



Butte-Silver Bow Public Works Department

FORM #2—CHECKLIST STORM WATER MANAGEMENT PERMIT CHECKLIST (PRE-CONSTRUCTION)

BSB Permit No.:	_____
MDEQ SWPPP No. MTR:	_____
Excavation Permit	<input type="checkbox"/> Yes <input type="checkbox"/> No

NOTE: This form must accompany Form #1—Storm Water Management Permit Application

Site Name/Address: _____

Please check the appropriate box: **I**=Included, **N/A**=Not Applicable (if N/A is checked, an explanation must be entered).

Storm Water Management Requirements	I	N/A	BSB Chk'd
1 Engineer Report Requirements			
A Cover Sheet			
B Table of Contents			
C General			
a Proposed Project Description			
b Physical Address of the Site Where the Work is Proposed (Legal Description, Subdivision Name)			
c Name and Address of Owner			
d Total Project Area			
e Total Disturbed Area			
D Extent of Storm Drainage			
a Location of Storm Water Conveyance System(s) Within 100' of Project (Ditch, Swale, Detention Facility, Storm Drain Inlet, Drywell, Gutter, and Pipe Inlet/Outlet)			
b Describe Existing Conditions Including Structures, Basins, Bypass Areas, Flow Type and Flow Paths, Pervious/Impervious Areas, Slopes, Vegetation/Surface, Soil Type(s), etc.			
c Describe Proposed Developed Conditions Including Structures, Basins, Bypass Areas, Compensatory Areas, Flow Type and Flow Paths, Pervious/Impervious Areas, Slopes, Vegetation/Surface, Source Control, BMPs Runoff Control, Runoff Treatment, etc.			
d Drainage Basin Maps are Provided Which Clearly Label the Following: <ul style="list-style-type: none"> - Existing Basin Boundaries - Existing Time of Concentration Flowpaths for Each Basin - Post-Development Basin Boundaries - Post-Development Time of Concentration Flowpaths for Each Basin - Discharge Location(s) - Receiving Waters Within 200' of Project are Identified 			
e State Runoff Control/Treatment Design Assumptions			
f For Flows That Originate Outside the Project Area, Show That These Flows Will Not Flood Storm Water Facilities			
g For Flows That Originate Within the Project Area, Show Provisions for Detaining or Retaining These Flows			



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Storm Water Management Requirements (Continued)	I	N/A	BSB Chk'd
h Where Storm Drainage is Intended to be Discharged into the Ground, Show Locations of the Wells and Drainfields (Within 200') That May be Impacted, Include Geotechnical or Infiltration Test Report			
i Culvert, Pipe, and/or Ditch System Capacities and Velocities			
j Show Calculations/Figures Required to Support the Design			
k FEMA Floodplains Identified			
l Permits, Easements, Setbacks, and Discharge Agreements			
m Professional Engineers Stamp			
2 Plans			
A General Layout			
a Title			
b Name of Entity Responsible for Maintaining Storm Water Facilities, if Other Than BSB (Note: Must Receive Approval for BSB to Assume Maintenance of Facilities)			
c Scale			
d North Arrow			
e Name of Designer and Date of Design			
f Legible Prints			
g Location, Nature, and Size of Existing Storm Drainage Facilities (If Any)			
h Professional Engineers Stamp			
Drainage Plan Content	I	N/A	BSB Chk'd
1 Plan and Profile of Each Permanent Storm Water Control			
2 Location and Details of Each Permanent Storm Water Control/ Any Proposed Structures			
3 Size, Types, Slope, Invert Elevations, Minimum Cover, and Lengths of all Culverts and Any Proposed Pipes			
4 Location and Details of Any Proposed Detention or Retention Ponds			
5 Invert Elevations, Slopes, and Lengths of Storm Drain Facilities			
6 Location, Size, Length, and Slope of any Proposed Storm Drain Lines			
7 Topographic Map of Existing and Finished Grade Contours at 2-Foot Max Intervals			
8 Direction of Drainage Flow Paths With Slope, Flow Types, Surface Type, and Run Length			
9 Site Property Boundary, Wetlands, Basin/Sub-Basin/By Pass Area, Setbacks, Easements, 2-foot Contours, etc			
Calculations and Design Documentation	I	N/A	BSB Chk'd
1 Hydrology Calculations			
A State Runoff Method Used (Rational, SCS, etc)			



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Calculations and Design Documentation (Continued)	I	N/A	BSB Chk'd
B State Modeling Constants and Assumptions			
C Description of Design Storms (Frequency, Depth, Duration)			
D Existing and Post-Development Land Uses			
E State on Each Figure the Total Area and Amount of Pervious/Impervious Area			
F Existing and Post-Development Peak Runoff Rate for Each Design Storm			
G Existing and Post-Development Runoff Volume for Each Design Storm			
2 Post-Construction BMP Sizing Calculations			
A State Design Requirements (0.5" Requirement, TSS Removal, or Other)			
B Required Permanent Controls Capacities, Flow Rates, and Operating Levels			
C Sizing Calculations with Results			
D A Statement Documenting Compliance with Designs Requirements			
E If 0.5" or TSS Removal Requirements Are Not Met, Provide Documentation Showing the Impracticability of Infiltration, Evapotranspiration, Capture for Reuse, and Treatment			
3 Culvert and Pipe System Capabilities and Outlet Velocities			
4 Ditch Capacities and Velocities			
Additional Information	I	N/A	BSB Chk'd
1 Permits, Easements, Setbacks, and Discharge Agreements			
2 Location of Storm Water Discharge from Project Boundary			
3 Floodplain Maps			
4 Operations and Maintenance Manual for each Permanent Storm Water Control			
A Identify the Owner			
B Identify the Party Responsible for Long-Term O&M			
C A Schedule of Inspection and Maintenance for Routine and Non-Routine Maintenance Tasks to be Conducted			
D Systems Failure and Replacement Criteria to Define the Structure's Performance Requirements			
5 Geotechnical Infiltration Test Report			
6 Specifications			
A Complete, Detailed, Technical Specifications Shall Be Supplied for the Proposed Drainage Project			
B Professional Engineers Stamp			
7 Attachments			
A Form #1—Storm Water Management Permit Application			
B Form #2—Storm Water Management Application Checklist			
C Form #2a—Maintenance Agreement			
D MPDES NOI Confirmation Letter and SWPPP (≥1 ac) or Form #2b—Construction Project Best Management Practice Plan (<1 ac)			

