

Planning & Development Dept. – Infrastructure Division
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www.cityofrockhill.com



Date Received: _____

CRH Plan Review # _____

Stormwater Mitigation Worksheet

Project Name/Phase: _____ Date: _____

Instructions:

*Insert worksheet into the Stormwater (SWPPP) Report, after Narrative.
Include a separate worksheet for each stage of construction, as applicable.
Summary and defining parameters shall be provided for each **DB** (detention basin) **PLPD** or **AP**
(property line point of discharge or analysis point), pre and post-development, and correspond with the report maps
and calculations.
Stormwater (SWPPP) Report must include page numbers for reference.*

Construction Stage: Erosion Control (initial stage) Post Construction (final stage)

SCS Type II Distribution: 6-HR 24-HR

Receiving Watershed or Waterbody: _____

Stormwater Analysis Model Node Diagram Attached (with corresponding labels)

List all DB and/or PLPD or AP's:

Label	Description & Location
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Check here if a detention waiver is requested for any, or all PLPD's. Detention waivers must be in accordance with Article 2-300 of the Rock Hill Zoning Code and shall include a Detention Waiver Worksheet. List applicable PLPD's: _____

South Carolina Certificate of Authorization

Engineer's Seal & Signature

DB – (PLPD, as applicable): _____ Summary Table Report Page # Ref. _____

Storm	Pre-Dev. (Inflow)	Post-Dev. (Inflow)	Post-Dev. (Routed)	Elevation	Volume
2-yr	_____ cfs	_____ cfs	_____ cfs	_____ ft.	_____ ac-ft
10-yr	_____ cfs	_____ cfs	_____ cfs	_____ ft.	_____ ac-ft
25-yr	_____ cfs	_____ cfs	_____ cfs	_____ ft.	_____ ac-ft
100-yr	_____ cfs	_____ cfs	_____ cfs	_____ ft.	_____ ac-ft

Top of Dam: Elev. _____ ft., Area _____ acres, Volume _____ ac-ft Spillway: Elev. _____ ft., Volume _____ ac-ft

Permanent WQ (water quality) BMP Type(s):

___ Wet Basin ___ Dry Basin ___ Level Spreader/Veg. Filter Strip ___ Sand Filter ___ Prefabricated Device
___ Other _____

WQ Volume Requirements:

Dry Basins and other BMP's - (1" x contributing drainage area): 0.0833 ft x _____ acres = _____ ac-ft
Wet Basins (1/2" x contributing drainage area): 0.0417 ft x _____ acres = _____ ac-ft
Wet Basin Mosquito Prevention Measure: _____
Basin Elevation for Volume Requirement: _____ ft

DB – (PLPD, as applicable): _____ Summary Table Report Page # Ref. _____

Storm	Pre-Dev. (Inflow)	Post-Dev. (Inflow)	Post-Dev. (Routed)	Elevation	Volume
2-yr	_____ cfs	_____ cfs	_____ cfs	_____ ft.	_____ ac-ft
10-yr	_____ cfs	_____ cfs	_____ cfs	_____ ft.	_____ ac-ft
25-yr	_____ cfs	_____ cfs	_____ cfs	_____ ft.	_____ ac-ft
100-yr	_____ cfs	_____ cfs	_____ cfs	_____ ft.	_____ ac-ft

Top of Dam: Elev. _____ ft., Area _____ acres, Volume _____ ac-ft Spillway: Elev. _____ ft., Volume _____ ac-ft

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100-yr	_____ cfs	_____ cfs	_____ cfs	_____ ft.	_____ ac-ft

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Wet Basins (1/2" x contributing drainage area): 0.0417 ft x _____ acres = _____ ac-ft
Wet Basin Mosquito Prevention Measure: _____

Attach additional DB Summary Tables, as required.

PLPD or AP: _____ **Summary Table** *Report Page # Ref.* _____

Storm	Pre-Dev. (flow)	Post-Dev. (flow)	Water Surface Elev.
2-yr	_____ cfs	_____ cfs	_____ ft.
10-yr	_____ cfs	_____ cfs	_____ ft.
25-yr	_____ cfs	_____ cfs	_____ ft.
100-yr	_____ cfs	_____ cfs	_____ ft.

Description of Analysis Point: _____

Permanent WQ (water quality) BMP Type(s): ___ Wet Basin ___ Dry Basin ___ Level Spreader/Veg. Filter Strip
___ Sand Filter ___ Prefabricated Device ___ Other _____ or ___ N/A

WQ Volume Requirements:

Dry Basins and other BMP's - (1" x contributing drainage area): 0.0833 ft x _____ acres = _____ ac-ft
Wet Basins (1/2" x contributing drainage area): 0.0417 ft x _____ acres = _____ ac-ft
Wet Basin Mosquito Prevention Measure: _____

PLPD or AP: _____ **Summary Table** *Report Page # Ref.* _____

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25-yr	_____ cfs	_____ cfs	_____ ft.
100-yr	_____ cfs	_____ cfs	_____ ft.

Description of Analysis Point: _____

Permanent WQ (water quality) BMP Type(s): ___ Wet Basin ___ Dry Basin ___ Level Spreader/Veg. Filter Strip
___ Sand Filter ___ Prefabricated Device ___ Other _____ or ___ N/A

WQ Volume Requirements:

Dry Basins and other BMP's - (1" x contributing drainage area): 0.0833 ft x _____ acres = _____ ac-ft
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Wet Basin Mosquito Prevention Measure: _____

PLPD or AP: _____ **Summary Table** *Report Page # Ref.* _____

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Description of Analysis Point: _____

Permanent WQ (water quality) BMP Type(s):

Wet Basin Dry Basin Level Spreader/Veg. Filter Strip Sand Filter Prefabricated Device
 Other _____ or N/A

WQ Volume Requirements:

Dry Basins and other BMP's - (1" x contributing drainage area): 0.0833 ft x _____ acres = _____ ac-ft

Wet Basins (1/2" x contributing drainage area): 0.0417 ft x _____ acres = _____ ac-ft

Wet Basin Mosquito Prevention Measure: _____

Attach additional PLPD/AP Summary Tables, as required.

DB, PLPD or AP: _____ Summary of Sub-Basin Parameters

Include all page number references for corresponding Stormwater Report calculations.

Hydrologic Soil Group (contributing area) - % of each: A B C D - pg # _____

Downstream Limiting Factors: _____

	Pre-Development	Post-Development
Total Basin Area:	_____ acres	_____ acres
Sub-Basin Designation:	_____	_____
Sub-Basin Area:	_____ acres	_____ acres
CN (curve number):	_____ - pg # _____	_____ - pg # _____
Tc (time of concentration):	_____ min. - pg # _____	_____ min. - pg # _____
Sub-Basin Designation:	_____	_____
Sub-Basin Area:	_____ acres	_____ acres
CN (curve number):	_____ - pg # _____	_____ - pg # _____
Tc (time of concentration):	_____ min. - pg # _____	_____ min. - pg # _____
Sub-Basin Designation:	_____	_____
Sub-Basin Area:	_____ acres	_____ acres
CN (curve number):	_____ - pg # _____	_____ - pg # _____
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Sub-Basin Area:	_____ acres	_____ acres
CN (curve number):	_____ - pg # _____	_____ - pg # _____
Tc (time of concentration):	_____ min. - pg # _____	_____ min. - pg # _____
Sub-Basin Designation:	_____	_____
Sub-Basin Area:	_____ acres	_____ acres
CN (curve number):	_____ - pg # _____	_____ - pg # _____
Tc (time of concentration):	_____ min. - pg # _____	_____ min. - pg # _____

Sub-Basin Designation: _____
Sub-Basin Area: _____ acres _____ acres
CN (curve number): _____ - pg # _____ - pg # _____
Tc (time of concentration): _____ min. - pg # _____ min. - pg # _____

Attach additional Sub-Basin Summaries, as required.