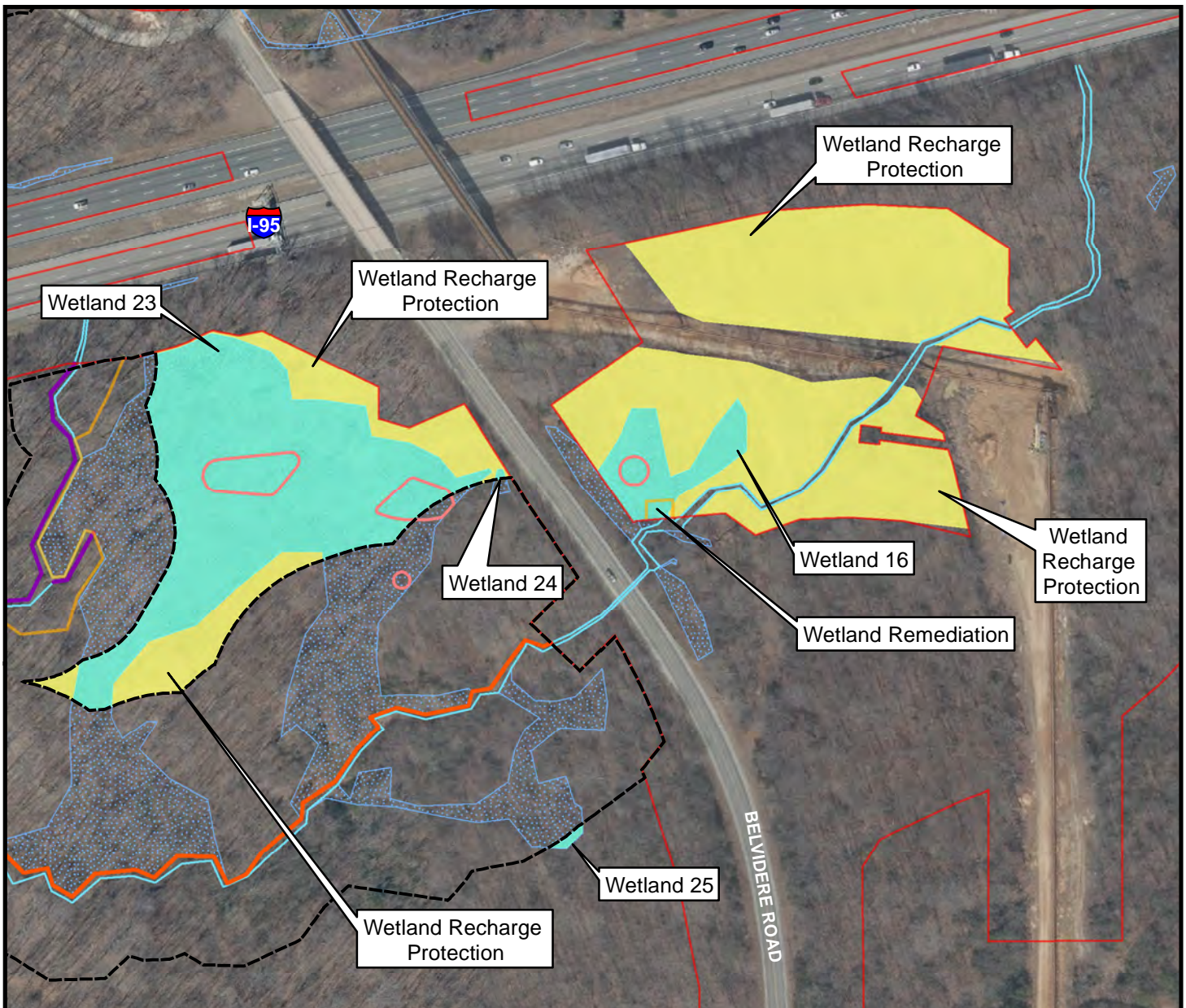


Appendix D: Conceptual Site Design Plans



Proposed Wetland Mitigation Details		
PFO Wetland Preservation	Proposed Credit Ratio	Proposed Mitigation Credit
Wetland 16: 12,249 sq.ft.	10:1	1,225 sq.ft.
Wetland 23: 82,469 sq.ft.	10:1	8,247 sq.ft.
Wetland 24: 131 sq.ft.	10:1	13 sq.ft.
Wetland 25: 425 sq.ft.	10:1	43 sq.ft.
PFO Wetland Remediation	Proposed Credit Ratio	Proposed Mitigation Credit
Wetland 16: 652 sq.ft.	1:1	652 sq.ft.
Wetland Recharge Protection	Proposed Credit Ratio	Proposed Mitigation Credit
Total: 154,861 sq.ft.	10:1	15,486 sq.ft.
Total: 250,787 sq.ft. / 5.76 Acres		Total: 25,665 sq.ft. / .59 Acres

LEGEND

- LOD
- R-LOD
- Proposed Stream Preservation
- Proposed Stream Restoration
- Proposed Stream Realignment
- Proposed Stream Buffer
- Proposed Wetland Preservation
- RTE Wetland Recharge Protection Area
- Delineated Streams
- Delineated Wetlands
- Swamp Pink

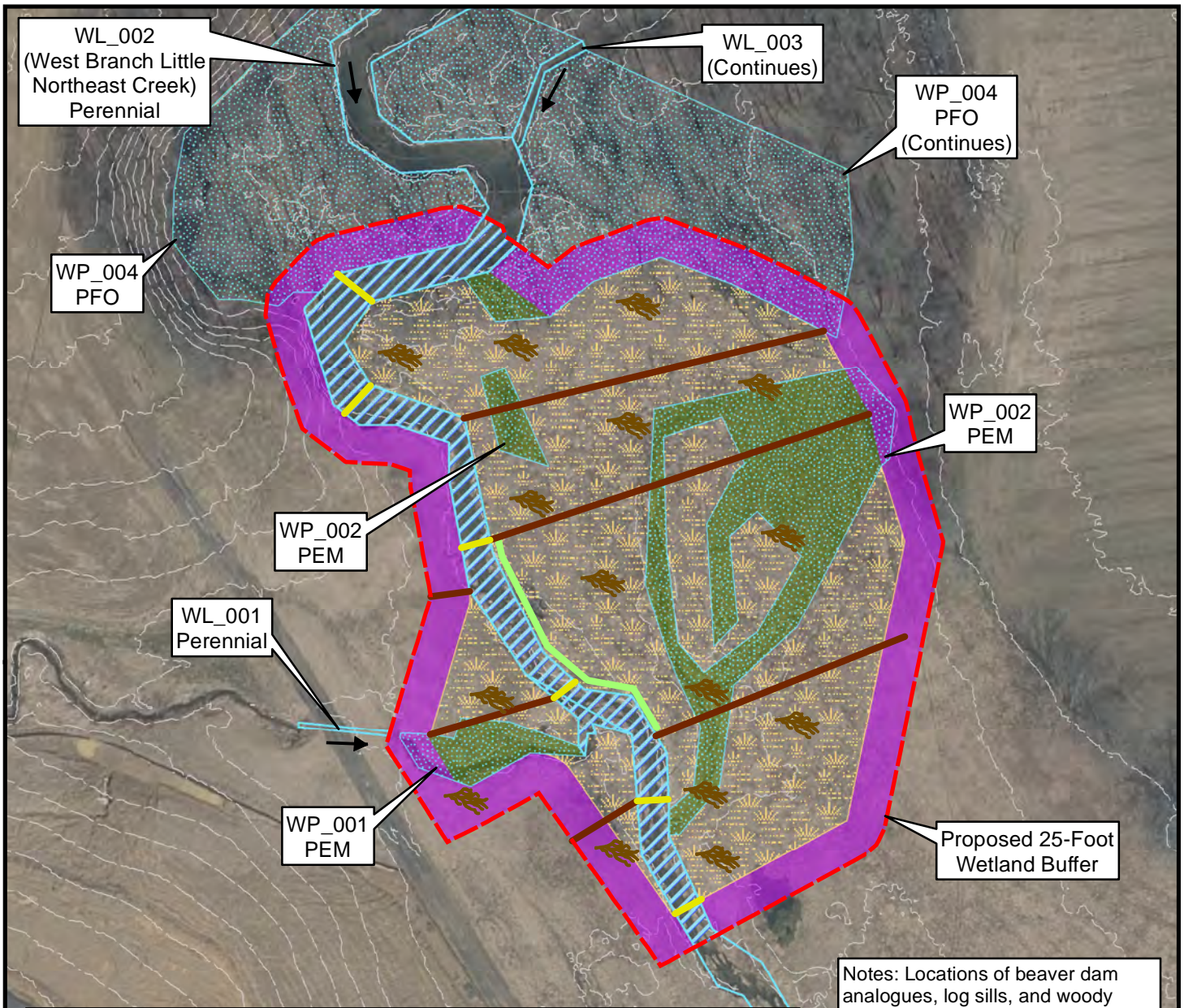
0 100 200 400 FEET

APPENDIX D: FIGURE 1
 CONCEPTUAL WETLAND MITIGATION
 SITE PLAN: INTERCHANGE

I-95 AT BELVIDERE ROAD
 INTERCHANGE

JANUARY 2021

DATE OF AERIAL: 2017



Proposed Wetland Mitigation Details

Wetland Creation/Restoration	Proposed Credit Ratio	Proposed Mitigation Credit
PFO: 69,596 sq.ft.	1.25:1	55,677 sq.ft.
Wetland Enhancement	Proposed Credit Ratio	Proposed Mitigation Credit
Wetlands WP_001, WP_002, WP_004: 20,678 sq.ft.	1.75:1	11,816 sq.ft.
Wetland Buffer Enhancement	Proposed Credit Ratio	Proposed Mitigation Credit
36,043 sq. ft.	20:1	1,802 sq.ft.
Total: 126,317 sq.ft. / 2.90 Acres		Total: 69,295 sq.ft. / 1.59 Acres

Proposed TMDL

13,261 sq.ft / 0.30 acre

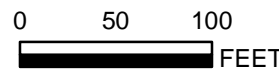
Notes: Locations of beaver dam analogues, log sills, and woody debris are shown to illustrate concept, not quantity or location.

The berm is proposed to prevent flow from cutting back to the stream early and to prevent tributary flows from crossing the main stream.

Floodplain log sills, large woody debris, and microtopography are proposed throughout to keep flows diffuse, increase roughness, and minimize scour.

LEGEND

- Proposed Wetland Mitigation Site Boundary
- Delineated Wetlands
- Delineated Stream
- Wetland Creation/Rest.
- Buffer Enhancement
- Wetland Enhancement
- TMDL Credit Area
- Beaver Dam Analogues
- Large Woody Debris
- Floodplain Log Sills
- Berm
- GIS Contours (2')
- Parcel Boundaries

