

Minimum Control Measures

MCM 1 Public Education and Outreach
5th Grade Environmental Festival 3rd Grade Water Festival
Website Mascot PSA's
Handouts Water Bills Messaging

MCM 2 Public Participation/Involvement
Adopt An Inlet Program Stenciling
Southwest Watershed Project – Public Meetings

MCM 3 Illicit Discharge Detection and Elimination (IDDE)
Collaborative effort
Citizen participation/complaints

Storm Water and Construction Handout

"Wattle The Duck"

Sediment and Erosion Control For New Homeowners

If your new home is like most, the builder did some grading of your lot, removing some or all of the existing vegetation or ground cover. You may have new sod, or you might just have a bare soil yard. When rain falls on exposed soil, it can wash soil away from the land. This runoff can erode bare ground, wash away valuable topsoil and make landscaping more difficult. It also carries soil, nutrients and other pollutants into streets, gutters and ditches, where it then travels untreated to lakes, rivers, streams or wetlands. Polluted runoff can cause excessive growth of weeds and algae in water bodies and reduce recreational opportunities such as swimming and fishing. Sediment-laden runoff can also clog ponds and wetlands and reduce floodwater retention.

Minimum Control Measures

- MCM 4** **Construction Site Runoff Control**
Site Inspections Storm Water Ordinance
2 full time staff/2 summer staff
- MCM 5** **Post Construction Runoff Control**
Trying to be proactive, rather than reactive in this area
Same staff along with Engineering address these issues
- MCM 6** **Pollution Prevention/Good Housekeeping**
City Staff Education
Public Education - Dakota Media Access



Site Inspections

Compliance with ordinance, compliance with erosion and sediment control plan

- Inspection Report
 - Notes taken
 - Photos
 - Follow up with responsible party



Bismarck Engineering Department
STORM WATER MANAGEMENT INSPECTION CHECKLIST

Description of Area Inspected: _____

		STAGE OF CONSTRUCTION		
		Pre-Construction	Rough Grading	Finished Grading
		Cleaning and Grubbing	Building Construction	Final Stabilization
INSPECTION CHECKLIST				
Yes	No	N/A		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have all stripped areas requiring temporary or permanent stabilization been stabilized? Seeded? Yes/No Mistaken? Yes/No Gravelled? Yes/No Other? Yes/No	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are soil stock piles adequately stabilized with seeding and/or sediment trapping measures?	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have sediment trapping facilities been constructed prior to the start of construction?	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are sediment basins installed where needed?	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are finished cut and fill slopes adequately stabilized?	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are on-site channels and outlets adequately stabilized?	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Do all operational storm sewer inlets have adequate inlet protection?	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are soil and mud kept off public roadways at intersections with site access roads?	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have all temporary control structures that are no longer needed been removed?	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have all control structure repairs and sediment removal been performed?	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are downstream properties protected from erosion and sediment from this site?	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has the contractor properly disposed of all construction debris?	




Bismarck, ND - Official Website - Windows Internet Explorer

http://www.bismarck.org/forms.aspx?PID=192

Bismarck Capital City of North Dakota

You are here: Home > Forms

Permit Application: Stormwater Management Plan

Put information here
Permit Application: Storm Water Management Plan

Please complete, submit and print.

Business Information

Name of Business _____
 Name of Contact _____
 Title _____
 Phone Number _____
 Cell Number _____
 Email Address _____
 Mailing Address _____
 City _____
 State _____
 Zip _____



City of Bismarck Overview

Comparing then and now

Population: 61,217
Water Bodies: Hay Creek Missouri River

Past

- Manpower limitations
- Knowledge limitations
- Initial Ordinance

Present

- Designated staff
- Revise Ordinance
- Program Changes
- More awareness

Future

- GIS/Inspections
- Plan Submittal
- Erosion & Sediment Control / SWMP



Old to New

OLD	NEW
<ul style="list-style-type: none"> • SWMP served as Storm Water App • E&SC Plan asked for after approval given • Responsibility of lot/property/site was not well conveyed 	<ul style="list-style-type: none"> • Permit Application • Erosion and Sediment Control Plan • Notice of Intent • Notice of Transfer • Notice of Termination



Erosion & Sediment Control Plan

Phased Detailing



- Stage 1**
 - Initial Rough Grade
- Stage 2**
 - Utility Installations
- Stage 3**
 - Construction Activities
- Stage 4**
 - Permanent BMPs and Landscaping
- Stage 5**
 - Finalization and Stabilization

A phased Erosion and Sediment Control Plan allows for foresight into the site work to be done. This is a living document that can change over time.



Emphasizing Responsibility On Sites

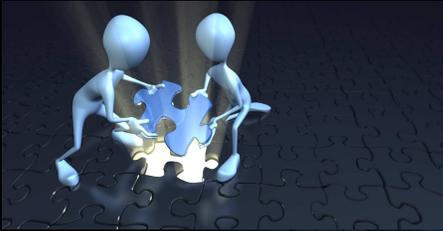


- Notice Of Intent**
 - Mimics State Form – awareness of work starting
- Notice of Transfer**
 - Transfer of responsibility for a site, modified state form slightly
- Notice of Termination**
 - Final stabilization, site responsibility is to final owner



GOALS

- Revised Ordinance passed
- Use of GIS/Inspections integrated
- All inclusive database
 - Maintenance, inspections, IDDE, education, SWPPPs
- Maintain & Increase Awareness

Thank You!

Colleen Peterson
 City of Bismarck
 cjpeterson@nd.gov
 701-355-1734

