3. SUMMARY TABLE FOR SUPPORTING CALCULATION AND MEASUREMENT DATA
See Attachment D in the Instructions on how to Complete This Section

Watershed Name: Valley Forge Road - Blair County

Design storm frequency 2-yr Rainfall amount 2.69 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.14	0.14
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.009	0.023	0.014
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.006	-0.003
Stormwater discharge rate for the design frequency storm			
1) 2-Year/24-Hour	0.276 cfs	0.214 cfs	-0.062 cfs
2) 10-Year/24-Hour	2.141 cfs	1.827 cfs	-0.344 cfs
3) 50-year/24-Hour	5.441 cfs	5.173 cfs	-0.268 cfs
4) 100-year/24-Hour	7.280 cfs	7.224 cfs	-0.056 cfs

4. SUMMARY DESCRIPTION OF POST CONSTRUCTION STORMWATER BMPs

In the lists below, check the BMPs identified in the Post Construction Stormwater Management Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the Site Restoration Plan is not listed below, describe it in the space provided after "Other".

BMP	Function(s)	Volume of stormwater treated	Acres treated
Bio-infiltration areas	Infiltration/Recharge		
☐ Infiltration Trench		_____	_____
☐ Infiltration Bed		_____	_____
☐ Infiltrated Basin		_____	_____
Natural Area Conservation	Infiltration/Recharge		
☐ Streamside Buffer Zone		_____	_____
☐ Wetland Buffer Zone		_____	_____
☐ Sensitive Area Buffer Zone		_____	_____
☐ Pre-Construction Drainage Pattern Intact		_____	_____
Stormwater Retention	Detention/Retention		
☐ Constructed Wetlands		_____	_____
☐ Wet Ponds		_____	_____
☐ Retention Basin		_____	_____
Sediment and Pollutant Removal	Water Quality Treatment		
☐ Vegetated Filter Strips		_____	_____
☐ Compost Filter Sock		_____	_____
☐ Detention Basins		_____	_____

Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Infiltration Berm	Infiltration/Recharge	_____ _____ _____ 734 cubic feet	_____ _____ _____ 1.320

5. Off-site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☐ Yes ☒ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge.

The Applicant must provide a demonstration in both the E&S and PCSM Plans that the discharge will not cause erosion, damage, or nuisance to off-site properties.

6. Thermal Impact Analysis.

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

7. Critical PCSM Plan stages.

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

3. SUMMARY TABLE FOR SUPPORTING CALCULATION AND MEASUREMENT DATA
See Attachment D in the Instructions on how to Complete This Section

Watershed Name: Charger Drainage Area 1 - Blair County

Design storm frequency 2-yr Rainfall amount 2.66 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.14	0.14
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.037	0.051	0.014
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.032	-0.005
Stormwater discharge rate for the design frequency storm			
1) 2-Year/24-Hour	1.348 cfs	1.151 cfs	-0.197 cfs
2) 10-Year/24-Hour	3.025 cfs	2.823 cfs	-0.202 cfs
3) 50-year/24-Hour	5.326 cfs	5.263 cfs	-0.063 cfs
4) 100-year/24-Hour	6.505 cfs	6.368 cfs	-0.137 cfs

4. SUMMARY DESCRIPTION OF POST CONSTRUCTION STORMWATER BMPs

In the lists below, check the BMPs identified in the Post Construction Stormwater Management Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the Site Restoration Plan is not listed below, describe it in the space provided after "Other".

BMP	Function(s)	Volume of stormwater treated	Acres treated
Bio-infiltration areas	Infiltration/Recharge		
☐ Infiltration Trench		_____	_____
☐ Infiltration Bed		_____	_____
☐ Infiltrated Basin		_____	_____
Natural Area Conservation	Infiltration/Recharge		
☐ Streamside Buffer Zone		_____	_____
☐ Wetland Buffer Zone		_____	_____
☐ Sensitive Area Buffer Zone		_____	_____
☐ Pre-Construction Drainage Pattern Intact		_____	_____
Stormwater Retention	Detention/Retention		
☐ Constructed Wetlands		_____	_____
☐ Wet Ponds		_____	_____
☐ Retention Basin		_____	_____
Sediment and Pollutant Removal	Water Quality Treatment		
☐ Vegetated Filter Strips		_____	_____
☐ Compost Filter Sock		_____	_____
☐ Detention Basins		_____	_____

Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Slow Release Concept	Infiltration/Recharge	_____ _____ _____ 840 cubic feet	_____ _____ _____ 0.330

5. Off-site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☐ Yes ☒ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge.

The Applicant must provide a demonstration in both the E&S and PCSM Plans that the discharge will not cause erosion, damage, or nuisance to off-site properties.

6. Thermal Impact Analysis.

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

7. Critical PCSM Plan stages.

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

3. SUMMARY TABLE FOR SUPPORTING CALCULATION AND MEASUREMENT DATA
See Attachment D in the Instructions on how to Complete This Section

Watershed Name: Charger Drainage Area 2 - Blair County

Design storm frequency 2-yr Rainfall amount 2.66 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.02	0.02
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.005	0.006	0.001
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.003	-0.002
Stormwater discharge rate for the design frequency storm			
1) 2-Year/24-Hour	0.126 cfs	0.107 cfs	-0.019 cfs
2) 10-Year/24-Hour	0.302 cfs	0.274 cfs	-0.028 cfs
3) 50-year/24-Hour	0.547 cfs	0.525 cfs	-0.022 cfs
4) 100-year/24-Hour	0.672 cfs	0.591 cfs	-0.081 cfs

4. SUMMARY DESCRIPTION OF POST CONSTRUCTION STORMWATER BMPs

In the lists below, check the BMPs identified in the Post Construction Stormwater Management Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the Site Restoration Plan is not listed below, describe it in the space provided after "Other".

BMP	Function(s)	Volume of stormwater treated	Acres treated
Bio-infiltration areas	Infiltration/Recharge		
☐ Infiltration Trench		_____	_____
☐ Infiltration Bed		_____	_____
☐ Infiltrated Basin		_____	_____
Natural Area Conservation	Infiltration/Recharge		
☐ Streamside Buffer Zone		_____	_____
☐ Wetland Buffer Zone		_____	_____
☐ Sensitive Area Buffer Zone		_____	_____
☐ Pre-Construction Drainage Pattern Intact		_____	_____
Stormwater Retention	Detention/Retention		
☐ Constructed Wetlands		_____	_____
☐ Wet Ponds		_____	_____
☐ Retention Basin		_____	_____
Sediment and Pollutant Removal	Water Quality Treatment		
☐ Vegetated Filter Strips		_____	_____
☐ Compost Filter Sock		_____	_____
☐ Detention Basins		_____	_____

Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Slow Release Concept	Infiltration/Recharge	_____ _____ _____ 130 cubic feet	_____ _____ _____ 0.050

5. Off-site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☐ Yes ☒ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge.

The Applicant must provide a demonstration in both the E&S and PCSM Plans that the discharge will not cause erosion, damage, or nuisance to off-site properties.

6. Thermal Impact Analysis.

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

7. Critical PCSM Plan stages.

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

3. SUMMARY TABLE FOR SUPPORTING CALCULATION AND MEASUREMENT DATA
See Attachment D in the Instructions on how to Complete This Section

Watershed Name: Locke Mountain Road - Blair County

Design storm frequency 2-yr Rainfall amount 2.67 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.15	0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.048	0.060	0.012
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.043	-0.005
Stormwater discharge rate for the design frequency storm			
1) 2-Year/24-Hour	1.688 cfs	1.573 cfs	-0.115 cfs
2) 10-Year/24-Hour	3.430 cfs	3.357 cfs	-0.073 cfs
3) 50-year/24-Hour	5.756 cfs	5.666 cfs	-0.090 cfs
4) 100-year/24-Hour	6.933 cfs	6.797 cfs	-0.136 cfs

4. SUMMARY DESCRIPTION OF POST CONSTRUCTION STORMWATER BMPs

In the lists below, check the BMPs identified in the Post Construction Stormwater Management Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the Site Restoration Plan is not listed below, describe it in the space provided after "Other".