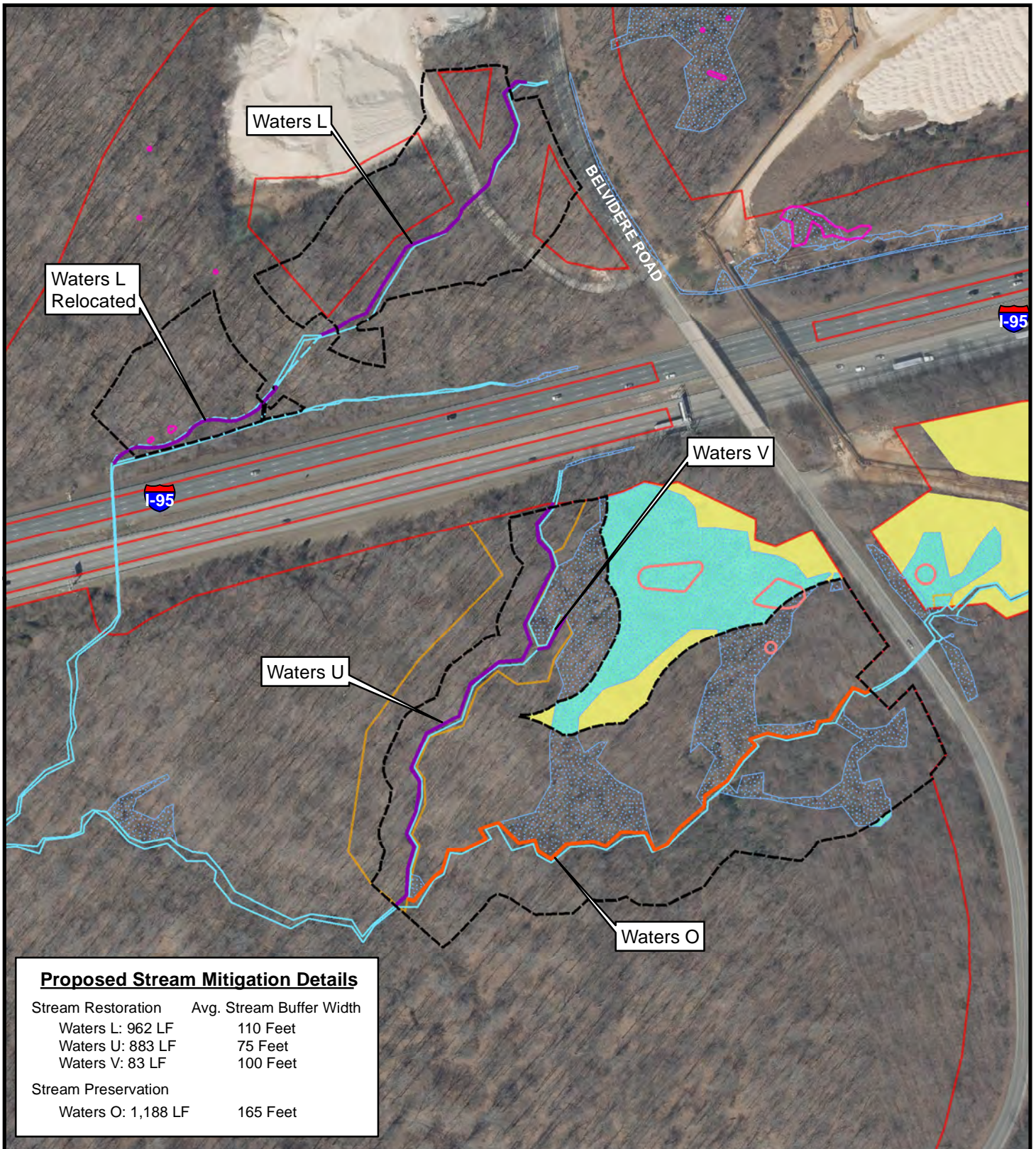


APPENDIX D: FIGURE 2
CONCEPTUAL WETLAND MITIGATION
SITE PLAN:
LITTLE NORTHEAST CREEK

I-95 AT BELVIDERE ROAD
INTERCHANGE

SEPTEMBER 2021

DATE OF AERIAL: 2017



LEGEND

- LOD
- R-LOD
- Proposed Stream Preservation
- Proposed Stream Restoration
- Proposed Stream Realignment
- Proposed Stream Buffer
- Proposed Wetland Preservation
- RTE Wetland Recharge Protection Area
- Delineated Streams
- Delineated Wetlands
- Swamp Pink
- Long-stalk Greenbrier

0 125 250 500 FEET

APPENDIX D: FIGURE 3
CONCEPTUAL STREAM MITIGATION
SITE PLAN

I-95 AT BELVIDERE ROAD
INTERCHANGE

JANUARY 2021

DATE OF AERIAL: 2017