Stormwater Management Plan Review Checklist

Project Name:
Reviewed by:
Date:

Stormwater Pollution Prevention Plan (SWPPP)

Permit Application:

— Yes No Is site over 1 acre? If so, MDNR permit and SWPPP is required
— Yes No Is O&M Manual for Post- Construction Water Quality provided?
— Yes No Application completely filled out and signed

Narrative:

— Yes No N/A - Cover sheet filled out with estimated project dates
— Yes No N/A - Contact information and responsible parties
— Yes No N/A - Project site information
— Yes No N/A - Discharge information
— Yes No N/A - Description and size of construction project
— Yes No N/A - Sequence of construction
— Yes No N/A - Allowable stormwater discharges
— Yes No N/A - Documentation of compliance with other federal requirements
— Yes No N/A - Erosion and sediment controls
— Yes No N/A - Pollution prevention standards
— Yes No N/A - Inspection and corrective action
Comments:

Plans:

— Yes No N/A - Location map shown
— Yes No N/A - Floodplain note
— Yes No N/A - Limits of disturbance shown
— Yes No N/A - Stormwater outflow noted with receiving stream called out
— Yes No N/A - Construction exit shown
— Yes No N/A - Site Notice Sign location shown
— Yes No N/A - Laydown area shown
— Yes No N/A - Perimeter controls appropriately selected and located
— Yes No N/A - Inlet protection BMPs appropriately selected and located
— Yes No N/A - Detail shown for every BMP used on site.
— Yes No N/A - Drainage area is over 10 acres? Sediment basins provided

Comments:

Stormwater Management System Design Calculations

— Yes No N/A - Design storms evaluated for the 10-Yr and 25-Yr per Section 23-8(2)(b)
— Yes No N/A - Water Quality Calculation – Per Standard Specifications Section 206, page S-13 or S-14
Comments:

Classification:
Stormwater Management Plan Review
Checklist Page 1/4

—	Yes	No	N/A - Less than 25 acres: Rational Method per Section 23-10 (1)
—	Yes	No	N/A - 25 to 200 acres: Technical Release 55 per Section 23-10 (1)
—	Yes	No	N/A - Over 200 acres: Technical Release 55 per Section 23-10 (1)

Maximize allowable release rate of stormwater:

—	Yes	No	N/A - Post- Development 25-year storm shall have release rate of Pre-Development 10-year storm per Section 23-8(2)(b)
—	Yes	No	N/A - Calculate release rate based on total drainage area
—	Yes	No	N/A - Storage volume based on project area only
—	Yes	No	N/A - Storage volume for diff. between the Pre-Dev 10-year 30-min storm and Post-Dev 25-year 30-minute storm per Section 23-10(6)(a)
—	Yes	No	N/A - Runoff Controlled within each watershed (Determine Drainage Areas & Insure no increase of flow to any drainage areas)
—	Yes	No	N/A - Display all downspouts to ensure Runoff is Controlled & ensure the volume is treated for Water Quality.
—	Yes	No	N/A - Emergency overflow facilities for 100-year storm capacity per Section 23-10(6)(d)

Comments:

Dry detention facilities:

—	Yes	No	N/A - 20'-0" perimeter maintenance easement for public basin only per Section 23-10(7)(a).
—	Yes	No	N/A - Maximum 3:1 slope per Section 23-10(7)(b)
—	Yes	No	N/A - Maximum pond limits: < 25'-0" hor. and < 2'-0" vert. from lowest building sill elevation per Section 23-10(7)(e)
—	Yes	No	N/A - Fully paved flow channels prohibited. Allowed: turf, aggregate,

Comments:

Wet detention facilities:

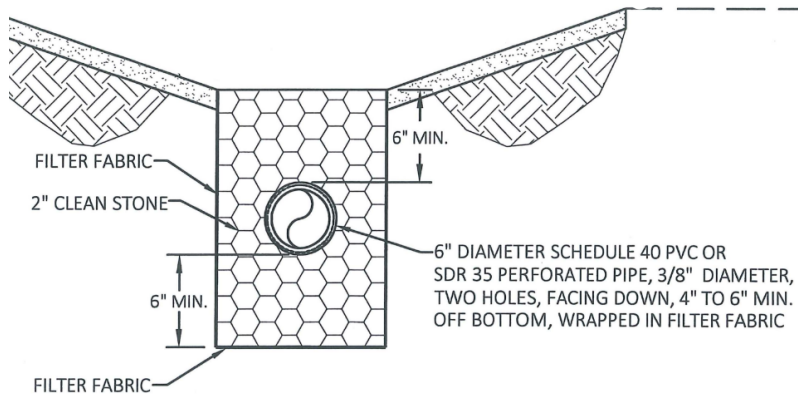|			
—	Yes	No	N/A - 20'-0" perimeter maintenance easement for public basin only per Section 23-10(8)(a)
—	Yes	No	N/A - Maximum 3:1 slope per Section 23-10(8)(c)
—	Yes	No	N/A - Control elevation ≥ 2'-6" below minimum road centerline elevation per Section 23-10(8)(b)
—	Yes	No	N/A - Provide maintenance plans per Section 23-12
—	Yes	No	N/A - Maximum pond limits: < 30'-0" hor. and < 2'-0" vert. from lowest building sill elevation per Section 23-10(8)(f)

Comments:

Underground Storage:

—	Yes	No	N/A - Inlet/outlet device details and locations per Section 23-10(9)
—	Yes	No	N/A - Emergency overflow provisions per Section 23-10(9)

Comments:

Infiltration Trench (Section 206 – Infiltration Trench):

—   Yes   No   N/A - Water Quality Equation
—   Yes   No   N/A - Surface Area of Aggregate Equation or Infiltration Trench Sizing Chart
—   Yes   No   N/A - Infiltration Trench shall be 2' wide per City Standard Infiltration Trench Drawing
—   Yes   No   N/A - Provide City Standard Infiltration Trench Drawing in details.
—   Yes   No   N/A -

FILTER FABRIC
2" CLEAN STONE
6" MIN.
6" MIN.
FILTER FABRIC
6" DIAMETER SCHEDULE 40 PVC OR SDR 35 PERFORATED PIPE, 3/8" DIAMETER, TWO HOLES, FACING DOWN, 4" TO 6" MIN. OFF BOTTOM, WRAPPED IN FILTER FABRIC

Comments:

Developments adjoining floodplain for 100-year flood:

—   Yes   No   N/A - Indicate floodplain and floodway per Section 23-10(11)(a)
Comments:

Channel modifications:

—   Yes   No   N/A - Channels not altered to reduce flow per Section 23-10(12)
—   Yes   No   N/A - Cross sections of existing and proposed channel per Section 23-10(13)(a)
—   Yes   No   N/A - Plan indicating existing constructions and obstructions per Section 23-10(13)(b)
—   Yes   No   N/A - Hydrographs and/or flood routing calculations and backwater curve profiles of proposed waterway for 100-year storm per Section 23-10(13)(c)
—   Yes   No   N/A - Engineering evaluation and provisions for eliminating upstream and downstream adverse impacts per Section 23-10(13)(d)
—   Yes   No   N/A - Minimum floor elevations determined by FEMA FIRM map or backwater curve profiles for 100-year storm per Section 23-10(13)(e)
—   Yes   No   N/A - Plan indicating areas reserved for flood routing, detention or storage, including restrictions, dedications and maintenance responsibilities per Section 23-10(13)(f)
Comments:

Inlets and Junction Boxes:

—   Yes   No   N/A - Spaced per City Standards per Section 23-10(3)
—   Yes   No   N/A - Blocked inlets in sump: 100-year design event shall not cause buildings to flood per Section 23-10(3)
—   Yes   No   N/A - Provide storm sewer calculations per Section 23-6(7)(f)
Comments:

Development within a Floodplain

Detention Storage within floodplain:

—	Yes	No	N/A - Net increase of storage volume above existing credited to development
—	Yes	No	N/A - No credit for volumes below regulatory flood elevation
—	Yes	No	N/A - Detention Within Floodplain: Storage below BFE may not be counted towards the detention basin size per Section 23-10(14)

Comments:

Manholes within floodplain, street for detention, or area designed for floodwater or stormwater:

—	Yes	No	N/A - Watertight bolted manhole cover,
—	Yes	No	N/A - Watertight bolted concealed pick-hole cover, or
—	Yes	No	N/A - Rim elevation at/above 100-year flood.

Comments:

General Comments: