Bismarck

Engineering Department
City of Bismarck
221 N. 5th Street
P.O. Box 5503
Bismarck, ND 58506
701-355-1505
(Complete all applicable items)

Certification Report
SM-07

For Office Use Only:
Date Received: _____
TRAKiT #: _____

Project Information:

Site Address: _____

Description of Work: _____

Lot & Block Number: **Subdivision (if applicable):**

Contact Information:

PERMITTEE: _____   Phone: _____   Fax: _____

Contact Name: _____   Email: _____

Mailing Address: _____   State _____   Zip Code _____

DESIGN ENGINEER: _____   Phone: _____   Fax: _____

Mailing Address: _____   State _____   Zip Code _____

CERTIFYING ENGINEER: _____   Phone: _____   Fax: _____

Contact Name: _____   Email: _____

Mailing Address: _____   State _____   Zip Code _____

Summary of Site Conditions

The purpose of this summary is to provide a brief comparison of the Basis of Design Post-Construction pervious and impervious areas utilized in the As-Constructed pervious and impervious areas.

	Pervious Area (square feet)	Impervious Area (square feet)	Total Area (square feet)
Basis of Design Post-Construction			
As-Constructed Conditions			
Change in Area (+/-)			

Certification Report Requirements

The Certification Report is to provide documentation that the installed post-construction BMP will function as described in the approved SWMP and/or Basis of Design Reports. The Certifying Engineer is to provide the information listed below and provide a statement that the project was, or was not, completed consist with the conditions of the PCSMP approval.

Item	Description	Complete	Comment
1.0	**Narrative & Summary Tables**	❑ Yes ❑ N/A	
1.1A	Post-Construction Peak Flow BMP(s) (See Table 1)	❑ Implemented ❑ N/A	
1.1B	Post-Construction Water Quality BMP(s) (See Table 1)	❑ Implemented ❑ N/A	
1.1C	Street Drainage (Provide Updated Streets Summary Table)	❑ Implemented ❑ N/A	
1.1D	Storm Sewer (Summarize Changes in a Narrative)	❑ Implemented ❑ N/A	

(Complete all applicable items)

1.1E	Culverts (See Table 2)	❑ Implemented ❑ N/A	
1.1F	Open Channels (Summarize Changes in a Narrative)	❑ Implemented ❑ N/A	
1.1G	Outlet Protection (Summarize Changed in a Narrative)	❑ Implemented ❑ N/A	
1.2	Final Hydrology & Hydraulics (See Table 3 & Table 4)	❑ Yes ❑ N/A	
2.0	**Statement on Function of Implemented Post-Construction BMPs**	❑ Yes ❑ N/A	
3.0	**Quality Assurance Testing Results**	❑ Yes ❑ N/A	
4.0	**Record Drawings**	❑ Yes ❑ N/A	

Certifying Engineer
All Certification Report materials are to be submitted under the seal and signature of a Professional Engineer registered in the State of North Dakota.

	Yes	**No**	**Page**
Have all items included in the Certification Report been sealed and signed by a Professional Engineer registered in the State of North Dakota?			
Submittal Copies:			
1 PDF Copy Uploaded to TRAKiT			
Application Fee Paid			

Comments:

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Required Summary Tables:

(Note: The Certifying Engineer may reproduce the following tables electronically and attach to this checklist as a summary.)

Table 1: Basin & Outlet Sizing

	Approved			As-Constructed			
	Size	*Invert Elevation*	*Volume (acre-feet)*	*Size*	*Invert Elevation*	*Volume (acre-feet)*	
Outlet 1							❑ N/A
Outlet 2							❑ N/A
Outlet 3							❑ N/A
Outlet 4							❑ N/A
Outlet 5							❑ N/A
Overflow							❑ N/A

Table 2: Culverts

	Approved				As-Constructed				
	Size (inches)	*Length (feet)*	*Upstream Invert*	*Downstream Invert*	*Size (inches)*	*Length (feet)*	*Upstream Invert*	*Downstream Invert*	
Culvert 1									❑ N/A
Culvert 2									❑ N/A
Culvert 3									❑ N/A
Culvert 4									❑ N/A
Culvert 5									❑ N/A

Table 3: Project Post-Construction Hydrologic Modeling Summary – Peak Flows

Storm Event	Peak Flow (cfs) by Point of Analysis					
	Point 1		Point 2		Point 3	
	Approved	*Constructed*	*Approved*	*Constructed*	*Approved*	*Constructed*
2-year 24-hour						
5-year 24-hour						
10-year 24-hour						
100-year 24-hour						

(Complete all applicable items)

Table 4: Project Post-Construction Hydrologic Modeling Summary – Total Volume						
Storm Event	**Total Volume (acre-feet) by Point of Analysis**					
	Point 1		*Point 2*		*Point 3*	
	Approved	*Constructed*	*Approved*	*Constructed*	*Approved*	*Constructed*
2-year 24-hour						
5-year 24-hour						
10-year 24-hour						
100-year 24-hour						

January 1, 2018