Project Name

Post-Construction Stormwater Management Plan

Date:

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1.0 SITE & APPLICANT INFORMATION

APPLICANT:

CONTACT NAME:

CONTACT ADDRESS:

PHONE #:

EMAIL:

SITE ADDRESS:

SUBDIVISION, LOT, & BLOCK:

1.1 PROJECT BACKGROUND & DESCRIPTION

Write a brief description of the project including a summary of the proposed improvements and final use, location and significant existing features

PROJECT SIZE:

IMPERVIOUS SURFACE CREATED:

2.0 RECOMMENDATIONS FOR THE PROJECT AREA

Table 2-1 – *Post-Construction Recommendations Summary*

Block #	*Lot #*	*Pervious CN*	*% Impervious*

Table 2-2 – *Existing Conditions & Post-Construction Runoff Summary*

Point of Analysis	*Existing Conditions Flow (cfs)*	*Post-Construction Flow (cfs)*	*Existing Conditions Volume (Acre-Ft)*	*Post-Construction Volume (Acre-Ft)*

2.1 DESCRIPTION OF EASEMENTS

2.2 INTER-LOT DRAINAGE REQUIREMENTS

2.3 REQUIRED POST-CONSTRUCTION STORMWATER BMPS

2.4 ADDITIONAL PROJECT RECOMMENDATIONS

3.0 PROJECT STORMWATER MANAGEMENT SUMMARY

3.1 DESCRIPTION OF POINT(S) OF ANALYSIS (IF APPLICABLE)

Provide a description of the point of analysis and if applicable why it is not the same location as the Project Point of Discharge.

3.2 DESCRIPTION OF POINT(S) OF DISCHARGE

Provide a description of where the proposed project will connect to the Public Storm Sewer System. If there is not a direct adjacent connection, describe what easements the applicant must obtain to reach the Public Storm Sewer System.

3.3 DESCRIPTION OF EXISTING STORMWATER FEATURES

Provide a narrative of the existing post-construction stormwater BMPs including peak flow mitigation, water quality, storm sewer, culverts, and open channels.

3.4 DESCRIPTION OF EXISTING WETLANDS

Note wetland areas that are shown on NWI or aerial photography. Provide documentation that a USACE 404 permit is not require for the project or state that the applicable permit will be obtained prior to the start of construction.

3.5 FEMA FIRM

Identify FIRM panel and 100-year WSE if applicable.

3.6 NRCS SOIL TYPES

Provide the NRCS soil types and HSG, note any soils that are listed as being hydric.

3.7 DESCRIPTION OF POST-CONSTRUCTION RUNOFF MANAGEMENT

Provide a summary of how post-construction stormwater will be managed to meet the Peak Flow, Water Quality, and Drainage & Conveyance performance standards included in the SWDSM.

4.0 HYDROLOGIC ANALYSIS SUMMARY

4.1 DESCRIPTION OF EXISTING ZONING & LAND USE

Provide a summary by (sub)catchment, reference the applicable figure and modeling schematic/

4.2 EXISTING CONDITIONS POINT OF ANALYSIS SUMMARY

Table 4-1 – *Existing Conditions Point of Analysis Summary*

	Point(s) of Analysis		
	1	***2***	***3***
Tributary Area (on-site & off-site)			
Impervious Area			
Impervious CN			
Pervious Area			
Pervious CN			
Tc (minutes)			

4.3 DESCRIPTION OF POST-CONSTRUCTION ZONING & LAND USE

Provide a summary by (sub)catchment, reference the applicable figure and modeling schematic/

4.4 POST-CONSTRUCTION POINT OF ANALYSIS SUMMARY

Table 4-2 – *Post-Construction Point of Analysis Summary*

	Point(s) of Analysis		
	1	***2***	***3***
Tributary Area (on-site & off-site)			
Impervious Area			
Impervious CN			
Pervious Area			
Pervious CN			
Tc (minutes)			

4.5 HYDROLOGIC ANALYSIS CONSIDERATIONS

(Does the project safely pass the 100-year 24-hour event, potential impact of future development upstream, recommendations, etc.)

5.0 POST-CONSTRUCTION STORMWATER MANAGEMENT BMPS

5.1 POST-CONSTRUCTION PEAK FLOW COMPLIANCE BMP

5.1.1 ENGINEERED OUTLETS

Table 5-1 – *Engineered Outlet Summary*

Outlet Size		
Upstream Invert		
Downstream Invert		
Outlet Velocity and Depth		
2-Year Event	ft/sec	ft
5-Year Event	ft/sec	ft
10-Year Event	ft/sec	ft
100-Year Event	ft/sec	ft
Maximum Basin Storage		
Pervious CN		
Tc (minutes)		
Stage/Storage/Discharge Location		
Calculated Water Surface Elevation		
2-Year Event		
5-Year Event		
10-Year Event		
100-Year Event		

5.1.2 EMERGENCY SPILLWAY AND UNCONTROLLED OVERFLOWS

5.2 POST-CONSTRUCTION WATER QUALITY COMPLIANCE BMP

5.2.1 WET DETENTION BASINS

Table 5-2 – *Wet Detention Basin*

Required Water Quality Volume (Vwqreq)	
Proposed Water Quality Depth	
Calculated Drawdown Time	
Stage/Storage/Discharge Location	

5.2.2 DRY DETENTION BASINS

Table 5-3 – *Dry Detention Basin*

Required Water Quality Volume (Vwqreq)	
Proposed Water Quality Depth	
Calculated Drawdown Time	
Stage/Storage/Discharge Location	

5.2.3 INFILTRATION

Table 5-4 – *Infiltration Basin*

Required Water Quality Volume (Vwqreq)	
Proposed Water Quality Depth	
Calculated Infiltration Time	
Stage/Storage/Discharge Location	

5.2.4 ALTERNATIVE BMP METHOD REQUIREMENTS

5.3 POST-CONSTRUCTION DRAINAGE & CONVEYANCE BMPS

5.3.1 STREETS

Table 5-5 – *Streets Summary*

Street Classification	
Critical Design Grade	
Calculated Maximum Street Flow Depth	
Maximum Encroachment	

5.3.2 STORM SEWER

5.3.3 CULVERTS

5.3.4 OPEN CHANNELS

5.4 POST-CONSTRUCTION BMP OPERATION AND MAINTENANCE

(Identify parties responsible for the operation and maintenance of the post-construction stormwater structural and non-structural BMPs)

6.0 CONSTRUCTION SCHEDULE & PHASING

6.1 DESCRIPTION

(Describe construction phases and the necessary future submittals and approvals as required by the SWDSM)

Table 6-1 – *Future PCSMP Application Materials*

Application Material	*Approximate Timing*
Basis of Design Report	
Construction Plans	
Geotechnical Report	
Certification Report	

7.0 ENGINEER'S STATEMENT OF COMPLIANCE & SEAL

8.0 ATTACHMENTS