BMP	Function(s)	Volume of stormwater treated	Acres treated
Bio-infiltration areas	Infiltration/Recharge		
☐ Infiltration Trench		_____	_____
☐ Infiltration Bed		_____	_____
☐ Infiltrated Basin		_____	_____
Natural Area Conservation	Infiltration/Recharge		
☐ Streamside Buffer Zone		_____	_____
☐ Wetland Buffer Zone		_____	_____
☐ Sensitive Area Buffer Zone		_____	_____
☐ Pre-Construction Drainage Pattern Intact		_____	_____
Stormwater Retention	Detention/Retention		
☐ Constructed Wetlands		_____	_____
☐ Wet Ponds		_____	_____
☐ Retention Basin		_____	_____
Sediment and Pollutant Removal	Water Quality Treatment		
☐ Vegetated Filter Strips		_____	_____
☐ Compost Filter Sock		_____	_____
☐ Detention Basins		_____	_____

Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Slow Release Concept	Infiltration/Recharge	_____ _____ _____ 719 cubic feet	_____ _____ _____ 0.210

5. Off-site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☐ Yes ☒ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge.

The Applicant must provide a demonstration in both the E&S and PCSM Plans that the discharge will not cause erosion, damage, or nuisance to off-site properties.

6. Thermal Impact Analysis.

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

7. Critical PCSM Plan stages.

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

3. SUMMARY TABLE FOR SUPPORTING CALCULATION AND MEASUREMENT DATA
See Attachment D in the Instructions on how to Complete This Section

Watershed Name: High Street - Blair County

Design storm frequency 2-yr Rainfall amount 2.67 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.15	0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.017	0.031	0.014
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.004	-0.013
Stormwater discharge rate for the design frequency storm			
1) 2-Year/24-Hour	0.223 cfs	0.135 cfs	-0.088 cfs
2) 10-Year/24-Hour	1.984 cfs	1.292 cfs	-0.692 cfs
3) 50-year/24-Hour	5.319 cfs	4.156 cfs	-1.163 cfs
4) 100-year/24-Hour	7.172 cfs	5.924 cfs	-1.248 cfs

4. SUMMARY DESCRIPTION OF POST CONSTRUCTION STORMWATER BMPs

In the lists below, check the BMPs identified in the Post Construction Stormwater Management Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the Site Restoration Plan is not listed below, describe it in the space provided after "Other".

BMP	Function(s)	Volume of stormwater treated	Acres treated
Bio-infiltration areas	Infiltration/Recharge		
☐ Infiltration Trench		_____	_____
☐ Infiltration Bed		_____	_____
☐ Infiltrated Basin		_____	_____
Natural Area Conservation	Infiltration/Recharge		
☐ Streamside Buffer Zone		_____	_____
☐ Wetland Buffer Zone		_____	_____
☐ Sensitive Area Buffer Zone		_____	_____
☐ Pre-Construction Drainage Pattern Intact		_____	_____
Stormwater Retention	Detention/Retention		
☐ Constructed Wetlands		_____	_____
☐ Wet Ponds		_____	_____
☐ Retention Basin		_____	_____
Sediment and Pollutant Removal	Water Quality Treatment		
☐ Vegetated Filter Strips		_____	_____
☐ Compost Filter Sock		_____	_____
☐ Detention Basins		_____	_____

Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Infiltration Berm	Infiltration/Recharge	_____ _____ _____ 1,172 cubic feet	_____ _____ _____ 1.260

5. Off-site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☐ Yes ☒ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge.

The Applicant must provide a demonstration in both the E&S and PCSM Plans that the discharge will not cause erosion, damage, or nuisance to off-site properties.

6. Thermal Impact Analysis.

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

7. Critical PCSM Plan stages.

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

3. SUMMARY TABLE FOR SUPPORTING CALCULATION AND MEASUREMENT DATA
See Attachment D in the Instructions on how to Complete This Section

Watershed Name: Shade Valley Road Drainage Area 1 - Huntingdon County

Design storm frequency 2-yr Rainfall amount 2.74 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.07	0.07	0.00
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.036	0.051	0.015
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.033	-0.003
Stormwater discharge rate for the design frequency storm			
1) 2-Year/24-Hour	1.210 cfs	0.977 cfs	-0.233 cfs
2) 10-Year/24-Hour	3.035 cfs	2.569 cfs	-0.466 cfs
3) 50-year/24-Hour	5.782 cfs	4.955 cfs	-0.827 cfs
4) 100-year/24-Hour	7.344 cfs	6.434 cfs	-0.910 cfs

4. SUMMARY DESCRIPTION OF POST CONSTRUCTION STORMWATER BMPs

In the lists below, check the BMPs identified in the Post Construction Stormwater Management Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the Site Restoration Plan is not listed below, describe it in the space provided after "Other".

BMP	Function(s)	Volume of stormwater treated	Acres treated
Bio-infiltration areas	Infiltration/Recharge		
☐ Infiltration Trench		_____	_____
☐ Infiltration Bed		_____	_____
☐ Infiltrated Basin		_____	_____
Natural Area Conservation	Infiltration/Recharge		
☐ Streamside Buffer Zone		_____	_____
☐ Wetland Buffer Zone		_____	_____
☐ Sensitive Area Buffer Zone		_____	_____
☐ Pre-Construction Drainage Pattern Intact		_____	_____
Stormwater Retention	Detention/Retention		
☐ Constructed Wetlands		_____	_____
☐ Wet Ponds		_____	_____
☐ Retention Basin		_____	_____
Sediment and Pollutant Removal	Water Quality Treatment		
☐ Vegetated Filter Strips		_____	_____
☐ Compost Filter Sock		_____	_____
☐ Detention Basins		_____	_____

Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Infiltration Berm	Infiltration/Recharge	_____ _____ _____ 778 cubic feet	_____ _____ _____ 0.370

5. Off-site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☐ Yes ☒ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge.

The Applicant must provide a demonstration in both the E&S and PCSM Plans that the discharge will not cause erosion, damage, or nuisance to off-site properties.

6. Thermal Impact Analysis.

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

7. Critical PCSM Plan stages.

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

3. SUMMARY TABLE FOR SUPPORTING CALCULATION AND MEASUREMENT DATA
See Attachment D in the Instructions on how to Complete This Section

Watershed Name: Shade Valley Road Drainage Area 2 - Huntingdon County

Design storm frequency 2-yr Rainfall amount 2.74 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.21	0.38	0.17
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.076	0.097	0.021
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.060	-0.016
Stormwater discharge rate for the design frequency storm			
1) 2-Year/24-Hour	2.266 cfs	2.140 cfs	-0.126 cfs
2) 10-Year/24-Hour	5.933 cfs	5.264 cfs	-0.669 cfs
3) 50-year/24-Hour	11.50 cfs	10.32 cfs	-1.180 cfs
4) 100-year/24-Hour	14.68 cfs	13.55 cfs	-1.13 cfs

4. SUMMARY DESCRIPTION OF POST CONSTRUCTION STORMWATER BMPs

In the lists below, check the BMPs identified in the Post Construction Stormwater Management Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the Site Restoration Plan is not listed below, describe it in the space provided after "Other".

BMP	Function(s)	Volume of stormwater treated	Acres treated
Bio-infiltration areas	Infiltration/Recharge		
☐ Infiltration Trench		_____	_____
☐ Infiltration Bed		_____	_____
☐ Infiltrated Basin		_____	_____
Natural Area Conservation	Infiltration/Recharge		
☐ Streamside Buffer Zone		_____	_____
☐ Wetland Buffer Zone		_____	_____
☐ Sensitive Area Buffer Zone		_____	_____
☐ Pre-Construction Drainage Pattern Intact		_____	_____
Stormwater Retention	Detention/Retention		
☐ Constructed Wetlands		_____	_____
☐ Wet Ponds		_____	_____
☐ Retention Basin		_____	_____
Sediment and Pollutant Removal	Water Quality Treatment		
☐ Vegetated Filter Strips		_____	_____
☐ Compost Filter Sock		_____	_____
☐ Detention Basins		_____	_____

Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Infiltration Berm	Infiltration/Recharge	_____ _____ _____ 1,642 cubic feet	_____ _____ _____ 0.830

5. Off-site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☐ Yes ☒ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge.

The Applicant must provide a demonstration in both the E&S and PCSM Plans that the discharge will not cause erosion, damage, or nuisance to off-site properties.

6. Thermal Impact Analysis.

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

7. Critical PCSM Plan stages.

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

3. SUMMARY TABLE FOR SUPPORTING CALCULATION AND MEASUREMENT DATA
See Attachment D in the Instructions on how to Complete This Section

Watershed Name: Creek Road - Cumberland County

Design storm frequency 2-yr Rainfall amount 2.82 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.14	0.14
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.064	0.078	0.014
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.050	-0.014
Stormwater discharge rate for the design frequency storm			
1) 2-Year/24-Hour	2.510 cfs	2.280 cfs	-0.230 cfs
2) 10-Year/24-Hour	5.196 cfs	4.953 cfs	-0.243 cfs
3) 50-year/24-Hour	9.506 cfs	9.308 cfs	-0.198 cfs
4) 100-year/24-Hour	12.05 cfs	11.69 cfs	- 0.36 cfs

4. SUMMARY DESCRIPTION OF POST CONSTRUCTION STORMWATER BMPs

In the lists below, check the BMPs identified in the Post Construction Stormwater Management Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the Site Restoration Plan is not listed below, describe it in the space provided after "Other".

BMP	Function(s)	Volume of stormwater treated	Acres treated
Bio-infiltration areas	Infiltration/Recharge		
☐ Infiltration Trench		_____	_____
☐ Infiltration Bed		_____	_____
☐ Infiltrated Basin		_____	_____
Natural Area Conservation	Infiltration/Recharge		
☐ Streamside Buffer Zone		_____	_____
☐ Wetland Buffer Zone		_____	_____
☐ Sensitive Area Buffer Zone		_____	_____
☐ Pre-Construction Drainage Pattern Intact		_____	_____
Stormwater Retention	Detention/Retention		
☐ Constructed Wetlands		_____	_____
☐ Wet Ponds		_____	_____
☐ Retention Basin		_____	_____
Sediment and Pollutant Removal	Water Quality Treatment		
☐ Vegetated Filter Strips		_____	_____
☐ Compost Filter Sock		_____	_____
☐ Detention Basins		_____	_____

Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Slow Release Concept	Infiltration/Recharge	_____ _____ _____ 1,215 cubic feet	_____ _____ _____ 0.330

5. Off-site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☐ Yes ☒ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge.

The Applicant must provide a demonstration in both the E&S and PCSM Plans that the discharge will not cause erosion, damage, or nuisance to off-site properties.

6. Thermal Impact Analysis.

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

7. Critical PCSM Plan stages.

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

3. SUMMARY TABLE FOR SUPPORTING CALCULATION AND MEASUREMENT DATA
See Attachment D in the Instructions on how to Complete This Section

Watershed Name: Gates Road - Dauphin County

Design storm frequency 2-yr Rainfall amount 2.97 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.13	0.13
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.020	0.034	0.014
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.015	-0.005
Stormwater discharge rate for the design frequency storm			
1) 2-Year/24-Hour	0.471 cfs	0.358 cfs	-0.113 cfs
2) 10-Year/24-Hour	2.571 cfs	1.973 cfs	-0.598 cfs
3) 50-year/24-Hour	6.376 cfs	5.370 cfs	-1.006 cfs
4) 100-year/24-Hour	8.660 cfs	7.514 cfs	-1.146 cfs

4. SUMMARY DESCRIPTION OF POST CONSTRUCTION STORMWATER BMPs

In the lists below, check the BMPs identified in the Post Construction Stormwater Management Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the Site Restoration Plan is not listed below, describe it in the space provided after "Other".

BMP	Function(s)	Volume of stormwater treated	Acres treated
Bio-infiltration areas	Infiltration/Recharge		
☐ Infiltration Trench		_____	_____
☐ Infiltration Bed		_____	_____
☐ Infiltrated Basin		_____	_____
Natural Area Conservation	Infiltration/Recharge		
☐ Streamside Buffer Zone		_____	_____
☐ Wetland Buffer Zone		_____	_____
☐ Sensitive Area Buffer Zone		_____	_____
☐ Pre-Construction Drainage Pattern Intact		_____	_____
Stormwater Retention	Detention/Retention		
☐ Constructed Wetlands		_____	_____
☐ Wet Ponds		_____	_____
☐ Retention Basin		_____	_____
Sediment and Pollutant Removal	Water Quality Treatment		
☐ Vegetated Filter Strips		_____	_____
☐ Compost Filter Sock		_____	_____
☐ Detention Basins		_____	_____

Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Infiltration Berm	Infiltration/Recharge	_____ _____ _____ 811 cubic feet	_____ _____ _____ 0.490

5. Off-site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☐ Yes ☒ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge.

The Applicant must provide a demonstration in both the E&S and PCSM Plans that the discharge will not cause erosion, damage, or nuisance to off-site properties.

6. Thermal Impact Analysis.

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

7. Critical PCSM Plan stages.

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.