



Maryland

Department of the Environment

Wes Moore, Governor
Aruna Miller, Lt. Governor

Serena McIlwain, Secretary
Suzanne E. Dorsey, Deputy Secretary
Adam Ortiz, Deputy Secretary

June 17, 2025

Nora Bucke, Division Chief
Maryland Department of Transportation
State Highway Administration
707 N. Calvert Street
Baltimore, MD 21202
Attn: Michael Gellman

Re: Agency Interest Number: 180514
Tracking Number: 202461407
Water Quality Certification Number: 22-WQC-0043

Dear Ms. Bucke:

After examination and consideration of the documents received and evidence in the file and record for the realignment and dualization of US 219 from Garrett County, Maryland to Meyersdale, Pennsylvania project, the Water and Science Administration has determined that the project meets the statutory and regulatory criteria necessary for issuance of an individual Water Quality Certification (WQC).

The individual WQC for this project issued by the Maryland Department of the Environment (Department) is attached. Please read and review the WQC for this project to ensure that you understand the limits of the certified project and all the general and special conditions. The attached WQC is a final agency decision. Any person aggrieved by the Department's decision to issue this WQC may appeal such a decision in accordance with Code of Maryland Regulations 26.08.02.10F(4). A request for appeal shall be filed with the Department within 30 days of publication of the final decision and specify in writing the reason why the final decision should be reconsidered. A request for appeal shall be submitted to: Secretary of the Environment, Maryland Department of the Environment, 1800 Washington Boulevard, Baltimore, MD 21230. Any request for an appeal does not stay the effectiveness of this WQC.

You should not begin any work until you have obtained all necessary State, local, and federal authorizations. Please do not hesitate to contact Emily Dolbin at Emily.Dolbin@maryland.gov with any questions.

Sincerely,

Amanda Sigillito Chief,
Nontidal Wetlands Division

cc: Allen Edris, USACE
Nicole Nasteff, USACE
Joseph Snyder, PA DEP
Katelyn Slagel, PA DEP



STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
WATER AND SCIENCE ADMINISTRATION
WATER QUALITY CERTIFICATION



24-WQC-0043

EFFECTIVE DATE: **June 17, 2025**

CERTIFICATION HOLDER: **Maryland Department of Transportation
State Highway Administration
707 N. Calvert Street
Baltimore, MD 21202
Attn: Ms. Nora Bucke**

PROJECT LOCATION: **US 6219, Section 050
US 219 Relocated, from Old Salisbury Road in
Grantsville, Garrett County to the Pennsylvania Line**

UNDER AUTHORITY OF SECTION 401 OF THE FEDERAL WATER POLLUTION CONTROL ACT AND ITS AMENDMENTS AND IN ACCORDANCE WITH §9-313 THROUGH §9-323, INCLUSIVE, OF THE ENVIRONMENT ARTICLE, ANNOTATED CODE OF MARYLAND, THE WATER AND SCIENCE ADMINISTRATION ("ADMINISTRATION") HAS DETERMINED THAT THE REGULATED ACTIVITY DESCRIBED IN THE REQUEST FOR CERTIFICATION OF THE US 219 PROJECT FROM OLD SALISBURY ROAD TO THE PENNSYLVANIA STATE LINE WILL NOT VIOLATE MARYLAND'S WATER QUALITY STANDARDS IF CONDUCTED IN ACCORDANCE WITH THE CONDITIONS OF THIS CERTIFICATION AND WITH ALL TERMS AND CONDITIONS OF THIS CERTIFICATION.

THIS CERTIFICATION DOES NOT RELIEVE THE APPLICANT OF RESPONSIBILITY FOR OBTAINING ANY OTHER APPROVALS, LICENSES, OR PERMITS IN ACCORDANCE WITH FEDERAL, STATE, OR LOCAL REQUIREMENTS AND DOES NOT AUTHORIZE COMMENCEMENT OF THE PROPOSED PROJECT. A COPY OF THIS REQUIRED CERTIFICATION HAS BEEN SENT TO THE CORPS OF ENGINEERS. THE CERTIFICATION HOLDER SHALL COMPLY WITH THE CONDITIONS LISTED BELOW.

PROJECT DESCRIPTION

Regulated activities are associated with the realignment and dualization of US 219 from Garrett County, Maryland to Meyersdale, Pennsylvania. This Certification is only for the Maryland portion of the Project, located approximately from US 219 Old Salisbury Road in Grantsville, Garrett County, to the Pennsylvania state line. The work includes grading and filling to construct a four-lane divided limited-access highway with a grass median, bridging or culverting streams within the project corridor, installing stormwater management facilities, relocating existing utilities, using temporary erosion and sediment controls, and constructing off-site mitigation. The approval authorizes impacts to forested and emergent nontidal wetlands, 25-foot nontidal wetland buffer, and intermittent and perennial tributaries to Meadow Run and the

North Branch Casselman River. The activities described in this section shall be referred to as the Project. A Certification Pre-Filing Meeting was requested on March 19, 2024, a Pre-Filing Meeting was held on April 12, 2024, and the Certification Request was received on September 10, 2024. The Administration satisfied statutory and regulatory public notice requirements by placing this Certification on Public Notice from November 1, 2024 through January 11, 2025, on the Maryland Department of the Environment's Public Notice webpage, in the Maryland Register on November 1, 2024, and in the Garrett County Republican on November 7, 2024. A public informational hearing was held on December 12, 2024, providing the public with the opportunity to provide comments in person.

