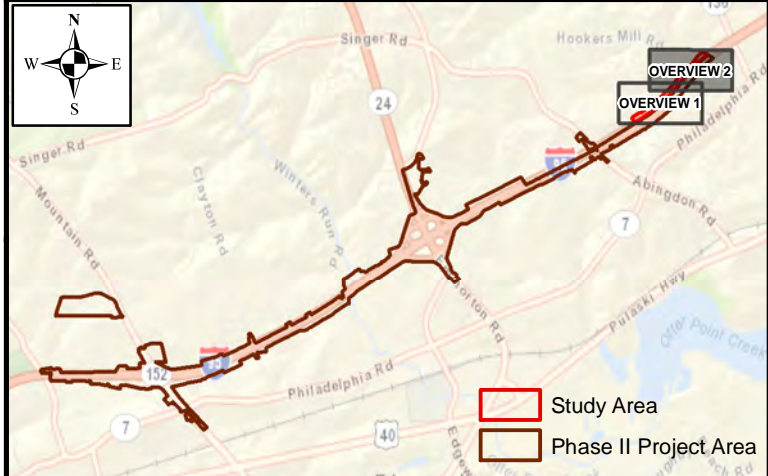
DATE: APRIL 2019



SOURCE: MD IMAP, FEMA, HARFORD CO.



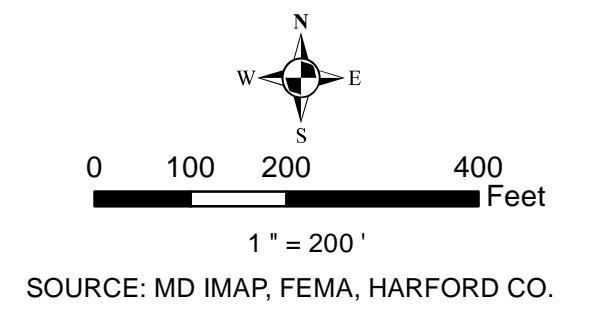
**I-95 ETL NORTHBOUND EXTENSION PHASE II  
H. KH-3031: NOISE WALL ON SB I-95 SOUTH OF CALVARY ROAD  
OVERVIEW MAP 2**

