# APPENDIX C-2:

# SWM SITE PLAN CHECKLIST

Project:

Municipality:

Engineer:

Submittal No:

Date:

Project ID: (for Municipal use ONLY)

SECTION I: REGULATED ACTIVITIES

Reference: Section 105

1. Is the Proposed Project within the Neshaminy Creek watershed? [ ]  Yes [ ]  No
2. Does the Proposed Project meet the definition of a “Regulated Activity”? [ ]  Yes [ ]  No

**STOP** – If you have checked NO for either of the above questions, you are not required to submit a Stormwater Management Plan under the Neshaminy Creek Stormwater management Ordinance.

SECTION II: EXEMPTION

Reference: Section 106

1. Does the regulated activity create an Impervious Surface less than or equal to 1,000 square feet? [ ]  Yes [ ]  No
2. Does the regulated activity create an Impervious Surface greater than 1,000 square feet but less than 5,000 square feet? [ ]  Yes [ ]  No
3. Does the regulated activity involve an Agricultural Activity? [ ]  Yes [ ]  No
4. Does the regulated activity involve Forest Management or Timber Operations? [ ]  Yes [ ]  No

Parcel IS Exempt from the SWM Site Plan and Peak Rate Control [ ]  Yes [ ]  No

Parcel IS Exempt from Peak Rate Control [ ]  Yes [ ]  No

Parcel IS NOT Exempt [ ]  Yes [ ]  No

SECTION III: VOLUME CONTROLS

Reference: Section 303

1. **Site Disturbance Minimization**
2. Has an Existing Resource and Site Analysis Map (ERSAM)been prepared?

[ ]  Yes [ ]  No, Explain

1. Are any of the following environmentally sensitive areas identified on site?

|  |  |
| --- | --- |
| Steep Slopes | [ ]  Yes [ ]  No [ ]  Unknown |
| Ponds / Lakes / Vernal Pools | [ ]  Yes [ ]  No [ ]  Unknown |
| Streams | [ ]  Yes [ ]  No [ ]  Unknown |
| Wetlands | [ ]  Yes [ ]  No [ ]  Unknown |
| Hydric Soils | [ ]  Yes [ ]  No [ ]  Unknown |
| Flood plains | [ ]  Yes [ ]  No [ ]  Unknown |
| Stream Buffer Zones | [ ]  Yes [ ]  No [ ]  Unknown |
| Hydrologic Soil Groups A or B | [ ]  Yes [ ]  No [ ]  Unknown |
| Recharge Areas | [ ]  Yes [ ]  No [ ]  Unknown |
| Others:  | [ ]  Yes [ ]  No [ ]  Unknown |

1. Does the site layout plan avoid environmentally sensitive areas identified on site?

[ ]  Yes [ ]  No, Explain

1. **Post-development Runoff Volume Control**
2. What method is used to calculate the required volume control?

[ ] Design-storm method (any site) [ ] Simplified method (only sites of 1 acre or less)

1. What is the level of runoff volume (ft3) required to be controlled from the post-development site? \_\_\_\_\_\_\_\_\_\_(ft3)
2. **Stormwater runoff control measures**
3. What is the level of runoff volume (ft3) controlled through nonstructural BMP’s? \_\_\_\_\_\_\_\_\_(ft3)
4. What is the level of runoff volume (ft3) controlled through structural BMP’s? \_\_\_\_\_\_\_\_\_(ft3)
5. Have provisions been installed to promote infiltration on site?

[ ]  Yes [ ]  No, Explain

1. Have provisions been installed to promote evapotranspiration, capture or reuse on site?

[ ]  Yes [ ]  No, Explain

SECTION V: PEAK RATES

Reference: Section 304

1. In which of the following Storm Water Management District(s) is the site located?

|  |  |
| --- | --- |
| [ ]  | A |
| [ ]  | B |

1. Does the Proposed Conditions Runoff meet the Criteria established in Table 304.1?

[ ]  Yes [ ]  No, if you answered Yes proceed to Section VI.

SECTION VI: CALCULATION METHODOLOGY

Reference: Section 305 and Ordinance Appendix B

1. Which method(s) are utilized in the site stormwater management plan for computing stormwater runoff rates and volumes?

|  |  |  |  |
| --- | --- | --- | --- |
| [ ]  | TR-20 | [ ]  | PSRM |
| [ ]  | TR-55 | [ ]  | Rational Method |
| [ ]  | HEC-1 / HEC-HMS | [ ]  | Other: |

1. Was Table B-1 or Figure B-1 utilized in rainfall determination?

[ ]  Yes [ ]  No, Explain

1. Was Table B-4 (Runoff Curve Numbers) or Table B-7 (Rational Runoff Coefficients) utilized in calculations for runoff?

[ ]  Yes [ ]  No, Explain

SECTION IX: OTHER REQUIREMENTS

Reference: Section 306

1. Is the proposed activity considered a “Stormwater hotspot” as defined in Ordinance Appendix G?

[ ]  Yes [ ]  No, If yes, what pre-treatment BMP’s are planned?

1. Have proposed wet detention basins incorporated biologic control consistent with the West Nile Virus Guidelines presented in Ordinance Appendix G?

[ ]  Yes [ ]  No [ ]  Not Applicable

SECTION X: FACILITY OPERATION AND MAINTENANCE PLAN

Reference: Section 702

1. Has a Stormwater Control and BMP Operations and Maintenance Plan been approved by the Municipality?

[ ]  Yes [ ]  No, Explain

1. Who shall assume responsibility for implementing the Stormwater Control and BMP Operations and Maintenance Plan?

|  |  |  |  |
| --- | --- | --- | --- |
| [ ]  | Municipality | [ ]  | Homeowner Association |
| [ ]  | Private Owner | [ ]  | Other |

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