STORMWATER MANAGEMENT REPORT

ROUTE NUMBER PROJECT DESCRIPTION AS IT APPEARS IN AD SCHEDULE

COUNTY/IES

SHA Contract No. XX0000000

SHA FMIS No. XX000X00

SHA PRD No. XX-PR-XXXX

INSERT PROJECT LOCATION MAP HERE

***PREPARED BY:***

Maryland State Highway Administration

Office of Highway Development

Highway Design Division

707 North Calvert St.

Baltimore, MD, 21202

***PREPARED FOR:***

Maryland State Highway Administration

Office of Highway Development

Highway Design Division

707 North Calvert St.

Baltimore, MD, 21202

**Date:**

P.E. Seal

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

License No: 00000 Expiration Date: MM/DD/YYYY

NOTE: Not required for SHA in-house projects.

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# Stormwater Management Narrative

This report presents the concept/site development/final SWM analysis and design for project name here located in county name here. The purpose of the project is purpose here and consists of the following work: constructing/retrofitting work here.

A 3.3.A waiver is requested for this project. IART is zero and there will be no hydrologic changes. Because the stormwater impacts are minor, all POIs and LOIs will be evaluated as a single project-wide study point. *(Refer to the Current Technical Practices, pages 18 and 19*: For projects with impervious area in the LOD, identification of POIs and stability statements with supporting photographs for those outfalls are required. The WQSS can still have a single project-wide POI.)

***Refer to appendices for supporting documentation.***

**Site Description and Natural Resources**

|  |  |
| --- | --- |
| Limit of Disturbance (acre) |  |
| Downstream Waterbody Name(6-Digit Watershed) |  |
| 12-Digit Watershed/s |  |
| Tier II Watershed? | Yes/No |
| Wetland/Waterway Impacts? | Yes/No |
| Floodplain Impacts? | Yes/No |
| Hotspot Description | *NA or Description* |
| Chesapeake Bay Critical Area Impacts? | Yes/No |
| Severn River Watershed? | Yes/No |

# Regulatory Requirements (Add this section if any of the following apply)

[ ]  **Anne Arundel Soil Conservation District** **Review** - Projects located within the Severn River watershed require submittal to and approval from the Anne Arundel Soil Conservation District, in accordance with MD Code, Environment, 4-308.

[ ]  **TIER II Review** - Projects located within a TIER II watershed require completion of the NPDES anti-degradation checklist which should be included as part of the SWM narrative.

[ ]  **Critical Area Review** – Projects that lie within the Chesapeake Bay Critical Area require review and approval by the Critical Area Commission.

# Erosion and Sediment Control Narrative

All Erosion and Sediment Control (ESC) practices will be designed according to the latest applicable standards and specifications. *Describe proposed ESC specific for this project in general terms and discuss ESC phasing if any.*

# Appendices

## Appendix A: SWM Data

* Project Site/WQ/Natural Resources Mapping
	+ Identify all POI/LOIs *(for study areas with impervious area impacts)*
	+ Photos supporting outfall stability *(not required for projects with no impervious area in the LOD)*
	+ Show Project LOD
	+ Show WUS/Wetlands/100-Year Floodplain
* Peak Flow and Velocity Computations
	+ Provide this section only as needed for evaluating erosive flows
* Water Quality Summary Sheet *(single project-wide POI is acceptable on the WQSS*)
* 3.3.A Waiver Application

## Appendix B: Outfall Photographs and Stability Analysis (for each POI/LOI)

## Appendix C: Culvert/Dam Evaluation and Summary (if applicable)

## Appendix D: References

* Maryland Department of the Environment, 2000 Maryland Stormwater Design Manual, (October 2000, Revised May 2009)
* Maryland Department of the Environment, 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control
* Maryland Department of the Environment, Maryland Stormwater Management and Erosion & Sediment Control Guidelines for State and Federal Projects, (February 2015)
* Maryland Department of Transportation State Highway Administration, Sediment and Stormwater Guidelines and Procedures, (October 2017)
* Include any additional references as appropriate
* List any MDE Tech memos referenced