The Certification Holder shall comply with the following conditions:

SPECIAL CONDITIONS

1. **Instream Construction Prohibition:** To protect important aquatic species, motor driven construction equipment shall not be allowed within stream channels unless on authorized ford crossings. Activities within stream channels are prohibited as determined by the classification of the stream (COMAR 26.08.02.08), unless specifically approved by the Maryland Department of the Environment (Department), Water and Science Administration's Nontidal Wetlands and Waterways Protection Program (Program): Casselman River and its tributaries and Meadow Run and its tributaries are being reclassified as Use III waterways; in-stream work may not be conducted from October 1 through April 30, inclusive, of any year. If any in-stream work is requested during the restriction period the Certification Holder shall coordinate with the Program for review. If approval is granted by the Program, these measures shall become part of this Certification for the Project for the purposes of any federal license or permit.
2. **Water Quality Monitoring Plan (WQM Plan):** Certification Holder shall submit a WQM Plan at least 90 days prior to any commencement of any work authorized under this Certification. No activity that impacts regulated resources (regulated resources include wetlands, wetland buffers, waterways, and the nontidal 100-year floodplain) shall commence prior to the Program's approval of a WQM Plan. The WQM Plan shall ensure consistency with the conditions of this Certification. Upon approval, the WQM Plan shall become part of these Certification conditions for the Project for the purposes of any federal license or permit. The WQM Plan can only be modified upon letter approval by the Program. Approvals shall become part of these Certification conditions for the Project for the purposes of any federal license or permit. The WQM Plan shall include the following:
 - a. Water quality criteria and benchmarks for which the Project shall be monitored and documented to ensure consistency with the requirements of the Clean Water Act, COMAR 26.08.02, and conditions in this Certification, including, at minimum, applicable total suspended solids/turbidity, temperature, dissolved oxygen, and pH criteria.
 - b. Monitoring methodology, monitoring locations, reporting schedule(s), quality assurance/quality control procedures, and corrective action plans.
3. **Construction Plan Submittals:** Certification Holder shall submit the plans below and obtain the Program's concurrence with each plan before beginning construction.
 - a. **Stormwater Management Plan Submittal:** Certification Holder shall submit concept and final Stormwater Management Plans to the Program for review and obtain the Program's concurrence on the concept and final Stormwater Management Plans prior to beginning any work in regulated resources including wetlands, wetland buffers, nontidal waterways, and nontidal 100-year nontidal floodplains. The final stamped plans, and any proposed modifications to those plans, shall be submitted to the Program for concurrence. Upon approval by the Program, these plans shall become part of these Certification conditions for the Project for the purposes of any federal license or permit.

- i. No stormwater management structures shall be placed in any nontidal wetland, nontidal wetland buffer, nontidal waterway, or 100-year nontidal floodplain unless specifically approved by the Program.
 - ii. Stormwater shall be controlled to prevent discharge of sediments, trash, or debris into nontidal wetlands or nontidal waterways, unless specifically approved by the Program.
 - b. **Construction Plan Submittals:** Certification Holder shall submit detailed construction plans and obtain Program concurrence prior to disturbing any regulated resource, including wetlands, wetland buffers, waterways, or the nontidal 100-year floodplain.
 - i. Erosion and sediment control plans, including methods for protection of water quality, maintenance of stream flow, and dewatering, shall be submitted to the Program for concurrence prior to initiation of work in each phase. Work on each phase shall not begin until the Program has concurred with the applicable plans for that phase.
 - ii. Any proposed change(s) to approved erosion and sediment control plans shall be forwarded to the Program for concurrence. Work shall not begin that reflects the proposed changes until the Program approves the proposed change(s).
 - c. **Culvert Plan Submittals:** Certification Holder shall submit culvert construction plans for concurrence by the Program prior to any riparian tree clearing at each culvert location.
 - i. Culvert construction plans shall include hydrologic and hydraulic analysis and construction plans, including stabilization and restoration, for concurrence from the Program consistent with requirements outlined in COMAR 26.17.04.
 - ii. Work shall not begin in any location subject to the culvert construction plans until the Program approves the culvert construction plans.
 - d. **Submittal Review:** Certification Holder shall develop a submittal schedule indicating anticipated dates for submission of plans and reports, and shall update the schedule as required. No work that affects any regulated resource shall begin without written concurrence from the Program for each plan described in this section.
4. **Passage of Aquatic Life:** Certification Holder shall ensure adequate sizing of structures in order to reduce velocities, promote natural substrate development, and allow adequate depression to accommodate future stream conditions. All rip-rap within streams shall have a depressed "low flow" channel or other feature to allow passage. Culvert length shall be minimized to the greatest extent practicable. Culverts greater than 150 in length will require an environmental study to demonstrate that adverse impacts are adequately mitigated (COMAR 26.17.04.06). Where appropriate and practicable, structures greater than 150 linear feet shall incorporate provisions to promote passage, including resting areas, baffles, and / or other techniques appropriate to promote passage of those species known to occur in the waterway as approved by the Program.
5. **Stormwater Best Management Practices (BMPs):** Certification Holder shall design stormwater BMPs/facilities for the Project using the Use III criteria in the Maryland Stormwater Design Manual, unless otherwise approved by the Program.
6. **Associated Impacts:** Impacts to regulated resources, both permanent and temporary, resulting from activities associated with this Project, including utility relocation, disposal of materials, access, temporary storage facilities, or other related activities, are subject to all conditions of this Certification, including review and approval of submittals prior to initiation of work within regulated resources.
7. **Temporary Wetland and Waterway Disturbance:** Minimize impacts to wetlands and their buffers and waterways, including the nontidal 100-year floodplain, to the maximum extent practicable. Restore any temporarily disturbed wetlands, wetland buffers, waterways, and nontidal 100-year floodplains to pre-construction conditions or better, as approved by the Program, prior to completion of the Project.
8. **Temporal Loss of Functions and Values:** Certification Holder shall identify and list all permanent and temporary impacts, including all proposed temporary fill(s). Temporary impacts to regulated resources that are in place for over one year may require additional mitigation to offset the temporal

loss associated with the lost functions and values as determined by the Program. The Certification Holder shall provide a summary of all areas that are in place for over one year for evaluation by the Program concurrent with Construction Plan submittals as required under Special Condition 3 of this Certification.

9. **On-site Stream Relocation Monitoring:** The Certification Holder shall monitor the on-site stream relocations for three (3) out of five (5) years on years one, three, and five following the completion of construction of the Project. The monitoring shall identify and evaluate changes in 1) channel cross-section, pattern and profile; 2) bed materials; 3) channel stability; 4) structure stability and condition; and 5) vegetation viability. The monitoring effort shall include topographic surveys of monumented cross-sections within the realigned channel segment, visual field observations, photographic documentation at established locations, vegetation viability measurements, and identify any necessary corrective measures. The Certification Holder shall submit reports on years one, three, and five on the results of the monitoring efforts at the stream restoration project to the Program by December 31 of the monitoring year. Certification Holder shall coordinate with the regulatory agencies concerning applicable remedial measures for any identified project failures or concerns and shall correct any project failures within one year of their identification.
10. **Mitigation:** Certification holder shall mitigate the loss of nontidal wetlands and streams. Pursuant to COMAR 26.23.04, the Certification Holder shall create and enhance wetlands and restore streams in accordance with a Phase II conceptual mitigation plan that is approved by the Mitigation and Technical Assistance Section ("Section") of the Program. Upon approval, the Phase II conceptual mitigation plan, and subsequent Phase II approval letter from the Program, become part of these Certification conditions for the Project for the purposes of any federal license or permit. Stream and wetland mitigation construction shall occur prior to or concurrent with roadway construction impacting wetlands and waterways. Should mitigation construction be delayed or unsuccessful, additional mitigation may be required to offset temporal loss of functions and values as determined by the Program.

GENERAL CONDITIONS

1. The Certification Holder shall meet all water quality-related performance standards and conditions required by the Program in any state issued authorization for activities in Waters of the United States to ensure that any discharges will not result in a failure to comply with water quality standards in COMAR 26.08.02 or other water quality requirements of state law or regulation.
2. Structures and activities may not interfere with movement of aquatic life, fish, and other wildlife nor cause their entanglement.
3. When operating an intake structure, the Certification Holder shall use a screen having a nominal mesh size of 1 mm and an intake velocity not to exceed 0.5 ft/sec. during the Time of Year Restriction specified in the applicable Program authorization.
4. Non-native species may not be introduced with adverse effects on the aquatic ecosystem.
5. The Project shall be constructed in accordance with the approved final plan by the Program, or, if Program approval is not required, the plan approved by the U.S. Army Corps of Engineers; and its approved revisions.
6. Activities which result in an earth disturbance subject to the requirements in Annotated Code of Maryland, Environment Article, Title 4 and COMAR 26.17.01 shall have an erosion and sediment control plan approved by the appropriate approval authority, including following the

stabilization requirements set forth in COMAR 26.17.01.07 and “2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control,” as may be amended.

7. The disturbance of the bottom of the waterway and sediment transport into adjacent State waters shall be minimized.
8. All fill and construction materials not used in the project shall be removed and disposed of in a manner which will prevent their entry into waters of this State.
9. The Certification Holder shall adhere to the construction time of year restrictions, unless waived or amended by the Program, as identified in a state authorization.
10. The Certification Holder shall obtain any and all additional authorizations or approvals, including self-certifying General Permits issued by the Program, and shall comply with all conditions of such authorizations.
11. This Certification does not obviate the need to obtain required authorizations or approvals from other State, federal or local agencies as required by law.
12. This Certification does not authorize any injury to private property, any invasion of rights, or any infringement of federal, state, or local laws or regulations.
13. The Certification Holder shall allow authorized representatives of the Program access to the site of authorized activities during normal business hours to conduct inspections and evaluations of the operations and records necessary to assure compliance with this Certification.
14. This Certification is valid for the project identified herein and the associated U.S. Army Corps of Engineers Authorization No. 202461407 until such time that it expires.

STATEMENTS OF NECESSITY AND CITATIONS

1. Statement of Necessity for Special Conditions 1, 2, 5, 9, and 10 and General Conditions 1, 5, 10, 11: The condition is necessary to ensure that water quality standards are met and designated uses are maintained.

Citations: Federal and state laws which authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.08.02.02B(1); 26.08.02.03B(1)(b); 26.08.02.03B(2)(e); COMAR 26.08.03.03-3.D; COMAR 26.17.04; COMAR 26.23; COMAR 26.23.02.06

2. Statement of Necessity for Special Conditions 1, 2, 4 and 9 and General Conditions 2, 3: Movement of aquatic life and passage of flows is essential for growth and propagation of aquatic life, fish, and other wildlife to meet these designated uses.

Citation: Federal and state laws that authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.08.02.10E; COMAR 26.08.02.02B(1); 26.08.02.03B(1)(b); 26.08.02.03B(2)(e); COMAR 26.17.01; COMAR 26.23.02.06; COMAR 26.23; COMAR 26.17.04

3. Statement of Necessity for Special Conditions 2-4 and General Condition 4: Nuisance or non-native species may spread and disrupt and dislodge native species from their habitat, leading to declines in distribution, density, growth and propagation. This may result in failure to support native species; and growth, propagation of fish, other aquatic life, and wildlife. Limitations on loss will sustain habitat for a variety of aquatic species. In addition to direct loss, turbidity created by construction or ongoing operation must be limited for support of aquatic life and to meet water quality standards. The conditions ensure that discharges will not result in failure to support designated uses.

Citations: COMAR 26.08; COMAR 26.08.02.02.B(5); COMAR 26.08.03.03-3.D; COMAR 26.23.02.06; COMAR 26.23; COMAR 26.17.04

4. Statement of Necessity for Special Conditions 2 and 5 and General Condition 6, 7, 8: Fill or construction material within or adjacent to regulated resources or other earth disturbance may result in discharges that result in impacts to water quality, clarity, growth and propagation of fish, other aquatic life, wildlife, potable water; and other designated uses; and fail to meet general water quality criteria that waters not be polluted by substances in amounts sufficient to be unsightly or create a nuisance.

Citations: Federal and state laws which authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.08.02.10E; COMAR 26.08.02.02B(1); 26.08.02.03B(1)(b); 26.08.02.03B(2)(e); COMAR 26.17.01; COMAR 26.23.02.06; COMAR 26.23; COMAR 26.17.04

5. Statement of Necessity for Special Conditions 5-8 and General Condition 8: Material within or adjacent to regulated resources may result in discharges that result in impacts to water quality and designated uses.

Citations: Federal and state laws that authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.08.02.02B(1); 26.08.02.03B(1)(b); 26.08.02.03B(2)(e); COMAR 26.23.02.06; COMAR 27.17.04; COMAR 26.23

6. Statement of Necessity for Special Conditions 1 and General Condition 9: Restrictions on instream construction are necessary to protect designated uses for propagation and growth of fish, other aquatic life, and wildlife.

Citations: Federal and state laws which authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.08.02.03-3.D; COMAR 26.23.02.06

7. Statement of Necessity for Special Conditions 1 and General Condition 9: The time of year restriction is necessary to maintain the designated use- support of water contact recreation, protection of nontidal aquatic life, and/or protection of waters which have the potential for or are suitable for the growth and propagation of self-sustaining trout populations and other coldwater obligate species including, but not limited to the stoneflies tallaperla and sweltsa.

Citations: COMAR 26.08; COMAR 26.08.02.02.B(5); COMAR 26.08.03.03-3.D

8. Statement of Necessity for Special Conditions 2, 3, and 5 and General Condition 12: The condition is necessary to clarify the scope of this certification to ensure compliance with water quality regulations, without limiting restrictions through other requirements.

Citation: Federal and state laws which authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08, COMAR 26.08.02.10E; COMAR 26.23.02.06; COMAR 26.17.04; COMAR 26.23

9. Statement of Necessity for General Condition 13: Conditions of certification involve precise actions to comply with water quality standards. Site inspection may be necessary to ensure that limits, methods, and other requirements are met to ensure that water quality standards are met and designated uses are maintained. These conditions are necessary to ensure that the activity was conducted and project completed according to terms of the authorization/ certification, while allowing for review of in-field modifications which may have resulted in discharges to ensure that water quality standards were met.

Citation: Federal and state laws which authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.08.02.02.B(5); COMAR 26.08.02.03B(1)(b); COMAR 26.08.02.03B(2); COMAR 26.08.03.03-3.D; COMAR 26.23.02.06; COMAR 26.23; COMAR 26.17.04

10. Statement of Necessity for General Condition 14: This condition is necessary to qualify the period of applicability of the terms and conditions of this Certification to be protective of Maryland water quality standards.

Citations: Federal and state laws which authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; 40 C.F.R. 121, 15 C.F.R. 930, Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.23.02.06; COMAR 26.23; COMAR 26.17.04

CERTIFICATION APPROVED

Matthew C. Rowe

D. Lee Currey, Director
Water and Science Administration

Tracking Number: 202461407

Agency Interest Number:
180514

Effective Date: June 17, 2025

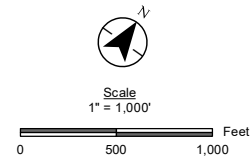
Attachments: Impact Plates

cc: WSA Inspection & Compliance Program
U.S. Army Corps of Engineers

24-WQC-0043
202461481
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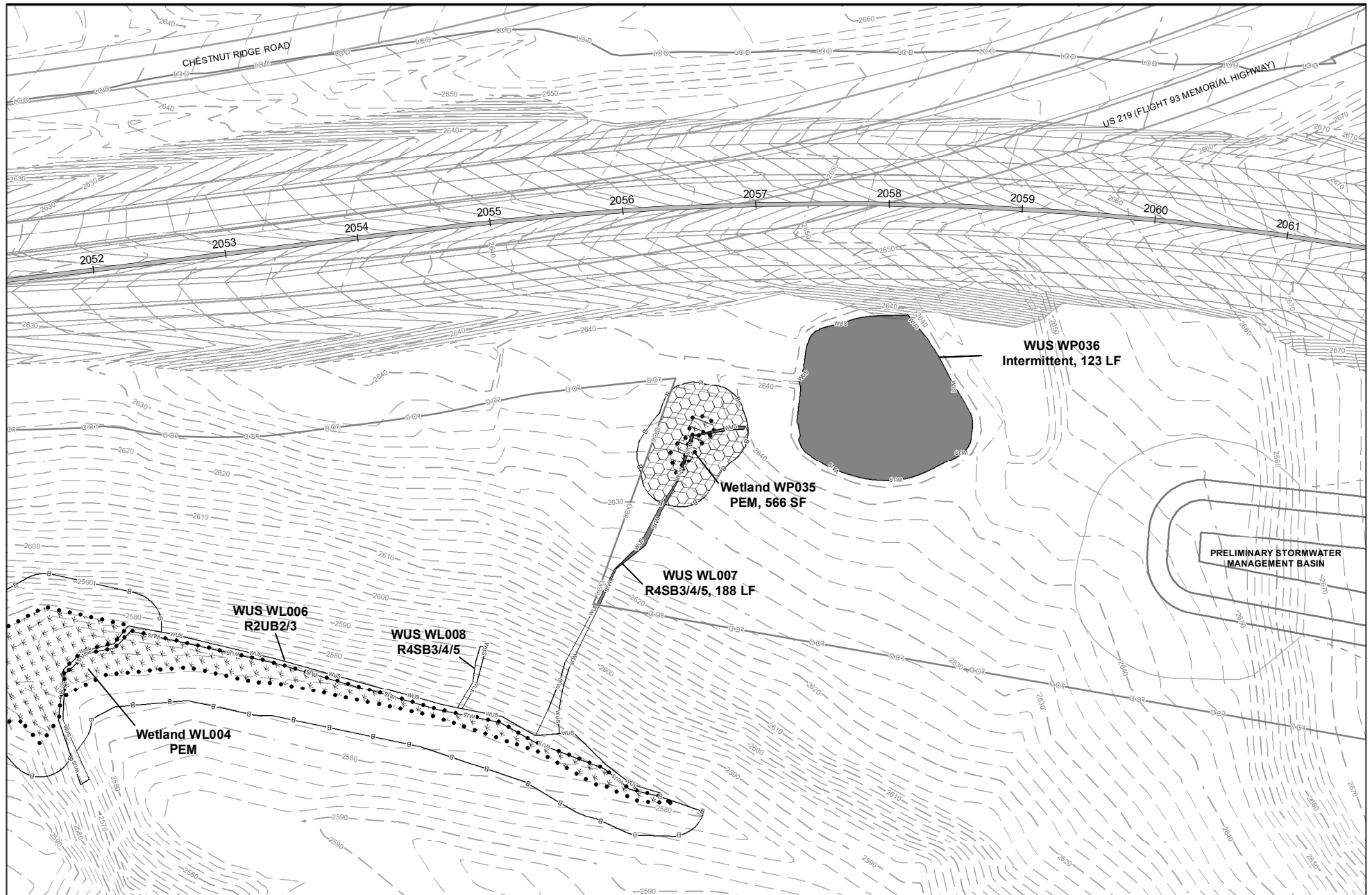


- Preliminary Proposed Alignment
- Plan Sheet
- Limits of Disturbance



AQUATIC RESOURCE IMPACT PLAN
US 6219, SECTION 50
TRANSPORTATION IMPROVEMENT PROJECT
INDEX SHEET
MARYLAND

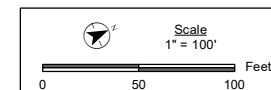




- Preliminary Proposed Alignment
- Limits of Disturbance
- Permanent Stream Impact
- Permanent Wetland Impact
- Permanent Wetland Buffer Impact
- Waters of the U.S.
- Delineated Wetland
- Ephemeral Channel
- 25' Wetland Buffer
- Cut Line
- Fill Line
- Preliminary Pipe
- Preliminary Rock Apron
- Photo Location

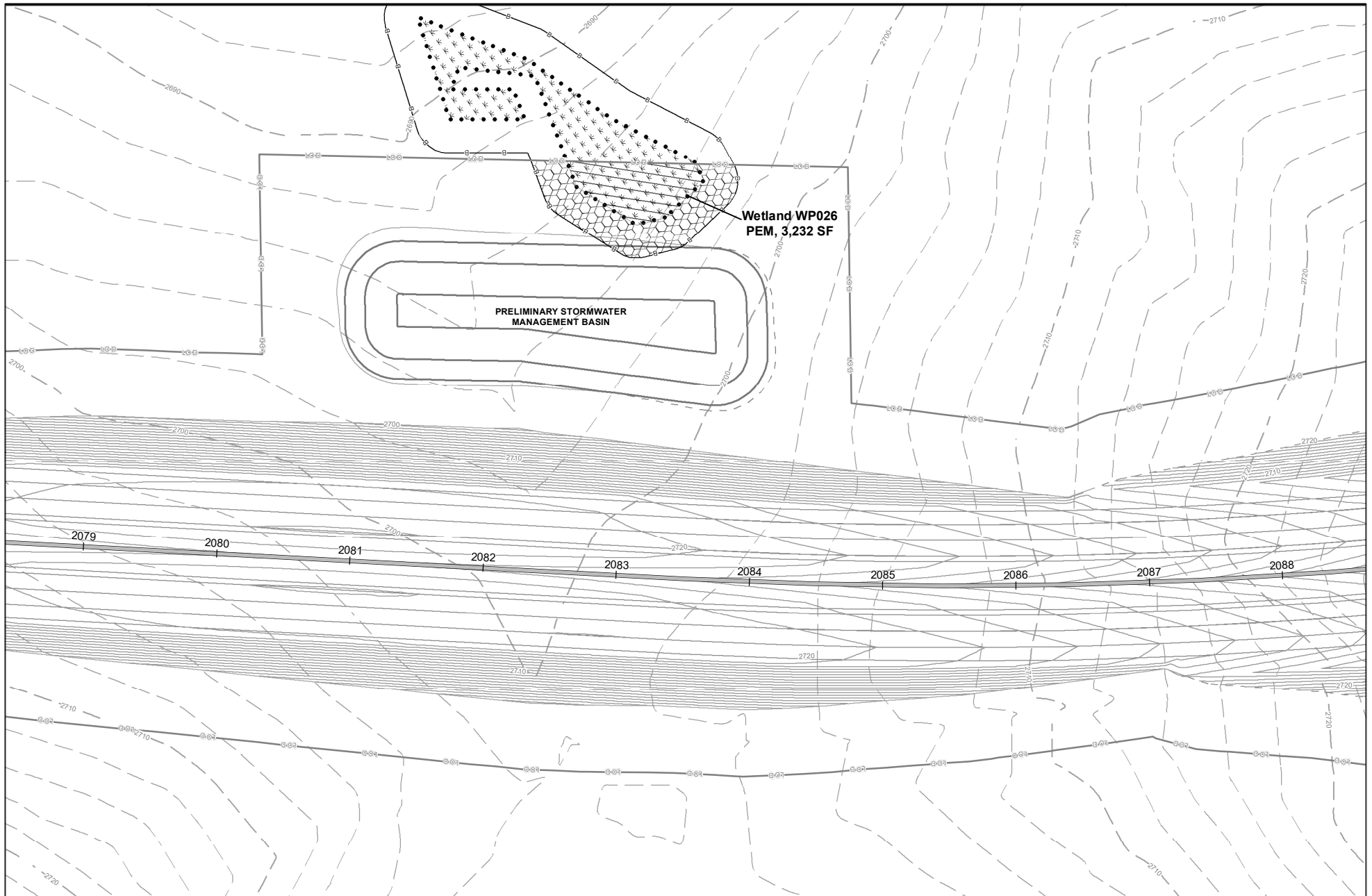
Stream Impact Table		Wetland Impact Table		Wetland Buffer Impact Table	
	Permanent Impact		Permanent Impact		Permanent Impact
Intermittent	311 LF / 13,052 SF	PEM1B	566 SF / 0.01 AC		4,617 SF / 0.11 AC

Impact values provided in the tables above are areas/lengths per sheet to the match lines. Impact values provided in the plan view adjacent to each resource is for the entire impact to the resource.



AQUATIC RESOURCE IMPACT PLAN
US 6219, SECTION 50
TRANSPORTATION IMPROVEMENT PROJECT
SHEET 1
MARYLAND

Prepared by:



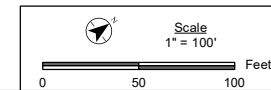
- Preliminary Proposed Alignment
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- Delineated Wetland
- Ephemeral Channel
- 25' Wetland Buffer
- Cut Line
- Fill Line
- Preliminary Pipe
- Preliminary Rock Apron
- Photo Location