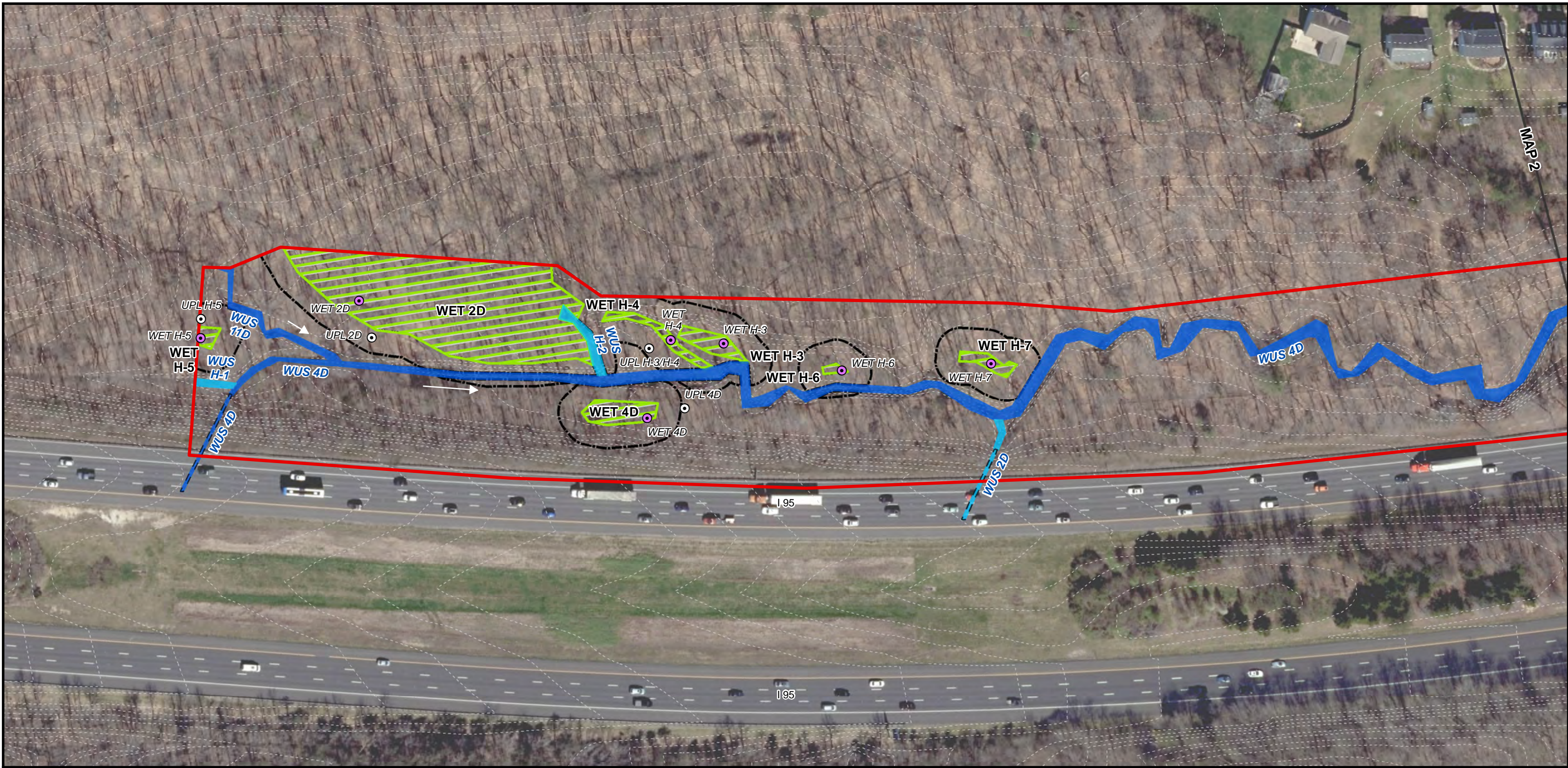


| Legend            |                      | Sample Plots | Delineated Wetlands | Delineated Streams |
|-------------------|----------------------|--------------|---------------------|--------------------|
| Study Area        | Map Boundary         | Upland       | PFO, PFO/PEM        | Ephemeral          |
| 100-Yr Floodplain | 25-ft Wetland Buffer | Wetland      | PEM                 | Intermittent       |
| Floodway          |                      |              | PSS                 | Perennial          |
|                   |                      |              | No Auth. Req.       | No Auth. Req.      |



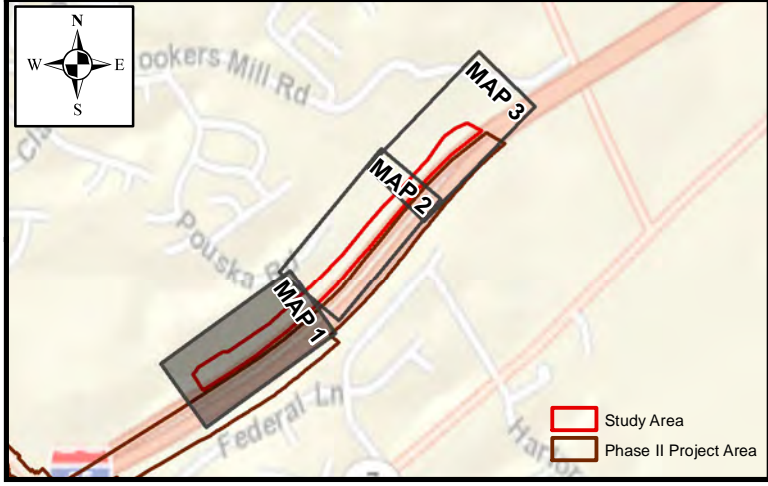
DATE: APRIL 2019



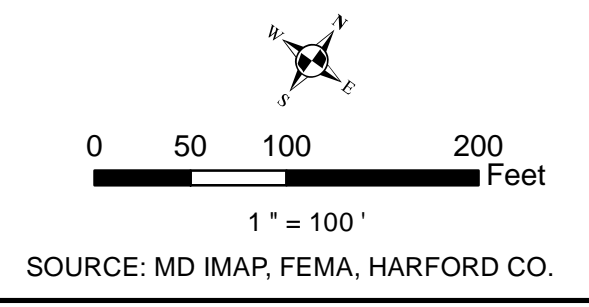


MAP 2

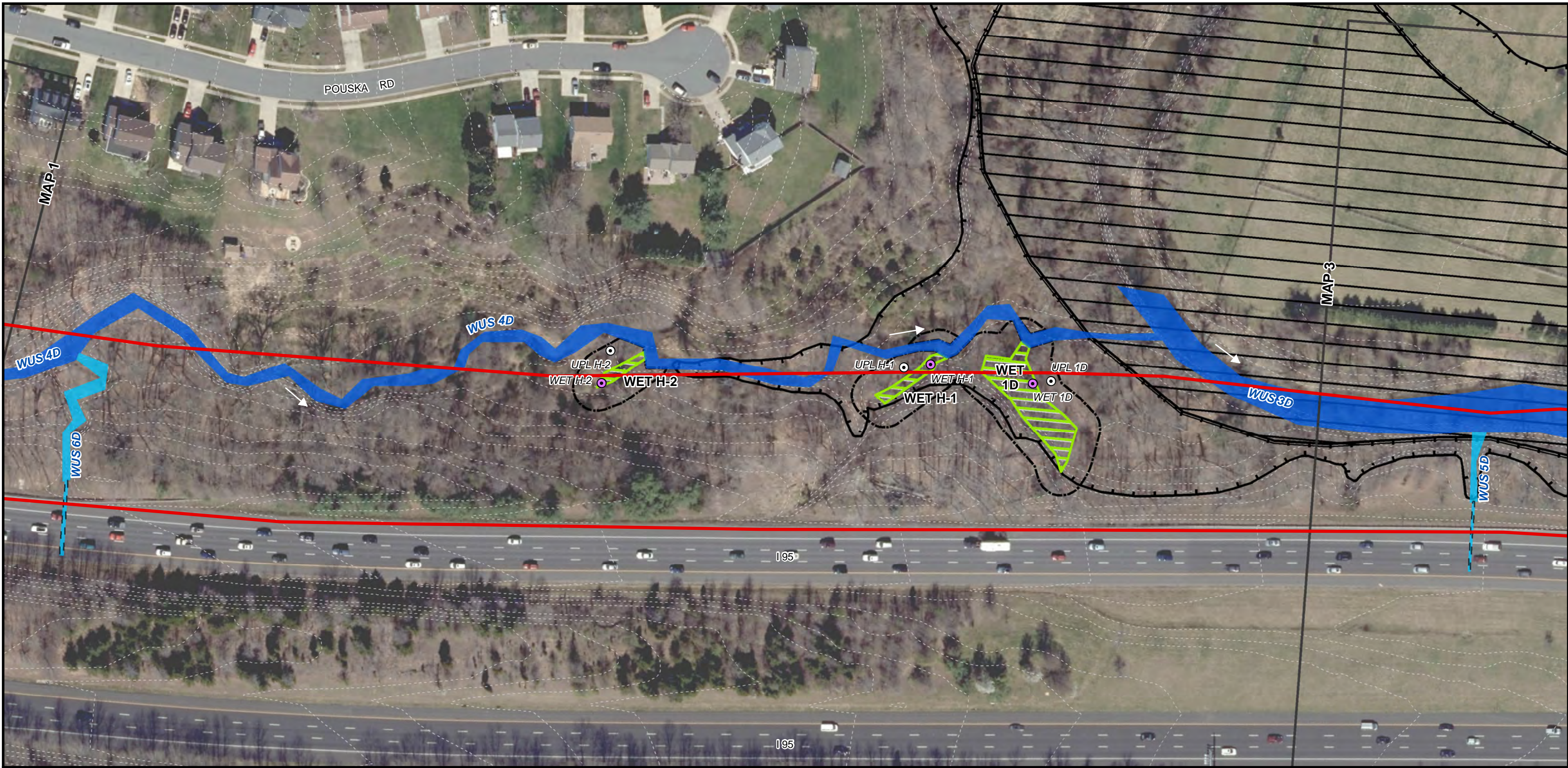
**I-95 ETL NORTHBOUND EXTENSION PHASE II  
H. KH-3031: NOISE WALL ON SB I-95 SOUTH OF CALVARY ROAD  
DELINEATED RESOURCE MAP 1**



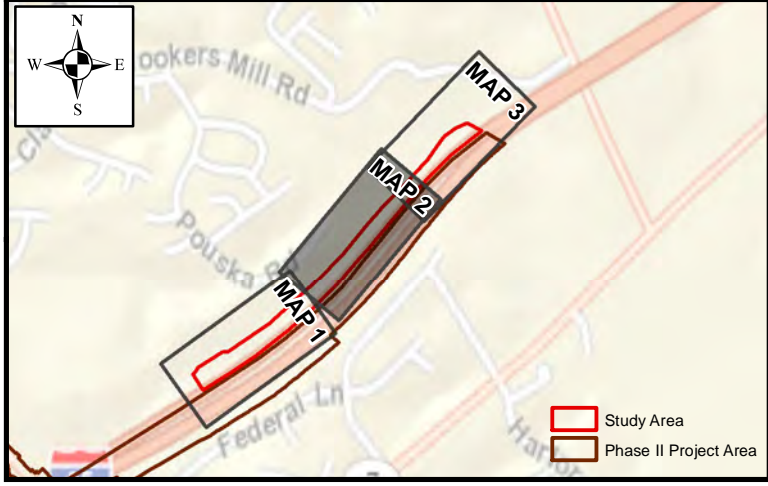
| Legend            |               | Sample Plots         | Delineated Wetlands | Delineated Streams |
|-------------------|---------------|----------------------|---------------------|--------------------|
| Study Area        | Map Boundary  | Upland               | PFO, PFO/PEM        | Ephemeral          |
| 100-Yr Floodplain | Floodway      | Wetland              | PEM                 | Intermittent       |
| Floodway          | 2-Ft Contours | 25-ft Wetland Buffer | PSS                 | Perennial          |
| Culverted Stream  |               |                      | No Auth. Req.       | No Auth. Req.      |



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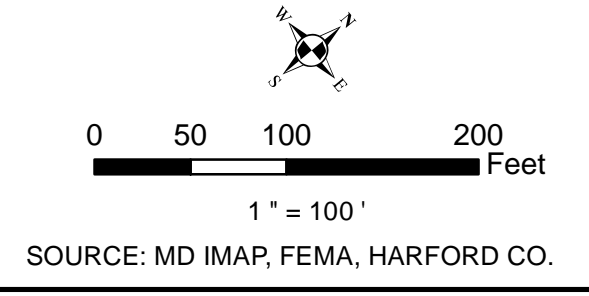
**I-95 ETL NORTHBOUND EXTENSION PHASE II  
H. KH-3031: NOISE WALL ON SB I-95 SOUTH OF CALVARY ROAD  
DELINEATED RESOURCE MAP 2**

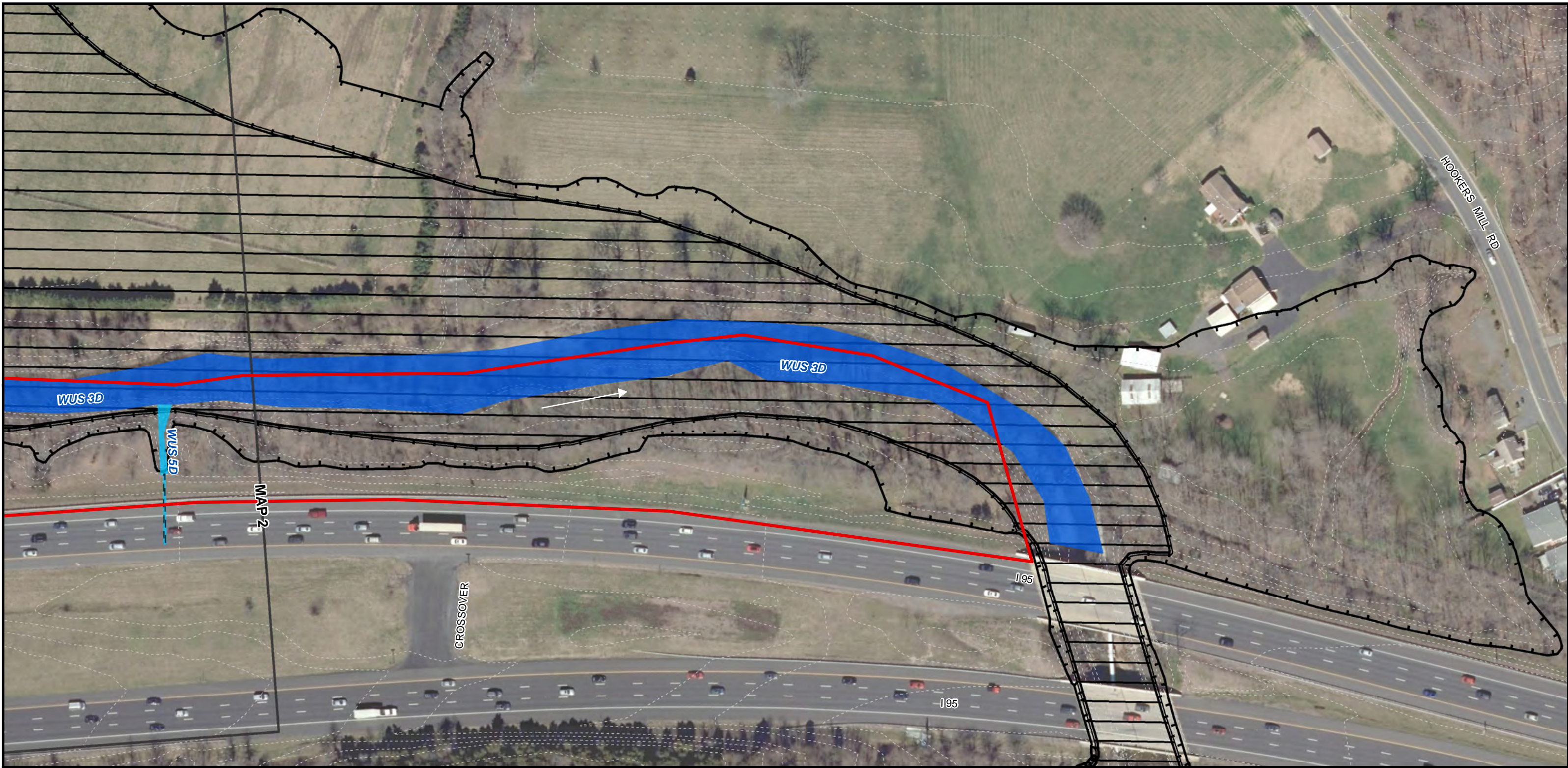


| Legend            |               | Sample Plots         | Delineated Wetlands | Delineated Streams |
|-------------------|---------------|----------------------|---------------------|--------------------|
| Study Area        | Map Boundary  | Upland               | PFO, PFO/PEM        | Ephemeral          |
| 100-Yr Floodplain | Floodway      | Wetland              | PEM                 | Intermittent       |
| Culverted Stream  | 2-Ft Contours | 25-ft Wetland Buffer | PSS                 | Perennial          |
|                   |               |                      | No Auth. Req.       | No Auth. Req.      |

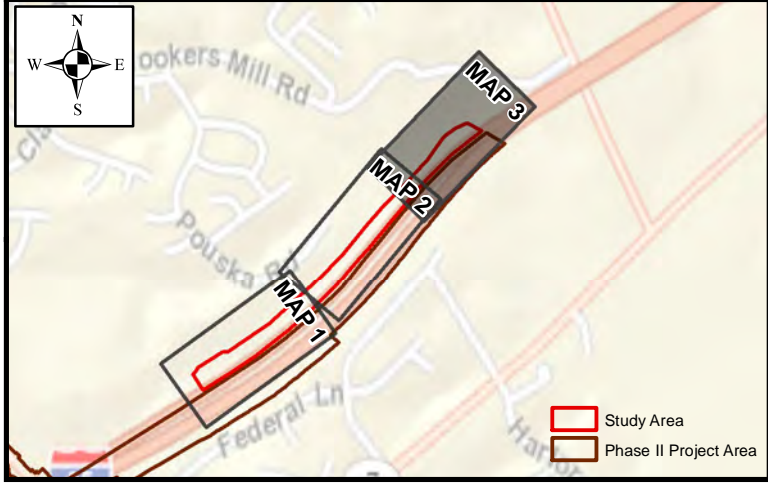





















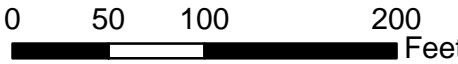
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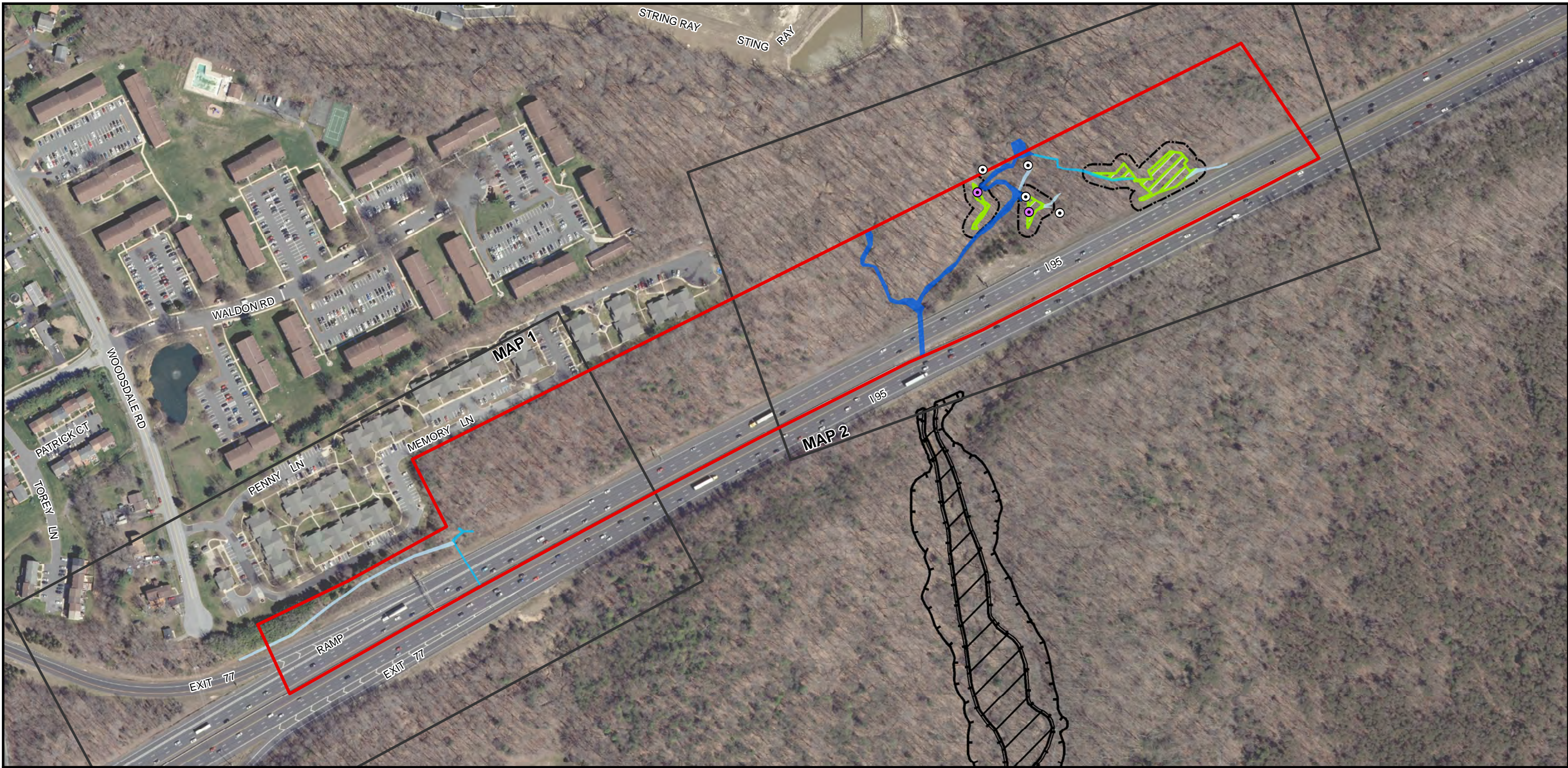


**I-95 ETL NORTHBOUND EXTENSION PHASE II  
H. KH-3031: NOISE WALL ON SB I-95 SOUTH OF CALVARY ROAD  
DELINEATED RESOURCE MAP 3**

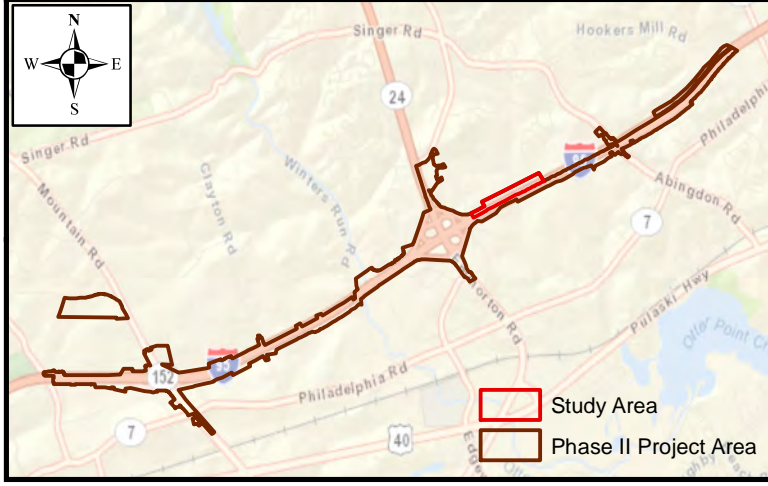


|   |  |   |  |  |   |   |   |   |
|---|--|---|--|--|---|---|---|---|
| <b>Legend</b>   |  | <b>Sample Plots</b>   |  | <b>Delineated Wetlands</b>   |   | <b>Delineated Streams</b>   |   |   |
|  Study Area        |  Map Boundary |  Upland        |  Wetland              |  PFO, PFO/PEM |  PEM           |  Ephemeral |  Intermittent  |   |
|  100-Yr Floodplain |  Floodway     |  2-Ft Contours |  25-ft Wetland Buffer |  PSS          |  No Auth. Req. |  Perennial |  No Auth. Req. |   |
|  Culverted Stream  |  |   |  |  |   |   |   | <br>1" = 100'<br>DATE: APRIL 2019<br>SOURCE: MD IMAP, FEMA, HARFORD CO.                |





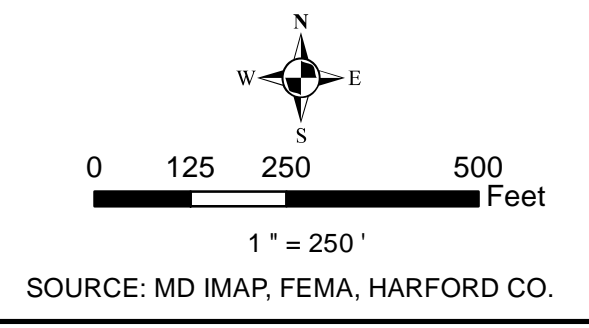
**I-95 ETL NORTHBOUND EXTENSION PHASE II  
I. KH-3030: NOISE WALL ON SB I-95 AT MD 24/WOODSDALE  
OVERVIEW MAP**

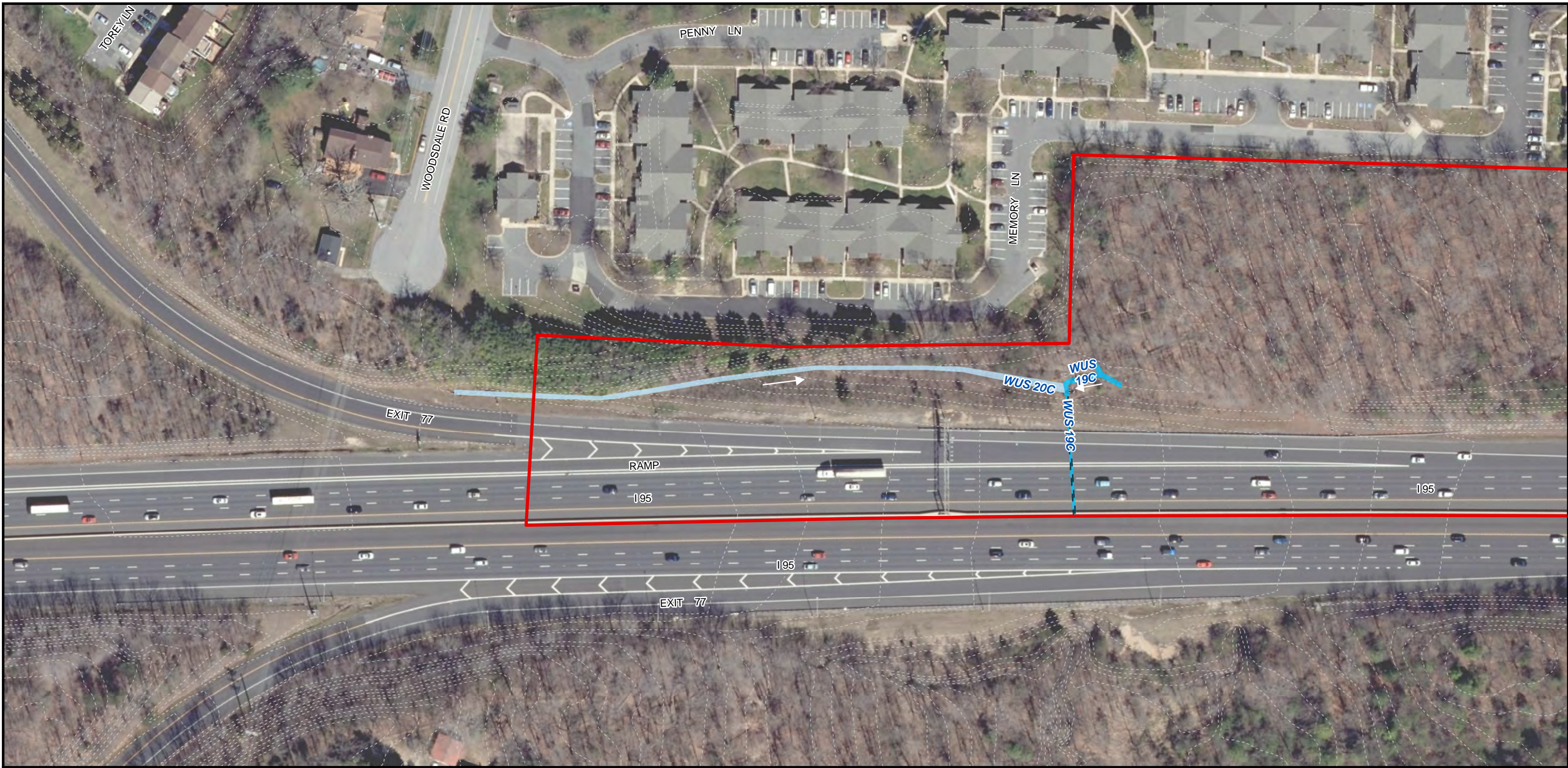


| Legend |                   | Sample Plots | Delineated Wetlands | Delineated Streams |
|--------|-------------------|--------------|---------------------|--------------------|
|        | Study Area        |              |                     |                    |
|        | Map Boundary      |              |                     |                    |
|        | 100-Yr Floodplain |              |                     |                    |
|        | Floodway          |              |                     |                    |
|        |                   |              |                     |                    |
|        |                   |              |                     |                    |
|        |                   |              |                     |                    |
|        |                   |              |                     |                    |
|        |                   |              |                     |                    |

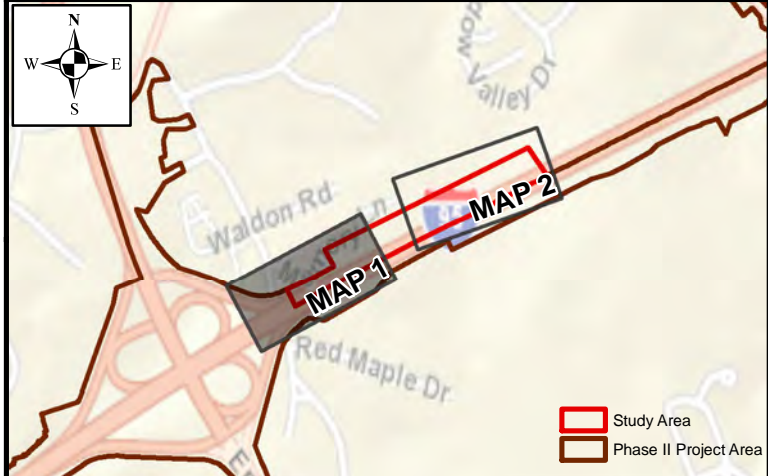


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**I-95 ETL NORTHBOUND EXTENSION PHASE II  
I. KH-3030: NOISE WALL ON SB I-95 AT MD 24/WOODSDALE  
DELINEATED RESOURCE MAP 1**



**Legend**

|                   |
|-------------------|
| Study Area        |
| Map Boundary      |
| 100-Yr Floodplain |
| Floodway          |
| Culverted Stream  |

**Sample Plots**

|                      |
|----------------------|
| Upland               |
| Wetland              |
| 2-Ft Contours        |
| 25-ft Wetland Buffer |

**Delineated Wetlands**

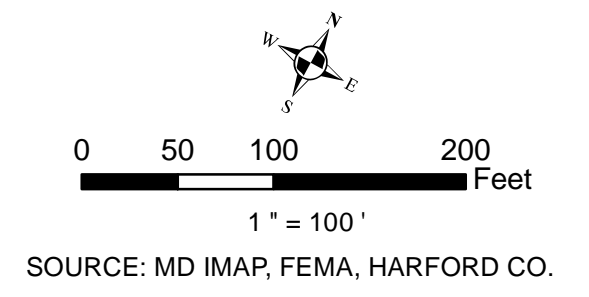
|               |
|---------------|
| PEM           |
| PFO           |
| PSS           |
| No Auth. Req. |

**Delineated Streams**

|               |
|---------------|
| Ephemeral     |
| Intermittent  |
| Perennial     |
| No Auth. Req. |

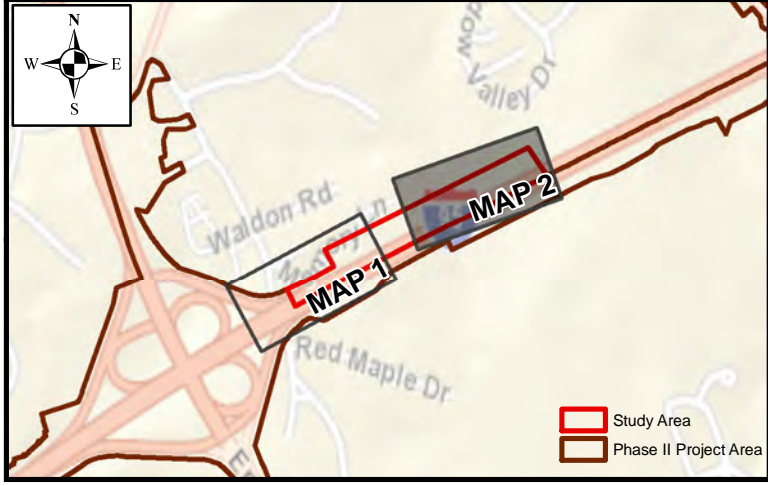


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**I-95 ETL NORTHBOUND EXTENSION PHASE II  
I. KH-3030: NOISE WALL ON SB I-95 AT MD 24/WOODSDALE  
DELINEATED RESOURCE MAP 2**



| Legend            |                      | Sample Plots  | Delineated Wetlands | Delineated Streams |
|-------------------|----------------------|---------------|---------------------|--------------------|
| Study Area        | Map Boundary         | Upland        | PEM                 | Ephemeral          |
| 100-Yr Floodplain | Floodway             | Wetland       | PFO                 | Intermittent       |
| Culverted Stream  | 25-ft Wetland Buffer | 2-Ft Contours | PSS                 | Perennial          |
|                   |                      |               | No Auth. Req.       | No Auth. Req.      |



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