Submittal of Annual Reports and other Compliance Documents for Municipal Separate Storm Sewer System (MS4) Permits

NOTE: Missing or incomplete fields are highlighted at the bottom of each page. You may save, close and return to your draft permit as often as necessary to complete your application. After 120 days your draft is **deleted.**

Reporting Information

Will you be completing the Annual Report or other submittal type? ◉ **Annual Report** ○ **Other**

Project Name:	Town of Rib Mountain 2019 MS4 Annual Report
County:	Marathon
Municipality:	Rib Mountain, Town
Permit Number:	S050075
Facility Number:	31053
Reporting Year:	2019

Is this submittal also satisfying an Urban Nonpoint Source Grant funded deliverable? ○ **Yes** ◉ **No**

Required Attachments and Supplemental Information

Please complete the contents of each tab to submit your MS4 permit compliance document. The information included in this checklist is necessary for a complete submittal. A complete and detailed submittal will help us review about your MS4 permit document. To help us make a decision in the shortest amount of time possible, the following information must be submitted:

Annual Report

- Review related web site and instructions for Municipal storm water permit eReporting [Exit Form]
- Complete all required fields on the annual report form and upload required attachments
- Attach the following other supporting documents as appropriate using the attachments tab above
  - Public Education and Outreach Annual Report Summary
  - Public Involvement and Participation Annual Report Summary
  - Illicit Discharge Detection and Elimination Annual Report Summary
  - Construction Site Pollution Control Annual Report Summary
  - Post-Construction Storm Water Management Annual Report Summary
  - Pollution Prevention Annual Report Summary
    - Leaf and Yard Waste Management
    - Municipal Facility (BMP) Inspection Report
    - Municipal Property SWPPP
    - Municipally Property Inspection Report
    - Winter Road Maintenance
  - Storm Sewer Map Annual Report Attachment
  - Storm Water Quality Management Annual Report Attachment
  - TMDL Attachment
  - Storm Water Consortium/Group Report

    - Municipal Cooperation Attachment
    - Other Annual Report Attachment

- Attach the following permit compliance documents as appropriate using the attachments tab above

    - Storm Water Management Program *(S050075-03 general permittees shall have a written storm water management program that describes in detail how the permittee intends to comply with the permit requirements for each minimum control measure. Updated programs are due to the department by March 31, 2021.)*
        - Public Education and Outreach Program
        - Public Involvement and Participation Program
        - Illicit Discharge Detection and Elimination Program
        - Construction Site Pollutant Control Program
        - Post-Construction Storm Water Management Program
        - Pollution Prevention Program
            - Municipal Storm Water Management Facility (BMP) Inventory *(S050075-03 general permittees 2.6.1 - inventory due to the department by March 31, 2021.)*
            - Municipal Storm Water Management Facility (BMP) Inspection and Maintenance Plan *(S050075-03 general permittees 2.6.2 – document due to the department by March 31, 2021.)*

- Sign and Submit form

Municipal Contact Information- Complete

Notice: Pursuant to s. NR 216.07(8), Wis. Adm. Code, an owner or operator of a Municipal Separate Storm Sewer System (MS4) is required to submit an annual report to the Department of Natural Resources (Department) by March 31 of each year to report on activities for the previous calendar year ("reporting year"). This form is being provided by the Department for the user's convenience for reporting on activities undertaken in each reporting year of the permit term. Personal information collected will be used for administrative purposes and may be provided to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].
Note: Compliance items must be submitted using the Attachments tab.

Municipality Information

Name of Municipality	Rib Mountain, Town
Facility ID # or (FIN):	31053
Updated Information:	☑ Check to update mailing address information
Mailing Address:	144801 Snowbird Ave
Mailing Address 2:	
City:	Wausau
State:	Wisconsin
Zip Code:	54401 xxxxx or xxxxx-xxxx

Primary Municipal Contact Person (Authorized Representative for MS4 Permit)

The "Authorized Representative" or "Authorized Municipal Contact" includes the municipal official that was charged with compliance and oversight of the permit conditions, and has signature authority for submitting permit documents to the Department (i.e., Mayor, Municipal Administrator, Director of Public Works, City Engineer).

☐ Select to ***create new*** primary contact

First Name:	Scott
Last Name:	Turner

☑ Select to ***update*** current contact information

Title:	
Mailing Address:	227800 Snowbird Ave
Mailing Address 2:	
City:	Wausau
State:	WI
Zip Code:	54401 xxxxx or xxxxx-xxxx
Phone Number:	715-848-5123 Ext: xxx-xxx-xxxx
Email:	sturner93@frontier.com

Additional Contacts Information (Optional)

☐ I&E Program
☐ IDDE Program
☐ IDDE Response Procedure Manual

Individual with responsibility for: (Check all that apply)	☐ Municipal-wide Water Quality Plan ☐ Ordinances ☐ Pollution Prevention Program ☐ Post-Construction Program ☐ Winter roadway maintenance

First Name:	
Last Name:	
Title:	
Mailing Address:	
Mailing Address 2:	
City:	
State:	
Zip Code:	xxxxx or xxxxx-xxxx
Phone Number:	Ext: xxx-xxx-xxxx
Email:	

1. Does the municipality rely on another entity to satisfy some of the permit requirements? If yes, enter entity name (government, consultant, group/organization).

◉ Yes ○ No

☑ Public Education and Outreach: Northcentral Wisconsin Storm Water Coalition

☑ Public Involvement and Participation: Northcentral Wisconsin Storm Water Coalition

☐ Illicit Discharge Detection and Elimination:

☐ Construction Site Pollutant Control:

☐ Post-Construction Storm Water Management:

☐ Pollution Prevention

2. Has there been any changes to the municipality's participation in group efforts towards permit compliances (i.e., the municipality has added or dropped consortium membership)?

○ Yes ◉ No

Minimum Control Measures- Section 1 : Complete

1. Public Education and Outreach

a. Complete the following information on Public Education and Outreach Activities related to storm water. Select the Mechanism that best describes how the topic message was conveyed to your population. Use the **Add Activity** to add multiple Mechanisms. For Quantity, choose the range for the number of Mechanisms chosen (i.e., number of workshops, events).

Topic: Detection and elimination of illicit discharges

Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Targeted group training (contractors, consultants, etc.)	Select...	1 - 9	○ Yes ◉ No

Select all applicable audiences targeted for this topic.

☐ Contractors ☐ General Public ☑ Public Employees ☐ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Management of materials that may cause storm water pollution from automobiles, pet waste, household hazardous waste and household practices

Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Targeted group training (contractors, consultants, etc.)	Select...	1 - 9	○ Yes ◉ No
Other	Select...	100 +	◉ Yes ○ No

Select all applicable audiences targeted for this topic.

☐ Contractors ☐ General Public ☑ Public Employees ☐ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Beneficial onsite reuse of leaves and grass clippings/proper use of lawn and garden fertilizers and pesticides

Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Passive print media (brochures at front desk, posters, etc.)	Select...	100 +	○ Yes ◉ No

Select all applicable audiences targeted for this topic.

☐ Contractors ☑ General Public ☐ Public Employees ☑ Residential ☐ School Groups
☑ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Management of stream banks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways

Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Did not focus on this topic this reporting year	Select...	Select...	○ Yes ○ No

Select all applicable audiences targeted for this topic.

☐ Contractors ☐ General Public ☐ Public Employees ☐ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Infiltration of residential storm water runoff from rooftop downspouts, driveways and sidewalks

Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Active distribution of print media (mailings, newsletters)	Select...	100 +	◉ Yes ○ No
Passive print media (brochures at front desk, posters, etc.)	Select...	100 +	○ Yes ◉ No

Select all applicable audiences targeted for this topic.

☐ Contractors ☑ General Public ☐ Public Employees ☑ Residential ☐ School Groups
☑ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Inform and where appropriate educate those responsible for the design, installation, and maintenance of construction site erosion control practices and storm water management facilities on how to design, install and maintain the practices

Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Targeted group training (contractors, consultants, etc.)	Select...	1 - 9	○ Yes ◉ No
Active distribution of print media (mailings, newsletters, etc)	Select...	100 +	◉ Yes ○ No

Select all applicable audiences targeted for this topic.

☑ Contractors ☑ General Public ☑ Public Employees ☐ Residential ☐ School Groups
☑ Business ☑ Developers ☐ Industries ☐ Other:

Topic: Identify businesses and activities that may pose a storm water contamination concern, and where appropriate, educate specific audiences on methods of storm water pollution prevention

Mechanism	Quantity	Est. People Reached	Regional Effort?

	(optional)	(optional)	(optional)
Workshops	Select...	100 +	◉ Yes ○ No
Tours	Select...	100 +	◉ Yes ○ No

Select all applicable audiences targeted for this topic.
☐ Contractors ☑ General Public ☑ Public Employees ☑ Residential ☑ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Promote environmentally sensitive land development designs by developers and designers, including green infrastructure and low impact development

Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
Did not focus on this topic this reporting year	Select...	Select...	○ Yes ○ No

Select all applicable audiences targeted for this topic.
☐ Contractors ☐ General Public ☐ Public Employees ☐ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Other (describe):

Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
Select...	Select...	Select...	○ Yes ○ No

Select all applicable audiences targeted for this topic.
☐ Contractors ☐ General Public ☐ Public Employees ☐ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

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b. Brief Public Education and Outreach program information for inclusion in the Annual Report. If your response exceeds the 250 character limit, attach supplemental information on the attachments page.

Program includes efforts from Town Public Works efforts and participation with the North Central Wisconsin Storm Water Coalition events that include

Town residents.

Minimum Control Measures - Section 2 : Complete

2. Public Involvement and Participation

a. Complete the following information on Public Education and Outreach Activities related to storm

water. Select the mechanism that best describes how the topic message was conveyed to your population. Use the Add Activity to add multiple mechanisms. For Quantity, choose the range for number Mechanisms chosen (i.e., number of workshops, events).

Topic: Storm Water Management Plan and/or updates			
Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
None	Select...	Select...	○ Yes ○ No

Select all applicable participants targeted for this topic.

☐ Contractors ☐ General Public ☐ Public Employees ☐ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Storm water related ordinance and/or updates			
Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
None	Select...	Select...	○ Yes ○ No

Select all applicable participants targeted for this topic.

☐ Contractors ☐ General Public ☐ Public Employees ☐ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

Topic: MS4 Annual Report			
Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
Government Event (Public Hearing, Council Meeting, etc)	Select...	20 - 49	○ Yes ◉ No

Select all applicable participants targeted for this topic.

☐ Contractors ☑ General Public ☑ Public Employees ☑ Residential ☐ School Groups
☑ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Volunteer Opportunities			
Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
Clean-up events	Select...	100 +	◉ Yes ○ No

Select all applicable participants targeted for this topic.

☐ Contractors ☑ General Public ☑ Public Employees ☑ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Other (describe) :

Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Select...	Select...	Select...	○ Yes ○ No

Select all applicable participants targeted for this topic .

☐ Contractors ☐ General Public ☐ Public Employees ☐ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

b. Brief Public Involvement and Participation program information for inclusion in the Annual Report. If your response exceeds the 250 character limit, attach supplemental information on the attachments page.

Several active outreach programs in coordination with the North Central Wisconsin Storm Water Coalition events. Educational information is provided in the Town quarterly newsletter.

Form 3400-224 (09/19)

Minimum Control Measures - Section 3 : Complete

3. Illicit Discharge Detection and Elimination

a. How many total outfalls does the municipality have? 23 ☐ Unsure

b. How many outfalls did the municipality evaluate as part of their routine ongoing field screening program? 23 ☐ Unsure

c. From the municipality's routine screening, how many were confirmed illicit discharges? 0 ☐ Unsure

d. How many illicit discharge complaints did the municipality receive? 0 ☐ Unsure

e. From the complaint received, how many were confirmed illicit discharges? 0 ☐ Unsure

f. How many of the identified illicit discharges did the municipality eliminate in the reporting year? 0 ☐ Unsure

(If the sum of 3.c. and 3.e. does not equal 3.f., please explain below.)

g. How many of the following enforcement mechanisms did the municipality use to enforce its illicit discharge ordinance? Check all that apply and enter the number of each used in the reporting year. ☐ Unsure

- ☑ Verbal Warning 0
- ☑ Written Warning (including email) 0
- ☑ Notice of Violation 0
- ☑ Civil Penalty/ Citation 0

Additional Information:

h. Brief Illicit Discharge Detection and Elimination program information for inclusion in the Annual Report. If your response exceeds the 250 character limit, attach

supplemental information on the attachments page.

The appropriate staff and/or consultants enforces the Town's Stormwater Management Plan. All outfalls were field inspected. No complaints were received.

Form 3400-224 (08/19)

Minimum Control Measures - Section 4 : Complete

4. Construction Site Pollutant Control

a. How many total construction sites were active at any point in the reporting year? 20 ☐ Unsure

b. How many construction sites did the municipality issue permits for in the reporting year? 3 ☐ Unsure

c. Do the above numbers include sites <1 acre? ◉ Yes ○ No ○ Unsure

d. How many erosion control inspections did the municipality complete in the reporting year? 20 ☑ Unsure

e. What types of enforcement actions does the municipality have available to compel compliance with the regulatory mechanism? Check all that apply and enter the number of each used in the reporting year. ☐ Unsure

- ☐ No Authority
- ☑ Verbal Warning 2
- ☑ Written Warning (including email) 2
- ☐ Notice of Violation
- ☐ Civil Penalty/ Citation
- ☑ Stop Work Order 0
- ☑ Forfeiture of Deposit 0
- ☐ Other - Describe below

f. Brief Construction Site Pollutant Control program information for inclusion in the Annual Report . If your response exceeds the 250 character limit, attach supplemental information on the attachments page.

The appropriate staff and/or consultants enforces the Town's Stormwater Management Plan. Review/Inspect potential sources on a regular basis during construction.

Form 3400-224 (08/19)

Minimum Control Measures - Section 5 : Complete

5. Post-Construction Storm Water Management

a. How many sites with new structural storm water management facilities* have received local approval ? 3 ☐ Unsure

*Engineered and constructed systems that are designed to provide storm water

quality control such as wet detention ponds, constructed wetlands, infiltration basins, grassed swales, permeable pavement, catch basin sumps, etc.

b. How many privately owned storm water management facilities were inspected in the reporting year ? 0 ☐ Unsure

Inspections completed by private land owners should be included in the reported number.

c. What types of enforcement actions does the municipality have available to compel compliance with the regulatory mechanism? Check all that apply and enter the number of each used in the reporting year. ☐ Unsure

- ☐ No Authority
- ☑ Verbal Warning 0
- ☑ Written Warning (including email) 0
- ☑ Notice of Violation 0
- ☐ Civil Penalty/ Citation
- ☐ Forfeiture of Deposit
- ☐ Complete Maintenance
- ☑ Bill Responsible Party 0
- ☐ Other - Describe below

d. Brief Post-Construction Storm Water Management program information for inclusion in the Annual Report . If your response exceeds the 250 character limit, attach supplemental information on the attachments page.

Stormwater management facilities are still under construction. Summer 2020 completion. Long Term Maintenance Agreements and regular inspections are required by private owners for all development sites.

Form 3400-224 (08/19)

Minimum Control Measures - Section 6 : Complete

6. Pollution Prevention

Storm Water Management Facility Inspections (ponds, biofilters, etc.) ☐ Not Applicable

a. Enter the total number of municipally owned or operated structural storm water management facilities ? 5 ☐ Unsure

b. How many new municipally owned storm water management facilities were installed in the reporting year ? 0 ☐ Unsure

c. How many municipally owned storm water management facilities were inspected in the reporting year? 2 ☐ Unsure

d. What elements are looked at during inspections (250 character limit)?

Debris/vegetation removal required, function of facility, outlet structure

performance

e. How many of these facilities required maintenance? 0 ☐ Unsure

Public Works Yards & Other Municipally Owned Properties (SWPPP Plan Review) ☐ Not Applicable

f. How many inspections of municipal properties have been conducted in the reporting year? 6 ☐ Unsure

g. Have amendments to the SWPPPs been made? ○ Yes ◉ No ○ Unsure

h. If yes, describe what changes have been made (200 character limit):

Collection Services - *Street Sweeping / Cleaning Program* ☐ Not Applicable

i. Did the municipality conduct street sweeping/cleaning during the reporting year?
◉ Yes ○ No ○ Unsure

j. If known, how many tons of material was removed? 450 ☐ Unsure

k. Does the municipality have a low hazard exemption for this material? ○ Yes ◉ No

l. If street cleaning is identified as a storm water best management practice in the pollutant loading analysis, was street cleaning completed at the assumed frequency?
◉ Yes
○ No - Explain _____
○ Not Applicable

Collection Services - *Catch Basin Sump Cleaning Program* ☐ Not Applicable

m. Did the municipality conduct catch basin sump cleaning during the reporting year?
◉ Yes ○ No ○ Unsure

n. How many catch basin sumps were cleaned in the reporting year? 24 ☐ Unsure

o. If known, how many tons of material was collected? 1 ☐ Unsure

p. Does the municipality have a low hazard exemption for this material? ○ Yes ◉ No

q. If catch basin sump cleaning is identified as a storm water best management practice in the pollutant loading analysis, was cleaning completed at the assumed frequency?
◉ Yes
○ No - Explain _____
○ Not Applicable

Collection Services - *Leaf Collection Program* ☐ Not Applicable

r. Does the municipality conduct curbside leaf collection? ○ Yes ◉ No ○

Unsure

s. Does the municipality notify homeowners about pickup? ○ Yes ◉ No ○ Unsure

t. Where are the residents directed to store the leaves for collection?

☐ Pile on terrace ☐ Pile in street ☐ Bags on terrace ☐ Unsure

☑ Other - Describe Delivery by Property Owner to Yard Waste Site

u. What is the frequency of collection?

N/A

v. Is collection followed by street sweeping/cleaning? ○ Yes ○ No ○ Unsure

Winter Road Management ☐ Not Applicable

*Note: We are requesting information that goes beyond the reporting year, answer the best you can.

w. How many lane-miles of roadway is the municipality responsible for doing snow and ice control? 73 ☐ Unsure

x. Provide amount of de-icing products used by month last winter season?

Solids (tons) (ex. sand, or salt-sand)

Product	Oct	Nov	Dec	Jan	Feb	Mar
Salt/sand mix	0	400	500	700	900	200

Liquids (gallons) (ex. brine)

	Oct	Nov	Dec	Jan	Feb	Mar
Brine	0	0	0	0	0	0

y. Was salt applying machinery calibrated in the reporting year? ○ Yes ◉ No ○ Unsure

z. Have municipal personnel attended salt reduction strategy training in the reporting year? ◉ Yes ○ No ○ Unsure

If yes, describe what training was provided (250 character limit):

Public Works staff was trained on minimizing salt/sand mix usage. Application rates vary based on vehicle speed, road grade, and conditions.

When: 11/12/19 How many attended: 9

Internal (Staff) Education & Communication

aa. Has training or education been held for municipal or other personnel involved in implementing each of the pollution prevention program elements ? ◉ Yes ○ No ○ Unsure

If yes, describe what training was provided (250 character limit):

Reviewed spill prevention plans at the Public Works Building and Compost Site

When: 10/29/19 How many attended: 8

ab. Describe how the municipality has kept the following local officials and municipal staff aware of the municipal storm water discharge permit programs and its requirements.

Elected Officials

MS4 report is submitted to the Town Board. MS4 Report is also posted on the Town's website: www.townofribmountain.org

Municipal Officials

Staff reports to the Town Board officials and provides updates on storm water activities.

Appropriate Staff (such as operators, Department heads, and those that interact with public)

Appropriate Staff (such as operators, Department heads, and those that interact with public). Department heads also hold weekly meetings and discuss upcoming construction projects or other issues that may include storm water activities.

ac. Brief Pollution Prevention program information for inclusion in the Annual Report . If your response exceeds the 250 character limit, attach supplemental information on the attachments page.

Formal SWPPP and salt use training with Public Works staff is ongoing to help reduce potential environmental impacts as associated salt/material costs.

Form 3400-224 (08/19)

Minimum Control Measures - Section 7 : Complete

7. Storm Sewer System Map

a. Did the municipality update their storm sewer map this year? ○ Yes ◉ No ○ Unsure

If yes, check the areas the map items that got updated or changed:

- ☐ Storm water treatment facilities
- ☐ Storm pipes
- ☐ Vegetated swales
- ☐ Outfalls
- ☐ Other - Describe below

b. Brief Storm Sewer System Map information for inclusion in the Annual Report. If your response exceeds the 250 character limit, attach supplemental information on the attachments page.

The Town continues to update the storm sewer system maps. Additional field work and verification is ongoing. Data has been collected from approximately 95% of the Town. Updates are planned for 2020.

Final Evaluation - Complete

Fiscal Analysis

Complete the fiscal analysis table provided below. For municipalities that do not break out funding into permit program elements, please enter the monetary amount to your best estimate of what funding may be going towards these programs.

Annual Expenditure Reporting Year	**Budget** Reporting Year	**Budget** Upcoming Year	**Source of Funds**
Element: Public Education and Outreach			
2500	2500	2500	General revenue fund
Element: Public Involvement and Participation			
500	0	0	General revenue fund
Element: Illicit Discharge Detection and Elimination			
500	0	0	General revenue fund
Element: Construction Site Pollutant Control			
1000	0	0	General revenue fund
Element: Post-Construction Storm Water Management			
1000	0	0	General revenue fund
Element: Pollution Prevention			
500	0	0	General revenue fund
Element: Storm Water Quality Management			
1000	0	0	General revenue fund
Element: Storm Sewer System Map			
2500	2500	2500	General revenue fund
Other (describe)			
			Select...

Please provide a justification for a "0" entered in the Fiscal Analysis

Town budget includes general storm water expense for Public Education. Other elements are not specifically budgeted and are included in general public works staff operations.

Water Quality

a: Were there any known water quality improvements in the receiving waters to which the municipality's storm sewer system directly discharges to?

○ Yes ◉ No ○ Unsure If Yes, explain below:

b : Were there any known water quality degradation in the receiving waters to which the municipality's storm sewer system directly discharges to?

○ Yes ◉ No ○ Unsure If Yes, explain below:

c: Have any of the receiving waters that the municipality discharges to been added to the impaired waters list during the reporting year?

○ Yes ◉ No ○ Unsure

d: Has the municipality evaluated their storm water practices to reduce the pollutants of concern?

○ Yes ◉ No ○ Unsure

Additional Information

Based on the municipality's storm water program evaluation, describe any proposed changes to the municipality's storm water program. If your response exceeds the 250 character limit, attach supplemental information on the attachments page.

The Town continues to review storm water practices to improve water quality and

improve inspection frequency and documentation.

Requests for Assistance on Understanding Permit Programs

Would the municipality like the Department to contact them about providing more information on understanding any of the Municipal Separate Storm Sewer Permit programs?

Please select all that apply:

- ☑ Public Education and Outreach
- ☑ Public Involvement and Participation
- ☑ Illicit Discharge Detection and Elimination
- ☐ Construction Site Pollutant Control
- ☐ Post-Construction Storm Water Management
- ☑ Pollution Prevention
- ☐ Storm Water Quality Management
- ☐ Storm Sewer System Map
- ☐ Water Quality Concerns
- ☑ Compliance Schedule Items Due
- ☐ MS4 Program Evaluation

Required Attachments and Supplemental Information

Any other MS4 program information for inclusion in the Annual Report may be attached on here. Use the Add Additional Attachments to add multiple documents.

Upload Required Attachments (15 MB per file limit) - Help reduce file size and trouble shoot file uploads
*Required Item

Note: To replace an existing file, use the 'Click here to attach file ' link or press the to delete an item.

Attach - Other Supporting Documents

AR_IP

File Attachment

1-NCWSCSponsorships2018-2019.pdf

AR_MuniSWPPP

File Attachment

2TownofRibMountainPollutionPreventionPlanPublicWorksFacilityMarch2018.pdf

AR_MuniSWPPP

File Attachment

2TownofRibMountainPollutionPreventionPlanYardWasteSiteMarch2018.pdf

AR_SWQM

File Attachment

3SWMPExhibits.pdf

AR_SWMap

File Attachment

4TownofRibMtn36X36StormSystemMaps_Mar2018.pdf

AR_MuniCoop

File Attachment

5NCWSCMOA2020-2026.pdf

(To remove items, use your cursor to hover over the attachment section. When the drop down arrow appears, select remove item)

Attach - Permit Compliance Documents

EO_Program

File Attachment

62019MinimumControlMeasures.pdf

(To remove items, use your cursor to hover over the attachment section. When the drop down arrow appears, select remove item)

- Storm Water Management Program *(S050075-03 general permittees shall have a written storm water management program that describes in detail how the permittee intends to comply with the permit requirements for each minimum control measure. Updated programs are due to the department by March 31, 2021.)*

- Public Education and Outreach Program
- Public Involvement and Participation Program
- Illicit Discharge Detection and Elimination Program
- Construction Site Pollutant Control Program
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- Pollution Prevention Program
    - Municipal Storm Water Management Facility (BMP) Inventory *(S050075-03 general permittees 2.6.1 - inventory due to the department by March 31, 2021.)*
    - Municipal Storm Water Management Facility (BMP) Inspection and Maintenance Plan *(S050075-03 general permittees 2.6.2 – document due to the department by March 31, 2021.)*

Sign and Submit Your Application

Steps to Complete the signature process

1. Read and Accept the Terms and Conditions
2. Press the Submit and Send to the DNR button

NOTE: For security purposes all email correspondence will be sent to the address you used when registering your WAMS ID. This may be a different email than that provided in the application. For information on your WAMS account click HERE .

Terms and Conditions

Certification: I hereby certify that I am an authorized representative of the municipality covered under Rib Mountain, Town MS4 Permit for which this annual report or other compliance document is being submitted, and that the information contained in this submittal and all attachments were gathered and prepared under my direction or supervision. Based on my inquiry of the person or persons under my direction or supervision involved in the preparation of this document, to the best of my knowledge, the information is true, accurate, and complete. I further certify that the municipality's governing body or delegated representatives have reviewed or been apprised of the contents of this annual report. I understand that Wisconsin law provides severe penalties for submitting false information.

Signee (must check current role prior to accepting terms and conditions)

◉ Authorized municipal contact using WAMS ID.

○ Delegation of Signature Authority (Form 3400-220) for agent signing on the behalf of the authorized municipal contact.

○ Agent seeking to share this item with authorized municipal contact (authorized municipal contact must get WAMS id and complete signature).

Name:	Scott Turner, PE
Title:	Street and Park Superintendent

Authorized Signature.

☑ I accept the above terms and conditions.

Signed by : i:0#.f|wamsmembership|tturner1969 on 2020-03-27T09:21:51

You have already signed and submitted this application to the DNR. Please contact the Wisconsin DNR for assistance.

After providing the final authorized signature, the system will send an email to the authorized party and any agents. This email will include a copy to the final read only version of this application.

NCWSC Sponsorships 2018-2019

Permittee shall address all 8 topics over the permit period (5-years?)

6 topics annually
- 4 public outreach mechanisms annually (2 must be active)

Sponsorship	$$$	Year	Members Covered	DNR Topic	Active or Passive
Wisconsin River Cleanup	$500	Annually	Marathon County NCWSC members	**#7** Pollution Prevention	Active
Paddle Quest in Stevens Point	$500	Annually	Stevens Point	**#7** Pollution Prevention	Passive, possibly active
Rubber Ducky :30 ad on WAOW, WSAW, & WZAW	$5,800	Annually	NCWSC members except Baraboo	**#2** Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing	Passive
Rubber Ducky :30 ad on TV43	$500	Annually	Baraboo		
Marshfield Zoo educational materials	$1,000	2020	Marshfield	???	Passive
"No Farms, No Food" T-shirts	~$5,000	2019-2020	All NCWSC members	**#5** Residential Infiltration	Active
Erosion & Sediment Control Workshop for building inspectors, community engineers, and contractors	$500	2018	All NCWSC members	**#6** Construction Sites and Post-Construction Storm Water Management	Active
250 of the: Construction Site Erosion Control Field Guides	$1,845	2019	All NCWSC members		??? Depends how it is distributed.
Farm Tech Days 2018	$536	2018	All NCWSC members	???	Active
Marathon County Common Ground Event	$500	2018	Marathon & Wood Counties	???	Active
Rain garden with sign	$750 to $1,000	Various	Various communities	**#8** Green Infrastructure/ Low impact development	Passive
NCWSC website – Rain garden information	free	Annually	All NCWSC members	**#8** Green Infrastructure/ Low impact development	Passive

TOWN OF RIB MOUNTAIN
Where Nature, Family & Sport Come Together
www.townofribmountain.org
3700 North Mountain Road
Wausau, Wisconsin 54401
(715) 842-0983
Fax(715) 848-0186

Town of Rib Mountain
Marathon County, Wisconsin
Stormwater Pollution Prevention Plan

Public Works Facility

Prepared by:

Scott Turner, PE

Street & Park Superintendent

March 2018

Introduction

This document has been prepared for the Town of Rib Mountain WPDES permit issued by the Wisconsin Department of Natural Resources under permit WI-S050075-2. This report addresses the requirements of section 2.6.7 of the permit document and has been developed in an outline format which follows this section.

2.6.7.1 Location and contact information

The Town of Rib Mountain operates a Public Works facility with vehicle, equipment, and material storage. The Public Works Building is located at 2001 Goose Ln.

Scott Turner, Street & Park Superintendent, is responsible for the facilities. His contact information is below:

Scott Turner, PE
Street & Park Superintendent
3700 North Mountain Rd
Wausau, WI 54402
Office: 715-848-5123
Cell: 715-573-0733
sturner@townofribmountain.org

The following public works staff are frequently working at the site:

Pat Krautkramer
Foreman
Office: 715-848-5123

Dave Falasky
Mechanic
Office: 715-848-5123

Randy Sauter
Operator/Yard Waste Site Operations
Office: 715-848-5123

2.6.7.2 Facility Map(s)

See attached maps for details pertaining to major onsite activities, drainage patterns, and receiving waters, and connections to the Towns Municipal Separate Storm Sewer System.

The Public Works site is approximately 4.1 acres in size. The site consists of the Public Works equipment and vehicle storage building, salt/sand building, and exterior material storage.

On-Site Activities

The Public Works site serves as the Town's only public works facility. The Town's vehicles and heavy equipment are stored and maintained in the main building. Cold storage of non-liquid supplies and equipment is located on the north overhang area. Covered storage for salt/sand is also located on site. Except when staff are on site, the main building remains closed and locked.

There is no exterior storage of any type of liquid. Bulk liquids and petroleum products are stored in the facilities oil room or approved storage cabinet.

Drainage Patterns and Receiving Waters

The Public Works site generally drains to the north. Receiving waters include the Wisconsin Department of Transportation Stormwater Management Pond (HWY51/29 Pond E) to the northwest and wetlands to the northeast. Pavement flowlines and culverts direct runoff to these locations.

Potential sources of stormwater contamination include runoff from the salt/sand storage building, and materials storage area including the street sweepings stock pile.

2.6.7.3 Good housekeeping activities and best management practices

Exterior Storage/Operations

Salt and sand stockpiles are contained within a covered building located to the west side of the site. Salt/sand is loaded and offloaded from trucks using a rubber tired loader. Any spilled material is shoveled or swept by mechanical equipment and disposed of within the existing storage facility.

Cold storage of materials including traffic control signage, lumber, steal, miscellaneous supplies, and various heavy equipment are contained in an overhang on the north side of the main building. Culvert pipes and landscaping supplies are exposed to the elements in organized areas.

The Town maintains all material stockpiles in conical piles which are reshaped when sufficient materials are removed to minimize the footprint of each pile. Drainage is maintained principally as sheet flows which serves to minimize the transport of sediment from the site to surrounding receiving waters. The street sweepings stockpiled is covered

with tarps to prevent/reduce potentially contaminated runoff. Grass filter strips are also located prior to receiving waters.

Interior Storage/Operations

Asphalt cold patch is stored in a dedicated bunker inside the main Public Works Building. All bulk petroleum liquids are located in the oil room with the required containment measures.

Wash bays and trench grates include sumps that are cleaned on a regular basis. All wash bays and interior floor drains connect to the Town's sanitary sewer system.

2.6.7.4 Recommendations

Staff conducts visual inspections on a regular basis. Housekeeping items are addressed depending the degree of importance. Several items shall be addressed during future inspections:

- Inspections to address potential contamination (i.e. erosion of stockpiles materials). Records of all inspections, observations, and compliance records, as applicable, should be kept by the Town of Rib Mountain Public Works facility for a minimum of five years.
- The health of vegetation around the site perimeter should continue to be assessed and improved if necessary. If possible, a minimum 20 ft. wide buffer of healthy vegetation should be maintained around the site's perimeter (and wider where space allows). Vehicle traffic and storage of materials should not be allowed within the buffer. Mowing of the buffer area should be undertaken two or three times per year with a cutting height of no less than 6-inches. Where a grassed buffer is not feasible, consider adding a silt fence.

2.6.7.5 Information on inspections to identify and address potential contamination

Public works staff should regularly inspect any area where material storage is exposed to stormwater and assess how well stormwater BMPs are operating. Formal and documented inspections should be done seasonally, while informal inspections should be done by all public works staff any time they are on site. Corrective actions undertaken at any time to address site erosion or potential spills must be documented at the time the activity occurs.

It is further recommended that additional inspections be performed as appropriate after major events; for example, greater than 1 inch of precipitation in 24 hours, or and incident that causes contaminant (erosion) release.

2.6.7.6 Employee training

There is currently not training unique to the Public Works facility. All Public Services personnel, which currently includes 5 full time and 7 seasonal employees, are trained with all applicable safety requirements. Refresher training is conducted three times per year.

Future training sessions shall include spill response procedures, best management practices, and prevention of potential contamination to receiving waters or the Towns sanitary sewer system.

Liquid storage on site is within covered buildings and that any spills within the buildings could drain to sanitary sewer systems. Nevertheless, all Town employees who may work with hazardous materials (spillable items) should continue to receive periodic and regular training on the following topics as outlined in Section 2.6.7.6 of WPDES Permit WI-S050075-2:

- Spill prevention practices
- Where to locate and how to interpret OSHA Safety Data Sheets (SDS)and pictograms
- Spill response plan
- Emergency response procedures including equipment and emergency services contact information

2.6.7.7 Spills prevention and response procedures

The following are steps and procedures to follow by Town staff to prevent spills and respond to chemical or hazardous substance spills.

Spill Prevention. All hazardous substances, including chemical wastes, are to be managed in a way that prevents release. The following general requirements are to be followed:

- Container Management:
    - All hazardous substance containers must be labeled pursuant to OSHA hazardous communication guidelines and OSHA Safety Data Sheets (SDS) must be immediately available for review.

        The Town maintains a computer in the Public Works Crew office which is accessible by all employees with access to the site. Bookmarked on this computer is a website address which provides access to all Material Safety Data Sheets for chemicals kept onsite. Hard copies are also available.

    - All hazardous substance containers must be in good condition and compatible with the materials stored within.

    - All hazardous substance containers must be accessible and spacing between containers must provide sufficient access to perform periodic inspections and respond to releases.

    - Empty hazardous substance containers (drums) must have all markers and labels removed and the container marked with the word ‘empty’.

    - Any spills on the exterior of the container must be cleaned immediately.

    - Flammable materials stored or dispensed from drums or totes must be grounded to prevent static spark.
    - Waste drums should not be overfilled. Four inches (4”) of headspace must remain to allow for expansion.
- Good Housekeeping:
    - All hazardous substances must be stored inside buildings or under cover.
    - Store hazardous substances not used daily in cabinets, or in designated areas.
    - All chemicals that are transferred from larger to smaller containers must be transferred by use of a funnel or spigot.
    - All hazardous substance containers should be closed while not in use.
    - Use drip pans or other collection devices to contain drips or leaks from dispensing containers or equipment.
    - Implement preventative maintenance activities to reduce the potential for release from equipment.
    - Immediately clean up and properly manage all small spills or leaks.
    - Periodically inspect equipment and hazardous substance storage areas to ensure leaks or spills are not occurring.
    - Use signage to identity hazardous substance storage or waste collection areas.
    - Keep all work areas and hazardous substance storage areas clean and in good general condition
- Secondary containment:
    - Store all bulk chemicals (>55 gallons) within appropriate secondary containment, or any sized chemical if there is a potential for release to the environment.
    - Secondary containment should be checked periodically, and any spills identified in secondary containment must be immediately cleaned up and removed.
- Marking/labeling:
    - Ensure all hazardous substances, including chemical wastes, are properly marked and labeled in accordance with all federal, state and local regulations.
    - Ensure that hazardous substances transferred to small containers are marked with the chemicals name (example- “Isopropyl Alcohol”) and hazard (example- “Flammable”).
- Hazardous Substance Inventory
    - An inventory must be maintained for all stored hazardous substances <55 gallons, and/or list of locations where non-bulk hazardous substances are stored

(i.e. flammable lockers - shop floor). Materials manufactured, stored, used and/or generated as a chemical waste in quantities >55 gallons should also be inventoried. Inventories should be maintained similar to the example shown below.

- Spill Response Equipment
    - Spill response equipment must be maintained and located in areas where spills are likely to occur. Spill kits should provide adequate response capabilities to manage any anticipated spill or release. The following general requirements are to be followed which include:
    - Stock spill clean-up kits that are compatible with the hazardous substances stored on site.
    - Locate spill kits in areas where spills are likely to occur (loading docks, chemical storage areas, locations where hazardous substance are being transferred).
    - Spill kits should be sized to manage an anticipated release (spill equal to the largest container).
    - Emergency response equipment should be inspected periodically to ensure that the spill kit is complete

Spill Response Plan

- In the event of a hazardous substance spill or release, immediately review and follow applicable OSHA SDS guidelines. If doing so does not violate those guidelines, take the following measures to keep the spill from entering sewer or storm drains, spreading off-site, or affecting human health. In all cases caution and common sense must be maintained with the primary goal being to prevent and/or limit personal injury.
- Stop, contain, and clean up the chemical spill if:
    - The spilled chemical and its hazardous properties have been identified.
    - The spill is small and easily contained.
    - Responder is aware of the chemicals' hazardous properties.
- If a spill or release cannot be controlled or injuries have occurred due to the release, the following procedures should be implemented:
    - Call for help or alert others of the release.
    - Evacuate immediate area, and provide care to the injured- Call 911.
    - If potential fire or explosion hazards exist, initiate evacuation procedures- Call 911.

- Respond defensively to any uncontrolled spills:
    - Use appropriate personal protective equipment when responding to any spill.
    - Attempt to shut off the source of the release (if safe to do so).
    - Eliminate sources of ignition (if safe to do so).
    - Protect drains by use of adsorbent, booms or drain covers (if safe to do so).
    - Notify onsite emergency contact(s).
    - Notify other trained staff and assist with the spill response and cleanup activities.
    - Coordinate response activities with local emergency personnel (fire department).
    - Be prepared to provide information to fire department, EMT, hospital or physician.
    - Notify appropriate agency if a release has entered the environment. Refer to Notification and Reporting section for reporting thresholds.

Evacuation Procedures

In the event of a hazardous substance release that has the potential for fire, explosion or other human health hazards the following procedures will be implemented:

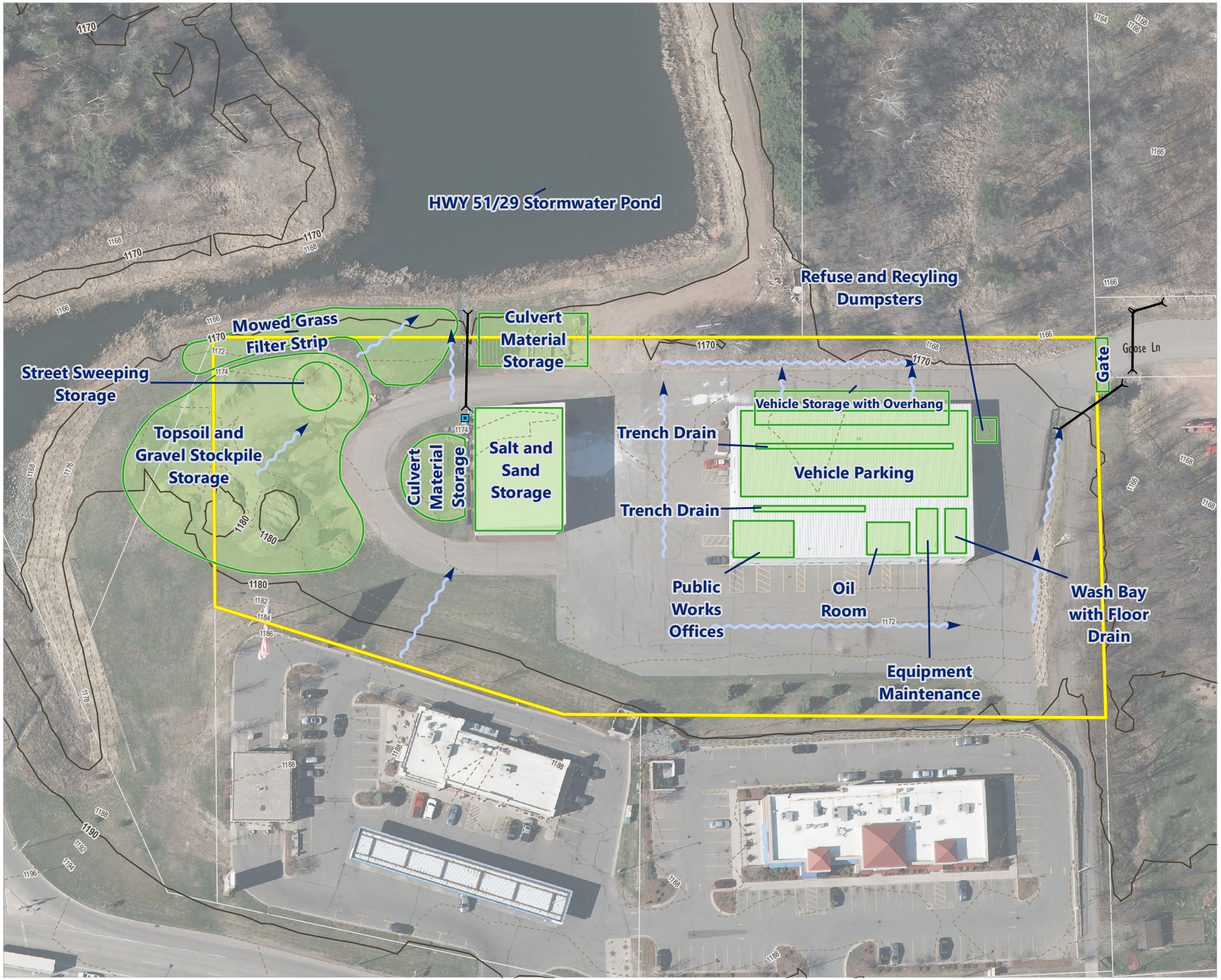
- Facility staff will be notified of evacuation by one or more of the following method(s):
    - Verbal, Portable Radio, Alarm, Other
- Notification to emergency services will be performed- Call 911.
- Facility staff will follow predetermined evacuation routes and assemble at designated areas. Evacuation maps must be displayed throughout the facility and/or exits clearly labeled.
- Individuals responsible for coordinating evacuations must confirm if the business has been completely evacuated.
- Facility staff will be made familiar with evacuation procedures during new employee orientation, and annual trainings thereafter.
- Designated emergency response contacts will coordinate all activities with outside emergency personnel.

Facility Map

Include emergency exits routes, fire alarms, fire extinguishers, spill response equipment and first aid stations (eye wash, first aid kits, etc.).

Public Works Building: Vehicle Maintenance and Storage

Planning for SWPPP



Rib Mountain Parcel

Facility

Flow Direction

Culvert

Area Drain

Town of Rib Mountain
Marathon County, WI

MSA PROFESSIONAL SERVICES

N

0 35 70 Feet

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Print Date: 3/20/2018

TOWN OF RIB MOUNTAIN
Where Nature, Family & Sport Come Together
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(715) 842-0983
Fax(715) 848-0186

Town of Rib Mountain
Marathon County, Wisconsin
Stormwater Pollution Prevention Plan

Yard Waste Site

Prepared by:

Scott Turner, PE

Street & Park Superintendent

March 2018

Introduction

This document has been prepared for the Town of Rib Mountain WPDES permit issued by the Wisconsin Department of Natural Resources under permit WI-S050075-2. This report addresses the requirements of section 2.6.7 of the permit document and has been developed in an outline format which follows this section.

2.6.7.1 Location and contact information

The Town of Rib Mountain operates a Yard Waste Site located at 6507 South Mountain Rd (CTH N)

Scott Turner, Street & Park Superintendent, is responsible for the facility. His contact information is below:

Scott Turner, PE
Street & Park Superintendent
3700 North Mountain Rd
Wausau, WI 54402
Office: 715-848-5123
Cell: 715-573-0733
sturner@townofribmountain.org

The following public works staff are frequently working at the site:

Pat Krautkramer
Foreman
Office: 715-848-5123

Dave Falasky
Mechanic
Office: 715-848-5123

Randy Sauter
Operator/Yard Waste Site Operations
Office: 715-848-5123

2.6.7.2 Facility Map(s)

See attached maps for details pertaining to major onsite activities, drainage patterns, and receiving waters, and connections to the Towns Municipal Separate Storm Sewer System.

The Yard Waste site is approximately 3.0 acres in size. A majority of the area is on leased property.

On-Site Activities

The yard waste site consists of the storage and processing of yard debris consisting of leaves, grass, and brush. Residents drop off yard materials at designated locations for each type of material. Signage directs them to the proper location. The yard site is open from April until May.

Compost (leaves and grass) is processed throughout the summer months. The Town Public Works Department processes the compost which is located on the south and west sides of the site. Processed compost is stockpiled near the entrance gate. The processed compost is free to residents. Garbage and litter within the compost is disposed in trash containers surrounding the stockpile.

Brush materials are stockpiled on the east side of the site. A hired contractor chips the brush material once per year, typically in December. Chipped material is immediately hauled to the Domtar Biomass Plant in Roshschild, WI.

A yard site attendant is present during the hours of operation. A small building houses hand tools and other small equipment. There is no storage of any type of liquid other than a small gas can, 20 lb propane tank (for space heater), and drinking water.

Drainage Patterns and Receiving Waters

The Yard Site generally sheet flows to the northeast. Receiving waters include wetlands and manmade pond. There are no direct flowlines or storm sewer pipes/culverts at the site.

Potential sources of stormwater contamination include runoff from compost stockpiles.

2.6.7.3 Good housekeeping activities and best management practices

Compost piles that are being processed are kept in parallel, well maintained rows. Excess compost materials on the ground are removed and added to the processing piles.

Processed composted is maintained in conical stockpiles which are reshaped when sufficient materials are removed to minimize the footprint of each pile. Any litter or debris in the composed is disposed of in garbage cans surrounding the pile.

Drainage is maintained principally as sheet flows which serves to minimize the transport of sediment from the site to surrounding receiving waters. Grass buffer areas are periodically mowed to improve aesthetics and better promote treatment of stormwater runoff.

2.6.7.4 Recommendations

Staff conducts visual inspections on a regular basis. Housekeeping items are addressed depending the degree of importance. Several items shall be addressed during future inspections:

- Inspections to address potential contamination (i.e. erosion of stockpiles materials). Records of all inspections, observations, and compliance records, as applicable, should be kept by the Town of Rib Mountain Public Works department for a minimum of five years.
- The health of vegetation around the site perimeter should continue to be assessed and improved if necessary. If possible, a minimum 20 ft. wide buffer of healthy vegetation should be maintained around the site's perimeter (and wider where space allows). Vehicle traffic and storage of materials should not be allowed within the buffer. Mowing of the buffer area should be undertaken two or three times per year with a cutting height of no less than 6-inches. Where a grassed buffer is not feasible, consider adding a silt fence.

2.6.7.5 Information on inspections to identify and address potential contamination

Yard waste site staff should regularly inspect any area where material storage is exposed to stormwater and assess how well stormwater BMPs are operating. Formal and documented inspections should be done seasonally, while informal inspections should be done by all public works staff any time they are on site. Corrective actions undertaken at any time to address site erosion or potential spills must be documented at the time the activity occurs.

It is further recommended that additional inspections be performed as appropriate after major events; for example, greater than 1 inch of precipitation in 24 hours, or and incident that causes contaminant (erosion) release.

2.6.7.6 Employee training

There is currently not training unique to the Yard Water Site. The seasonal staff consisting of two employees, are trained with all applicable safety requirements. Refresher training is conducted annually/

Future training sessions shall include, best management practices, and prevention of potential contamination to receiving waters.

2.6.7.7 Spills prevention and response procedures

The following are steps and procedures to follow by Town staff to prevent spills and respond to chemical or hazardous substance spills.

Spill Prevention. All hazardous substances, including chemical wastes, are to be managed in a way that prevents release. The following general requirements are to be followed:

- Container Management:
    - All hazardous substance containers must be labeled pursuant to OSHA hazardous communication guidelines and OSHA Safety Data Sheets (SDS) must be immediately available for review.

        The Town maintains a computer in the Public Works Crew office which is accessible by all employees with access to the site. Bookmarked on this computer is a website address which provides access to all Material Safety Data Sheets for chemicals kept onsite. Hard copies are also available.

    - All hazardous substance containers must be in good condition and compatible with the materials stored within.
    - All hazardous substance containers must be accessible and spacing between containers must provide sufficient access to perform periodic inspections and respond to releases.
    - Empty hazardous substance containers (drums) must have all markers and labels removed and the container marked with the word ‘empty’.
    - Any spills on the exterior of the container must be cleaned immediately.
    - Flammable materials stored or dispensed from drums or totes must be grounded to prevent static spark.
    - Waste drums should not be overfilled. Four inches (4”) of headspace must remain to allow for expansion.
- Good Housekeeping:
    - All hazardous substances must be stored inside buildings or under cover.
    - Store hazardous substances not used daily in cabinets, or in designated areas.
    - All chemicals that are transferred from larger to smaller containers must be transferred by use of a funnel or spigot.
    - All hazardous substance containers should be closed while not in use.
    - Use drip pans or other collection devices to contain drips or leaks from dispensing containers or equipment.
    - Implement preventative maintenance activities to reduce the potential for release from equipment.
    - Immediately clean up and properly manage all small spills or leaks.
    - Periodically inspect equipment and hazardous substance storage areas to ensure leaks or spills are not occurring.
    - Use signage to identity hazardous substance storage or waste collection areas.

    - Keep all work areas and hazardous substance storage areas clean and in good general condition

- Secondary containment:
    - Store all bulk chemicals (>55 gallons) within appropriate secondary containment, or any sized chemical if there is a potential for release to the environment.
    - Secondary containment should be checked periodically, and any spills identified in secondary containment must be immediately cleaned up and removed.

- Marking/labeling:
    - Ensure all hazardous substances, including chemical wastes, are properly marked and labeled in accordance with all federal, state and local regulations.
    - Ensure that hazardous substances transferred to small containers are marked with the chemicals name (example- “Isopropyl Alcohol”) and hazard (example- “Flammable”).

- Hazardous Substance Inventory
    - An inventory must be maintained for all stored hazardous substances <55 gallons, and/or list of locations where non-bulk hazardous substances are stored (i.e. flammable lockers - shop floor). Materials manufactured, stored, used and/or generated as a chemical waste in quantities >55 gallons should also be inventoried. Inventories should be maintained similar to the example shown below.

- Spill Response Equipment
    - Spill response equipment must be maintained and located in areas where spills are likely to occur. Spill kits should provide adequate response capabilities to manage any anticipated spill or release. The following general requirements are to be followed which include:
    - Stock spill clean-up kits that are compatible with the hazardous substances stored on site.
    - Locate spill kits in areas where spills are likely to occur (loading docks, chemical storage areas, locations where hazardous substance are being transferred).
    - Spill kits should be sized to manage an anticipated release (spill equal to the largest container).
    - Emergency response equipment should be inspected periodically to ensure that the spill kit is complete

Spill Response Plan

- In the event of a hazardous substance spill or release, immediately review and follow applicable OSHA SDS guidelines. If doing so does not violate those guidelines, take the following measures to keep the spill from entering sewer or storm drains, spreading off-site, or affecting human health. In all cases caution and common sense must be maintained with the primary goal being to prevent and/or limit personal injury.
- Stop, contain, and clean up the chemical spill if:
    - The spilled chemical and its hazardous properties have been identified.
    - The spill is small and easily contained.
    - Responder is aware of the chemicals' hazardous properties.
- If a spill or release cannot be controlled or injuries have occurred due to the release, the following procedures should be implemented:
    - Call for help or alert others of the release.
    - Evacuate immediate area, and provide care to the injured- Call 911.
    - If potential fire or explosion hazards exist, initiate evacuation procedures- Call 911.
    - Respond defensively to any uncontrolled spills:
        - Use appropriate personal protective equipment when responding to any spill.
        - Attempt to shut off the source of the release (if safe to do so).
        - Eliminate sources of ignition (if safe to do so).
        - Protect drains by use of adsorbent, booms or drain covers (if safe to do so).
        - Notify onsite emergency contact(s).
        - Notify other trained staff and assist with the spill response and cleanup activities.
        - Coordinate response activities with local emergency personnel (fire department).
        - Be prepared to provide information to fire department, EMT, hospital or physician.
        - Notify appropriate agency if a release has entered the environment. Refer to Notification and Reporting section for reporting thresholds.

Evacuation Procedures

In the event of a hazardous substance release that has the potential for fire, explosion or other human health hazards the following procedures will be implemented:

- Facility staff will be notified of evacuation by one or more of the following method(s):
    - Verbal, Portable Radio, Alarm, Other
- Notification to emergency services will be performed- Call 911.
- Facility staff will follow predetermined evacuation routes and assemble at designated areas. Evacuation maps must be displayed throughout the facility and/or exits clearly labeled.
- Individuals responsible for coordinating evacuations must confirm if the business has been completely evacuated.
- Facility staff will be made familiar with evacuation procedures during new employee orientation, and annual trainings thereafter.
- Designated emergency response contacts will coordinate all activities with outside emergency personnel.

Facility Map

Include emergency exits routes, fire alarms, fire extinguishers, spill response equipment and first aid stations (eye wash, first aid kits, etc.).

Yard Waste Site

Planning for SWPPP

Town of Rib Mountain
Marathon County, WI

Rib Mountain Parcel

Leased Area

Facility

Flow Direction

N

0 50 100 Feet

MSA PROFESSIONAL SERVICES

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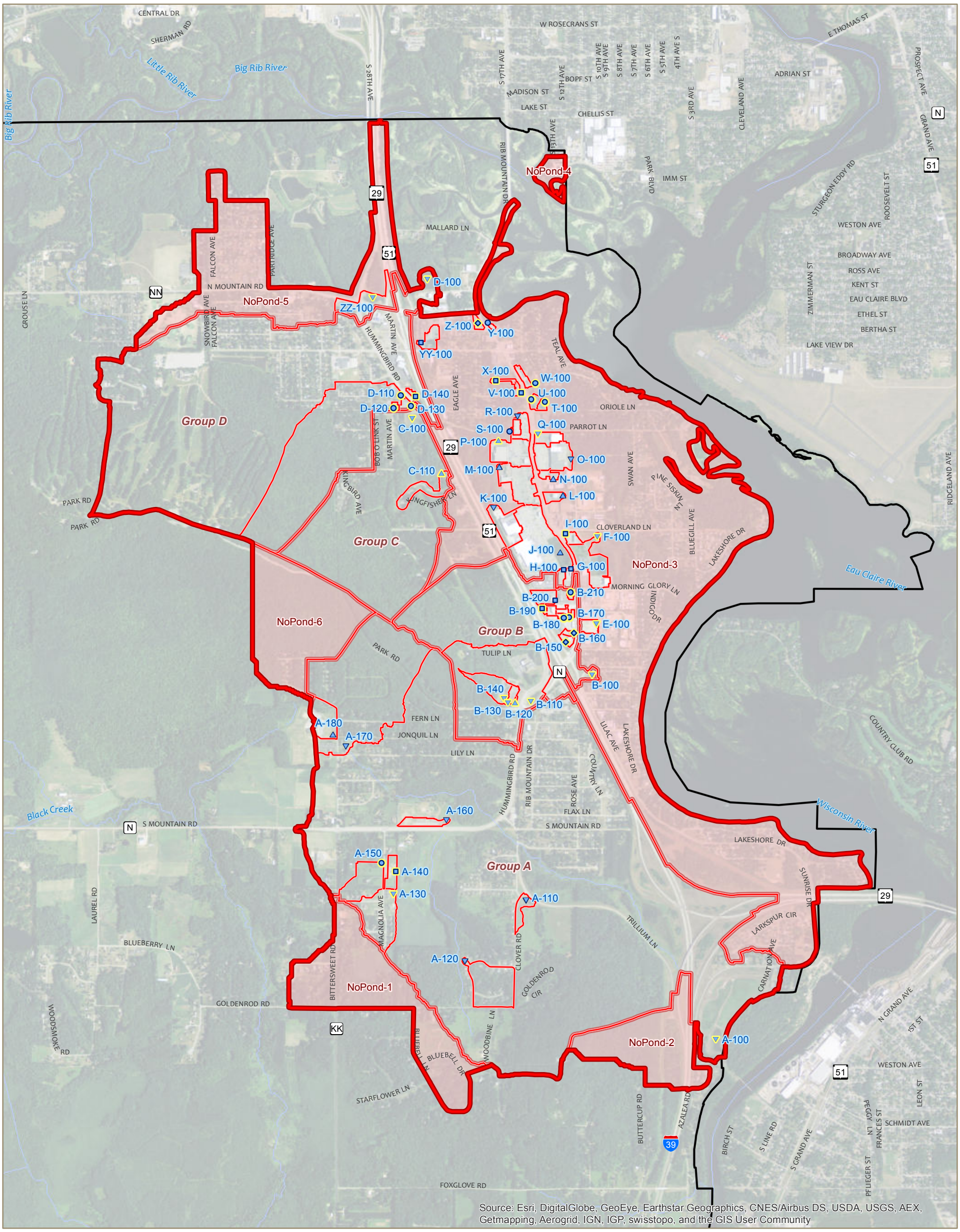
Print Date: 3/20/2018



MAP 5: EXISTING STORMWATER PONDS

TOWN OF RIB MOUNTAIN
MARATHON COUNTY, WI

- Town of Rib Mountain
- River/Stream
- Study Area
- Subwatershed
- Subwatershed Group

BMP Type and Model Status

- Dry Pond
- Infiltration Basin
- Underground/Infiltration
- Wet Pond (Shallow)
- Wet Pond
- Pond was modeled

DATA SOURCES:
TOWN BOUNDARY PROVIDED BY MARATHON COUNTY.
FLOWLINE PROVIDED BY THE USGS (NHD).
AERIAL IMAGERY PROVIDED BY ESRI.

N

0 500 1,000 2,000 Feet

MSA PROFESSIONAL SERVICES

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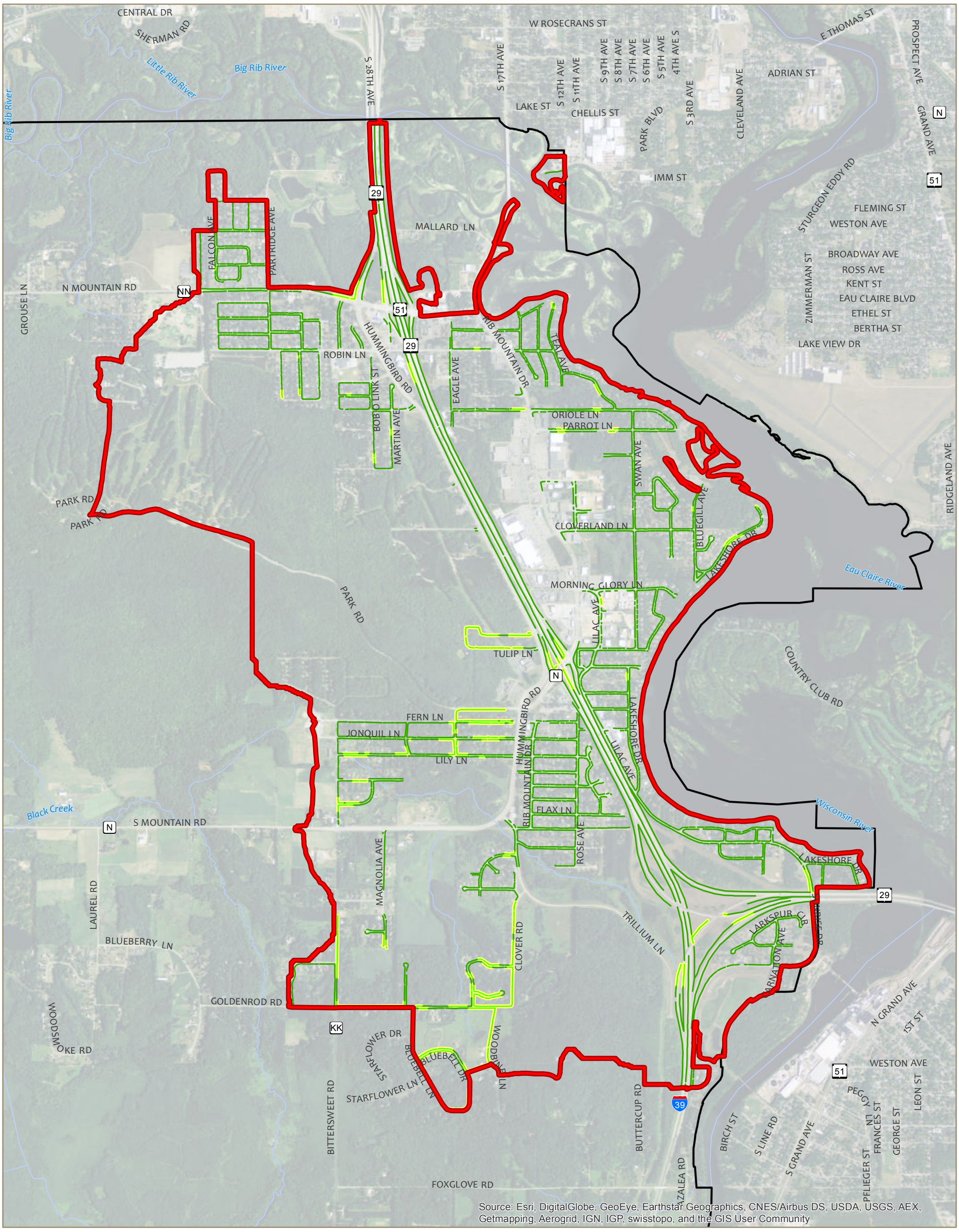
Print Date: 11:40:57 AM 11/24/2015