Stream Impact Table	
	Permanent Impact
No Stream Impacts Displayed on this Sheet	

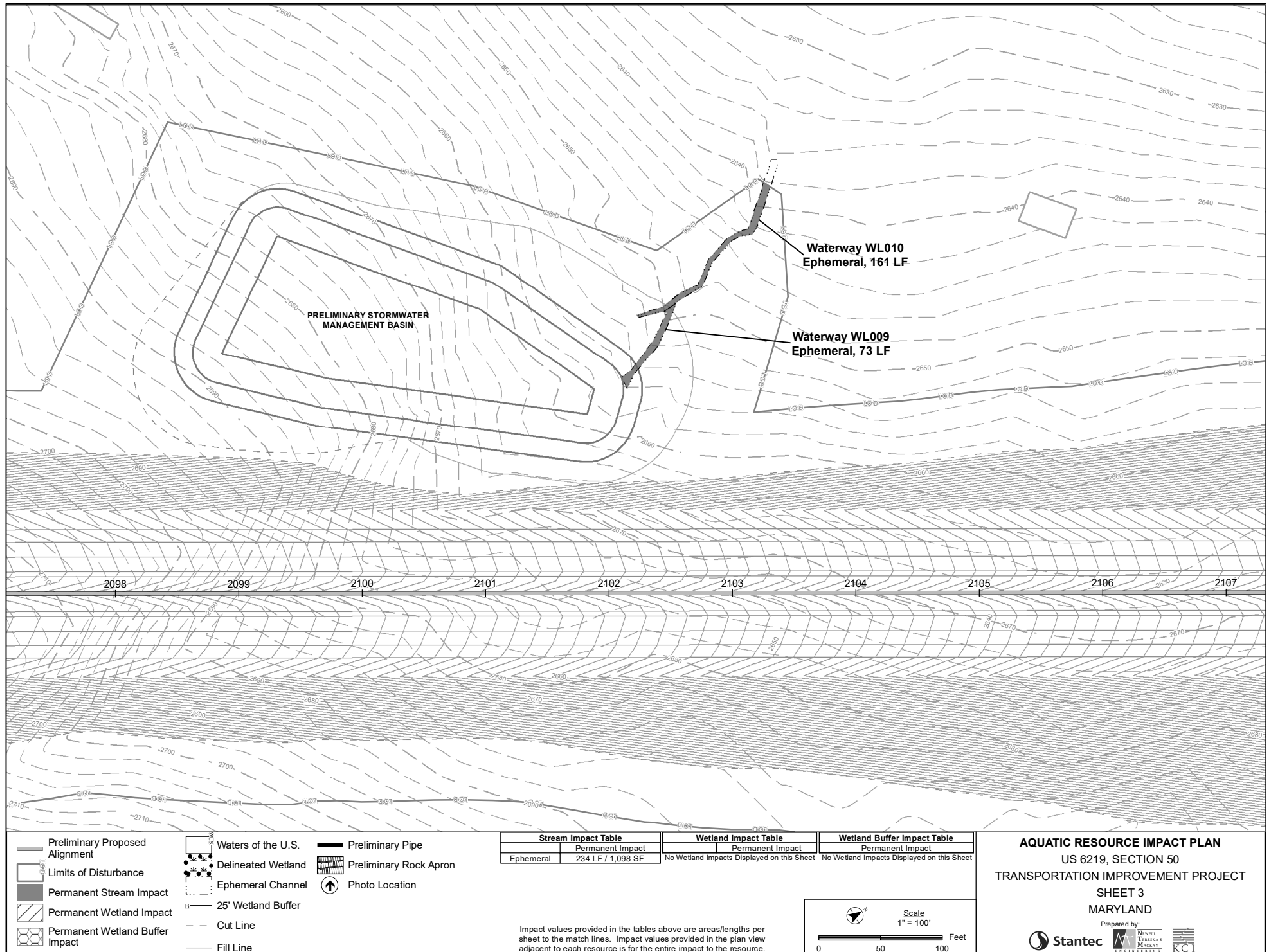
Wetland Impact Table	
	Permanent Impact
PEM1B	3,232 SF / 0.07 AC

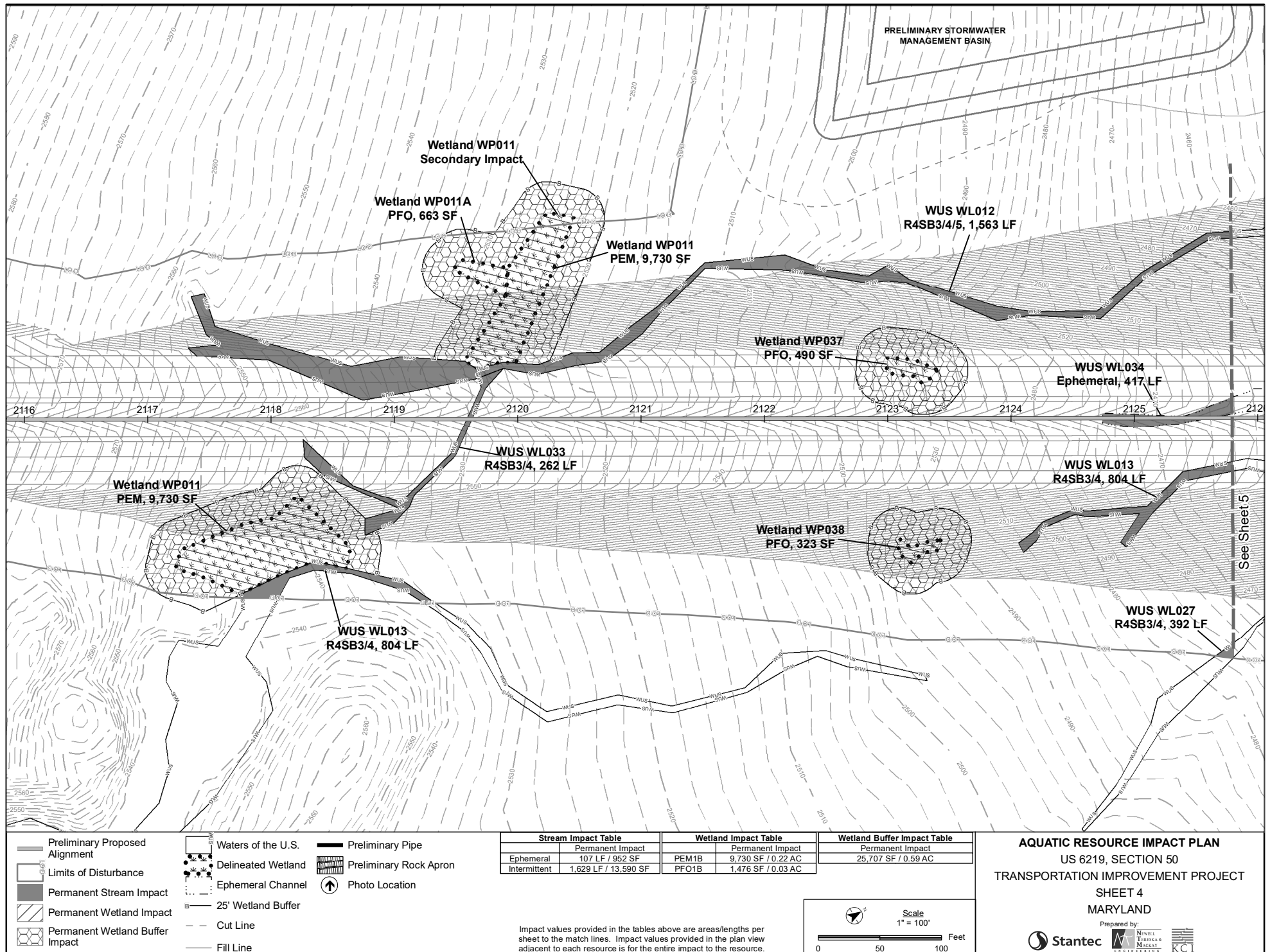
Wetland Buffer Impact Table	
	Permanent Impact
	4,736 SF / 0.11 AC

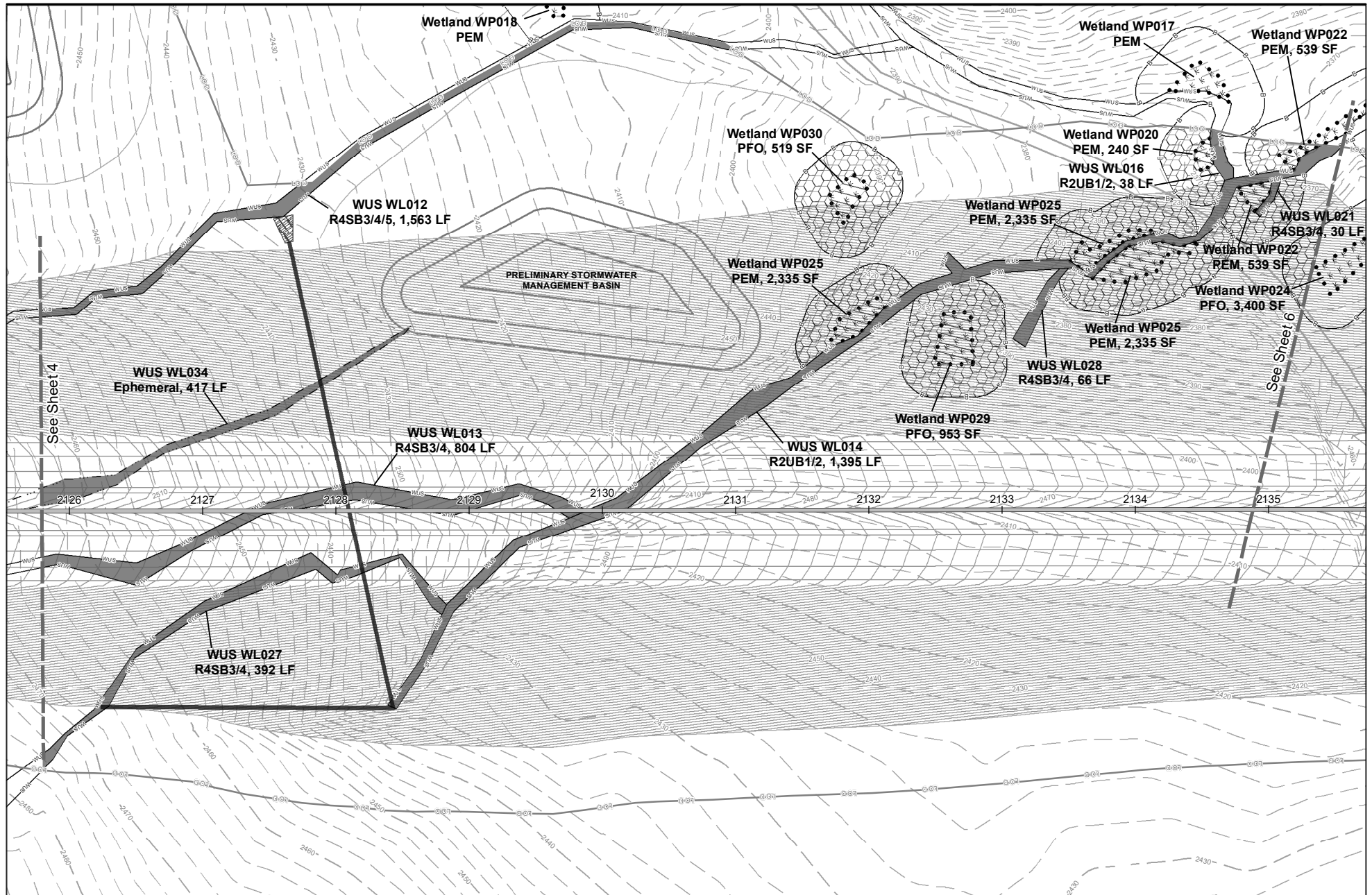
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AQUATIC RESOURCE IMPACT PLAN
 US 6219, SECTION 50
 TRANSPORTATION IMPROVEMENT PROJECT
 SHEET 2
 MARYLAND







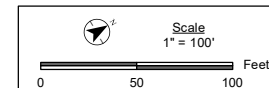
- Preliminary Proposed Alignment
- Limits of Disturbance
- Permanent Stream Impact
- Permanent Wetland Impact
- Permanent Wetland Buffer Impact
- Waters of the U.S.
- Delineated Wetland
- Ephemeral Channel
- 25' Wetland Buffer
- Cut Line
- Fill Line
- Preliminary Pipe
- Preliminary Rock Apron
- Photo Location

Stream Impact Table	
Permanent Impact	
Ephemeral	310 LF
Intermittent	1,488 LF / 10,731 SF
Perennial	909 LF / 7,382 SF

