

DEC 09 2016

University of Montana
 Vice President
 Administration and Finance



Agency Use

MTR04 _____

Date Rec'd _____

Amount Rec'd _____

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Rec'd By _____

FORM
 MS4ReApp

Permittee Reapplication Form
General Permit for Storm Water Discharges Associated with MS4s
MTR040000

This Reapplication Form is to be completed by the owner or operator of a permitted small MS4 that is eligible for coverage under the Montana Department of Environmental Quality's *General Permit for Storm Water Discharges Associated with Small Municipal Separate Storm Sewer Systems (MS4s)*. Please print or type legibly. All items in this reapplication must be completed accurately and in their entirety for the application to be deemed complete. Incomplete reapplications will not be processed until all information is received. An original signature is required. The appropriate fee must accompany submission of this signed reapplication form. Add additional pages only as necessary or per DEQ request. Maintain a copy of the completed reapplication form and any supplemental information submitted for a period of at least three years from the date the reapplication is signed.

DEQ will not accept: (1) Forms submitted as photo copies, faxed copies, pdf copies or emails; (2) Forms that are not legible; (3) Forms not completely or accurately filled out to include responses that exclusively refer back to the General Permit or reference additional documents without the self-explanation required to adequately provide the requested information.

This completed Reapplication Form, the Storm Water Management Program, and appropriate fee must be submitted to:
Montana Department of Environmental Quality
Water Protection Bureau
P.O. Box 200901
Helena, MT 59620-0901

Please read the attached instructions before completing this form. Footnotes throughout this Reapplication Form reference the attached instructions.

Small MS4 Name: **University of Montana - Missoula**

Small MS4 Mailing Address: **32 Campus Drive**

City, State, and Zip Code: **Missoula, MT 59812**

Small MS4 Authorization Number: MTR04 0012

Small MS4 classification⁽¹⁾:

Traditional

Non-Traditional

Reapplication Fee submitted ⁽²⁾ :	Amount \$ 2,000.00	Check No. inter-unit journal MPX71812
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Annual Fees: First year annual fees are submitted with the reapplication fee. Additional annual fee invoices will be sent out by DEQ.

Small MS4 Contact Person (and Title) or Position Title: Associate Director for Engineering and Utilities Paul Trumbley

Mailing Address: 32 Campus Drive

City, State, and Zip Code: Missoula, MT 59812

Phone Number: (406)243-2127 E-mail address: paul.trumbley@umontana.edu

Co-Permittee Reapplication⁽³⁾

Each co-permittee must submit a separate complete reapplication package (including SWMP and fees) to obtain coverage under the 2017 General Permit. Co-permittee responsibilities must be documented within the submitted SWMP.

Is your Small MS4 currently a co-permittee? Yes No

If yes, is the Small MS4 requesting to:	<input type="radio"/> Reapply as co-permittee.	<input type="radio"/> Apply as a permittee and obtain coverage under a new single 2017 General Permit authorization number.
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Small MS4 Description⁽⁴⁾ (narrative):

See Appendix 1 for response.

If more space is needed, submit on an additional page with corresponding reference or on a data storage device.

Resident population within the Small MS4 area: 10,329 student FTE; 2,962 staff FTE

Approximate number of square miles within the Small MS4 area: 0.24

Location of the Small MS4 (narrative) to include geographical details of the MS4:

See Appendix 1 for response.

If more space is needed, submit on an additional page with corresponding reference or on a data storage device.

Description of MS4 storm water discharge location and outfall, the corresponding receiving waterbody name, and the drainage pattern. A list or table may be submitted to organize information.

See Appendix 1 for response.

If more space is needed, submit on an additional page with corresponding reference or on a data storage device.

Attach a hardcopy USGS topographic quadrangle map extending one mile beyond the boundaries of the small MS4. Provide a legend with scale. Label US Census Bureau urbanized area, receiving waterbodies, applicable boundaries (city, town, county, or district), drainage patterns, and outfalls. Review the attached instructions to ensure the map is complete prior to submission⁽⁵⁾.

Requested above map:

Attached

Not Attached

Does the Small MS4 maintain a list of all permits and approvals received or applied for from state or federal regulatory agencies?

Yes

No. If the Small MS4 does not have a list currently, they must compose it upon submission of the Reapplication Form.

The Small MS4 must maintain a list of all state or federal permits applied for and received (or within the bounds of another permitting records management system) and have documents available upon DEQ's request.

Is the Small MS4 applying to renew Authorization Number: MTR04 0012 under the 2017 General Permit for Storm Water Discharge Associated with Small Municipal Separate Storm Sewer System in compliance with or has substantially complied with all terms, conditions, requirements, and schedules of compliance of the 2015 expiring General Permit?

Yes

No

Explain below if answered "No".

If more space is needed, submit on an additional page with corresponding reference or on a data storage device.

Attach the Small MS4 Storm Water Management Program (SWMP) per requirements of Part II in the 2017 Small MS4 General Permit. The SWMP is a comprehensive document inclusive of six minimum control measures: Public Education and Outreach, Public Involvement and Participation, Illicit Discharge Detection & Elimination, Construction Site Storm Water Management, Post-Construction Site Storm Water Management in New Development and Redevelopment, and Pollution Prevention/Good Housekeeping for Permittee Operations.

Identify the person(s)/position title(s) responsible for developing, implementing, enforcing, and/or coordinating the SWMP or portions of the six minimum control measures. These person(s)/position title(s) may change with development of a storm water management team within 60 days of permit issuance.

Parts of the SWMP include staggered development and implementation, and the SWMP submitted will detail MS4 progress towards the 2017 General Permit specified timeframes.

Requested above SWMP: Attached Not Attached

Per Monitoring, Recording, and Reporting Requirements in Part IV (A)(3), the permittee must perform storm water monitoring semi-annually and the results will be submitted to the Department semi-annually. Identify the permittee's monitoring location option:

Identify the permittee's Monitoring Location Option:	<input checked="" type="radio"/> Option 1 (Part IV (A)(3)(a))		<input type="radio"/> Option 2 (Part IV (A)(3)(b))	
	Location	Latitude/Longitude	Location	Latitude/Longitude
	001A	46 51'54.04"N/113 58'49.06"W	001	
	001B	N/A	002	
	002A	46 51'59.23"N/113 59'04.00"W	003	
	002B	N/A	004	

Per Special Requirements in Part III (B), the permittee must inform the Department of its preferred Monitoring Option for Water Quality Controls for Storm Water Discharges to Impaired Waterbodies with Approved TMDL Wasteload Allocations (WLAs).

Identify the permittee's TMDL-Related Monitoring Option: Option 1 (Part III (B)(1)) Option 2 (Part III (B)(2))

Storm Water Discharge Monitoring

I, MTR04 0012, certify that all point source discharges of storm water have been tested or evaluated for the presence of non-storm water discharges (other than potential non-storm water discharges for MS4s listed in ARM 17.30.1111(6)(c)(iii)) that are not covered by a MPDES permit.

Answer this question upon certification: Has storm water sampling and analytical testing been performed (in addition to any required 2015 General Permit benchmark monitoring) to determine and/or evaluate the presence of non-storm water discharges from the Small MS4?

No

Yes. Attach a description of any analytical test method used, the date of the testing, and the on-site drainage points (outfalls) that were sampled. If a contract laboratory or consulting firm performed analyses that generated quantitative data upon which conclusions and resultant determinations are based for regulated point source discharges or storm water and potential pollutant concentrations, the identity of each laboratory or firm and the analyses performed must be provided.

Requested Monitoring Documents:

Attached

Not Attached

Authorized Representative

In order for future reports, including Discharge Monitoring Reports (DMRs), to be signed by anyone other than the signatory for this Reapplication, a duly authorized individual(s) or position(s) must be identified. If one is not designated then all reports must be signed by the signatory until such designation is made in writing. Check the appropriate box.

I designate the Small MS4 Contact Person as a duly authorized individual.

I designate the following duly authorized representative for the 2017 General Permit authorization.

Name and Title, or Position Title: _____

Company Name (if different than the applicant): _____

Mailing Address: _____

City, State, and Zip Code: _____

Phone Number: (____) _____ - _____ E-mail address: _____

No duly authorized representative for the 2017 General Permit is designated at this time.

Shared Responsibility

A Small MS4 may share responsibility to implement the minimum control measures with another entity in order to satisfy their MPDES permit obligations to implement a minimum control measure. Written acceptance of this obligation is required. This obligation must be maintained as part of the description of the permittee's SWMP.

If your Small MS4 is sharing responsibility, does your SWMP document these obligations?

Not applicable

Yes

No

Small MS4 Substantial Changes

Small MS4 Description (narrative) of any substantial changes related to the facility, operations, or discharges occurring since the 2015 General Permit authorization that may affect the quantity or quality of storm water discharges from the Small MS4.

No substantial changes occurred during the 2015 General Permit authorization.

If more space is needed, submit on an additional page with corresponding reference or on a data storage device.

Additional Information Submitted by the Small MS4

Include any additional information the DEQ may find reasonably necessary to evaluate the Reapplication Form. This information should be submitted on additional pages with corresponding reference or on a data storage device.

Additional Information Requested by DEQ

In addition to the information reported on the Reapplication Form, applicants shall provide to DEQ, at its request, such other information as DEQ determines reasonably necessary to assess the discharges of the Small MS4 and to determine whether to authorize the storm water discharge under the 2017 General Permit.

Reapplication Signature

This Reapplication Form must be completed, signed, and certified as follows:

- For a corporation, by a principal officer of at least the level of vice president;
- For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
- For a municipality, state, federal, or other public facility, by either a principal executive officer or ranking elected official.

All Applicants Must Complete the Following Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information; including the possibility of fine and imprisonment for knowing violations [75-5-633, MCA].

Certification of this form indicates conformance with the 2017 General Permit for Storm Water Discharge Associated with Small Municipal Separate Storm Sewer Systems.

Name (Type or Print)

Michael Reid

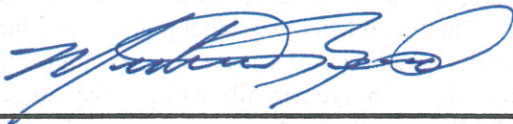
Title (Type or Print)

V.P. of Administration and Finance

Phone Number

406.243.4606

Signature



Date Signed

12/9/16

**Instructions for the
2017 General Permit for Storm Water Discharge Associated with Small MS4s
MTR040000 Reapplication Form**

IMPORTANT: Please print or type legibly. All items in this reapplication must be completed accurately and in their entirety for the application to be deemed complete. Incomplete reapplications will not be processed until all information is received. An original signature is required. The appropriate fee must accompany submission of this signed reapplication form. Add additional pages only as necessary or per DEQ request. Maintain a copy of the completed reapplication form and any supplemental information submitted for a period of at least three years from the date the reapplication is signed.

This completed Reapplication Form, Storm Water Management Program, and appropriate fee must be submitted to Montana Department of Environmental Quality. Forms and additional information on storm water discharges are available from the Water Protection Bureau at (406) 444-3080 or on the DEQ website at: <http://www.deq.mt.gov>

Specific Instructions

1. Reference the 2017 General Permit. The Section titled "Permit Area of Permitted MS4s Under the 2015-Issued General Permit" provides the Small MS4 classification.
2. Reapplication Fee amounts are located in Montana DEQ's Fee Rules (ARM 17.30.201).
3. Reference the 2017 General Permit. The Section titled "Co-permittees Authorizations (New or Continuing Authorizations)" will provide more details regarding co-permitting requirements.
4. Briefly describe the MS4 to include relevant background or history and the basic design such as subsurface pipes, open channel flow, and whether any significant portions of the MS4 discharge into ground water through engineered systems.
5. The boundaries of permit coverage must be indicated. The map must be of sufficient detail so that the exact boundaries, by street or other demarcation, can be determined. The Small MS4 may label political and jurisdictional boundaries. The map must show the city, town, county, or district boundaries or service area, as applicable. Counties must also indicate the unincorporated area boundaries. For any MS4s that are partially within an urbanized area, the location map must show the urbanized area boundaries. Small MS4s may submit multiple maps as long as all requested information is detailed collectively.

Appendix 1 – Narratives responsive to University of Montana’s 2017 MS4 application

The DEQ application that I downloaded on 12/7/16 appears to have some deficiencies in the way that the .pdf form process was implemented. In response boxes where narratives were meant to be inserted, the printed form would only display the first line. Here then are our responses to the narratives:

1. Small MS4 Description (narrative):

- a. The MS4 is serving the Missoula main Campus of the University of Montana. The campus is approximately 155 acres and the storm water system drains 60 acres on the east side. The storm water system is a hybrid open bottom sump and piped overflow system with 2 outfalls draining to an irrigation channel of the Clark Fork River. The remaining 95 acres are served by dry well sumps which collect and infiltrate surface drainage to ground water approximately 70 feet below the surface.

2. Location of the Small MS4 (narrative) to include geographical details of the MS4:

- a. University of Montana main campus is located in S2 SE Sec 22 T13N R19W and W2 NE and E2 E2 NW Sec 27 T13N R19W. It is approximately bounded by the Clark Fork River to the north, Mt. Sentinel to the east, Arthur Avenue to the West and Beckwith Avenue to the south. The MS4 drains 60 acres on the east side roughly delineated by Madeline Ave (if extended through campus), University Ave (if extended through campus), Campus Dr. and the Clark Fork River.

3. Description of MS4 storm water discharge location and outfall, the corresponding receiving waterbody name, and the drainage pattern. A list or table may be submitted to organize information.

- a. The 2 out falls are about 1,100 feet apart on the south side of an irrigation channel on the Clark Fork River. See map.

Appendix 2 Storm Water Management Plan

The University of Montana - Missoula ("UM") currently operates two small storm drain systems serving only the University's main campus needs. This system discharges via two outfalls to the Clark Fork River. UM will continue using existing - or develop new - best management practices for the following measures for storm water pollution:

1. Storm drain cleaning as needed
2. Parking lot and street cleaning as needed
3. Used oil recycling program
4. Spill prevention plan for the UM with spill response personnel on campus
5. Hazardous material storage, management and disposal provided by a designated department on campus; education of procedures provided on University website.
6. Storm drain stenciling on UM grounds
7. Fuel and oil spill cleanup kits and training
8. On site construction storm water protection
9. Education of campus community on storm water issues once a year.

UM has not been required to monitor or test water discharged during storm events. Casual observation of discharge is that the flow rate is small and the water has low turbidity.

The Associate Director of Engineering and Utilities is responsible for the overall management and implementation of the storm water management plan. The success of this minimum control measure will be evaluated by internal review in annual reporting and feedback response from Montana Department of Environmental Quality.

Minimum Control Measures Best Management Practices ("BMP's")

1. Public Education and Outreach

BMP 1.1 Website Development

UM's website describes common pollutants and their adverse effects, outlines UM's responsibilities regarding storm water management, and links to additional information such as the general permit, annual report, and policies for the storage and transport of hazardous materials. It also provides contact information for those wishing to report storm water issues and information about recycling both on campus and in Missoula.

BMP 1.1 will be measured by content meeting defined goals.

STATUS: Fully Implemented

BMP 1.2 Public Service Announcements (“PSA’s”), Print, Email, and Public Transportation Advertising

PSAs utilize campus email and other electronic communications to inform the campus community about the steps they can take to reduce storm water pollution. These ads describe the effects of proper waste disposal and vehicle maintenance on surface water quality. These notifications also inform the campus community of events and projects on campus and in Missoula such as Recycling, the Annual Household Hazardous Waste Collection Days, cleanup events, trail/stream restoration work, and public education events sponsored by the university, student groups, the city and other environmental groups.