Town of Rib Mountain Stormwater Management System Water Quality Treatment Performance

1 = Value from 'regulatory' model
2 = Value from 'Urban area only' model
3 = Value calculated from 'No Area Excluded' mode
4 = Value calculated as "Value 2" x (1 - "Value 3")

							Pond Performance			Swale Performance			System Performance								
													Total Suspended Solids				Total Phosphorus				
BMP Number	BMP Name	BMP Direct Drainage Area (ac)	BMP Regulated Drainage Area (ac)	BMP Cumulative Drainage Area (ac)	Swale Length (ft) only within Urban Area & less than 4% slope	Average Swale Slope (%)	TSS Load	TSS Discharge	TSS Reduction	TSS Load	TSS Discharge	TSS Reduction	Total Load[3]	Regulated Load[1]	Discharge[1]	Reduction[1]	Total Load[3]	Regulated Load[2]	Discharge[4]	Reduction[3]	
A-100	US51 Pond I	1,151.515	720.322	**1,337.151**	82,747	1.40	192616	24854	87.1%	652904	168489	74.2%									
A-110	Trillium Lane Pond	3.650	0.036	3.650	0	No Swale	23	23	0.0%	No Swale											*No Plans for BMP*
A-120	Flameflow Road Pond	19.999	19.999	19.999	1,095	2.85	10318	10318	0.0%	14219	10318	27.4%									*No Plans for BMP*
A-130	Magnolia Subdivision Pond	20.109	13.423	20.109	1,707	3.01	5601	1580	71.8%	8637	5601	35.2%									
A-140	Trim Crafters	3.720	3.720	3.720	0	No Swale	2008	2008	0.0%	No Swale			950019	690518	24853	96.4%	3528	2272.0	350.1	84.6%	*Dry Detention Pond*
A-150	Magnolia Custom Homes Pond	13.664	0.009	13.664	0	No Swale	6	0	92.3%	No Swale											
A-160	Doepke Recreational Area Pond	4.097	4.097	4.097	0	No Swale	2080	2079	0.0%	No Swale											*No Plans for BMP*
A-170	Lily Lane Pond	110.512	12.262	**120.398**	3,269	1.90	8116	8116	0.0%	10553	7720	26.8%									*No Plans for BMP*
A-180	South Mountain Elementary School Pond	9.886	0.000	9.886	0	No Swale	0	0	N/A	No Swale											*Outside, but Upstream from, Regulated Area*
B-100	US51 Pond H	144.289	68.230	**245.286**	11,136	2.18	141645	84148	40.6%	167135	110135	34.1%									
B-110	US51 Pond G	81.521	39.183	**91.596**	2,615	2.75	48066	16966	64.7%	59390	47666	19.7%									
B-120	Bone & Joint East Pond	0.262	0.243	**1.911**	0	No Swale	582.1	399.4	31.4%	No Swale											
B-130	Bone & Joint Central Pond	1.649	0.118	1.649	0	No Swale	220.1	128.8	41.5%	No Swale											
B-140	Bone & Joint West Pond	8.163	0.000	8.163	0	No Swale	0	0	N/A	No Swale											*Outside, but Upstream from, Regulated Area*
B-150	Texas Roadhouse South Pond	1.298	1.298	1.298	0	No Swale	3250	315.5	90.3%	No Swale											
B-160	Texas Roadhouse North Pond	0.783	0.783	0.783	0	No Swale	1962	1962	0.0%	No Swale			350738	248611	84148	66.2%	999.5	638.1	288.5	54.8%	*Dry Detention Pond*
B-170	Dick's East Biofilter	1.248	1.248	1.248	0	No Swale	3226	949.1	70.6%	No Swale											
B-180	Dick's Central Biofilter	0.494	0.494	0.494	0	No Swale	1282	264.2	79.4%	No Swale											
B-190	Dick's West Dry Pond	1.599	1.599	1.599	0	No Swale	4117	4117	0.0%	No Swale											*Dry Detention Pond*
B-200	Wausau Imports Pond	3.501	3.501	3.501	0	No Swale	6,764	6764	0.0%	No Swale											*Insufficient Details in Plans to Model BMP*
B-210	Dunkin Donuts Pond	0.478	0.478	0.478	0	No Swale	918.2	172.9	81.2%	No Swale											
C-100	US51 Pond F	218.929	15.002	**226.619**	2,632	2.13	11993	4457	62.8%	11912	9268	22.2%	94769	16025	4457	72.2%	520.3	58.7	28.1	52.1%	*No Plans for Outlet, Assumed to Match D.S. Culver*
C-110	Freedom Group Pond	7.690	0.026	7.690	0	No Swale	4116	2725	33.8%	No Swale											
D-100	US51 Pond E	507.008	123.343	**637.840**	23,867	1.37	99071	31043	68.7%	156195	90584	42.0%									
D-110	Covantage Regional Pond	128.193	18.556	**130.243**	4,738	1.25	13683	8413	38.5%	17550	10528	40.0%									
D-120	Covantage SW Pond	0.616	0.616	0.616	248	1.39	1523	0	100.0%	No Swale			464569	179885	31044	82.7%	1783	496.3	174.5	64.8%	
D-130	Covantage SE Pond	1.434	1.434	1.434	249	1.61	3225	3156	2.1%	No Swale											
D-140	Szmanda Dental Pond	0.589	0.589	0.589	0	No Swale	1469	73.5	95.0%	No Swale											
E-100	Kwik Trip Pond	2.789	2.789	2.789	0	No Swale	6961	1868	73.2%	No Swale			6961	6961	1868	73.2%	14.3	14.3	5.2	63.9%	
F-100	Goodwill Pond	11.979	11.979	11.979	0	No Swale	13008	1755	86.5%	No Swale			13008	13008	1755	86.5%	31.0	31.0	8.9	71.2%	
G-100	Panda Express East Pond	2.040	2.040	2.040	0	No Swale	3895	3895	0.0%	No Swale			3895	3895	3895	0.0%	8.1	8.1	8.1	0.0%	*Insufficient Details in Plans to Model BMP*
H-100	Panda Express West Pond	1.712	1.712	1.712	0	No Swale	3268	3268	0.0%	No Swale			3268	3268	3268	0.0%	6.8	6.8	6.8	0.0%	*Insufficient Details in Plans to Model BMP*
I-100	AT&T Pond	1.875	1.875	1.875	0	No Swale	4774	2263	52.6%	No Swale			4774	4774	2263	52.6%	10.1	10.1	5.5	45.2%	
J-100	Walmart Pond	32.179	32.179	32.179	311	1.43	61740	61740	0.0%	No Swale			61740	61740	61740	0.0%	130.2	130.2	130.2	0.0%	*No Plans for BMP*
K-100	Sam's Club Pond	9.257	9.257	9.257	1	1.97	17676	17676	0.0%	No Swale			17676	17676	17676	0.0%	36.9	36.9	36.9	0.0%	*No Plans for BMP*
L-100	Nicolet National Bank	2.097	2.097	2.097	0	No Swale	5235	5235	0.0%	No Swale			5235	5235	5235	0.0%	10.8	10.8	10.8	0.0%	*No Plans for BMP*
M-100	Best Buy Pond	12.639	12.639	12.639	0	No Swale	24217	24217	0.0%	No Swale			24217	24217	24217	0.0%	50.9	50.9	50.9	0.0%	*No Plans for BMP*
N-100	Michaels Pond	1.668	1.668	1.668	0	No Swale	3184	3184	0.0%	No Swale			3184	3184	3184	0.0%	6.6	6.6	6.6	0.0%	*No Plans for BMP*
NoPond-1		133.720	121.597	133.720	8,901	2.14	No Pond			51554	31134	39.6%	57423	51553	31133	39.6%	283.1	259.6	173.4	33.2%	
NoPond-2		79.734	20.239	79.734	8,980	1.26	No Pond			38763	14059	63.7%	61811	40899	16196	60.4%	249.7	114.6	56.6	50.6%	
NoPond-3		985.364	955.251	985.364	134,508	1.29	No Pond			1043000	315158	69.8%	1178000	1164000	435686	62.6%	3152	3102.0	1271.5	59.0%	
NoPond-4		8.946	8.946	8.946	663	2.86	No Pond			No Swale			11079	11079	11079	0.0%	26.2	26.2	26.2	0.0%	
NoPond-5		176.212	143.869	176.212	33,071	1.22	No Pond			164830	50502	69.4%	205466	182706	68392	62.6%	633.6	546.1	215.6	60.5%	
NoPond-6		120.699	0.000	120.699	0	No Swale	No Pond			No Swale			0	0	0	N/A	0.0	0.0	0.0	N/A	
O-100	Hobby Lobby Pond	10.962	10.962	10.962	0	No Swale	20928	20928	0.0%	No Swale			20928	20928	20928	0.0%	43.5	43.5	43.5	0.0%	*No Plans for BMP*
P-100	Kohls Pond	10.711	10.711	10.711	0	No Swale	20458	12534	38.7%	No Swale			20458	20458	12534	38.7%	42.6	42.6	28.5	33.2%	*Wet Pond < 3-ft Deep*
Q-100	Ulta Beauty Pond	3.508	3.508	3.508	0	No Swale	6697	1539	77.0%	No Swale			6697	6697	1539	77.0%	13.9	13.9	4.7	66.0%	
R-100	Barnes & Noble Pond	3.536	3.536	3.536	0	No Swale	6751	6751	0.0%	No Swale			6751	6751	6751	0.0%	14.0	14.0	14.0	0.0%	*Plans not available during modeling phase*
S-100	Barnes & Noble Rain Garden	1.362	1.362	1.362	0	No Swale	2600	2600	0.0%	No Swale			2600	2600	2600	0.0%	5.4	5.4	5.4	0.0%	*Plans not available during modeling phase*
T-100	Biolife East Infiltration Pond	0.941	0.941	0.941	209	0.90	154.3	0	100.0%	No Swale			154.3	154.3	0	100.0%	0.6	0.6	0.0	100.0%	
U-100	Biolife West Pond	1.434	1.434	1.434	41	0.70	250.9	0	100.0%	No Swale			250.9	250.9	0	100.0%	1.0	1.0	0.0	100.0%	
V-100	Biggby Coffee East Pond	0.933	0.933	0.933	217	2.46	2328	742.2	68.1%	No Swale			2328	2328	742.2	68.1%	4.8	4.8	1.9	59.2%	
W-100	Honey Baked Ham Pond	1.857	1.857	1.857	0	No Swale	4190	0	100.0%	No Swale			4190	4190	0	100.0%	8.6	8.6	0.0	100.0%	
X-100	Biggby Coffee West Pond	0.913	0.913	0.913	0	No Swale	2154	150.2	93.0%	No Swale			2154	2154	150.2	93.0%	4.5	4.5	0.8	81.1%	
Y-100	Radant Insurance Pond	0.398	0.398	0.398	0	No Swale	954.1	954.1	0.0%	No Swale			954.1	954.1	954.1	0.0%	2.0	2.0	2.0	0.0%	*No Plans for BMP*
YY-100	Howard Johnson's Pond	3.624	3.624	3.624	0	No Swale	7307	7307	0.0%	No Swale			7307	7307	7307	0.0%	15.6	15.6	15.6	0.0%	*Plans not available during modeling phase*
Z-100	Rhyme Insurance Pond	1.147	1.147	1.147	33	0.35	2864	0	100.0%	No Swale			2864	2864	0	100.0%	5.9	5.9	0.0	100.0%	
ZZ-100	US51 Pond D	12.608	12.037	12.608	1,385	1.71	15147	373.5	97.5%	22681	15147	33.2%	205466	22680	373.5	98.4%	632.6	58.9	8.1	86.3%	
	TOTAL	4,083.743	2,432.110	ac	Modeled Swales																

5-yr	3800934	2829550	885968	68.7%	12275.0	8039.5	2979.0	62.9%
1-yr	760187	565910	177194		2455.0	1607.9	595.8	



MAP 4: SWALES

TOWN OF RIB MOUNTAIN
MARATHON COUNTY, WI

Town of Rib Mountain
Study Area
River/Stream
Swale within Urban Area
Swale within Urban Area where slope > 4%

DATA SOURCES:
TOWN BOUNDARY PROVIDED BY MARATHON COUNTY.
FLOWLINE PROVIDED BY THE USGS (NHD).
SWALES LOCATED WITH AERIAL IMAGERY.
AERIAL IMAGERY PROVIDED BY ESRI.

N

0 500 1,000 2,000 Feet

MSA PROFESSIONAL SERVICES

Street Index

ARROWOOD CT	D3
ARROWOOD LN	D3
ASTER RD	D3-4
AZALEA CT	C4
AZALEA LN	C4
AZALEA RD	C4, D4
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BAY PARK CT	B4
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BLACKBERRY SOUTH	C2
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BLEEDING HEART ST	B3
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BLUEBELL RD	C3
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DUSTY MILLER RD	C4
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WINTERGREEN RD	C4, D4
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WOODBINE LN	C3
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WOODSMOKE RD	C2
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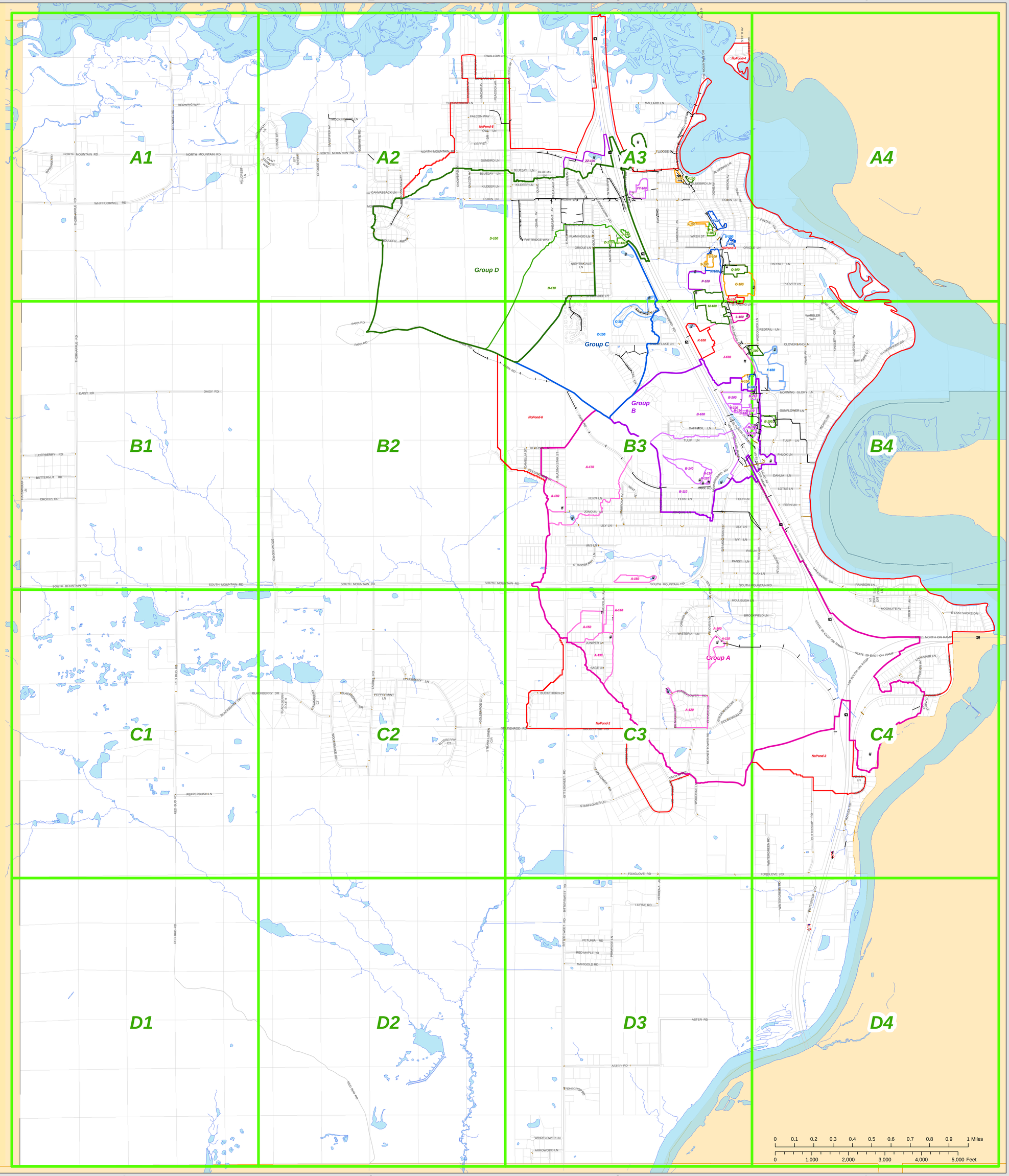

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TOWN OF RIB MOUNTAIN
STORM SEWER SYSTEM - KEY MAP

Map Printed: 3/8/2018

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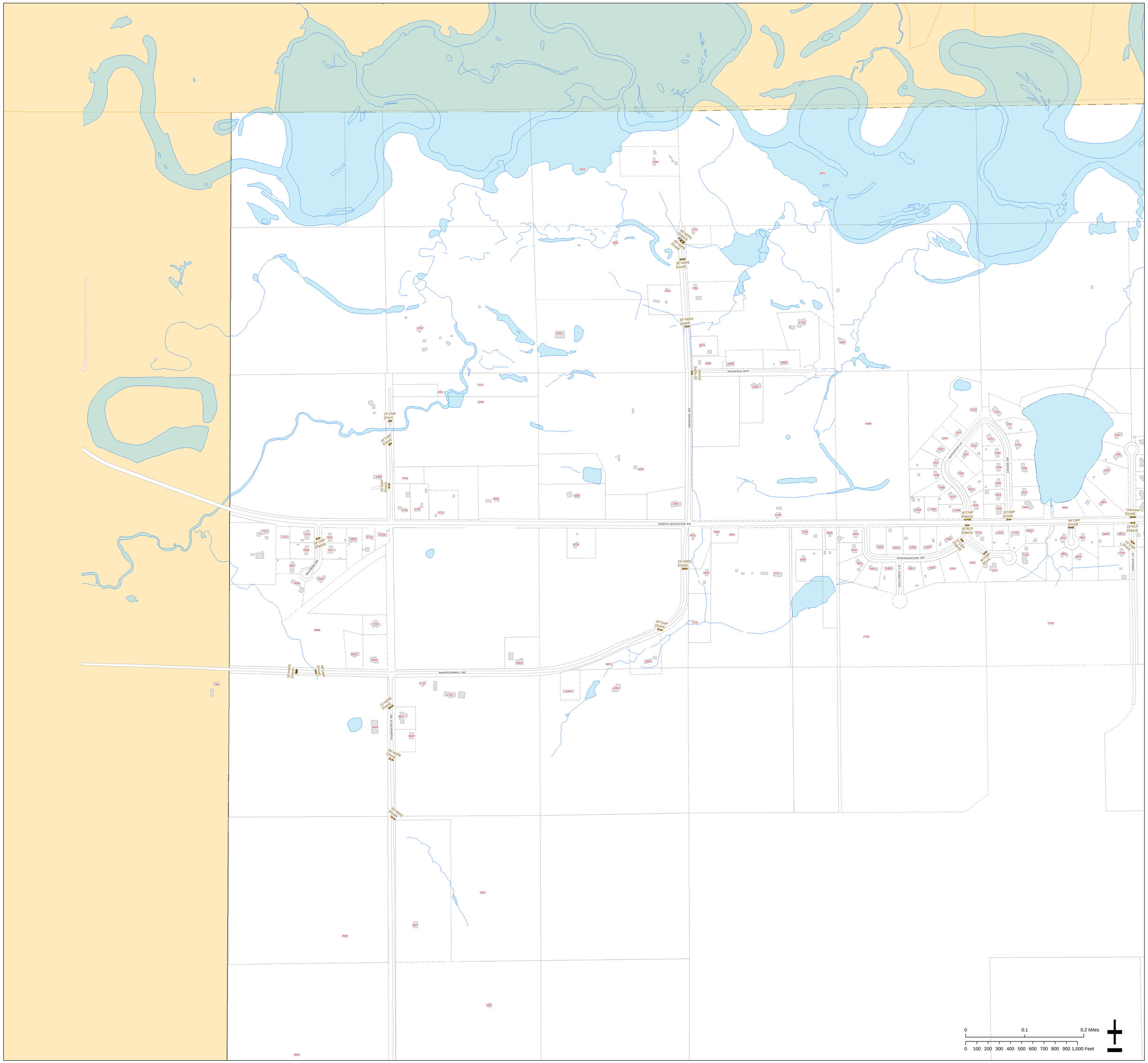