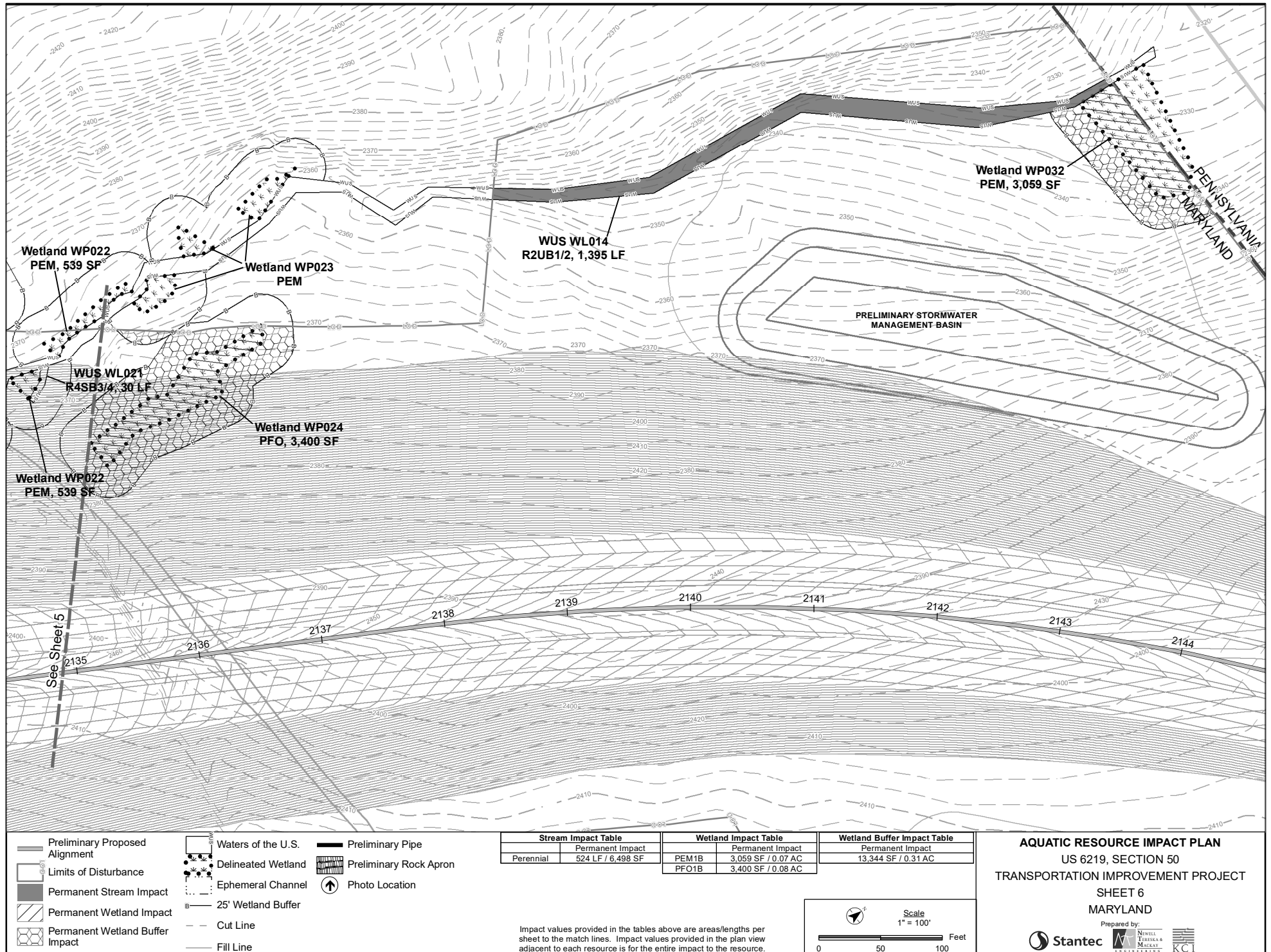
Wetland Impact Table	
Permanent Impact	
PEM1B	3,114 SF / 0.07 AC
PFO1B	1,472 SF / 0.03 AC

Wetland Buffer Impact Table	
Permanent Impact	
	24,293 SF / 0.56 AC

Impact values provided in the tables above are areas/lengths per sheet to the match lines. Impact values provided in the plan view adjacent to each resource is for the entire impact to the resource.



AQUATIC RESOURCE IMPACT PLAN
 US 6219, SECTION 50
 TRANSPORTATION IMPROVEMENT PROJECT
 SHEET 5
 MARYLAND



SHEET NUMBER	PERMANENT PERENNIAL WATERS OF U.S. IMPACT	PERMANENT INTERMITTENT WATERS OF U.S. IMPACT	PERMANENT EPHEMERAL WATERS OF U.S. IMPACT	PERMANENT PFO WETLAND IMPACT	PERMANENT PEM WETLAND IMPACT	PERMANENT WETLAND BUFFER IMPACT
SHEET 1	NO IMPACT	13,052 SF 0.30 AC 311 LF	NO IMPACT	NO IMPACT	566 SF 0.01 AC	4,617 SF 0.11 AC
SHEET 2	NO IMPACT	NO IMPACT	NO IMPACT	NO IMPACT	3,232 SF 0.07 AC	4,736 SF 0.11 AC
SHEET 3	NO IMPACT	NO IMPACT	1,098 SF 0.03 AC 234 LF	NO IMPACT	NO IMPACT	NO IMPACT
SHEET 4	NO IMPACT	13,590 SF 0.31 AC 1,629 LF	952 SF 0.02 AC 107 LF	1,476 SF 0.03 AC	9,730 SF 0.22 AC	25,707 SF 0.59 AC
SHEET 5	7,382 SF 0.17 AC 909 LF	10,731 SF 0.25 AC 1,488 LF	2,155 SF 0.05 AC 310 LF	1,472 SF 0.03 AC	3,114 SF 0.07 AC	24,293 SF 0.56 AC
SHEET 6	6,498 SF 0.15 AC 524 LF	NO IMPACT	NO IMPACT	3,400 SF 0.08 AC	3,059 SF 0.07 AC	13,344 SF 0.31 AC
TOTALS	13,880 SF 0.32 AC 1,433 LF	37,373 SF 0.86 AC 3,428 LF	4,205 SF 0.10 AC 651 LF	6,348 SF 0.14 AC	19,701 SF 0.44 AC	72,697 SF 1.68 AC

AQUATIC RESOURCE IMPACT PLAN
 US 6219, SECTION 50
 TRANSPORTATION IMPROVEMENT PROJECT
 SHEET 7
 MARYLAND

Prepared by:



