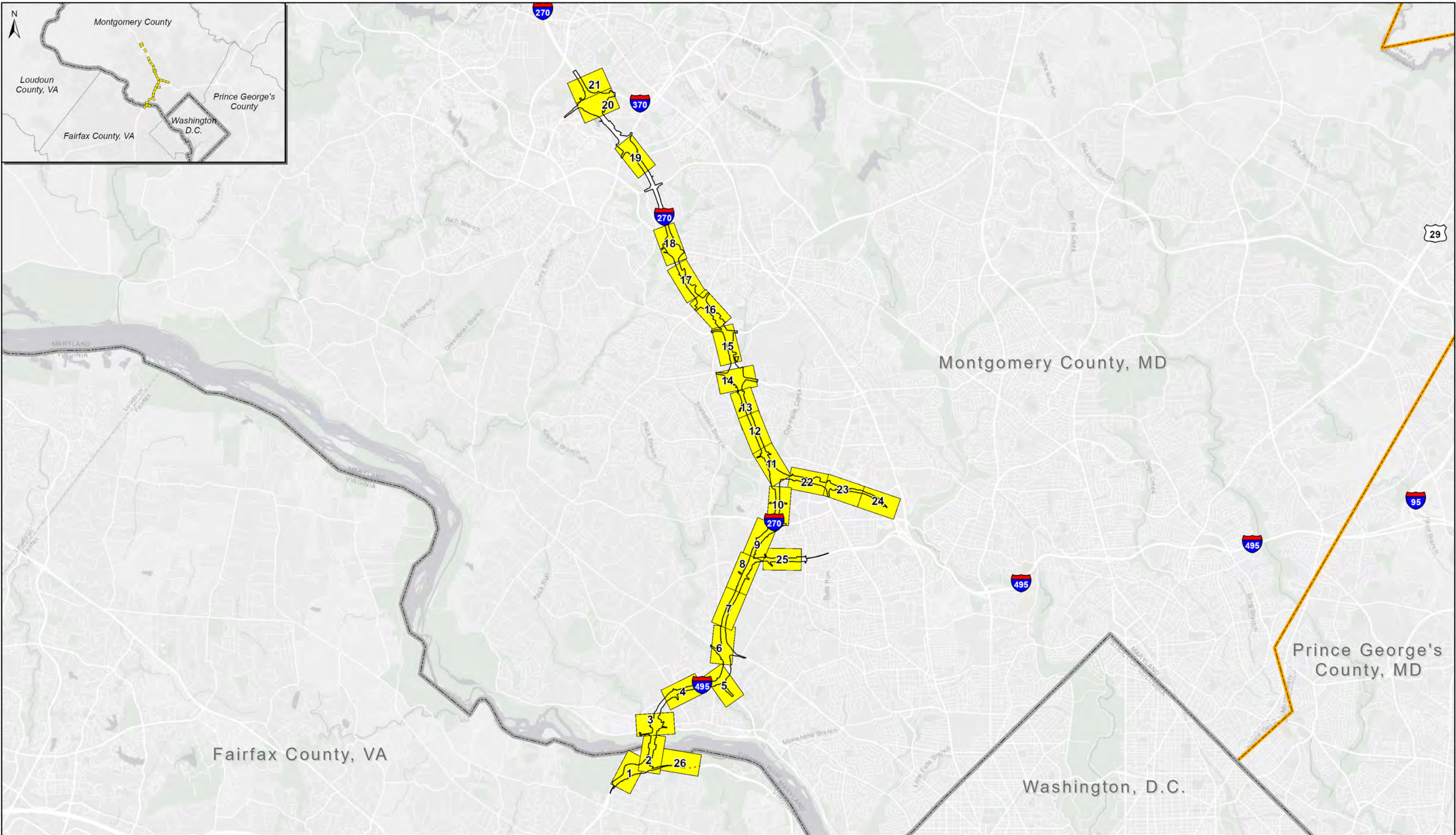


Wetland and Waterway Impact Plates

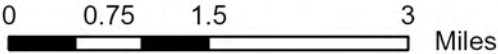


I-495 & I-270 Managed Lanes Study



LEGEND

- Impact Plate
- Limit of Disturbance
- State Boundary
- County Boundary

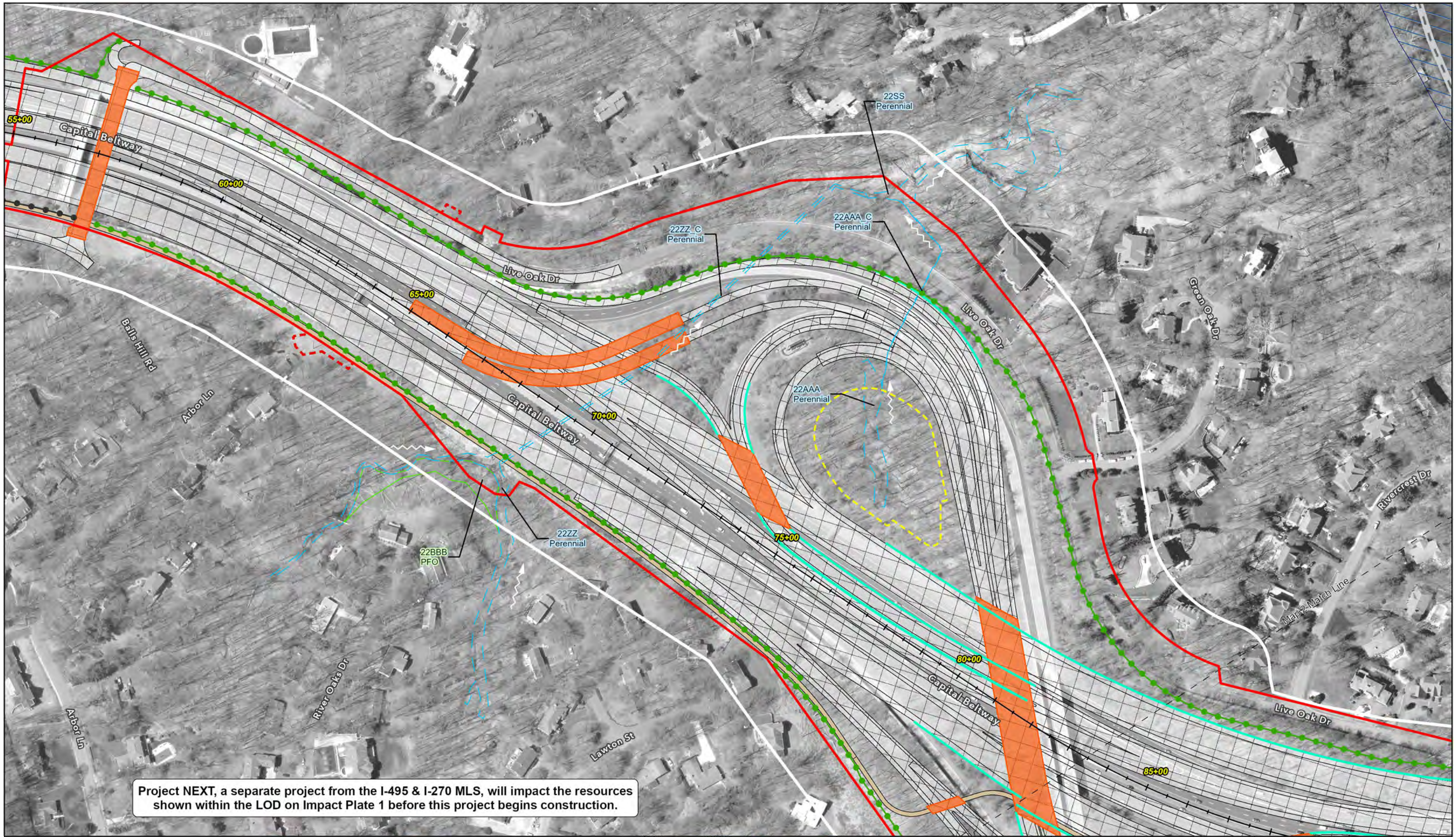


June 2022



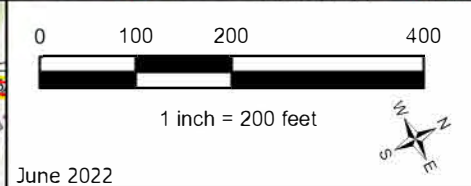
**Wetland and Waterway
Impact Plates
Key Sheet**





Project NEXT, a separate project from the I-495 & I-270 MLS, will impact the resources shown within the LOD on Impact Plate 1 before this project begins construction.

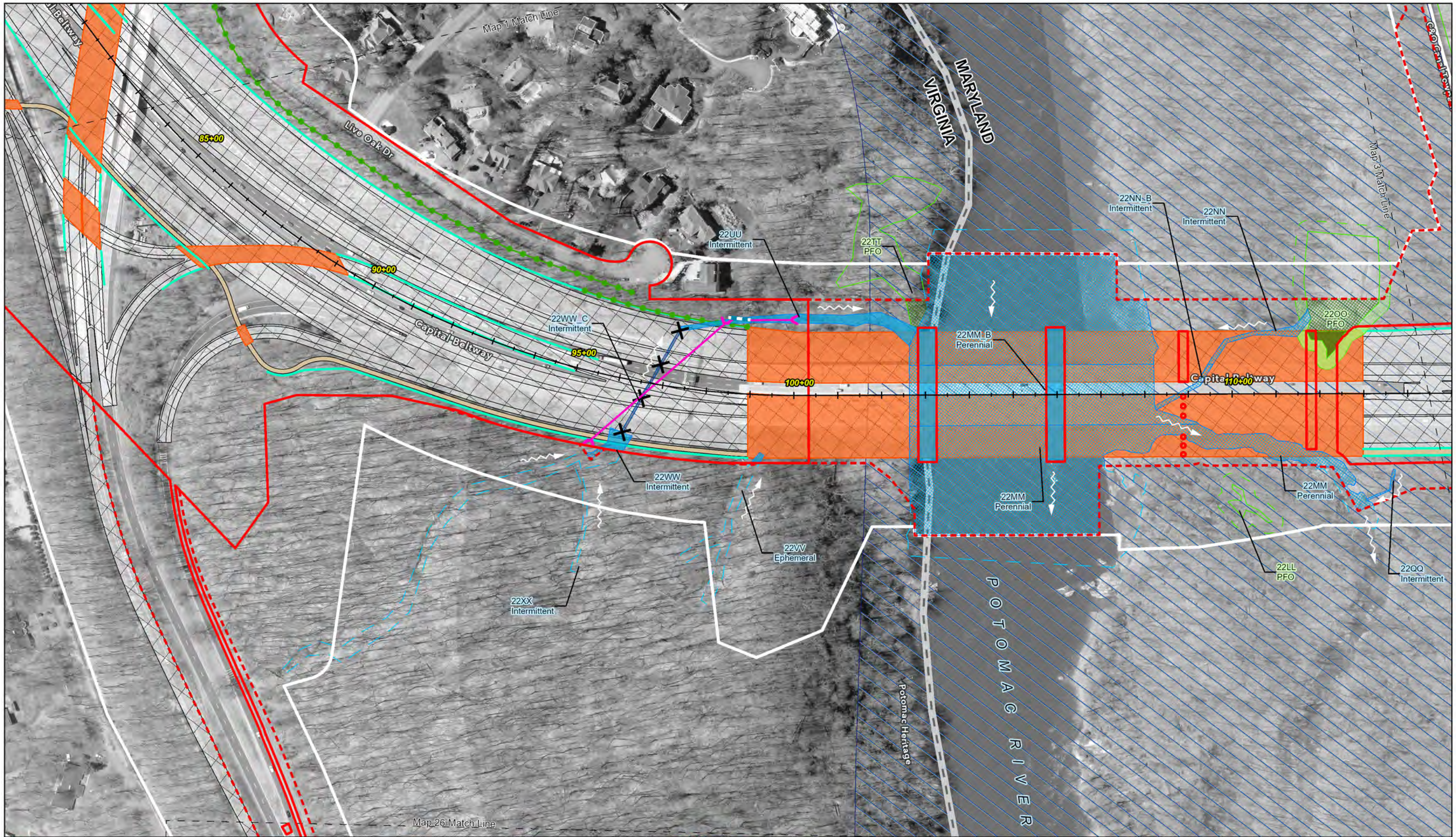
RPA Limit of Disturbance Temp	Proposed Retaining Wall	Bridge
RPA Limit of Disturbance Perm	New/Augmented Pipe/Culvert	Limit Of Improved SWM / Storage
Delineation Limits	Relocated Channel	Limit Of Restoration
Proposed Pavement	Proposed SWM - Pond	Limit Of Stabilization
Noise Wall Proposed	Proposed SWM - Swale	Shared Use Path
Noise Wall Existing	Proposed SWM - Vault	Flow Direction
Waterway Impact Perm	Waterway Impact Temp	Wetland Buffer Impact Perm
Culvert Impact Perm	Culvert Impact Temp	Wetland Buffer Impact Temp
Wetland Impact Perm	Wetland Impact Temp	Stream No Impact
Wetland Impact Temp	Wetland No Impact	Wetland No Impact
	Wetland Buffer No Impact	FEMA 100-Year Floodplain



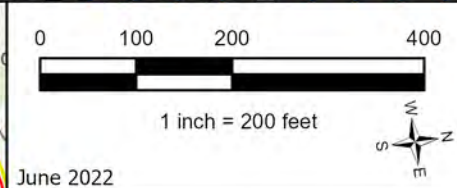
Virginia
Wetland and Waterway
Impact Plates

Mainline Impact Plate 1



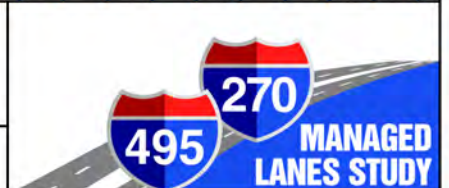


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| RPA Limit of Disturbance Temp | Proposed Retaining Wall | Bridge | Waterway Impact Perm | Wetland Buffer Impact Perm |
| RPA Limit of Disturbance Perm | New/Augmented Pipe/Culvert | Limit Of Improved SWM / Storage | Waterway Impact Temp | Wetland Buffer Impact Temp |
| Delineation Limits | Relocated Channel | Limit Of Restoration | Culvert Impact Perm | Stream No Impact |
| Proposed Pavement | Proposed SWM - Pond | Limit Of Stabilization | Culvert Impact Temp | Wetland No Impact |
| Noise Wall Proposed | Proposed SWM - Swale | Shared Use Path | Wetland Impact Perm | Wetland Buffer No Impact |
| Noise Wall Existing | Proposed SWM - Vault | Flow Direction | Wetland Impact Temp | FEMA 100-Year Floodplain |



Virginia
Wetland and Waterway
Impact Plates

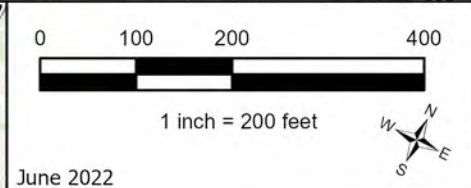
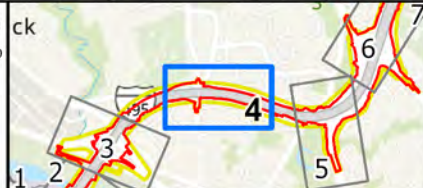
Mainline Impact Plate 2



June 2022

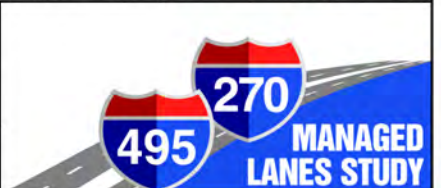


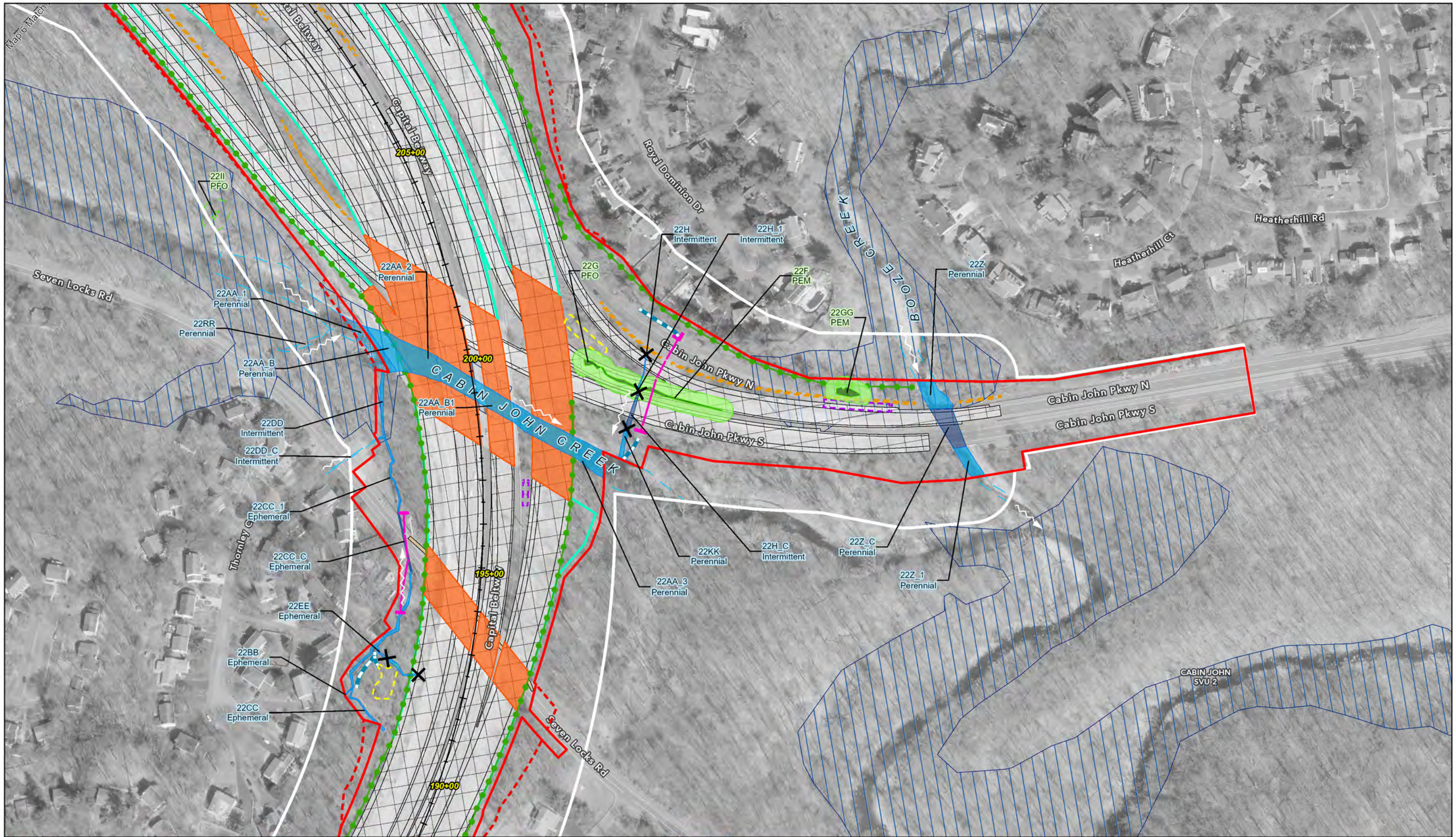
RPA Limit of Disturbance Temp	Proposed Retaining Wall	Bridge	Waterway Impact Perm	Wetland Buffer Impact Perm
RPA Limit of Disturbance Perm	New/Augmented Pipe/Culvert	Limit Of Improved SWM / Storage	Waterway Impact Temp	Wetland Buffer Impact Temp
Delineation Limits	Relocated Channel	Limit Of Restoration	Culvert Impact Perm	Stream No Impact
Proposed Pavement	Proposed SWM - Pond	Limit Of Stabilization	Culvert Impact Temp	Wetland No Impact
Noise Wall Proposed	Proposed SWM - Swale	Shared Use Path	Wetland Impact Perm	Wetland Buffer No Impact
Noise Wall Existing	Proposed SWM - Vault	Flow Direction	Wetland Impact Temp	FEMA 100-Year Floodplain

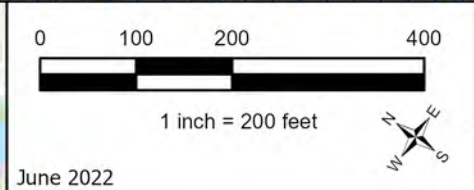
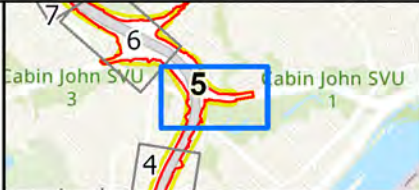


**Maryland
Wetland and Waterway
Impact Plates**

Mainline Impact Plate 4

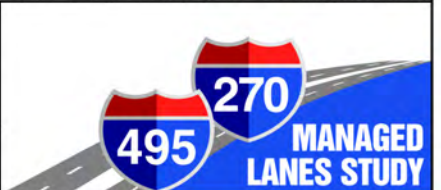




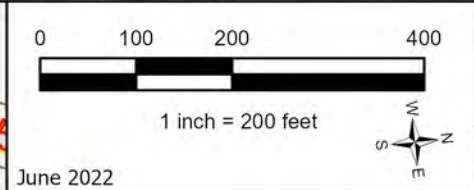
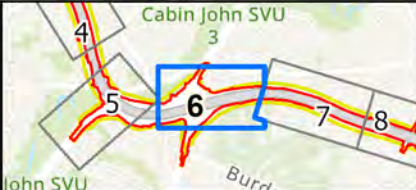
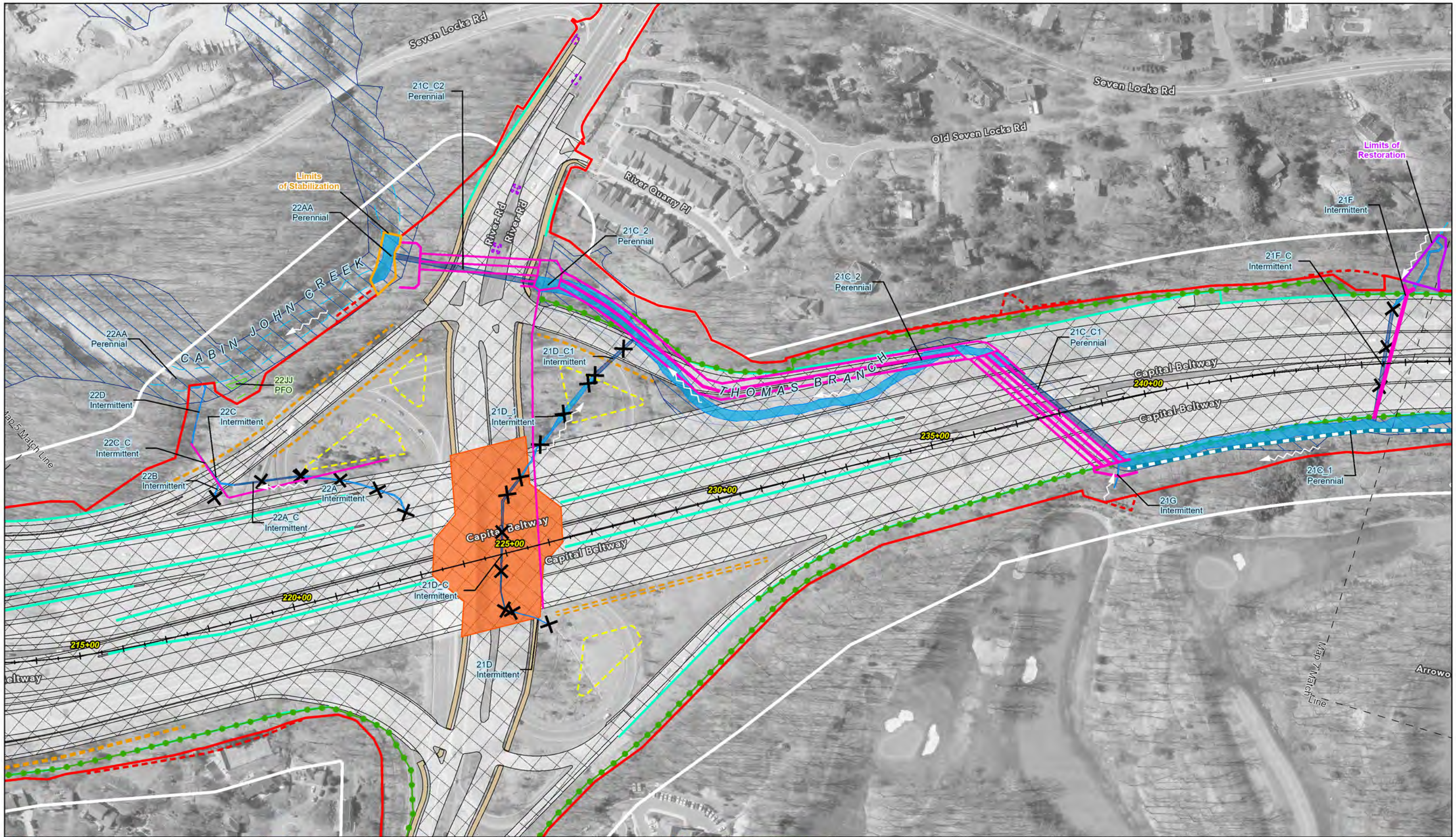


**Maryland
Wetland and Waterway
Impact Plates**

Mainline Impact Plate 5



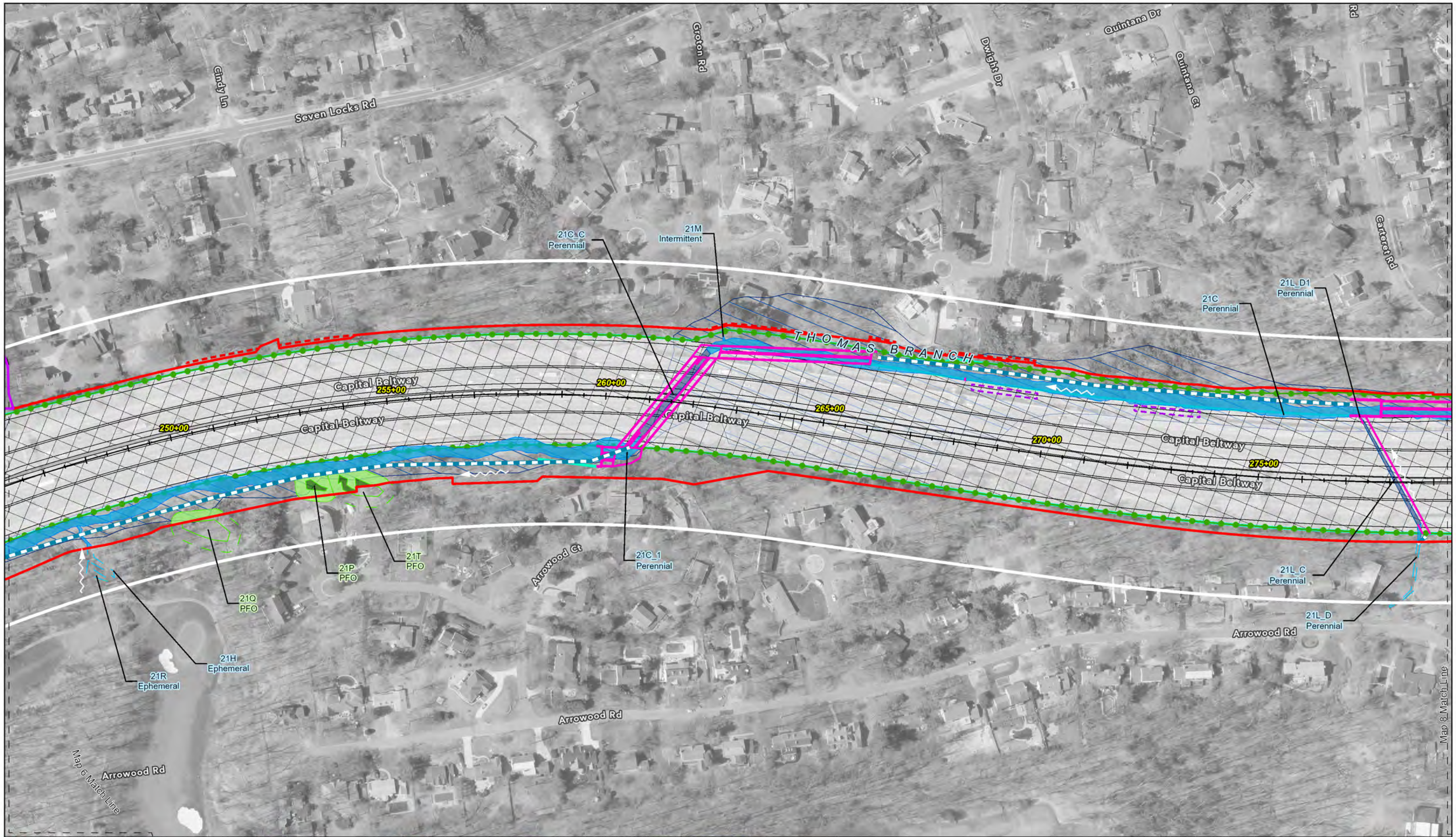
June 2022



Maryland
Wetland and Waterway
Impact Plates

Mainline Impact Plate 6





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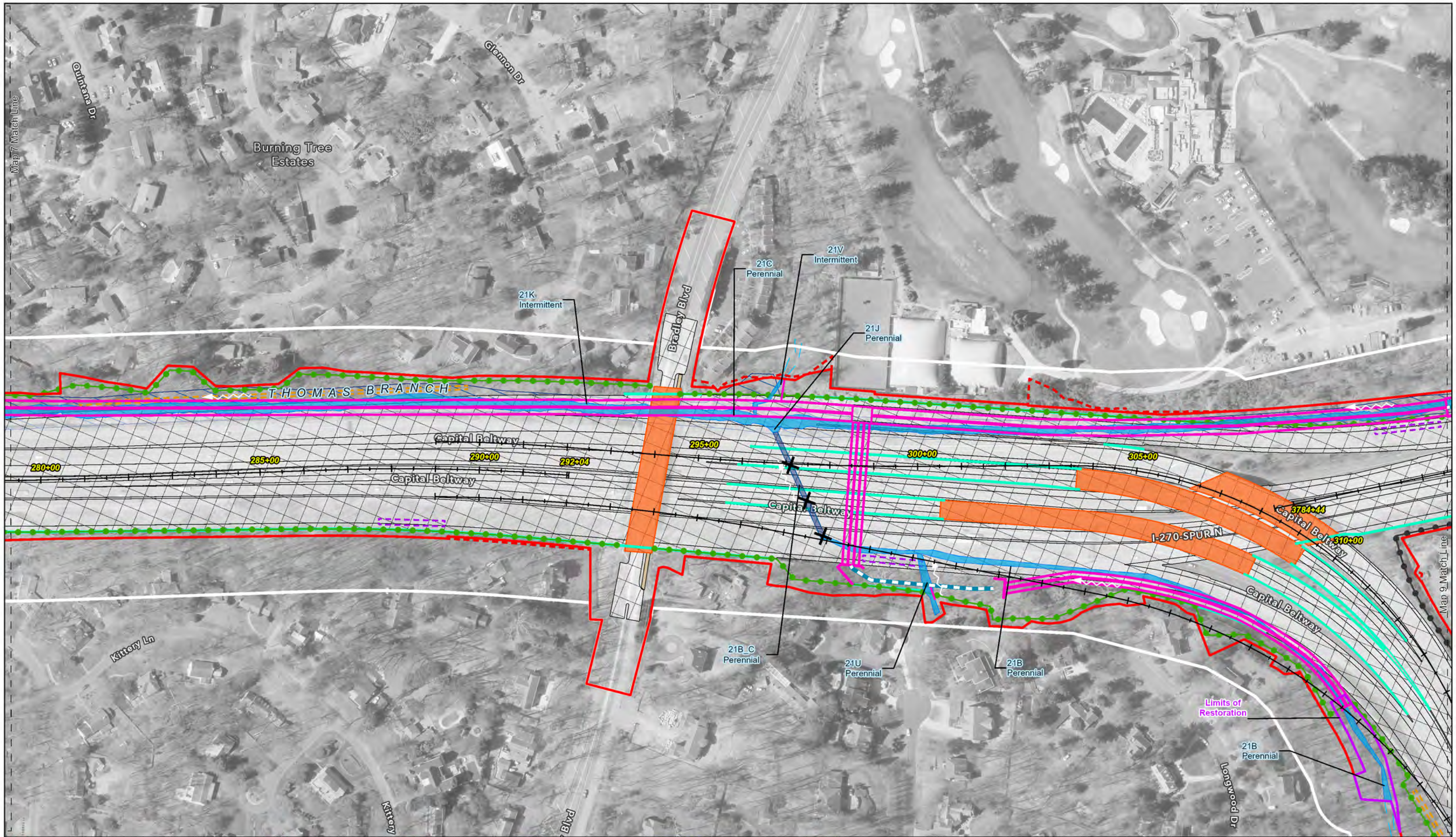
0 100 200 400
1 inch = 200 feet

June 2022

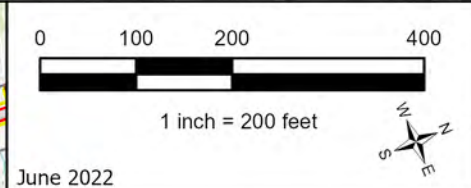
Maryland Wetland and Waterway Impact Plates

Mainline Impact Plate 7

495 270 MANAGED LANES STUDY



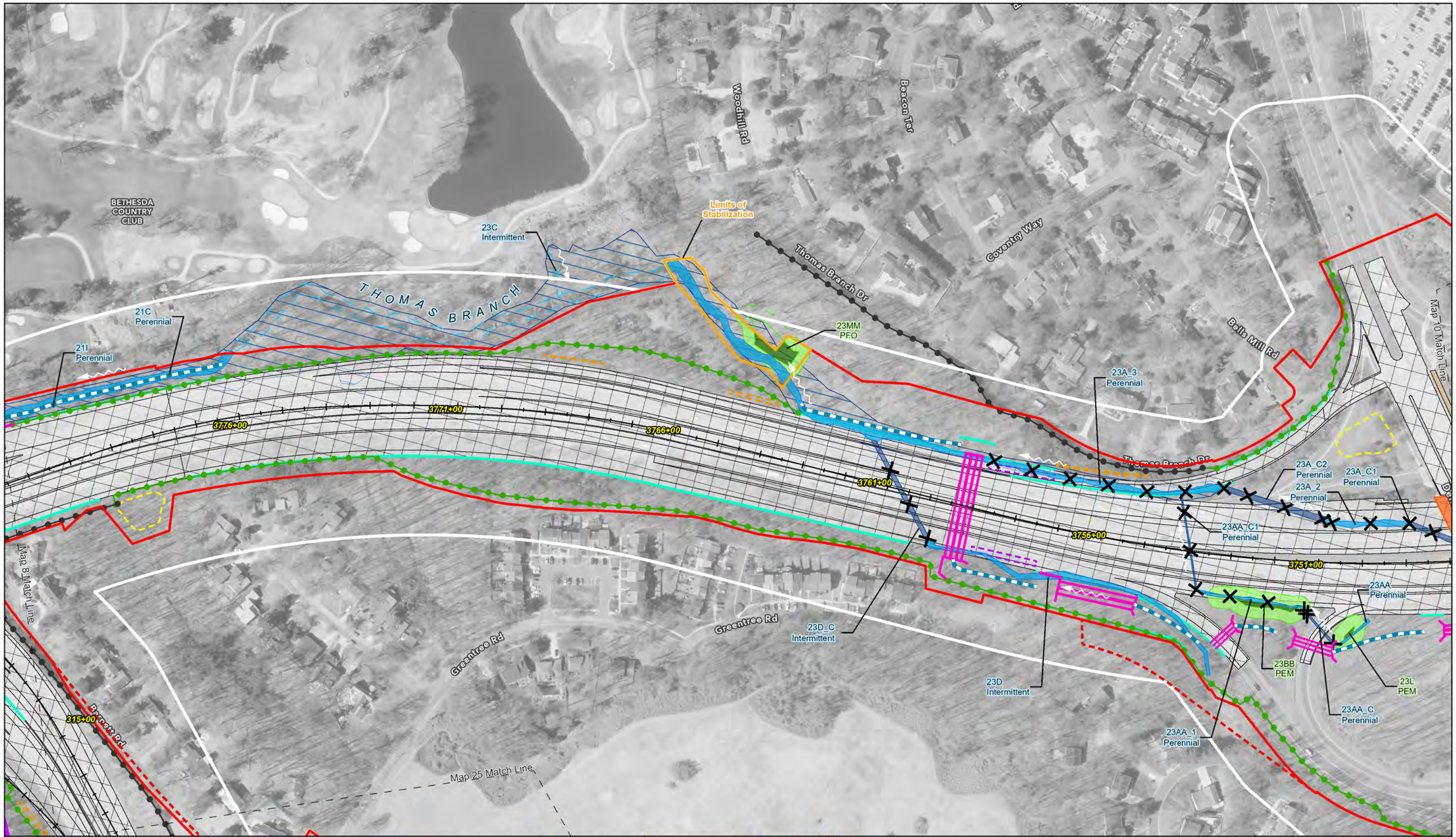
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| RPA Limit of Disturbance Temp | Proposed Retaining Wall | Bridge | Waterway Impact Perm | Wetland Buffer Impact Perm |
| RPA Limit of Disturbance Perm | New/Augmented Pipe/Culvert | Limit Of Improved SWM / Storage | Waterway Impact Temp | Wetland Buffer Impact Temp |
| Delineation Limits | Relocated Channel | Limit Of Restoration | Culvert Impact Perm | Stream No Impact |
| Proposed Pavement | Proposed SWM - Pond | Limit Of Stabilization | Culvert Impact Temp | Wetland No Impact |
| Noise Wall Proposed | Proposed SWM - Swale | Shared Use Path | Wetland Impact Perm | Wetland Buffer No Impact |
| Noise Wall Existing | Proposed SWM - Vault | Flow Direction | Wetland Impact Temp | FEMA 100-Year Floodplain |

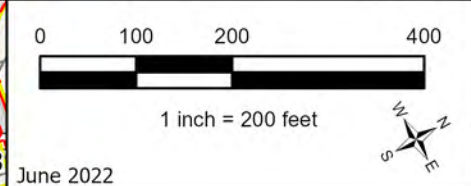


**Maryland
Wetland and Waterway
Impact Plates**

Mainline Impact Plate 8



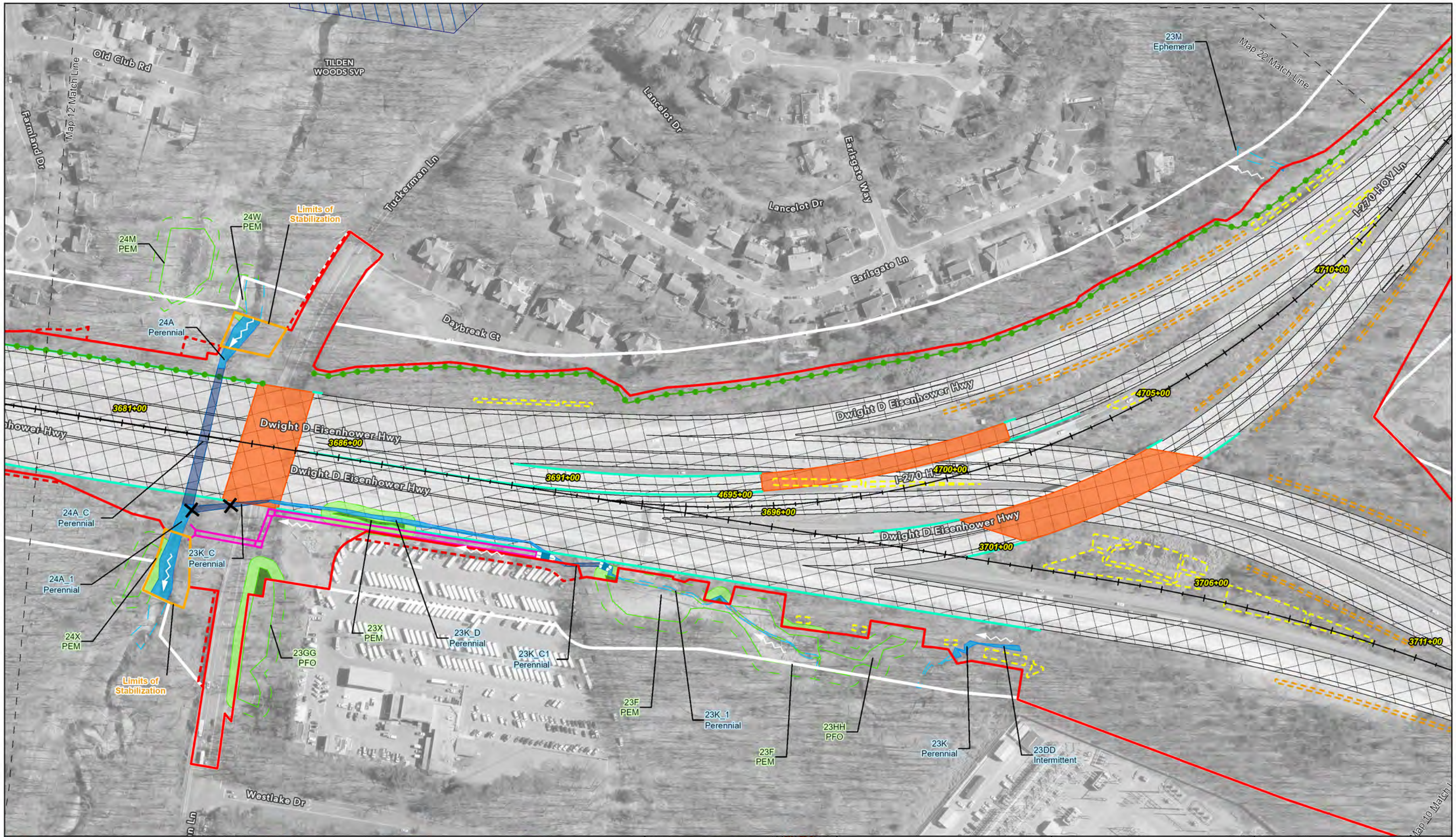




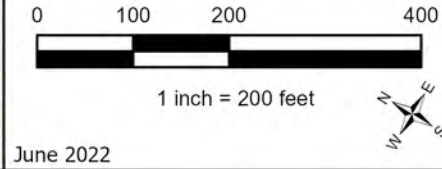
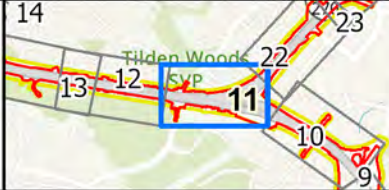
**Maryland
Wetland and Waterway
Impact Plates**

Mainline Impact Plate 9





RPA Limit of Disturbance Temp	Proposed Retaining Wall	Bridge	Waterway Impact Perm	Wetland Buffer Impact Perm
RPA Limit of Disturbance Perm	New/Augmented Pipe/Culvert	Limit Of Improved SWM / Storage	Waterway Impact Temp	Wetland Buffer Impact Temp
Delineation Limits	Relocated Channel	Limit Of Restoration	Culvert Impact Perm	Stream No Impact
Proposed Pavement	Proposed SWM - Pond	Limit Of Stabilization	Culvert Impact Temp	Wetland No Impact
Noise Wall Proposed	Proposed SWM - Swale	Shared Use Path	Wetland Impact Perm	Wetland Buffer No Impact
Noise Wall Existing	Proposed SWM - Vault	Flow Direction	Wetland Impact Temp	FEMA 100-Year Floodplain

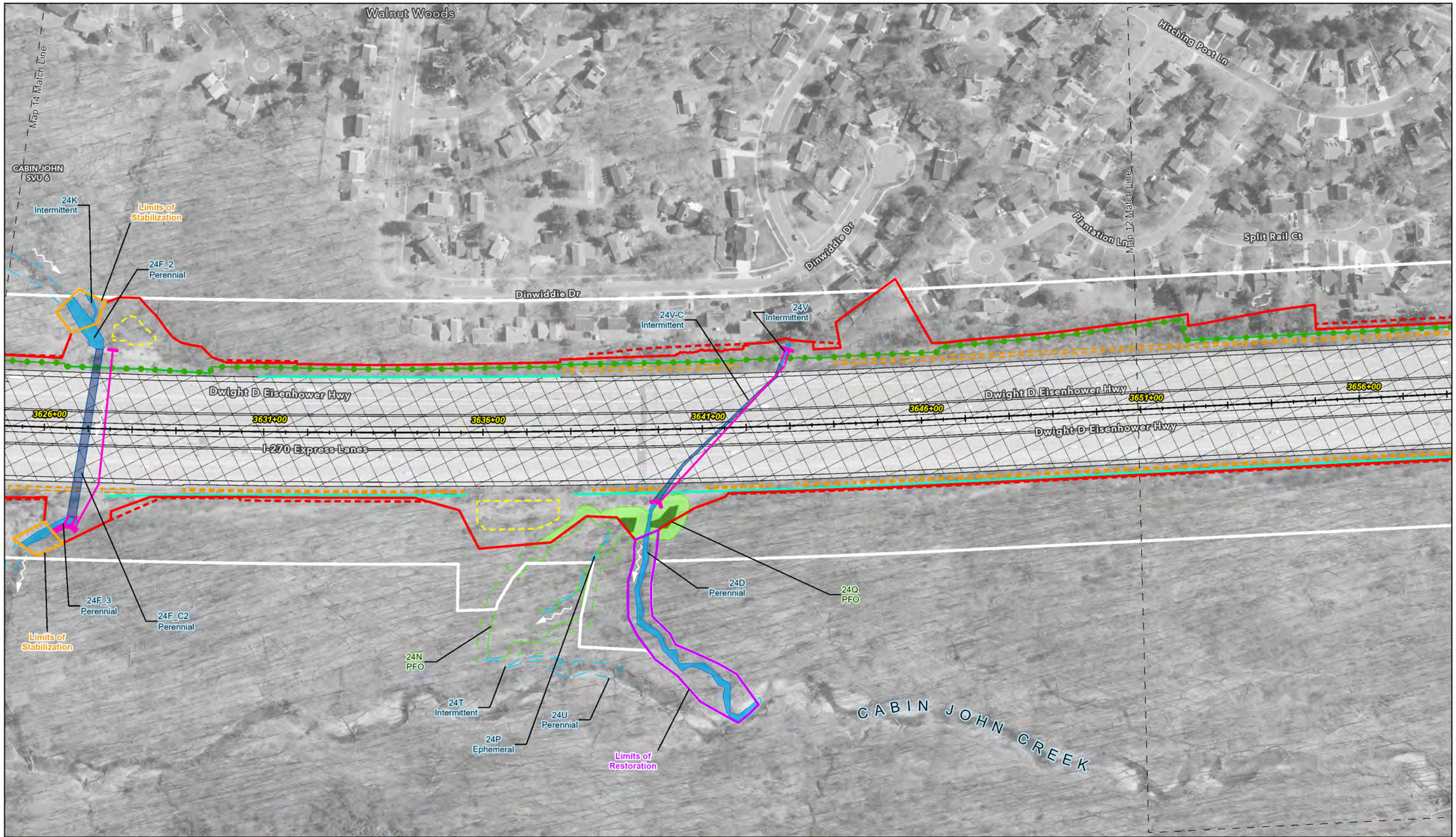


June 2022

**Maryland
Wetland and Waterway
Impact Plates**

Mainline Impact Plate 11





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<ul style="list-style-type: none">RPA Limit of Disturbance TempRPA Limit of Disturbance PermDelineation LimitsProposed PavementNoise Wall ProposedNoise Wall Existing	<ul style="list-style-type: none">Proposed Retaining WallNew/Augmented Pipe/CulvertRelocated ChannelProposed SWM - PondProposed SWM - SwaleProposed SWM - Vault	<ul style="list-style-type: none">BridgeLimit Of Improved SWM / StorageLimit Of RestorationLimit Of StabilizationShared Use PathFlow Direction	<ul style="list-style-type: none">Waterway Impact PermWaterway Impact TempCulvert Impact PermCulvert Impact TempWetland Impact PermWetland Impact Temp	<ul style="list-style-type: none">Wetland Buffer Impact PermWetland Buffer Impact TempStream No ImpactWetland No ImpactWetland Buffer No ImpactFEMA 100-Year Floodplain
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441 ft

15

Montgomery Square

14

Montrose Rd

13

Woodmont Country Club

0 100 200 400

1 inch = 200 feet

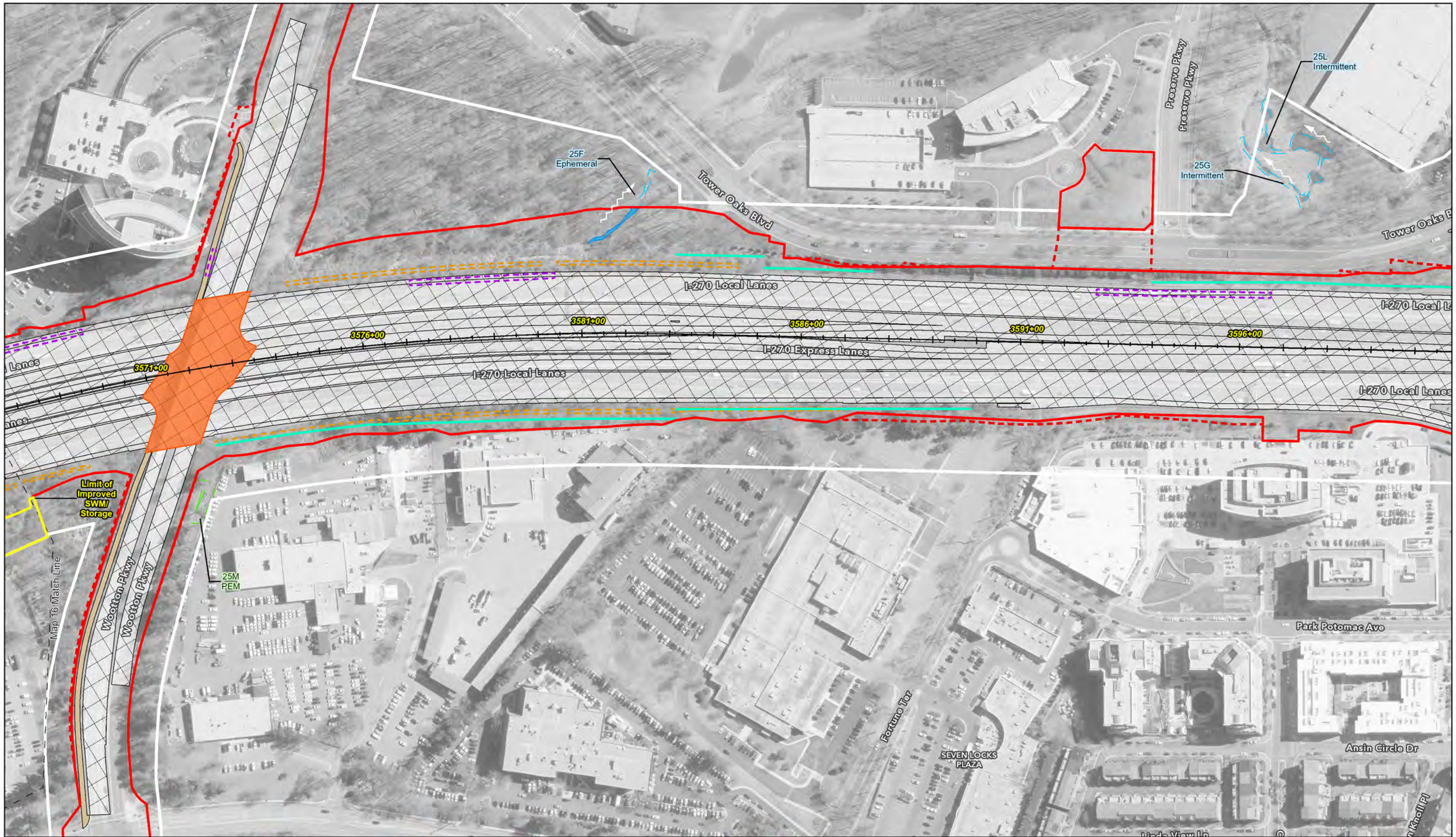
June 2022

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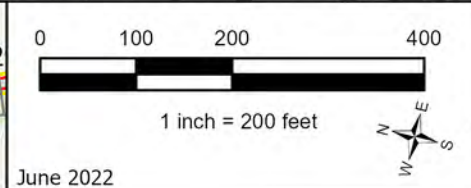
Maryland
Wetland and Waterway
Impact Plates

Mainline Impact Plate 14

MANAGED LANES STUDY



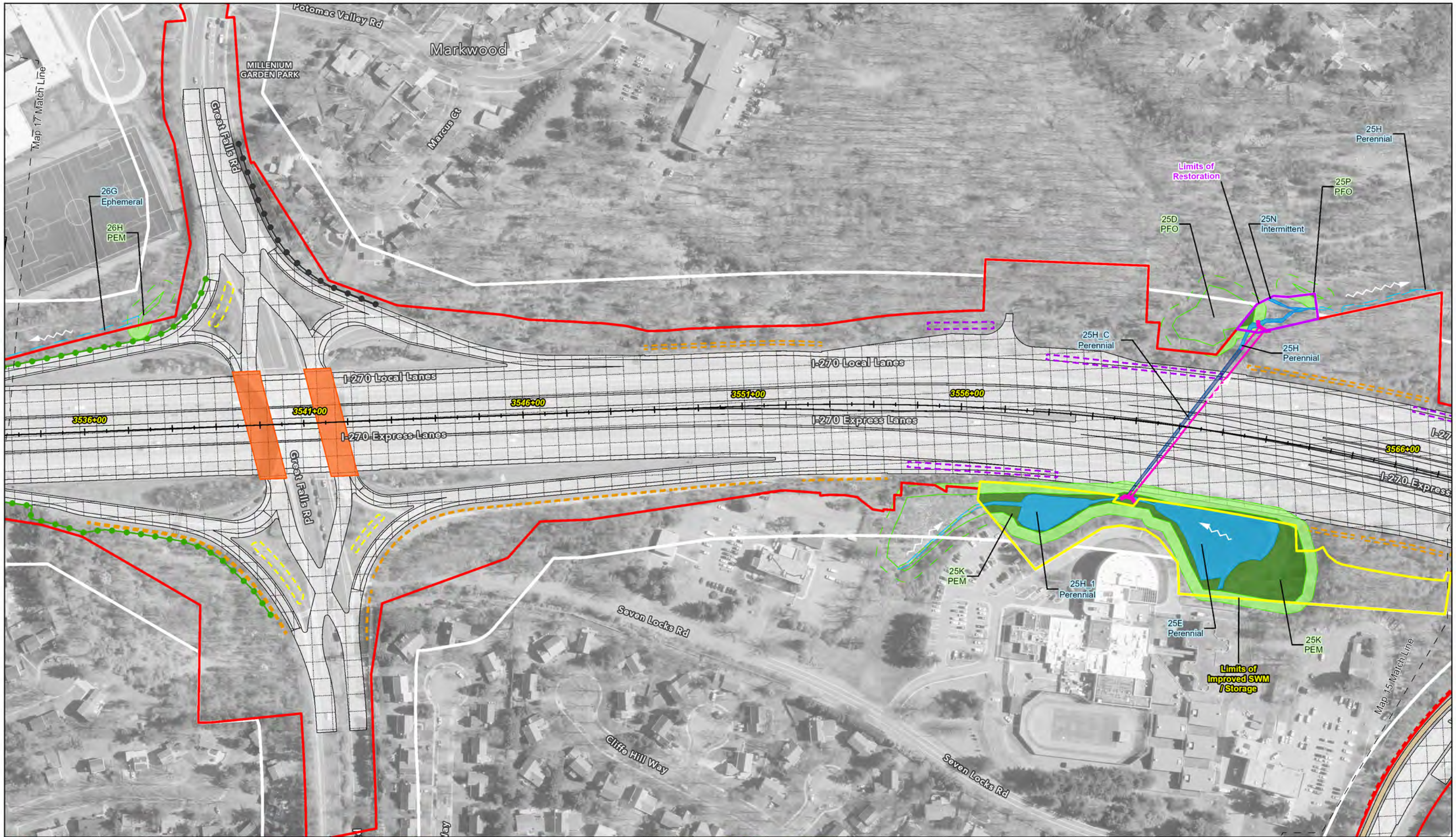
RPA Limit of Disturbance Temp	Proposed Retaining Wall	Bridge	Waterway Impact Perm	Wetland Buffer Impact Perm
RPA Limit of Disturbance Perm	New/Augmented Pipe/Culvert	Limit Of Improved SWM / Storage	Waterway Impact Temp	Wetland Buffer Impact Temp
Delineation Limits	Relocated Channel	Limit Of Restoration	Culvert Impact Perm	Stream No Impact
Proposed Pavement	Proposed SWM - Pond	Limit Of Stabilization	Culvert Impact Temp	Wetland No Impact
Noise Wall Proposed	Proposed SWM - Swale	Shared Use Path	Wetland Impact Perm	Wetland Buffer No Impact
Noise Wall Existing	Proposed SWM - Vault	Flow Direction	Wetland Impact Temp	FEMA 100-Year Floodplain



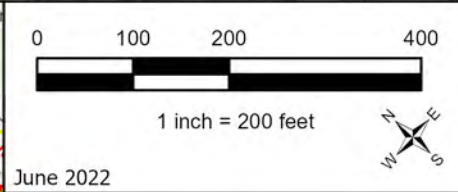
**Maryland
Wetland and Waterway
Impact Plates**

Mainline Impact Plate 15





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| RPA Limit of Disturbance Temp | Proposed Retaining Wall | Bridge |
| RPA Limit of Disturbance Perm | New/Augmented Pipe/Culvert | Limit Of Improved SWM / Storage |
| Delineation Limits | Relocated Channel | Limit Of Restoration |
| Proposed Pavement | Proposed SWM - Pond | Limit Of Stabilization |
| Noise Wall Proposed | Proposed SWM - Swale | Shared Use Path |
| Noise Wall Existing | Proposed SWM - Vault | Flow Direction |
| Waterway Impact Perm | Waterway Impact Temp | Wetland Buffer Impact Perm |
| Culvert Impact Perm | Culvert Impact Temp | Wetland Buffer Impact Temp |
| Wetland Impact Perm | Wetland Impact Temp | Wetland No Impact |
| Wetland Buffer No Impact | FEMA 100-Year Floodplain | |



**Maryland
Wetland and Waterway
Impact Plates**

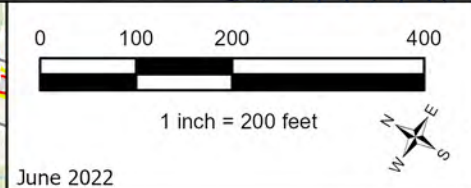
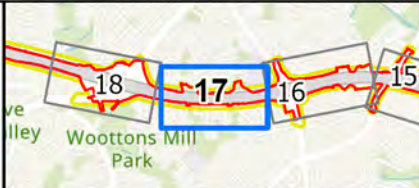
Mainline Impact Plate 16



June 2022

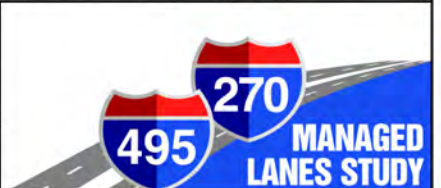


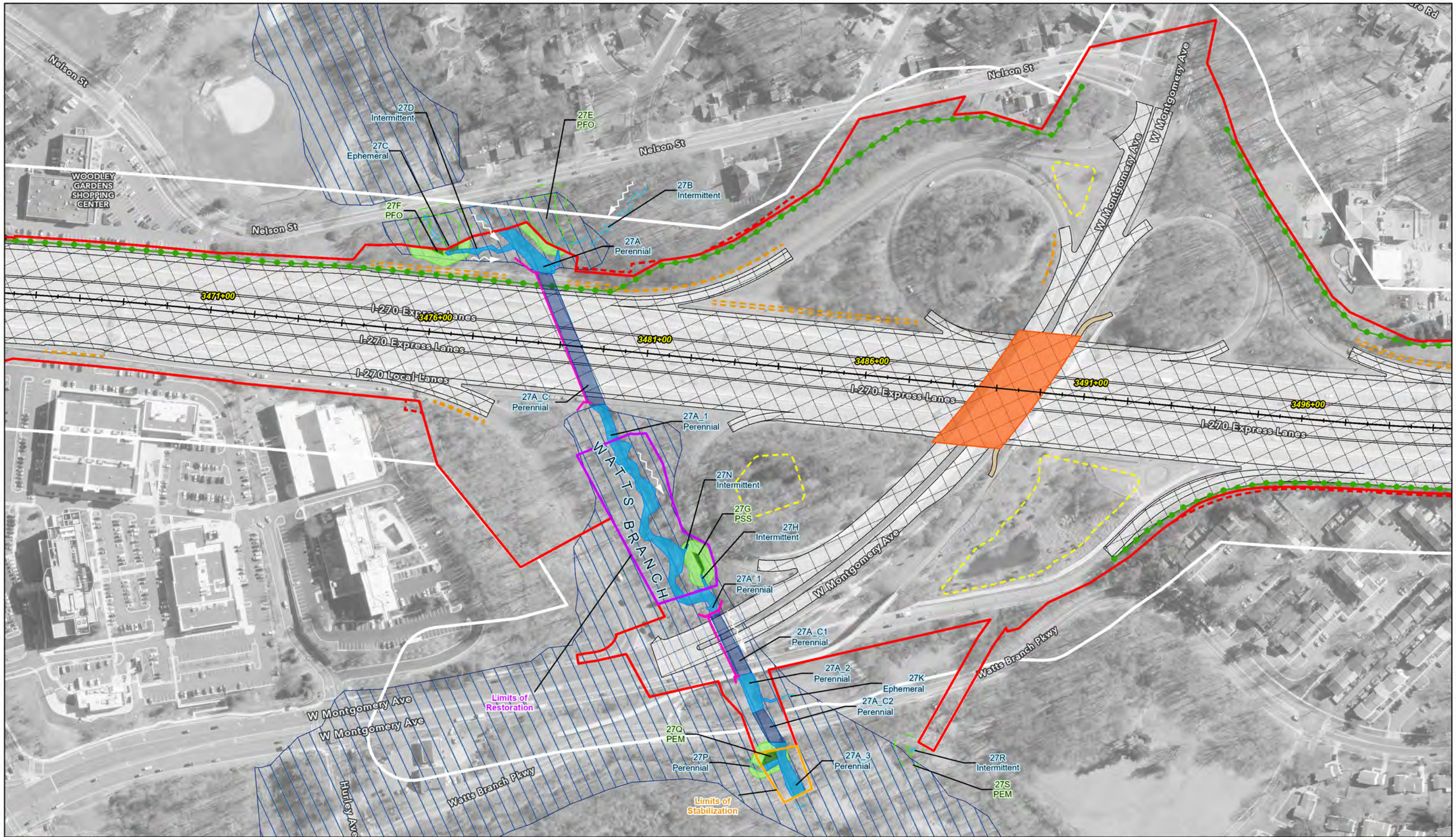
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| RPA Limit of Disturbance Temp | Proposed Retaining Wall | Bridge | Waterway Impact Perm | Wetland Buffer Impact Perm |
| RPA Limit of Disturbance Perm | New/Augmented Pipe/Culvert | Limit Of Improved SWM / Storage | Waterway Impact Temp | Wetland Buffer Impact Temp |
| Delineation Limits | Relocated Channel | Limit Of Restoration | Culvert Impact Perm | Stream No Impact |
| Proposed Pavement | Proposed SWM - Pond | Limit Of Stabilization | Culvert Impact Temp | Wetland No Impact |
| Noise Wall Proposed | Proposed SWM - Swale | Shared Use Path | Wetland Impact Perm | Wetland Buffer No Impact |
| Noise Wall Existing | Proposed SWM - Vault | Flow Direction | Wetland Impact Temp | FEMA 100-Year Floodplain |



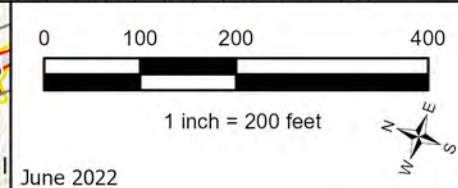
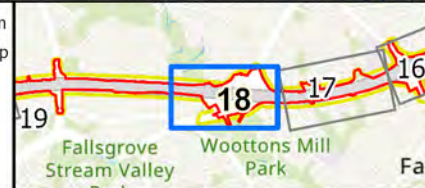
**Maryland
Wetland and Waterway
Impact Plates**

Mainline Impact Plate 17



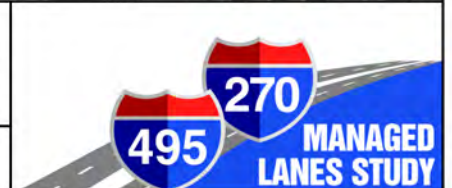


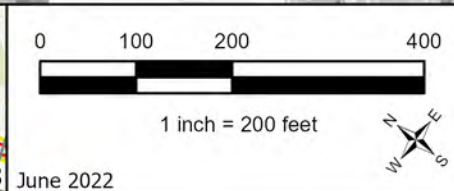
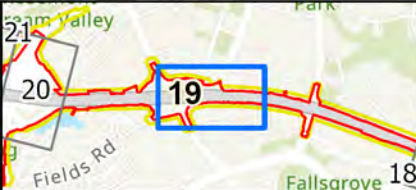
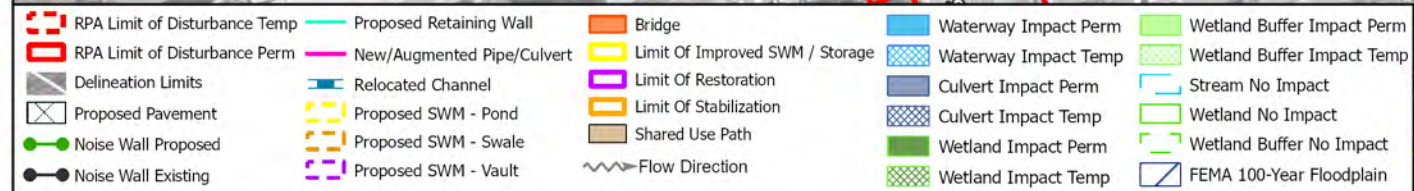
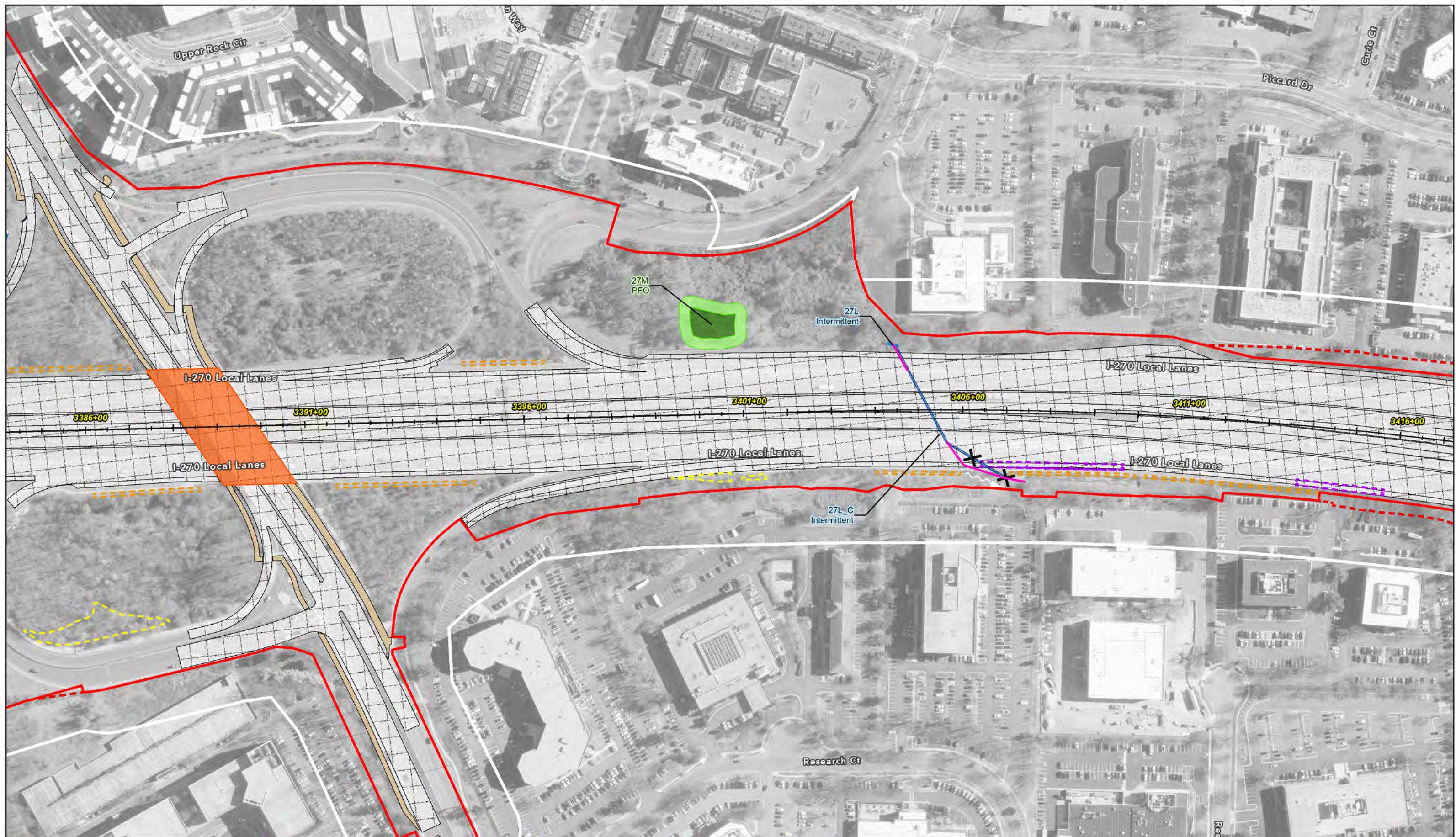
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| RPA Limit of Disturbance Temp | Proposed Retaining Wall | Bridge | Waterway Impact Perm | Wetland Buffer Impact Perm |
| RPA Limit of Disturbance Perm | New/Augmented Pipe/Culvert | Limit Of Improved SWM / Storage | Waterway Impact Temp | Wetland Buffer Impact Temp |
| Delineation Limits | Relocated Channel | Limit Of Restoration | Culvert Impact Perm | Stream No Impact |
| Proposed Pavement | Proposed SWM - Pond | Limit Of Stabilization | Culvert Impact Temp | Wetland No Impact |
| Noise Wall Proposed | Proposed SWM - Swale | Shared Use Path | Wetland Impact Perm | Wetland Buffer No Impact |
| Noise Wall Existing | Proposed SWM - Vault | Flow Direction | Wetland Impact Temp | FEMA 100-Year Floodplain |



Maryland
Wetland and Waterway
Impact Plates

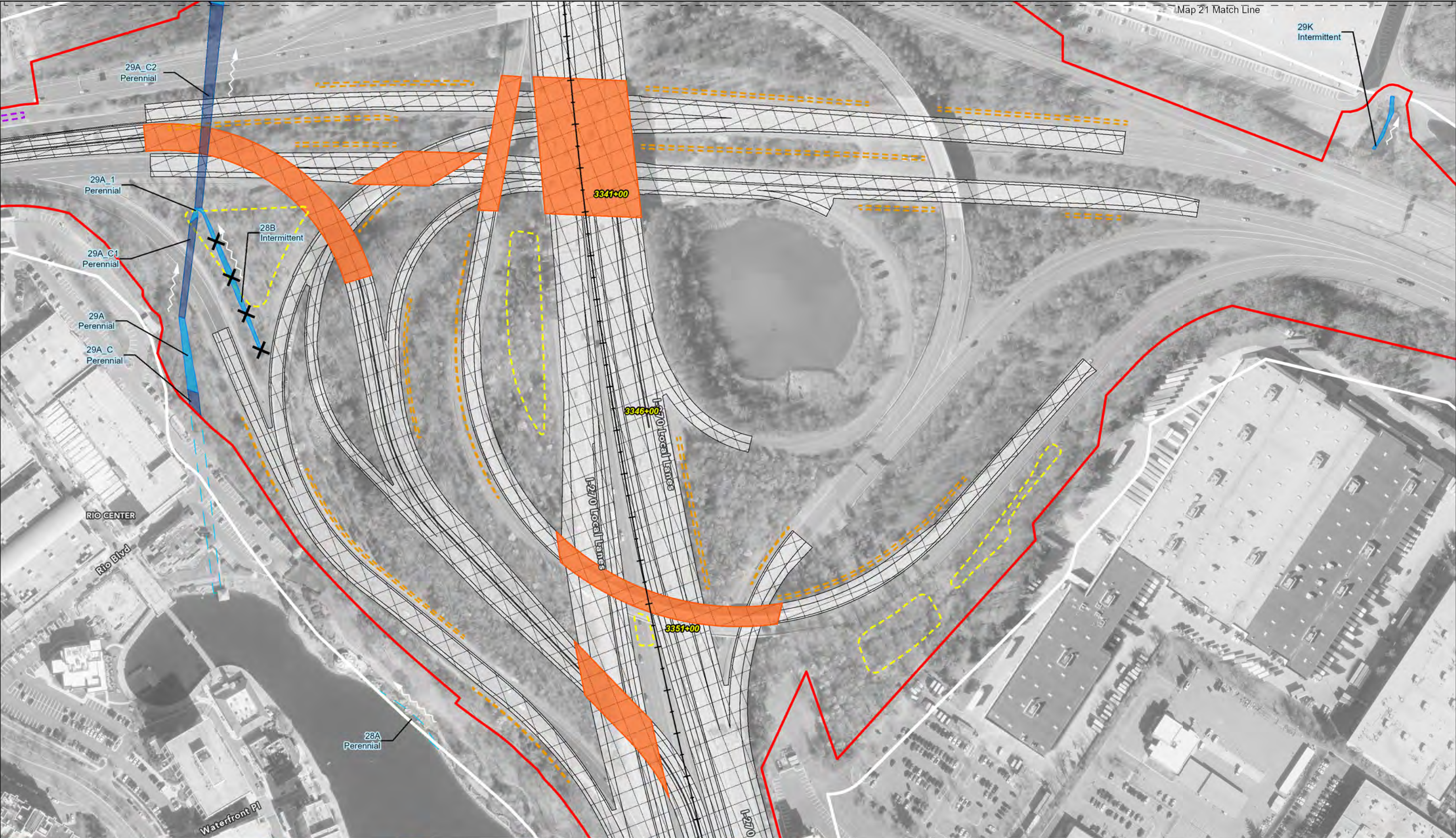
Mainline Impact Plate 18

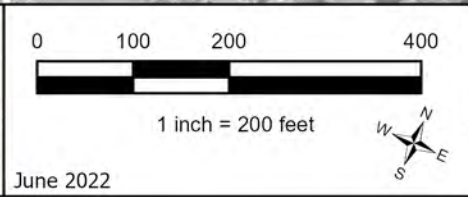
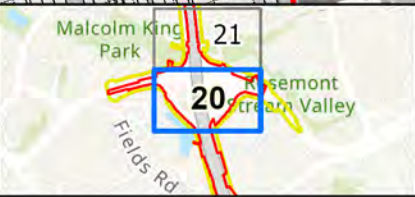




<p>Maryland Wetland and Waterway Impact Plates</p>
<p><i>Mainline Impact Plate 19</i></p>

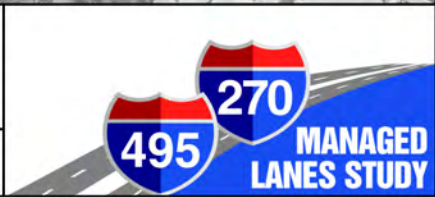






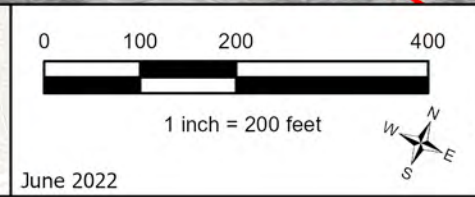
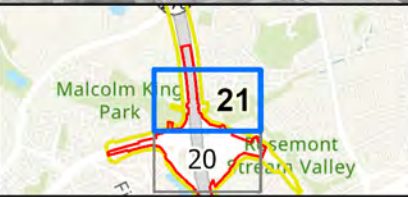
**Maryland
Wetland and Waterway
Impact Plates**

Mainline Impact Plate 20



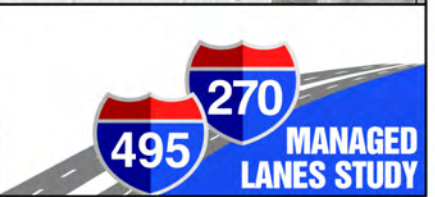


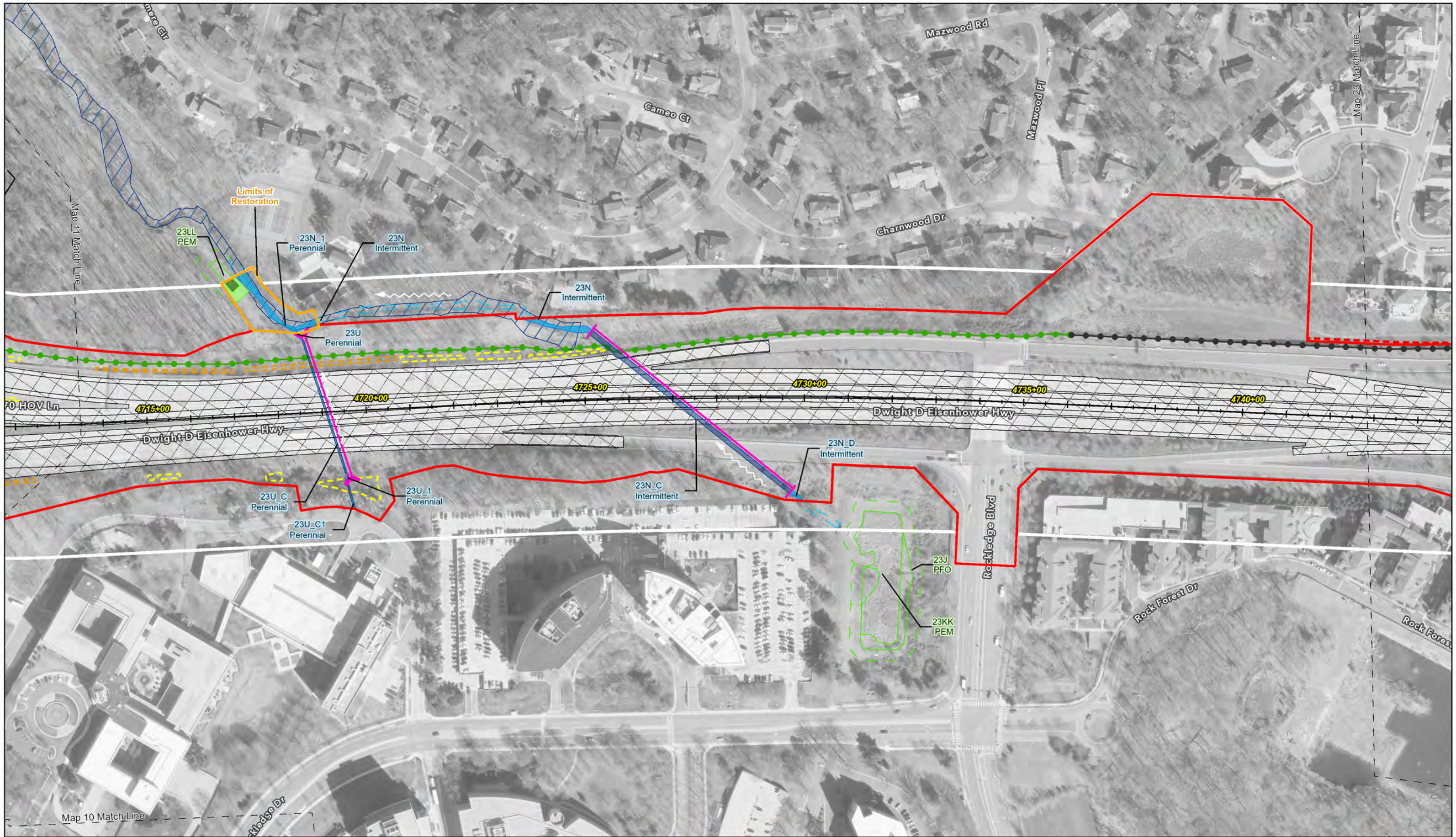
RPA Limit of Disturbance Temp	Proposed Retaining Wall	Bridge
RPA Limit of Disturbance Perm	New/Augmented Pipe/Culvert	Limit Of Improved SWM / Storage
Delineation Limits	Relocated Channel	Limit Of Restoration
Proposed Pavement	Proposed SWM - Pond	Limit Of Stabilization
Noise Wall Proposed	Proposed SWM - Swale	Shared Use Path
Noise Wall Existing	Proposed SWM - Vault	Flow Direction
Waterway Impact Perm	Waterway Impact Temp	Wetland Buffer Impact Perm
Culvert Impact Perm	Culvert Impact Temp	Wetland Buffer Impact Temp
Wetland Impact Perm	Wetland Impact Temp	Stream No Impact
Wetland No Impact	Wetland Buffer No Impact	FEMA 100-Year Floodplain



Maryland
Wetland and Waterway
Impact Plates

Mainline Impact Plate 21





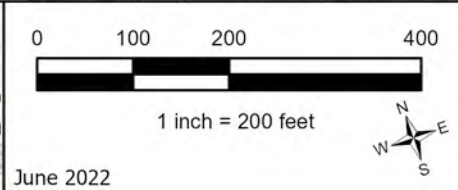
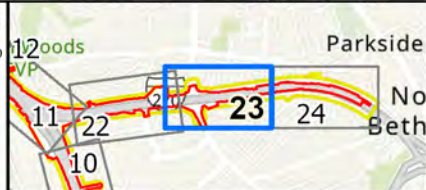
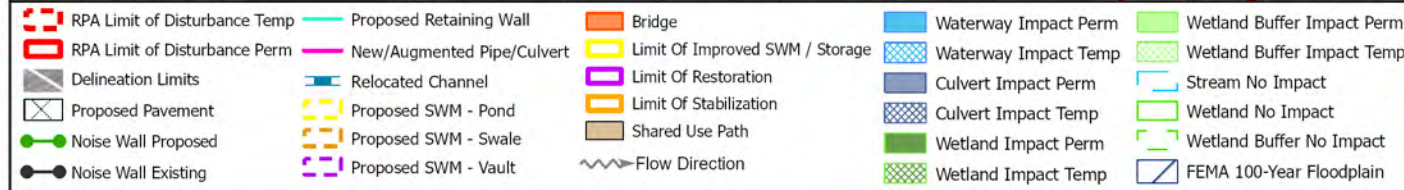
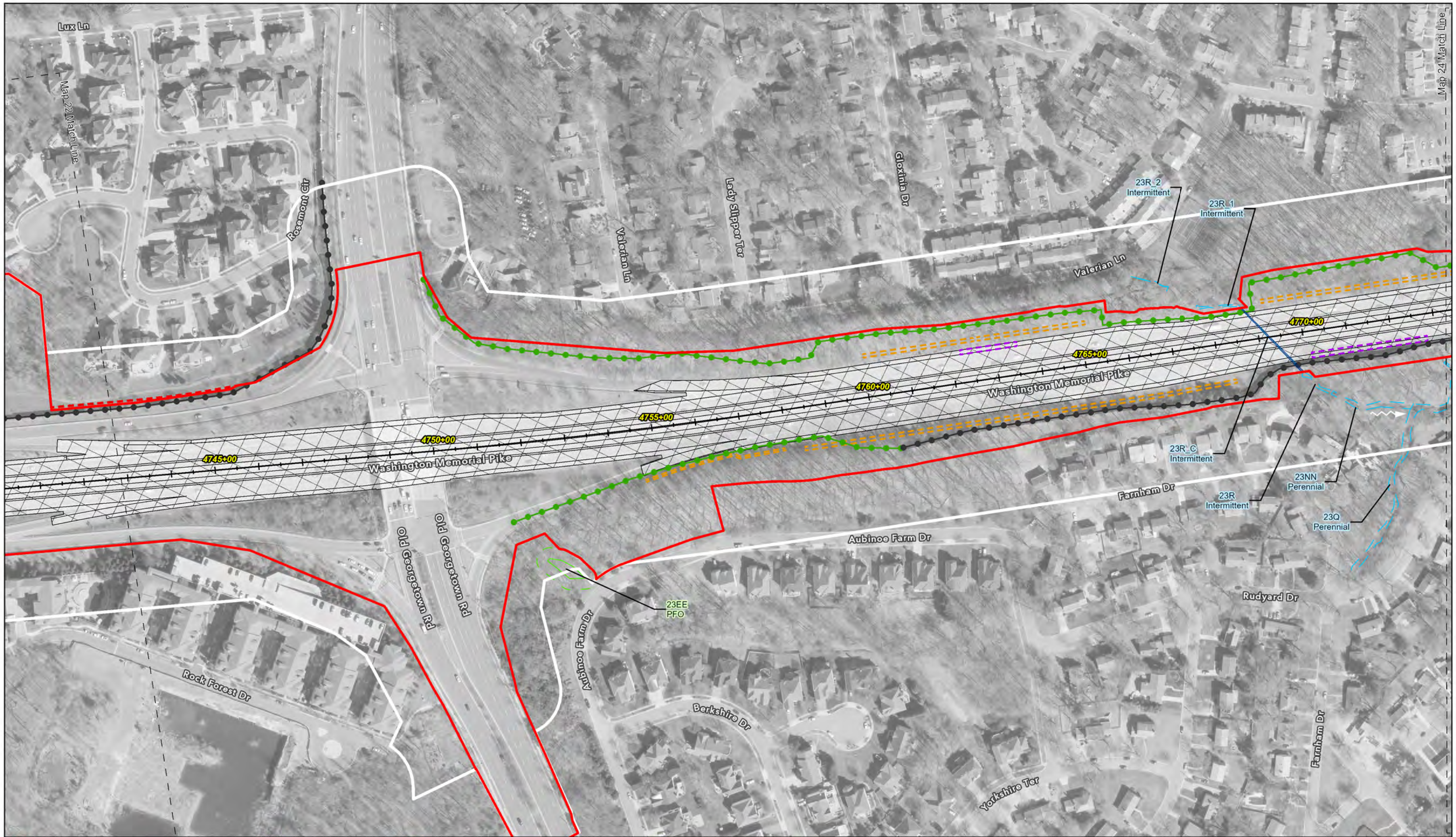
RPA Limit of Disturbance Temp	Proposed Retaining Wall	Bridge	Waterway Impact Perm	Wetland Buffer Impact Perm
RPA Limit of Disturbance Perm	New/Augmented Pipe/Culvert	Limit Of Improved SWM / Storage	Waterway Impact Temp	Wetland Buffer Impact Temp
Delineation Limits	Relocated Channel	Limit Of Restoration	Culvert Impact Perm	Stream No Impact
Proposed Pavement	Proposed SWM - Pond	Limit Of Stabilization	Culvert Impact Temp	Wetland No Impact
Noise Wall Proposed	Proposed SWM - Swale	Shared Use Path	Wetland Impact Perm	Wetland Buffer No Impact
Noise Wall Existing	Proposed SWM - Vault	Flow Direction	Wetland Impact Temp	FEMA 100-Year Floodplain

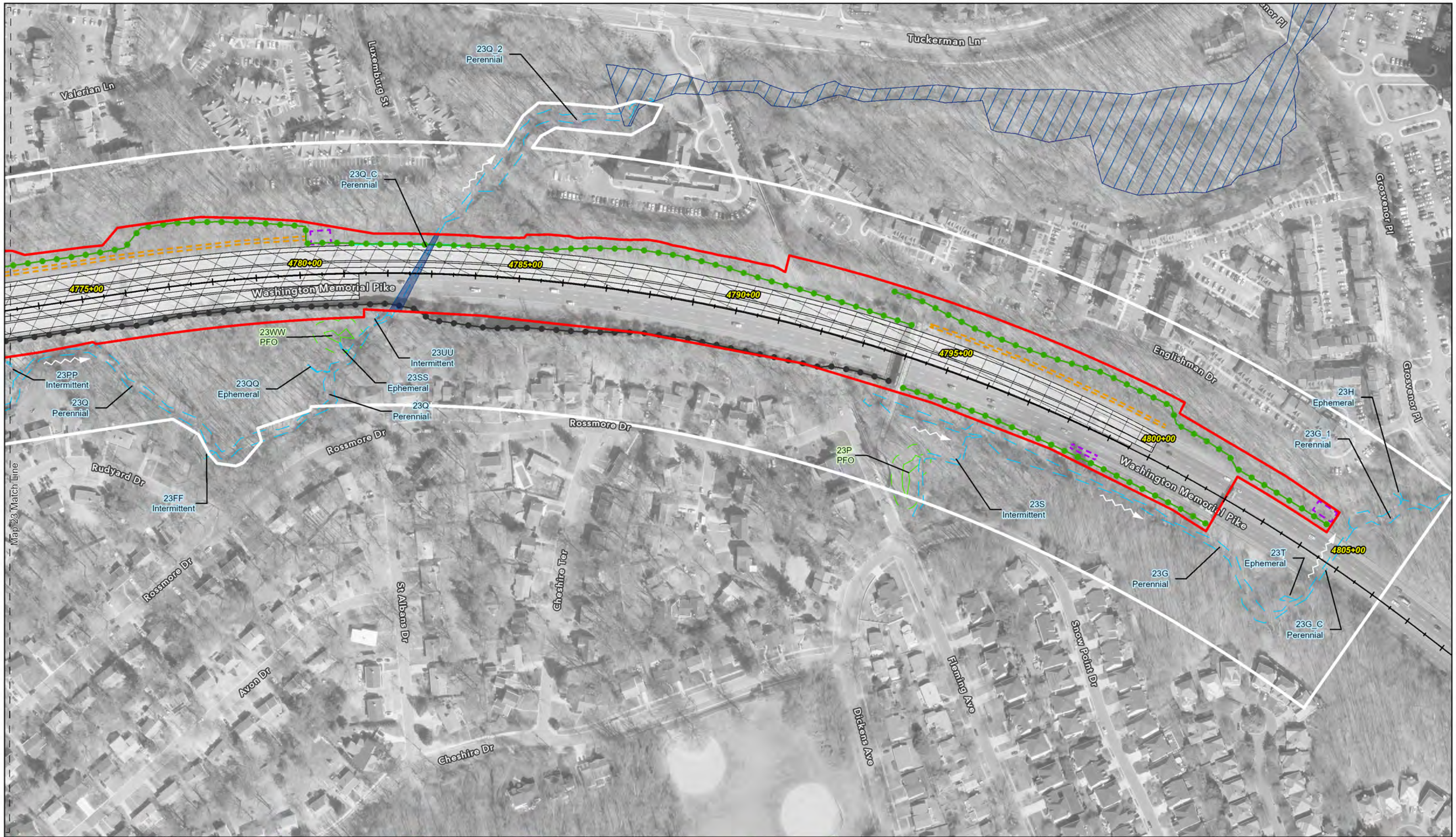
0 100 200 400
1 inch = 200 feet
June 2022

Maryland Wetland and Waterway Impact Plates

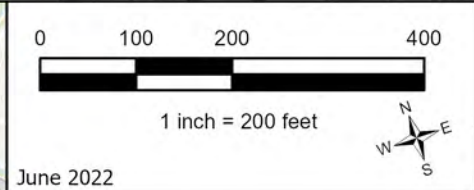
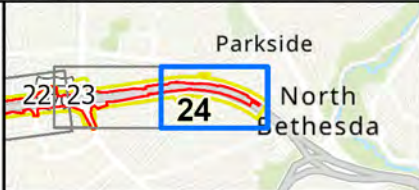
Mainline Impact Plate 22

MANAGED LANES STUDY



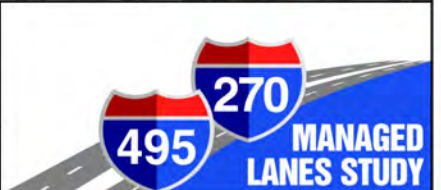


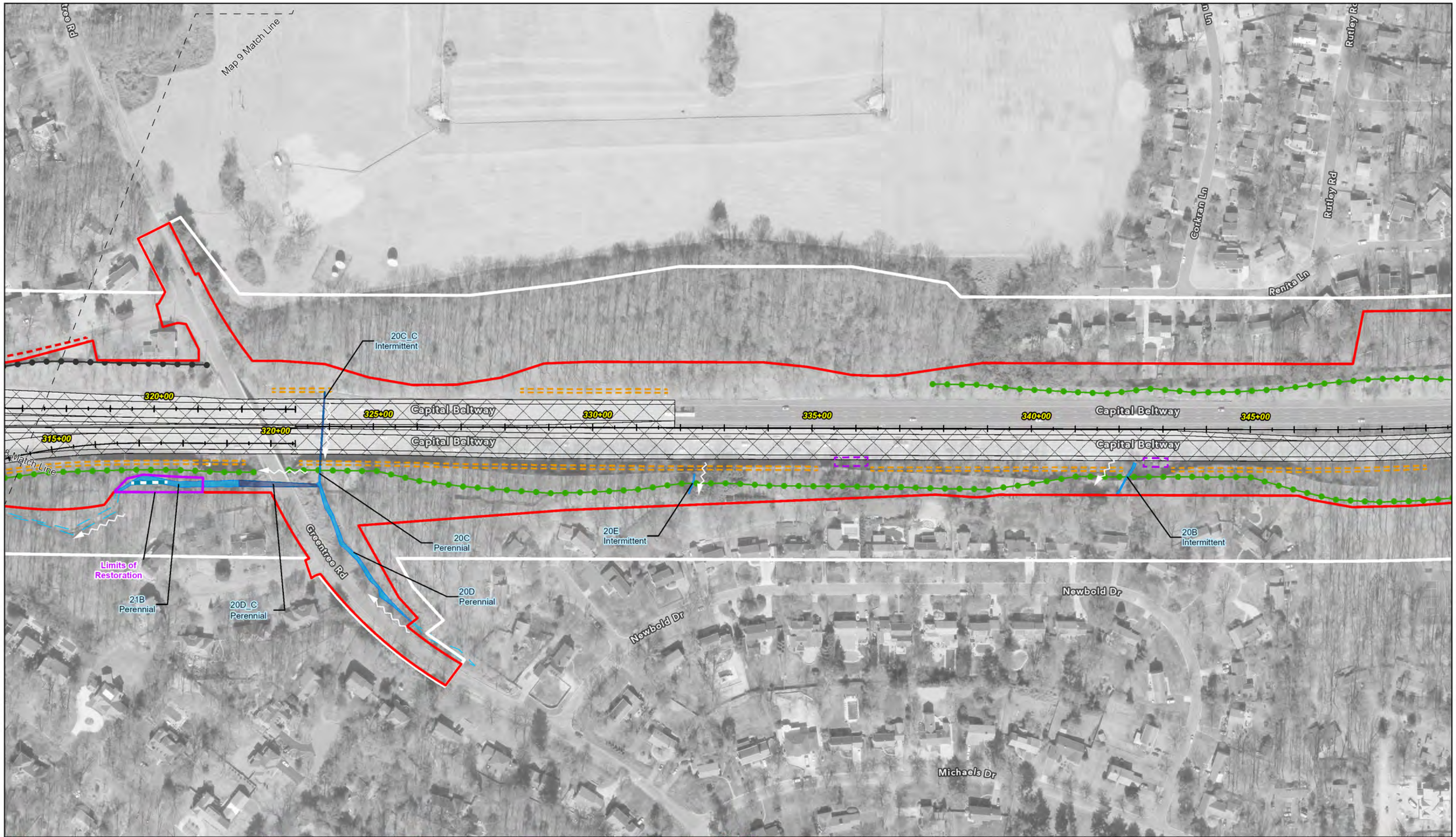
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|-------------------------------|----------------------------|---------------------------------|----------------------|----------------------------|
| RPA Limit of Disturbance Temp | Proposed Retaining Wall | Bridge | Waterway Impact Perm | Wetland Buffer Impact Perm |
| RPA Limit of Disturbance Perm | New/Augmented Pipe/Culvert | Limit Of Improved SWM / Storage | Waterway Impact Temp | Wetland Buffer Impact Temp |
| Delineation Limits | Relocated Channel | Limit Of Restoration | Culvert Impact Perm | Stream No Impact |
| Proposed Pavement | Proposed SWM - Pond | Limit Of Stabilization | Culvert Impact Temp | Wetland No Impact |
| Noise Wall Proposed | Proposed SWM - Swale | Shared Use Path | Wetland Impact Perm | Wetland Buffer No Impact |
| Noise Wall Existing | Proposed SWM - Vault | Flow Direction | Wetland Impact Temp | FEMA 100-Year Floodplain |



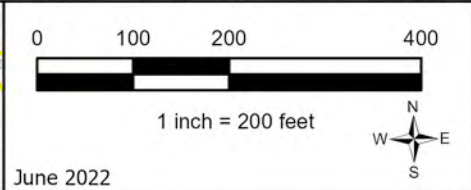
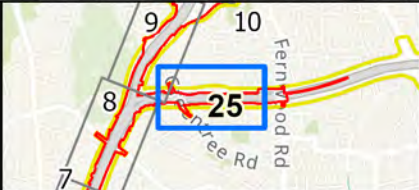
**Maryland
Wetland and Waterway
Impact Plates**

Mainline Impact Plate 24



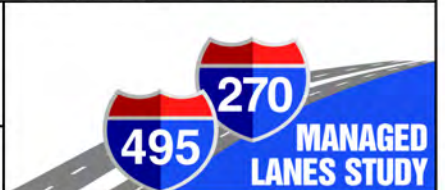


RPA Limit of Disturbance Temp	Proposed Retaining Wall	Bridge
RPA Limit of Disturbance Perm	New/Augmented Pipe/Culvert	Limit Of Improved SWM / Storage
Delineation Limits	Relocated Channel	Limit Of Restoration
Proposed Pavement	Proposed SWM - Pond	Limit Of Stabilization
Noise Wall Proposed	Proposed SWM - Swale	Shared Use Path
Noise Wall Existing	Proposed SWM - Vault	Flow Direction
	Waterway Impact Perm	Waterway Impact Temp
	Culvert Impact Perm	Culvert Impact Temp
	Wetland Impact Perm	Wetland Impact Temp
	Wetland Buffer Impact Perm	Wetland Buffer Impact Temp
	Stream No Impact	Wetland No Impact
	Wetland Buffer No Impact	FEMA 100-Year Floodplain



**Maryland
Wetland and Waterway
Impact Plates**

Mainline Impact Plate 25



June 2022