BMP 1.2 will be measured by the number notifications placed annually.

STATUS: Implemented

BMP 1.3 Educational Fliers for New Students

UM will provide educational materials to new students with their orientation and housing information. This material includes information on recycling, proper disposal of household toxics, and the hazards of improper waste disposal.

BMP 1.3 will be measured by the number of fliers, brochures, and other materials distributed annually.

STATUS: In planning

BMP 1.4 Dog Waste Management

The UM campus is a popular place for Missoulians to walk their dogs. In order to minimize pollution from dog waste in campus storm water, there are signs, plastic bags, and trash cans along popular trails to encourage dog owners to pick up and dispose of their pets’ waste.

BMP 1.4 will be measured by how frequently the plastic bag dispensers are refilled.

STATUS: Fully Implemented

2. Public Involvement and Participation

BMP 2.1 Storm Drain Stenciling

Periodically, storm drains have been stenciled or re-stenciled to remind the campus community never to dispose of waste through storm drains. This work has been done by Facilities Staff, university students and other Missoula community members. Volunteers are solicited for annually, though if none are available a Facilities Department employee will perform the task.

BMP 2.1 will be measured how many storm drains are stenciled annually.

STATUS: Fully Implemented

BMP 2.2 Public Meetings to Address Storm Water Issues

Prior to the finalization of the Storm Water Management Plan, UM will hold a public meeting and solicit comments. The university will continue to hold public and student meetings to address storm water issues on campus.

BMP 2.2 will be measured by the annual meeting.

STATUS: In Progress

3. Illicit Discharge Detection and Elimination

BMP 3.1 Storm Sewer System Map

UM maintains a map of its storm water system in AutoCAD. The map is updated for construction projects and as investigations are conducted to confirm the map's accuracy.

BMP 3.1 will be measured by an annual review of the map's accuracy.

STATUS: Fully Implemented

BMP 3.2 Ordinances Prohibiting Illicit Discharges

While UM does not have a statutory enforcement mechanism, the university is subject to and complies with Missoula ordinances regarding storm water, sewer, and water quality management.

The Missoula Valley Water Quality Ordinance gives Water Quality District staff the authority to perform inspections and enforce the provisions of the ordinance. A Notice of Violation may be written, after which corrective action must be taken within five working days, unless the alleged violator requests an administrative review. Any person who violates any of the provisions of the ordinance is guilty of a misdemeanor and can be fined up to five hundred dollars and/or imprisoned in the county jail for up to sixty days.

In addition to the Missoula Valley Water Quality Ordinance, Title 13.04 of the Missoula Municipal Code, entitled "Sewer Regulations", makes it "unlawful for any person to discharge or cause to be discharged into the storm sewage system any waste other than surface storm water drainage or clear water except when other connections are specifically allowed by the Director of Public Works."

The Montana Water Quality Act, Missoula City-County Health Code, Missoula Municipal Code, and Uniform Plumbing Code all prohibit on-site sewage disposal systems that flow into the storm drainage system. The majority of the campus storm water runoff is handled by sumps, rather than the piped systems.

BMP 3.3 Dry Weather Screening for Illicit Discharges

The university's storm water system has two outfalls into the Clark Fork River. Dry weather screening will be performed annually.

BMP 3.3 will be measured by photo documentation of the outfalls.

STATUS: Fully implemented

BMP 3.4 Citizen reporting

Potential storm water pollution can be reported to the Facilities department at the university or to the Missoula County Water Quality District. Contact information for the university is on the university website. The number for the Missoula County Water Quality District citizen reporting hotline can be found on the City's webpage, Missoula Valley Water Quality District's webpage, and Missoula Valley Water Quality District's education publications. Potential storm water pollution can be reported to these numbers 24 hours a day. Office hours are 8:00 AM to 5:00 PM Monday through Friday and messages can be left after hours. The messages are checked daily. Calls can be made anonymously.

BMP 3.4 will be measured by the number of reports annually.

STATUS: Fully implemented

4. Construction Site Runoff Control

BMP 4.1 Construction LEED Water Management

All construction projects with over one acre of disturbance will have a Storm water pollution plan in place prior to excavation. BMPs to prevent erosion and jobsite runoff from entering the storm water system will be incorporated into the construction plan. The requirements of LEED SS 6.1 Storm water quantity and LEED SS 6.2 Storm water quality will be used to mitigate new construction and post-construction runoff.

BMP 4.1 will be measured by LEED third party compliance reporting and inspection.

STATUS: Fully implemented

5. Post-Construction Runoff Control

BMP 5.1 Post Construction LEED Water Management

Where practical, BMPs for post-construction storm water mitigation will be incorporated into the site design. The requirements of LEED SS 6.1 Storm water quantity and LEED SS 6.2 Storm water quality will be used to mitigate new construction and post-construction runoff.

BMP 5.1 will be measured by LEED third party compliance reporting and inspection.

STATUS: Fully implemented

6. Pollution Prevention/Good Housekeeping

BMP 6.1 Storm Water Pollution Prevention Plan (SWPPP) for Physical Plant Compound

The Physical Plant Compound includes an outdoor recycling area, trash dumpsters, a fuel pump and tank, and storage for university maintenance vehicles, winter snow, waste oil, pesticides, antifreeze, and other cleaning compounds. The SWPPP describes best management practices to address potential pollution from these sources, such as the availability and use of spill cleanup kits, secondary containment for fuel and waste oil storage, and good housekeeping measures. The SWPPP also includes records of employee training, responses to incidents such as spills and leaks, and quarterly inspections.

BMP 6.1 will be measured by inspection of facilities.

STATUS: Fully implemented

BMP 6.2 Storm Drain and Drywell Cleaning

Storm drains and dry wells periodically become blocked or clogged with debris, which can reduce their effectiveness. Common debris that interferes with the drains are leaves and gravel, which accumulate in the fall and winter. Drains are surveyed at each significant rainfall for potential debris build up, and citizens can also report problematic drains to the Facilities department. Drains are cleaned on an as-needed basis.

BMP 6.2 will be measured by the number of drains or drywells cleaned annually.

STATUS: Fully implemented

BMP 6.3 Integrated Pest Management Plan

UM uses an Integrated Pest Management System (IPM) for the maintenance of over 50 acres of landscape, including 46 acres of turf. When possible, this system utilizes methods that are least stressful to the surrounding environment to control pests. These strategies include cultivation, the use of natural controls, good plant health maintenance, the use of plant varieties that are resistance to pests, and the use of chemicals only when absolutely necessary to prevent irreparable damage to plants. The IMP system's reduced use of pesticides and other chemicals has reduced the non-point pollution potential of runoff through the university's storm water system.

BMP 6.3 will be measured by the Integrated Pest Management committee, their meeting minutes and reports.

STATUS: Fully implemented

BMP 6.4 Employee Training

Facility Services employees receive annual training on the storm water system and MS4 permit requirements. Emphasis is placed on good housekeeping and spill response.

BMP 6.4 will be measured by training materials and attendance records.

STATUS: Fully implemented

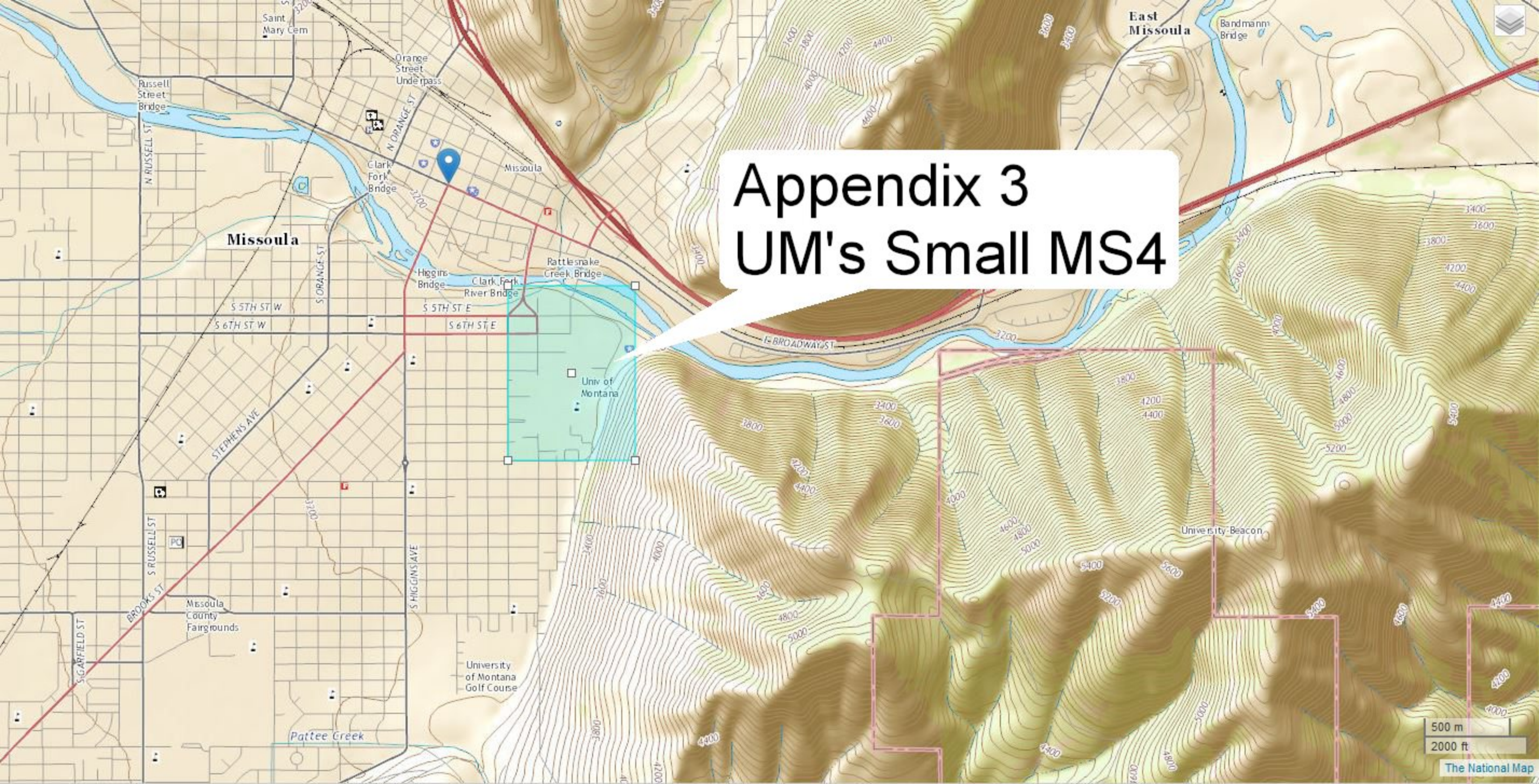
BMP 6.5 Grounds Cleanup

UM's grounds are zoned into six zones and the grounds crew pick up litter and empties public trash receptacles on week day mornings to maintain a clean and inviting campus. There are 106 containers for trash disposal and recycling by campus residents and visitors.

BMP 6.5 will be measured by the elimination of debris that can enter the storm water system and the campus appearance.

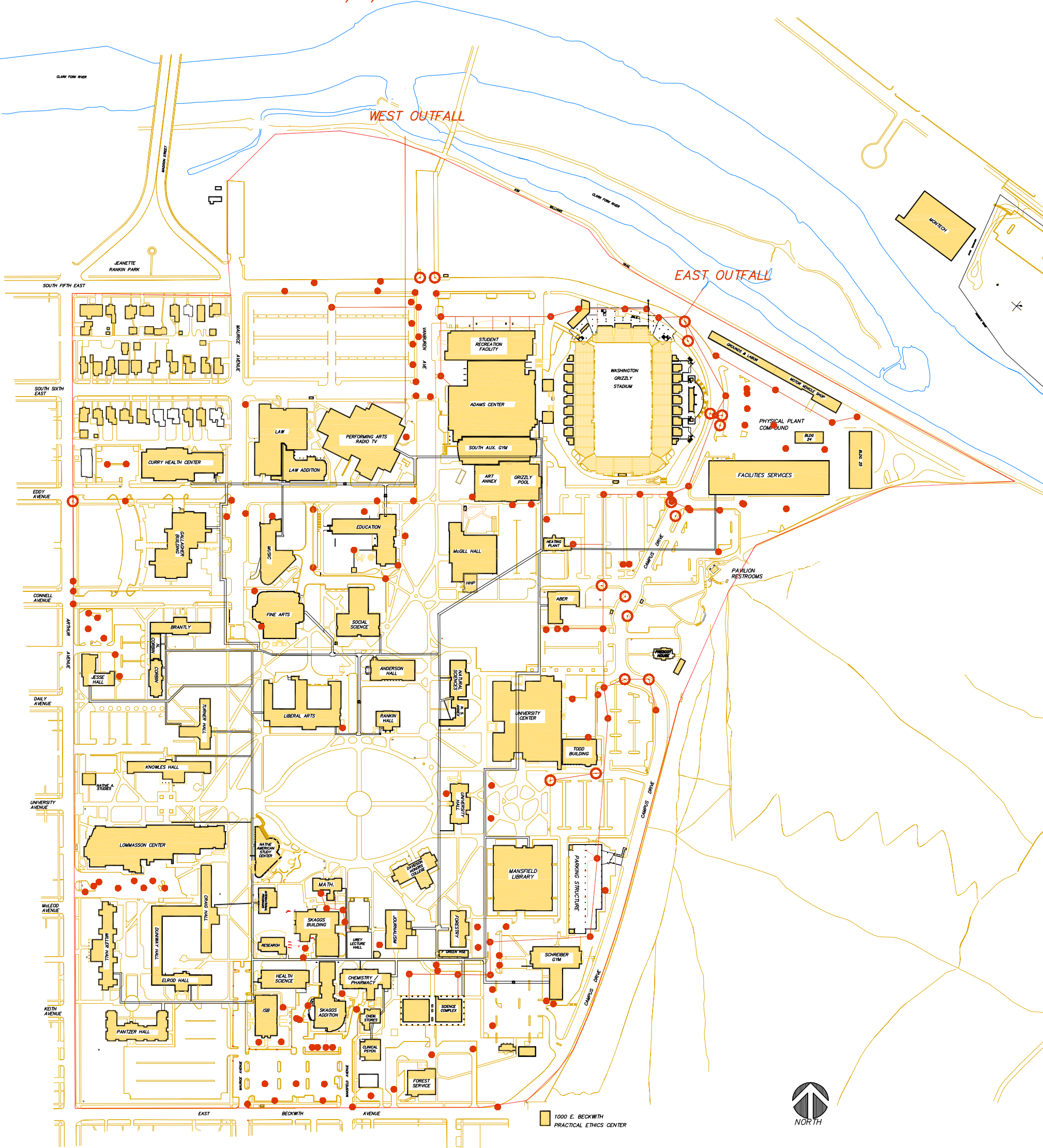
STATUS: Fully implemented

Appendix 3 UM's Small MS4



Appendix 4 MS4 Map Detail

UNIVERSITY OF MONTANA
 STORM WATER SYSTEM MAP
 2/20/16



STORM WATER SYSTEM

SCALE : 1 IN. = 100 FT.
 WHEN PLOTTED 34 X48

TUNNEL MAP
 UTILITY TUNNEL

STORM DRAIN MAP
 STORM DRAIN
 STORM DRAIN MAN HOLE
 5 FT. CONC. DRYWELL
 MS4 BOUNDRY