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Legend

- Catch Basin
- Curb Inlet
- Endwall
- Manhole
- Outfall
- Outlet Control Structure

Field-Located Storm Sewer

Culvert, 8", 10", 12", 14", 15", 18", 19"x30", 21", 24", 27", 29"x45", 30", 32", 34"x53", 36", 38"x60", 42", 48", 60", 72", Unknown

Digitized Storm Sewer (from plans)

8", 12", 15", 18", 19' x 30", 21", 24", 27", 29" x 45", 30", 34" x 53", 38" x 60", 42", 48", 60", 72", Unknown

- Storm Cleanout
- Storm Inlet
- Junction
- Storm Manhole
- Area Drains

Stormwater Plan (2017)

- Dry Pond
- Infiltration Basin
- Underground/Infiltration Basin
- Wet Pond
- Wet Pond (Shallow)

Swale within Urban Area

- Slope <4%
- Slope >4%
- Subwatershed

TOWN OF RIB MOUNTAIN STORM SEWER SYSTEM

Section

A1

Map Printed 3/8/2018

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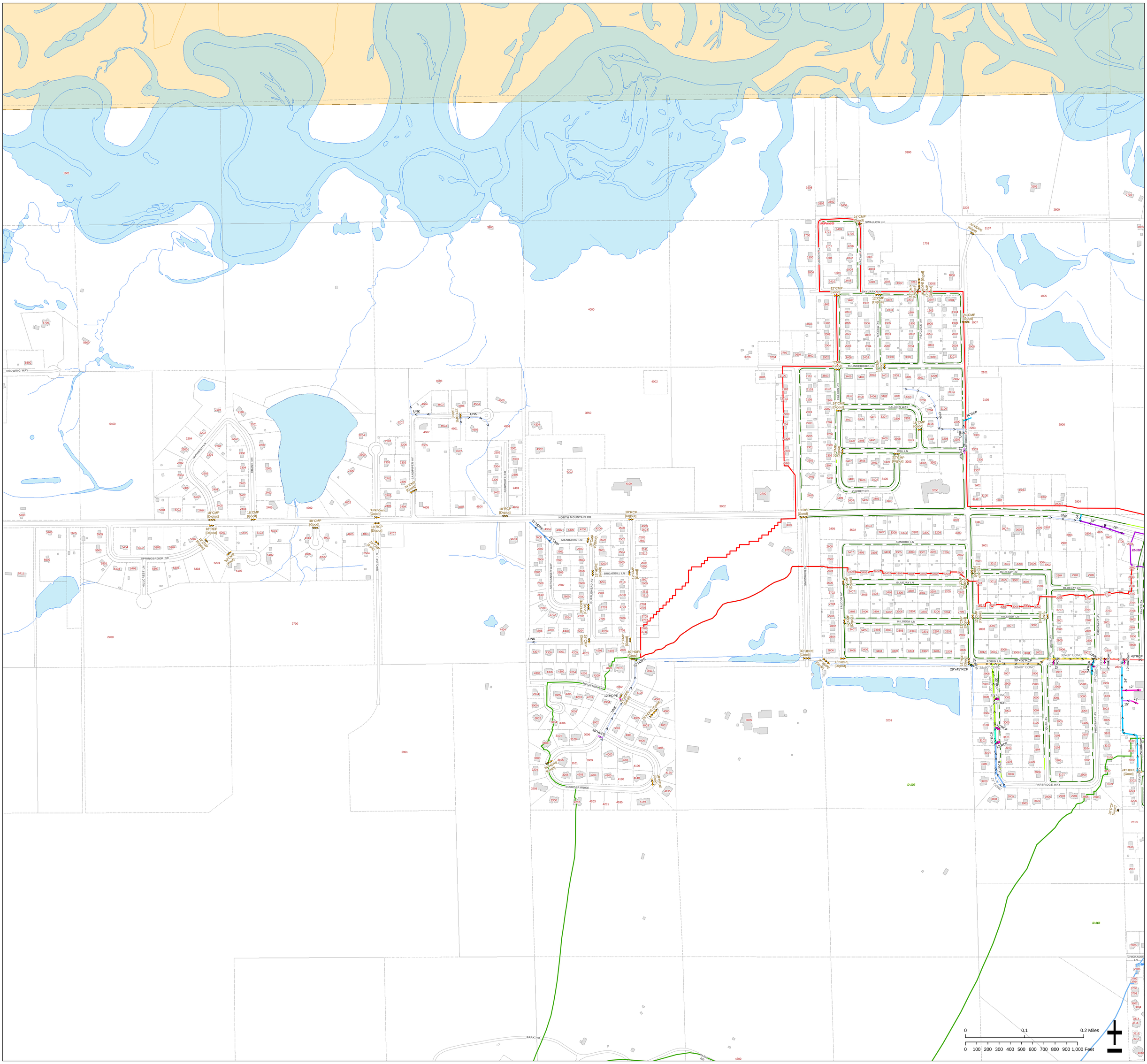

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Legend

- Catch Basin
- Curb Inlet
- Endwall
- Manhole
- Outfall
- Outlet Control Structure

Field-Located Storm Sewer

- Culvert
- 8"
- 10"
- 12"
- 14"
- 15"
- 18"
- 19"x30"
- 21"
- 24"
- 27"
- 29"x45"
- 30"
- 32"
- 34"x53"
- 36"
- 38"x60"
- 42"
- 48"
- 60"
- 72"
- Unknown

Digitized Storm Sewer (from plans)

- 8"
- 12"
- 15"
- 18"
- 19' x 30"
- 21"
- 24"
- 27"
- 29" x 45"
- 30"
- 34" x 53"
- 38" x 60"
- 42"
- 48"
- 60"
- 72"
- Unknown

- Storm Cleanout
- Storm Inlet
- Storm Manhole
- Area Drains

Stormwater Plan (2017)

- Dry Pond
- Infiltration Basin
- Underground/Infiltration Basin
- Wet Pond
- Wet Pond (Shallow)

Swale within Urban Area

- Slope <4%
- Slope >4%
- Subwatershed

TOWN OF RIB MOUNTAIN STORM SEWER SYSTEM

Section

A2

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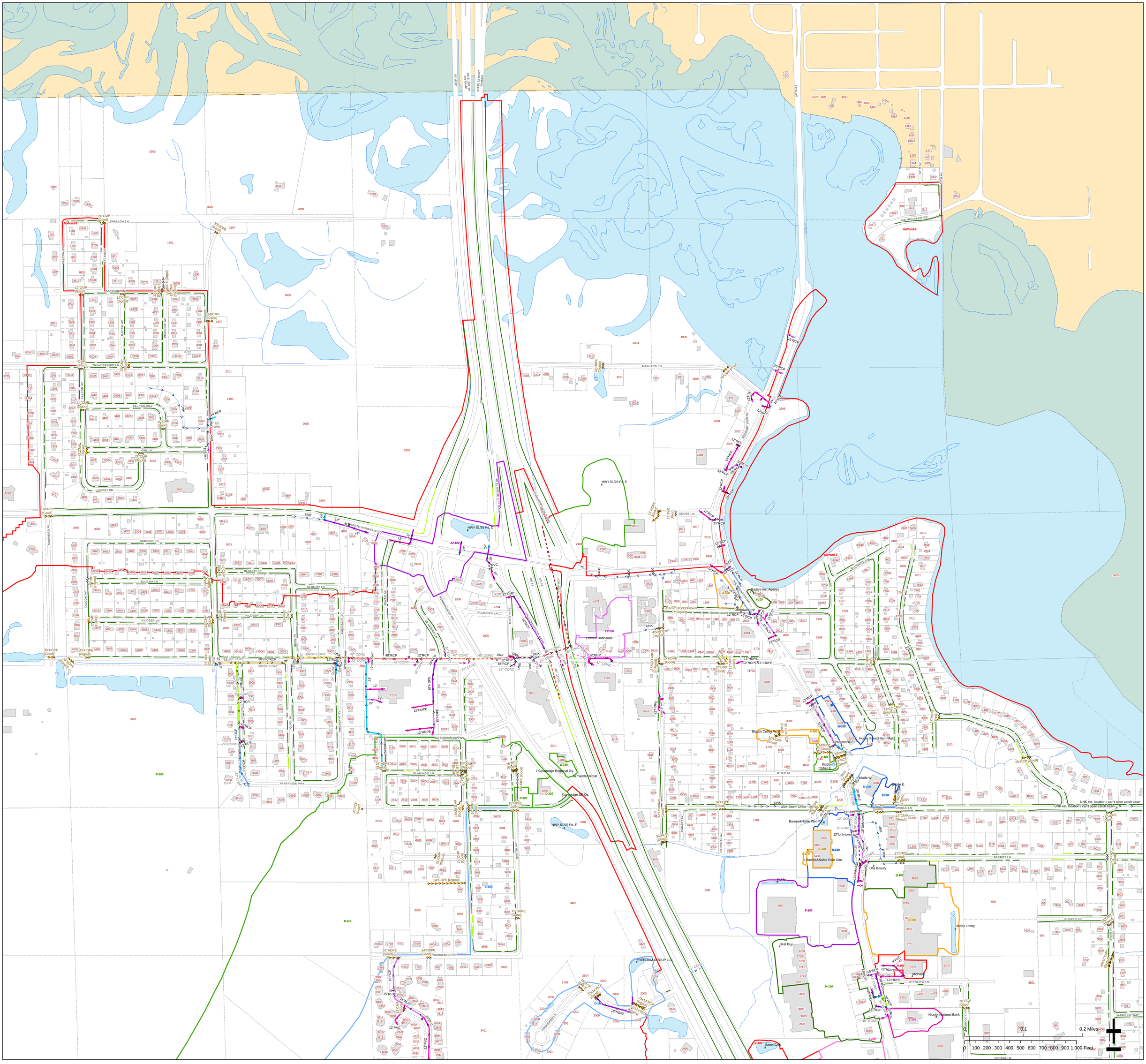

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Legend

- Catch Basin
- Curb Inlet
- Endwall
- Manhole
- Outfall
- Outlet Control Structure

Field-Located Storm Sewer

- Culvert
- 8"
- 10"
- 12"
- 14"
- 15"
- 18"
- 19"x30"
- 21"
- 24"
- 27"
- 29"x45"
- 30"
- 32"
- 34"x53"
- 36"
- 38"x60"
- 42"
- 48"
- 60"
- 72"
- Unknown

Digitized Storm Sewer (from plans)

- 8"
- 12"
- 15"
- 18"
- 19' x 30"
- 21"
- 24"
- 27"
- 29" x 45"
- 30"
- 34" x 53"
- 38" x 60"
- 42"
- 48"
- 60"
- 72"
- Unknown

- Storm Cleanout
- Storm Inlet
- Junction
- Storm Manhole
- Area Drains

Stormwater Plan (2017)

- Dry Pond
- Infiltration Basin
- Underground/Infiltration Basin
- Wet Pond
- Wet Pond (Shallow)

Swale within Urban Area

- Slope <4%
- Slope >4%
- Subwatershed

TOWN OF RIB MOUNTAIN STORM SEWER SYSTEM

Section

A3

Map Printed 3/8/2018

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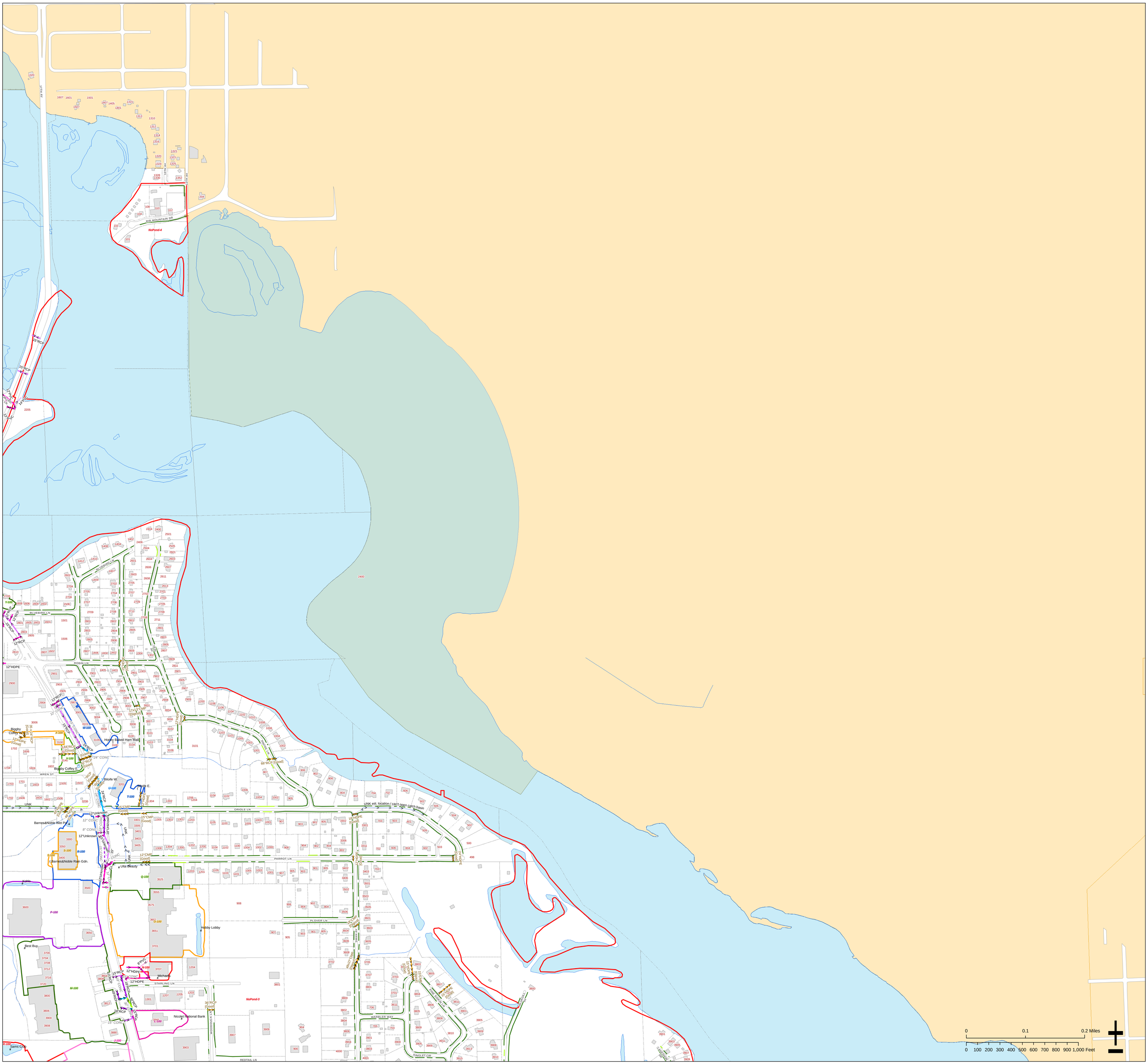

Prepared by:

mi-TECH

www.mi-tech.us

Legend

- Catch Basin
- Curb Inlet
- Endwall
- Manhole
- Outfall
- Outlet Control Structure

Field-Located Storm Sewer

Culvert; 8"; 10"; 12"; 14"; 15"; 18"; 19"x30"; 21"; 24"; 27"; 29"x45"; 30"; 32"; 34"x53"; 36"; 38"x60"; 42"; 48"; 60"; 72"; Unknown

Digitized Storm Sewer (from plans)

8"; 12"; 15"; 18"; 19' x 30"; 21"; 24"; 27"; 29" x 45"; 30"; 34" x 53"; 38" x 60"; 42"; 48"; 60"; 72"; Unknown

- Storm Cleanout
- Storm Inlet
- Junction
- Storm Manhole
- Area Drains

Stormwater Plan (2017)

- Dry Pond
- Infiltration Basin
- Underground/Infiltration Basin
- Wet Pond
- Wet Pond (Shallow)

Swale within Urban Area

- Slope <4%
- Slope >4%
- Subwatershed

TOWN OF RIB MOUNTAIN STORM SEWER SYSTEM

Section

A4

Map Printed 3/8/2018

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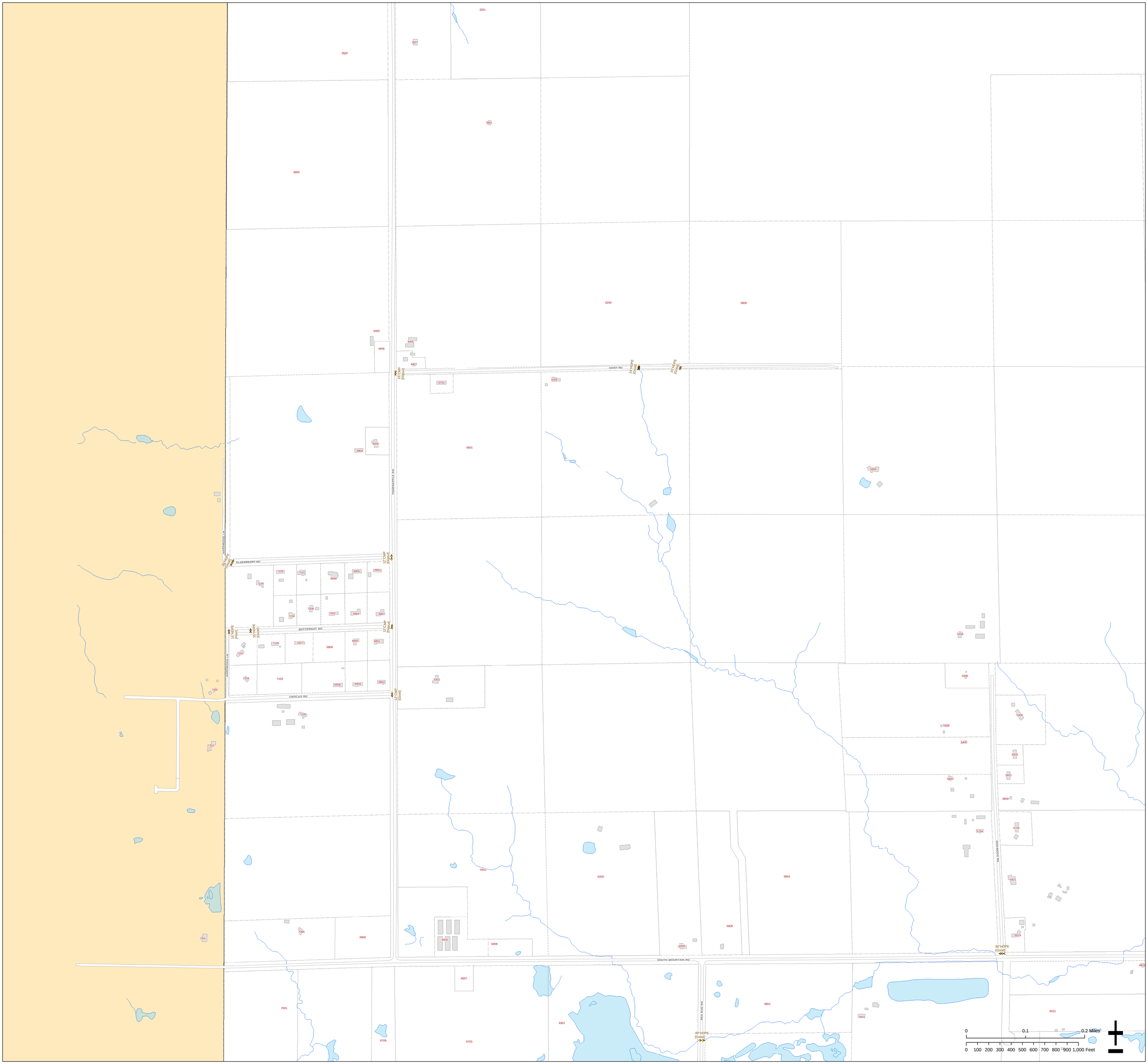

Prepared by:

mi-TECH

www.mi-tech.us

Legend

- Catch Basin
- Curb Inlet
- Endwall
- Manhole
- Outfall
- Outlet Control Structure

Field-Located Storm Sewer

- Culvert
- 8"
- 10"
- 12"
- 14"
- 15"
- 18"
- 19"x30"
- 21"
- 24"
- 27"
- 29"x45"
- 30"
- 32"
- 34"x53"
- 36"
- 38"x60"
- 42"
- 48"
- 60"
- 72"
- Unknown

Digitized Storm Sewer (from plans)

- 8"
- 12"
- 15"
- 18"
- 19' x 30"
- 21"
- 24"
- 27"
- 29" x 45"
- 30"
- 34" x 53"
- 38" x 60"
- 42"
- 48"
- 60"
- 72"
- Unknown

- Storm Cleanout
- Storm Inlet
- Junction
- Storm Manhole
- Area Drains

Stormwater Plan (2017)

- Dry Pond
- Infiltration Basin
- Underground/Infiltration Basin
- Wet Pond
- Wet Pond (Shallow)

Swale within Urban Area

- Slope <4%
- Slope >4%
- Subwatershed

TOWN OF RIB MOUNTAIN STORM SEWER SYSTEM

Section

B1

Map Printed 3/8/2018

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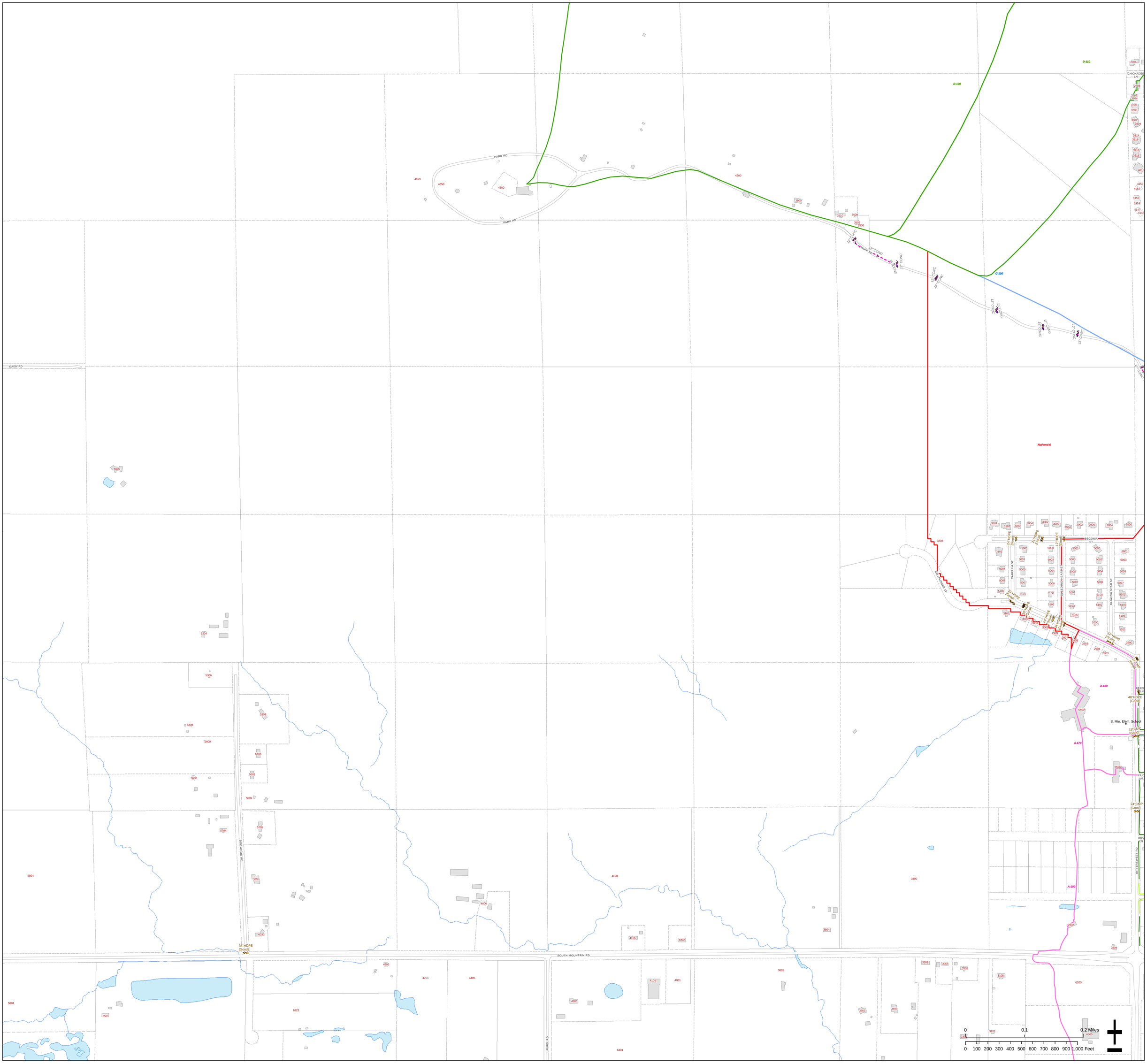

Prepared by:

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Legend

- Catch Basin
- Curb Inlet
- Endwall
- Manhole
- Outfall
- Outlet Control Structure

Field-Located Storm Sewer

Culvert; 8"; 10"; 12"; 14"; 15"; 18"; 19"x30"; 21"; 24"; 27"; 29"x45"; 30"; 32"; 34"x53"; 36"; 38"x60"; 42"; 48"; 60"; 72"; Unknown

Digitized Storm Sewer (from plans)

8"; 12"; 15"; 18"; 19' x 30"; 21"; 24"; 27"; 29" x 45"; 30"; 34" x 53"; 38" x 60"; 42"; 48"; 60"; 72"; Unknown

- Storm Cleanout
- Storm Inlet
- Junction
- Storm Manhole
- Area Drains

Stormwater Plan (2017)

- Dry Pond
- Infiltration Basin
- Underground/Infiltration Basin
- Wet Pond
- Wet Pond (Shallow)

Swale within Urban Area

Slope <4%

Slope >4%

Subwatershed

TOWN OF RIB MOUNTAIN STORM SEWER SYSTEM

Section

B2

Map Printed 3/8/2018

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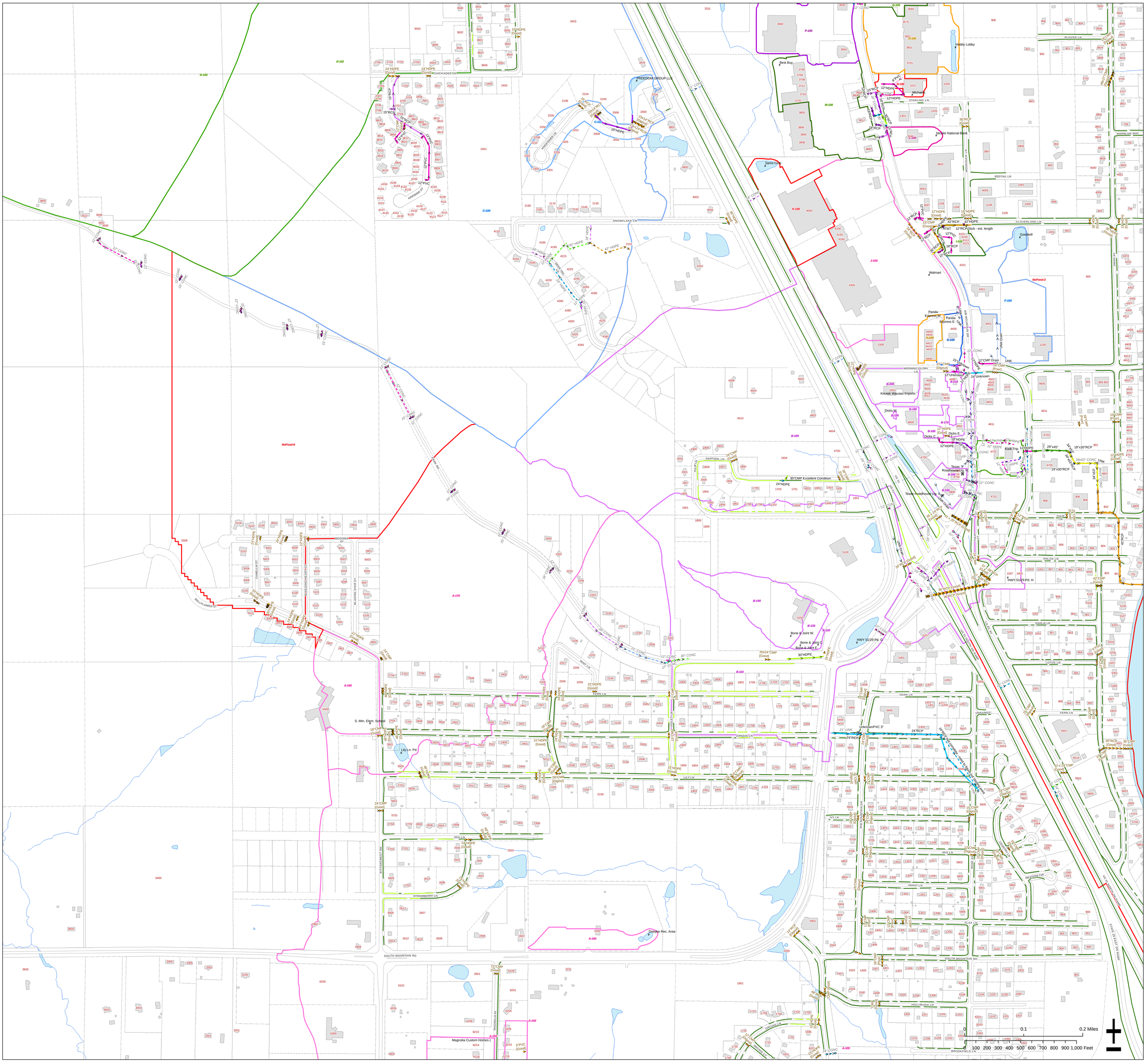

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Legend

- Catch Basin
- Curb Inlet
- Endwall
- Manhole
- Outfall
- Outlet Control Structure

Field-Located Storm Sewer

Culvert; 8"; 10"; 12"; 14"; 15"; 18"; 19"x30"; 21"; 24"; 27"; 29"x45"; 30"; 32"; 34"x53"; 36"; 38"x60"; 42"; 48"; 60"; 72"; Unknown

Digitized Storm Sewer (from plans)

8"; 12"; 15"; 18"; 19' x 30"; 21"; 24"; 27"; 29' x 45"; 30"; 34" x 53"; 38" x 60"; 42"; 48"; 60"; 72"; Unknown

- Storm Cleanout
- Storm Inlet
- Junction
- Storm Manhole
- Area Drains

Stormwater Plan (2017)

- Dry Pond
- Infiltration Basin
- Underground/Infiltration Basin
- Wet Pond
- Wet Pond (Shallow)

Swale within Urban Area

- Slope <4%
- Slope >4%
- Subwatershed

TOWN OF RIB MOUNTAIN STORM SEWER SYSTEM

Section

B3

Map Printed 3/8/2018

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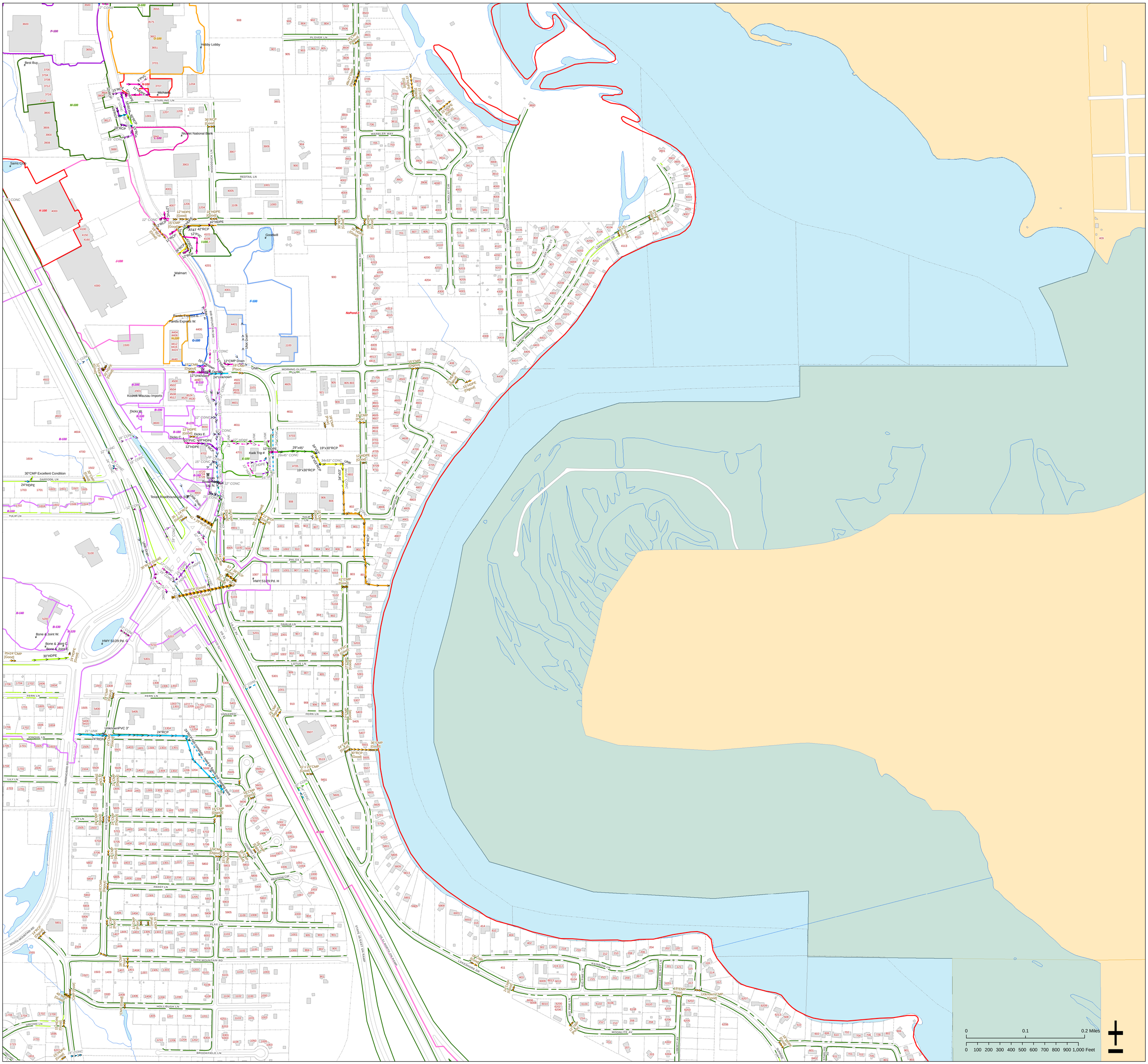

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Legend

- Catch Basin
- Curb Inlet
- Endwall
- Manhole
- Outfall
- Outlet Control Structure

Field-Located Storm Sewer

- Culvert
- 8"
- 10"
- 12"
- 14"
- 15"
- 18"
- 19"x30"
- 21"
- 24"
- 27"
- 29"x45"
- 30"
- 32"
- 34"x53"
- 36"
- 38"x60"
- 42"
- 48"
- 60"
- 72"
- Unknown

Digitized Storm Sewer (from plans)

- 8"
- 12"
- 15"
- 18"
- 19' x 30"
- 21"
- 24"
- 27"
- 29' x 45"
- 30"
- 34" x 53"
- 38" x 60"
- 42"
- 48"
- 60"
- 72"
- Unknown

- Storm Cleanout
- Storm Inlet
- Junction
- Storm Manhole
- Area Drains

Stormwater Plan (2017)

- Dry Pond
- Infiltration Basin
- Underground/Infiltration Basin
- Wet Pond
- Wet Pond (Shallow)

Swale within Urban Area

- Slope <4%
- Slope >4%
- Subwatershed

TOWN OF RIB MOUNTAIN STORM SEWER SYSTEM

Section

B4

Map Printed 3/8/2018

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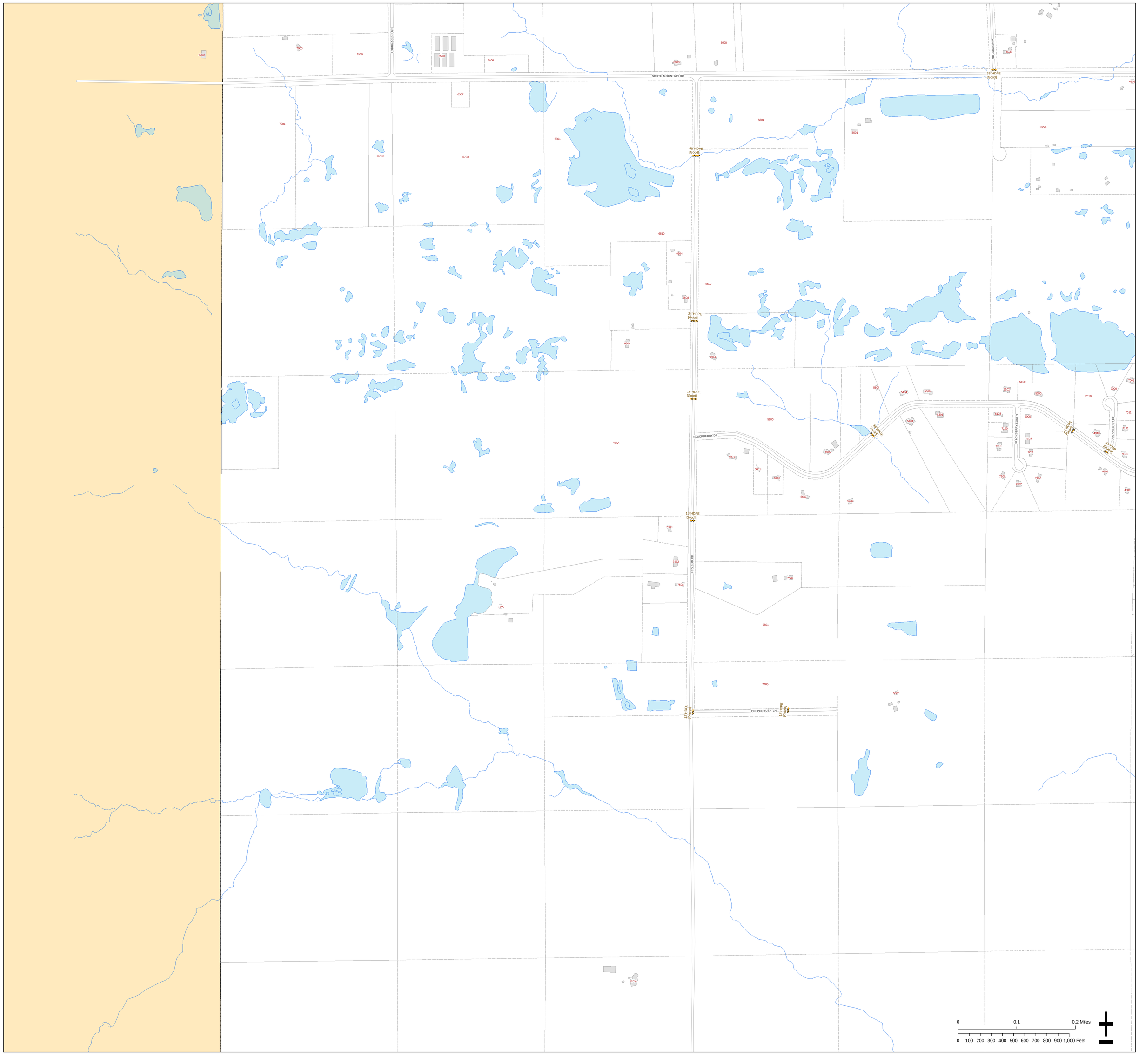

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Legend

- Catch Basin
- Curb Inlet
- Endwall
- Manhole
- Outfall
- Outlet Control Structure

Field-Located Storm Sewer

Culvert, 8", 10", 12", 14", 15", 18", 19"x30", 21", 24", 27", 29"x45", 30", 32", 34"x53", 36", 38"x60", 42", 48", 60", 72", Unknown

Digitized Storm Sewer (from plans)

8", 12", 15", 18", 19' x 30", 21", 24", 27", 29" x 45", 30", 34" x 53", 38" x 60", 42", 48", 60", 72", Unknown

- Storm Cleanout
- Storm Inlet
- Junction
- Storm Manhole
- Area Drains

Stormwater Plan (2017)

- Dry Pond
- Infiltration Basin
- Underground/Infiltration Basin
- Wet Pond
- Wet Pond (Shallow)

Swale within Urban Area

Slope <4%

Slope >4%

Subwatershed

TOWN OF RIB MOUNTAIN STORM SEWER SYSTEM

Section

C1

Map Printed 3/8/2018

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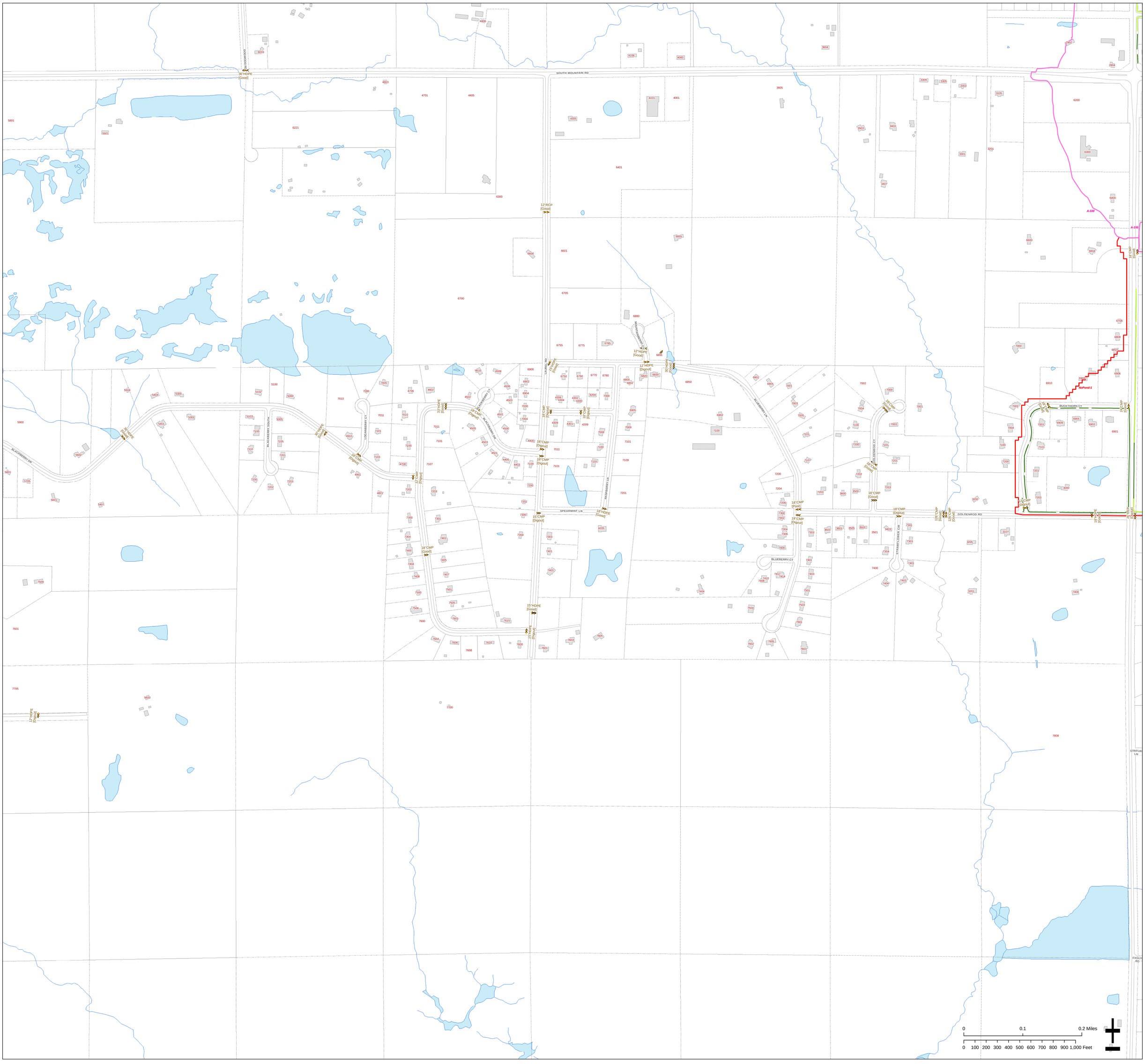

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Legend

- Catch Basin
- Curb Inlet
- Endwall
- Manhole
- Outfall
- Outlet Control Structure

Field-Located Storm Sewer

- Culvert
- 8"
- 10"
- 12"
- 14"
- 15"
- 18"
- 19"x30"
- 21"
- 24"
- 27"
- 29"x45"
- 30"
- 32"
- 34"x53"
- 36"
- 38"x60"
- 42"
- 48"
- 60"
- 72"
- Unknown

Digitized Storm Sewer (from plans)

- 8"
- 12"
- 15"
- 18"
- 19' x 30"
- 21"
- 24"
- 27"
- 29" x 45"
- 30"
- 34" x 53"
- 38" x 60"
- 42"
- 48"
- 60"
- 72"
- Unknown

- Storm Cleanout
- Storm Inlet
- Junction
- Storm Manhole
- Area Drains

Stormwater Plan (2017)

- Dry Pond
- Infiltration Basin
- Underground/Infiltration Basin
- Wet Pond
- Wet Pond (Shallow)

Swale within Urban Area

- Slope <4%
- Slope >4%
- Subwatershed

TOWN OF RIB MOUNTAIN STORM SEWER SYSTEM

Section

C2

Map Printed 3/8/2018

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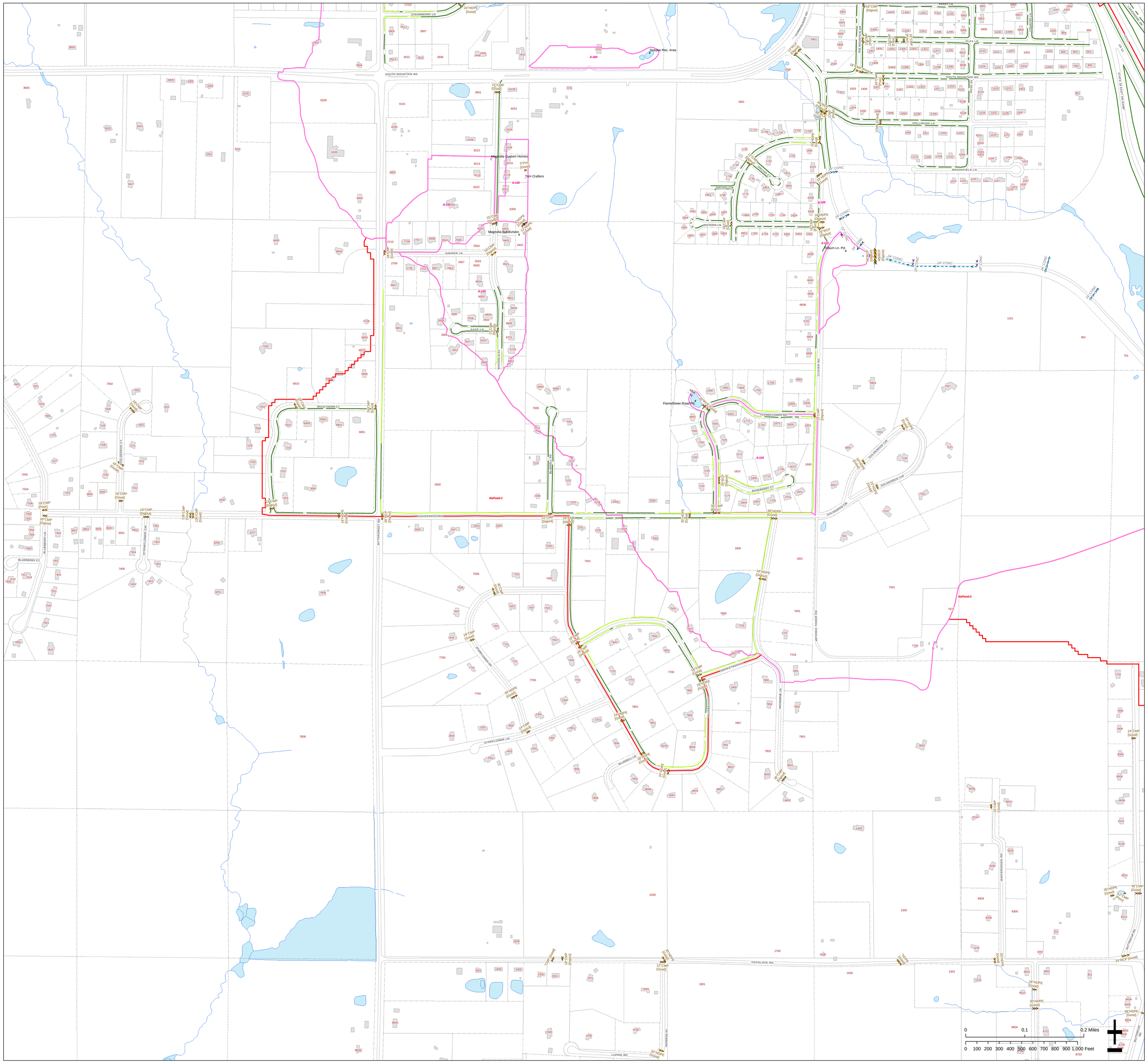

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Legend

- Catch Basin
- Curb Inlet
- Endwall
- Manhole
- Outfall
- Outlet Control Structure

Field-Located Storm Sewer

- Culvert
- 8"
- 10"
- 12"
- 14"
- 15"
- 18"
- 19"x30"
- 21"
- 24"
- 27"
- 29"x45"
- 30"
- 32"
- 34"x53"
- 36"
- 38"x60"
- 42"
- 48"
- 60"
- 72"
- Unknown

Digitized Storm Sewer (from plans)

- 8"
- 12"
- 15"
- 18"
- 19' x 30"
- 21"
- 24"
- 27"
- 29" x 45"
- 30"
- 34" x 53"
- 38" x 60"
- 42"
- 48"
- 60"
- 72"
- Unknown

- Storm Cleanout
- Storm Inlet
- Junction
- Storm Manhole
- Area Drains

Stormwater Plan (2017)

- Dry Pond
- Infiltration Basin
- Underground/Infiltration Basin
- Wet Pond
- Wet Pond (Shallow)

Swale within Urban Area

- Slope <4%
- Slope >4%
- Subwatershed

TOWN OF RIB MOUNTAIN STORM SEWER SYSTEM

Section

C3

Map Printed 3/8/2018

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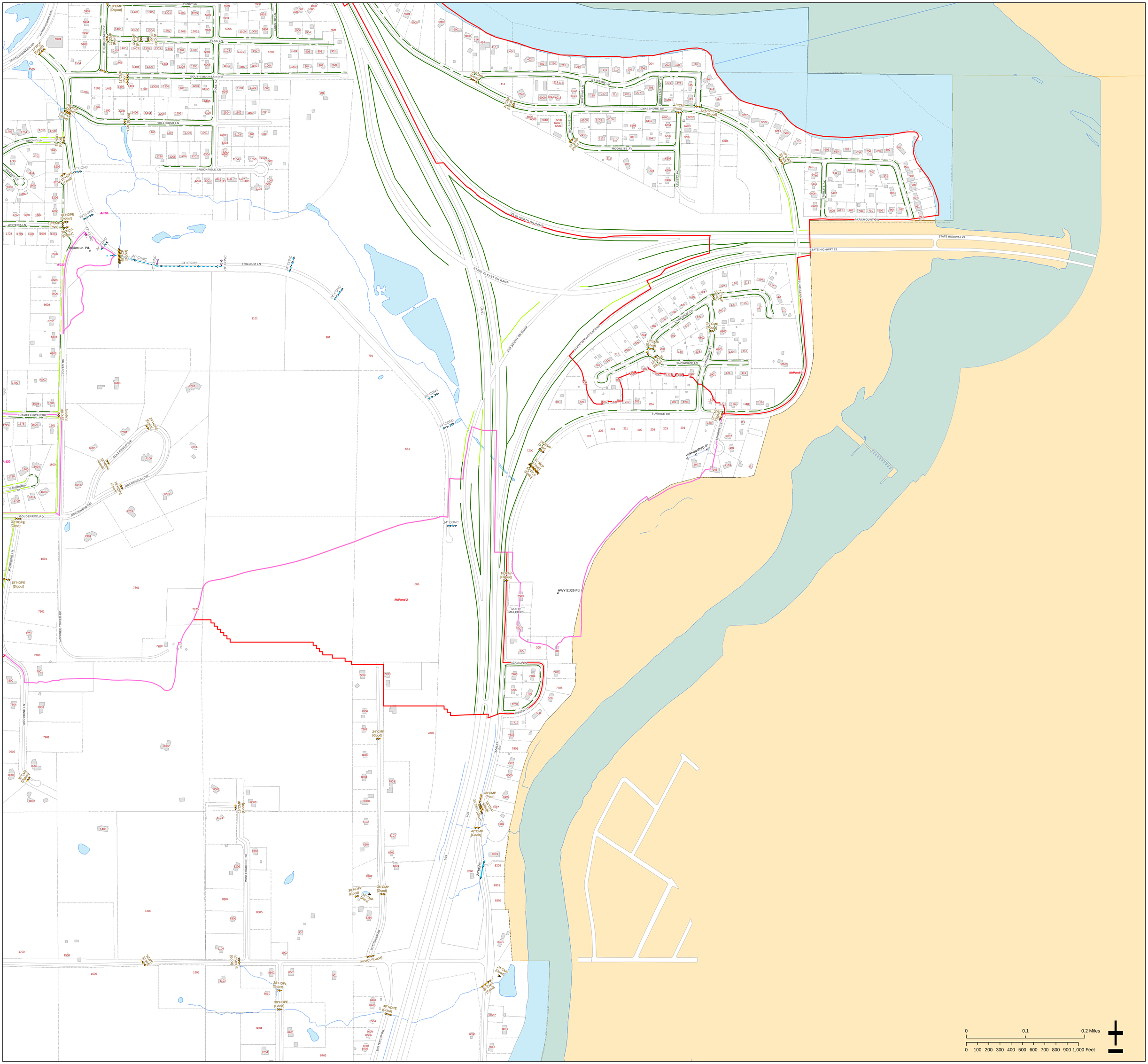

0 0.1 0.2 Miles

0 100 200 300 400 500 600 700 800 900 1,000 Feet

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Legend

- Catch Basin
- Curb Inlet
- Endwall
- Manhole
- Outfall
- Outlet Control Structure

Field-Located Storm Sewer

- Culvert
- 8"
- 10"
- 12"
- 14"
- 15"
- 18"
- 19"x30"
- 21"
- 24"
- 27"
- 29"x45"
- 30"
- 32"
- 34"x53"
- 36"
- 38"x60"
- 42"
- 48"
- 60"
- 72"
- Unknown

Digitized Storm Sewer (from plans)

- 8"
- 12"
- 15"
- 18"
- 19' x 30"
- 21"
- 24"
- 27"
- 29" x 45"
- 30"
- 34" x 53"
- 38" x 60"
- 42"
- 48"
- 60"
- 72"
- Unknown

- Storm Cleanout
- Storm Inlet
- Junction
- Storm Manhole
- Area Drains

Stormwater Plan (2017)

- Dry Pond
- Infiltration Basin
- Underground/Infiltration Basin
- Wet Pond
- Wet Pond (Shallow)

Swale within Urban Area

Slope <4%

Slope >4%

Subwatershed

TOWN OF RIB MOUNTAIN STORM SEWER SYSTEM

Section

C4

Map Printed 3/8/2018

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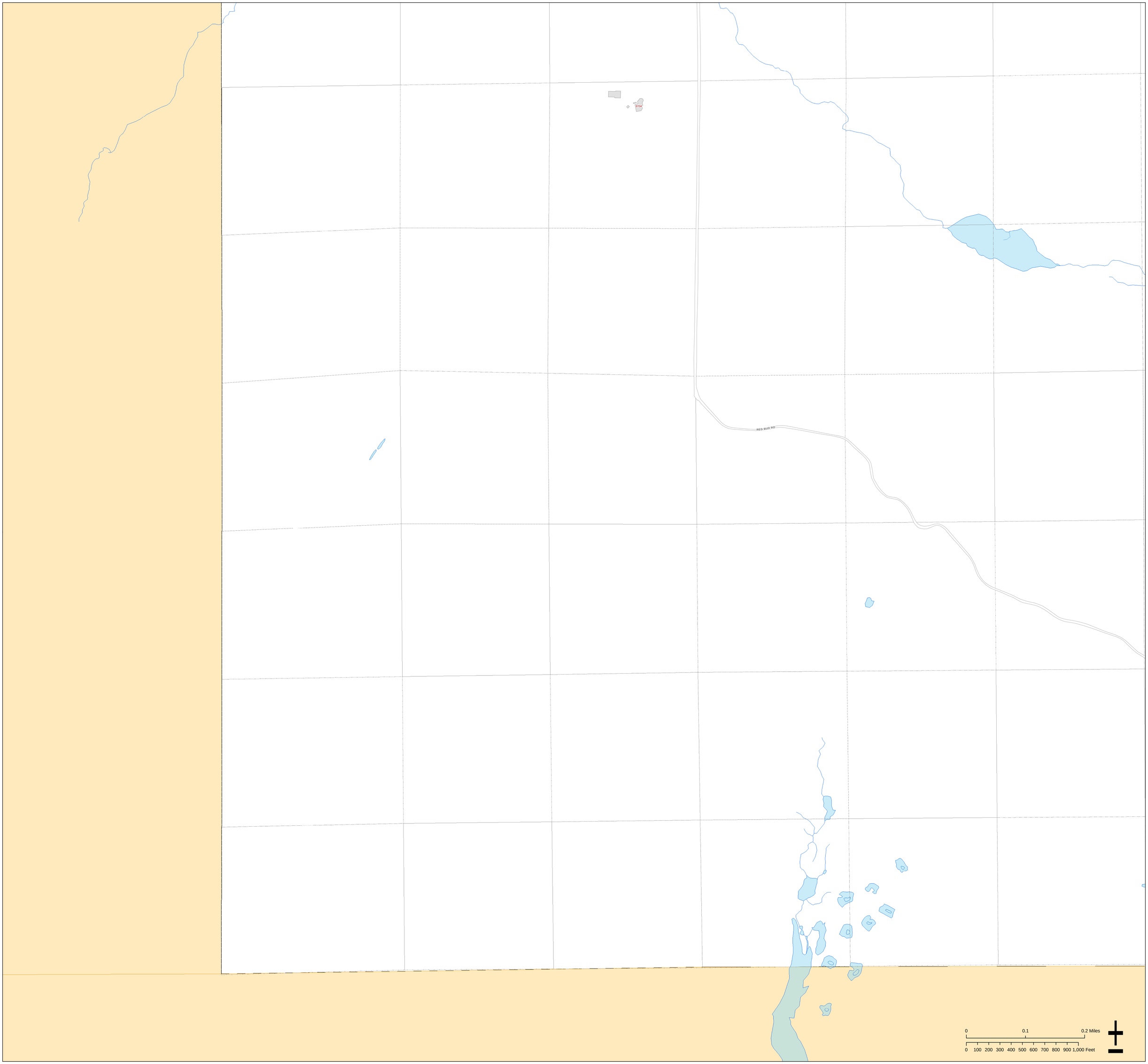

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Legend

- Catch Basin
- Curb Inlet
- Endwall
- Manhole
- Outfall
- Outlet Control Structure

Field-Located Storm Sewer

- Culvert
- 8"
- 10"
- 12"
- 14"
- 15"
- 18"
- 19"x30"
- 21"
- 24"
- 27"
- 29"x45"
- 30"
- 32"
- 34"x53"
- 36"
- 38"x60"
- 42"
- 48"
- 60"
- 72"
- Unknown

Digitized Storm Sewer (from plans)

- 8"
- 12"
- 15"
- 18"
- 19' x 30"
- 21"
- 24"
- 27"
- 29" x 45"
- 30"
- 34" x 53"
- 38" x 60"
- 42"
- 48"
- 60"
- 72"
- Unknown

- Storm Cleanout
- Storm Inlet
- Junction
- Storm Manhole
- Area Drains

Stormwater Plan (2017)

- Dry Pond
- Infiltration Basin
- Underground/Infiltration Basin
- Wet Pond
- Wet Pond (Shallow)

Swale within Urban Area

- Slope <4%
- Slope >4%
- Subwatershed

TOWN OF RIB MOUNTAIN STORM SEWER SYSTEM

Section

D1

Map Printed
3/8/2018

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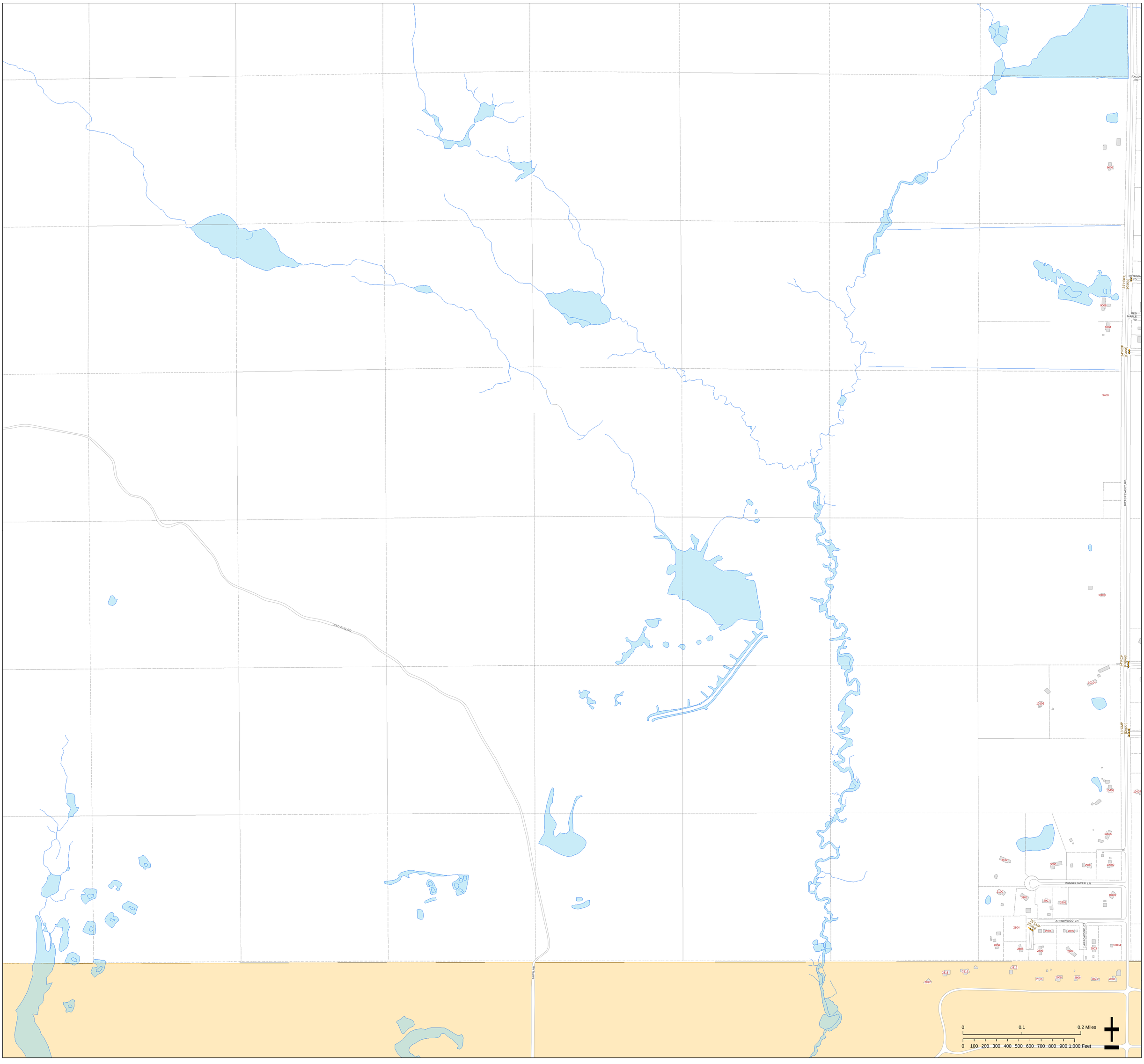

Prepared by:

mi-TECH

www.mi-tech.us

Legend

- Catch Basin
- Curb Inlet
- Endwall
- Manhole
- Outfall
- Outlet Control Structure

Field-Located Storm Sewer

- Culvert
- 8"
- 10"
- 12"
- 14"
- 15"
- 18"
- 19"x30"
- 21"
- 24"
- 27"
- 29"x45"
- 30"
- 32"
- 34"x53"
- 36"
- 38"x60"
- 42"
- 48"
- 60"
- 72"
- Unknown

Digitized Storm Sewer (from plans)

- 8"
- 12"
- 15"
- 18"
- 19' x 30"
- 21"
- 24"
- 27"
- 29" x 45"
- 30"
- 34" x 53"
- 38" x 60"
- 42"
- 48"
- 60"
- 72"
- Unknown

- Storm Cleanout
- Storm Inlet
- Junction
- Storm Manhole
- Area Drains

Stormwater Plan (2017)

- Dry Pond
- Infiltration Basin
- Underground/Infiltration Basin
- Wet Pond
- Wet Pond (Shallow)

Swale within Urban Area

- Slope <4%
- Slope >4%
- Subwatershed

TOWN OF RIB MOUNTAIN STORM SEWER SYSTEM

Section

D2

Map Printed 3/8/2018

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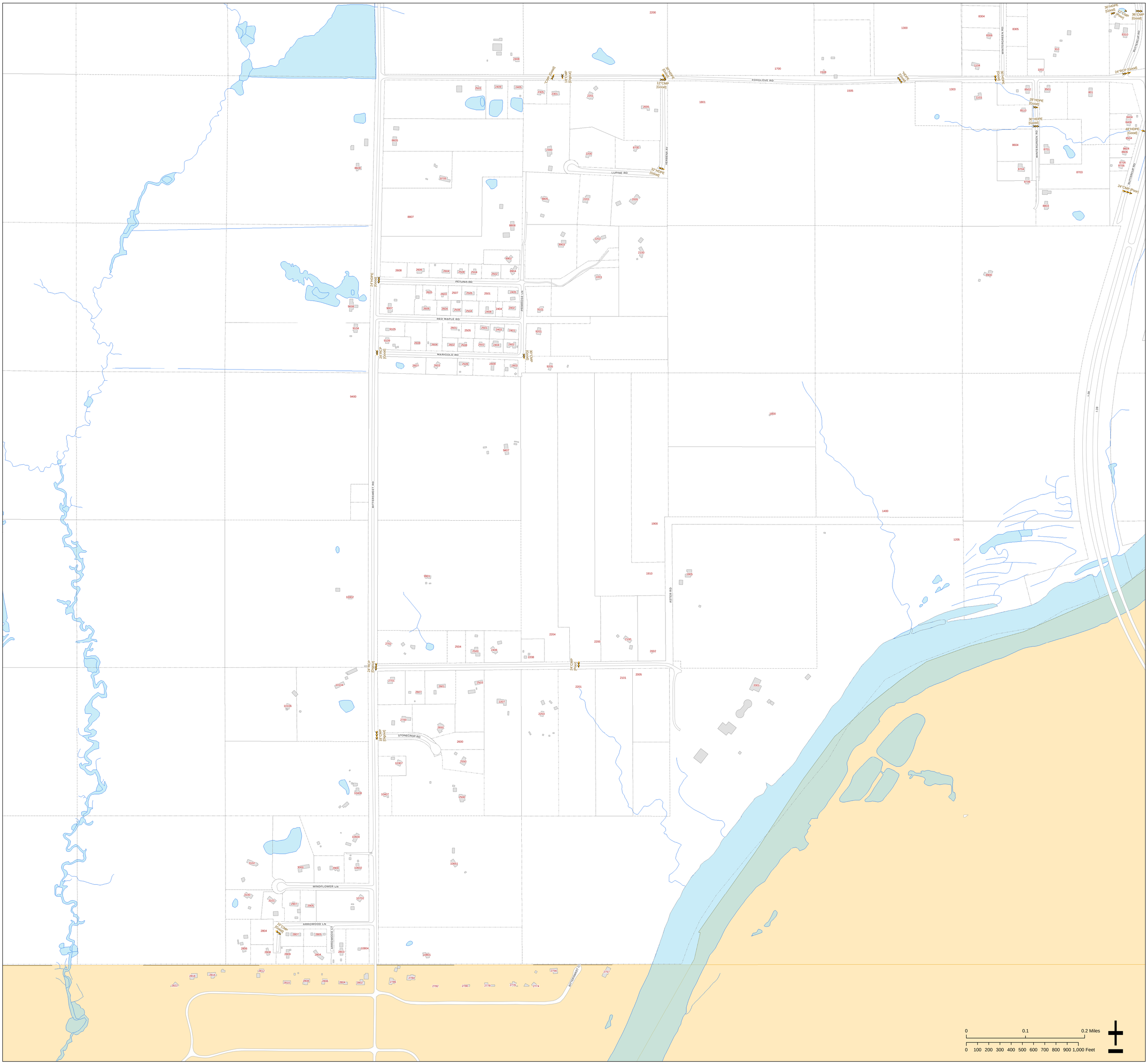

Prepared by:

mi-TECH

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Legend

- Catch Basin
- Curb Inlet
- Endwall
- Manhole
- Outfall
- Outlet Control Structure

Field-Located Storm Sewer

- Culvert
- 8"
- 10"
- 12"
- 14"
- 15"
- 18"
- 19"x30"
- 21"
- 24"
- 27"
- 29"x45"
- 30"
- 32"
- 34"x53"
- 36"
- 38"x60"
- 42"
- 48"
- 60"
- 72"
- Unknown

Digitized Storm Sewer (from plans)

- 8"
- 12"
- 15"
- 18"
- 19' x 30"
- 21"
- 24"
- 27"
- 29" x 45"
- 30"
- 34" x 53"
- 38" x 60"
- 42"
- 48"
- 60"
- 72"
- Unknown

- Storm Cleanout
- Storm Inlet
- Junction
- Storm Manhole
- Area Drains

Stormwater Plan (2017)

- Dry Pond
- Infiltration Basin
- Underground/Infiltration Basin
- Wet Pond
- Wet Pond (Shallow)

Swale within Urban Area

- Slope <4%
- Slope >4%
- Subwatershed

TOWN OF RIB MOUNTAIN STORM SEWER SYSTEM

Section

D3

Map Printed 3/8/2018

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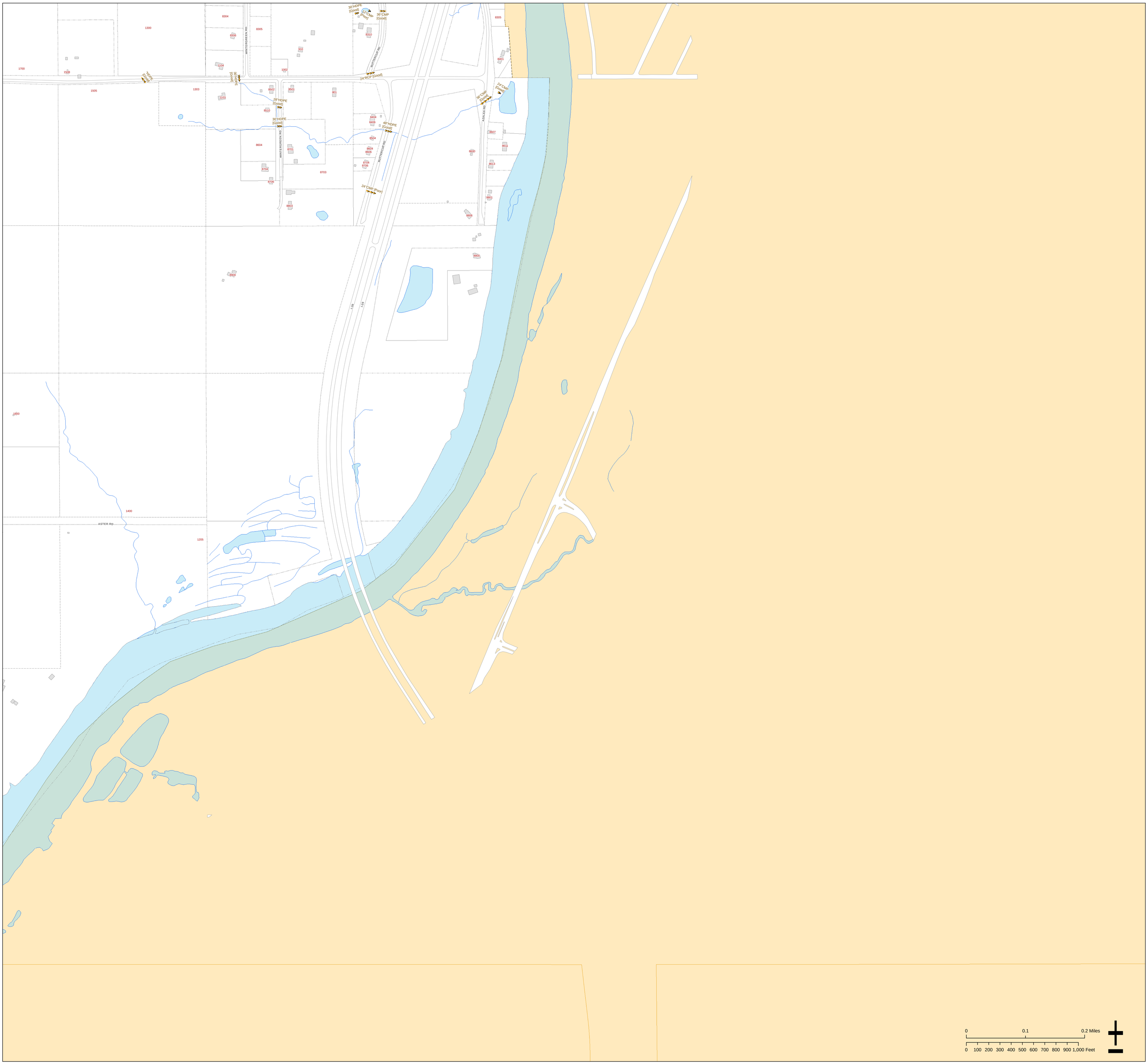

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Legend

- Catch Basin
- Curb Inlet
- Endwall
- Manhole
- Outfall
- Outlet Control Structure

Field-Located Storm Sewer

- Culvert
- 8"
- 10"
- 12"
- 14"
- 15"
- 18"
- 19"x30"
- 21"
- 24"
- 27"
- 29"x45"
- 30"
- 32"
- 34"x53"
- 36"
- 38"x60"
- 42"
- 48"
- 60"
- 72"
- Unknown

Digitized Storm Sewer (from plans)

- 8"
- 12"
- 15"
- 18"
- 19' x 30"
- 21"
- 24"
- 27"
- 29" x 45"
- 30"
- 34" x 53"
- 38" x 60"
- 42"
- 48"
- 60"
- 72"
- Unknown

- Storm Cleanout
- Storm Inlet
- Junction
- Storm Manhole
- Area Drains

Stormwater Plan (2017)

- Dry Pond
- Infiltration Basin
- Underground/Infiltration Basin
- Wet Pond
- Wet Pond (Shallow)

Swale within Urban Area

- Slope <4%
- Slope >4%
- Subwatershed

TOWN OF RIB MOUNTAIN STORM SEWER SYSTEM

Section

D4

Map Printed 3/8/2018

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MEMORANDUM OF AGREEMENT

BETWEEN MARATHON COUNTY, THE CITY OF WAUSAU, THE VILLAGES OF WESTON, KRONENWETTER, AND ROTHSCHILD, AND THE TOWN OF RIB MOUNTAIN

I. PURPOSE

THIS MEMORANDUM OF AGREEMENT is entered into for the purpose of minimizing discharge of pollutants carried by stormwater runoff and to develop and implement a single information and outreach program for all participating municipalities. The Agreement allows the parties to work together on a program that meets permit requirements of Wis. Admin. Code NR 216.

II. TERM OF AGREEMENT

This Agreement shall run January 1, 2020 to December 31, 2026. The terms of the Agreement may be reviewed and amended if necessary. This Agreement may be terminated by any party on thirty (30) days written notice to the group, subject only to the payment of any obligations due to the group under this Agreement up to the point of said termination.

III. APPLICABILITY

The process defined by this MOA addresses the requirements of Section 402 of the Federal Clean Water Act and the Storm Water Discharge Permit Program under Wis. Admin. Code NR 216. Through the Wisconsin Pollutant Discharge Elimination System (WPDES) permit program, the DNR regulates municipal, industrial, and animal waste operations discharging water to surface or groundwaters.

IV. SUMMARY OF THE PERMIT PARTNERSHIP PROCESS

Each of the participating municipalities and Marathon County will hold a municipal separate storm sewer system (MS4) permit. Marathon County will be responsible for achieving and maintaining compliance of its MS4 eligible facilities within each community.

V. PROGRAM SUMMARY

The program is designed to fulfill the permit requirements 1-9 as defined in of Wis. Admin. Code NR 216.07 as efficiently and effectively as possible through intergovernmental cooperation.

VI. ALLOCATION OF RESPONSIBILITY

For and in consideration of the terms and conditions in this Memorandum of Agreement, Marathon County and the participating municipalities have the following responsibilities:

1. **PUBLIC EDUCATION AND OUTREACH**

   Marathon County will:

   - Coordinate the development and updates of the Wausau Urban Area Stormwater Education and Outreach Plan and future plan updates at no cost to the municipalities;
   - Coordinate the implementation of the Wausau Urban Area Stormwater Education and Outreach Plan.

   The municipalities will:

   - Appoint one representative to the Northcentral Wisconsin Stormwater Coalition;

- Contribute towards costs of development, reproduction and distribution of educational materials (each community will contribute an equal share of the cost);
- Make available rooms for public informational meetings as necessary.

2. PUBLIC INVOLVEMENT AND PARTICIPATION

Marathon County will:

- Develop and maintain a stormwater management website at no cost to the municipalities;
- Public notice all meetings of the Northcentral Wisconsin Stormwater Coalition and any public informational meetings hosted by Marathon County.

The municipalities will:

- Public notice all meetings hosted by the municipality;
- Contribute towards costs of public notices, meetings, and other public involvement and participation activities (each community will contribute an equal share of the cost).

3. ILLICIT DISCHARGE DETECTION AND ELIMINATION

Marathon County will:

- Assist the participating municipalities to develop and update as necessary, municipal illicit discharge ordinances in accordance with NR 216;
- Comply with municipal illicit discharge ordinances as they apply to MS4 eligible County facilities;
- Pay actual sampling and field screening costs of outfalls serving county owned facilities;
- Follow appropriate procedures to eliminate illicit discharges as defined by Wisconsin Department of Natural Resources regulations or other sources of non-storm water on MS4 eligible County facilities.

The municipalities will:

- Adopt and update as necessary, a municipal illicit discharge ordinance;
- Conduct field screening analysis for illicit connections and discharges at all municipal and county outfalls within their respective MS4 boundaries;
- Follow the procedures to eliminate illicit discharges as defined by Wisconsin Department of Natural Resources regulations or other sources of non-storm water on municipal facilities.

4. CONSTRUCTION SITE POLLUTION CONTROL

Marathon County will:

- Assist the participating municipalities to develop and update as necessary, municipal construction site erosion control ordinances in accordance with NR 216;
- Comply with municipal construction site erosion control ordinance as they apply to MS4 eligible County facilities as defined in NR 216.

The municipalities will:

- Adopt and update as necessary, a municipal construction site erosion control ordinance.

5. **POST-CONSTRUCTION SITE STORM WATER MANAGEMENT**

Marathon County will:

- Work with the participating municipalities to develop and update as necessary, post construction storm water management ordinances in accordance with NR 216;
- Comply with municipal post construction storm water management ordinance as they apply to MS4 eligible County facilities as defined in NR 216.

The municipalities will:

- Adopt and update as necessary, a municipal post construction storm water management ordinance.

6. **POLLUTION PREVENTION**

Marathon County will perform the following tasks on MS-4 eligible county owned facilities to the specifications of the individual municipalities in which the facilities exist:

- Install and maintain source area controls and regional best management practices;
- Roadway maintenance including street sweeping and de-icer management;
- Collection and management of leaf and grass clippings;
- Management of county garages, storage areas and other potential sources of pollution;
- Management of the application of lawn and garden fertilizers on county controlled properties in accordance with s. NR 151.13 (1) (b) 3;
- Implement inspection, surveillance and monitoring procedures necessary to determine compliance and noncompliance with municipal permit conditions;
- Conduct an assessment of the actions taken using a pollutant loading analysis model (SLAMM).

The municipalities will perform the following tasks on municipal facilities:

- Install and maintain source area controls and regional best management practices;
- Roadway maintenance including street sweeping and de-icer management;
- Collection and management of leaf and grass clippings;
- Management of municipal garages, storage areas and other municipal sources of pollution;
- Management of the application of lawn and garden fertilizers on municipal controlled properties in accordance with s. NR 151.13 (1) (b) 3;
- Implement inspection, surveillance and monitoring procedures necessary to determine compliance and noncompliance with permit conditions;
- Conduct assessments of the actions taken using a pollutant loading analysis model (SLAMM) on municipal MS4 facilities within their respective MS4 boundaries.

7. **STORM SEWER SYSTEM MAP**

Marathon County will:

- Identify and map MS-4 eligible county owned facilities and outfalls as defined in NR 216;
- Provide the municipalities with geographical data of county owned MS-4 eligible facilities and outfalls.

The municipalities will:

- Identify and map municipal facilities and outfalls;

- Include and identify (label) county owned facilities and outfalls in required storm sewer system map.

8. ANNUAL REPORT

Marathon County will:

- Coordinate the development of standardized yearly reporting by the municipalities.

The municipalities will:

- Include and identify (label) county owned facilities and outfalls in required yearly reporting.

Town of Rib Mountain MS4 Minimum Control Measures 2019

Public Education and Outreach

Public Involvement and Participation (Annual Report, Storm Water Management Program & Storm Water Policies/Ordinances). This should include community's Annual Volunteer Activity.

No.	Topic Area		Description			
1	**Illicit Discharge Detection and Elimination**		Promote detection and elimination of illicit discharges and water quality impacts associated with such discharges from municipal separate storm sewer systems.			
Active Passive	Date	Description	Quantity	Estimated People	Audience	Regional Effort
A	Oct-19	Street and Park Superintendent trained Public Works staff on identifying possible illicit discharge in Town ditches and storm sewers.	1	8	government employees	No

No.	Topic Area		Description			
2	**Household Hazardous Waste Disposal / Pet Waste Management / Vehicle Washing**		Inform and educate the public about the proper management of materials that may cause storm water pollution from sources including automobiles, pet waste, household hazardous waste and household practices.			
Active Passive	Date	Description	Quantity	Estimated People	Audience	Regional Effort
A	May-19	Staff Spring Training discussing protection of storm water inlets during construction and at Town facilities	1	8	Public Employees	No
P	Apr-19	Rubber Ducky Commercials during Earth Week, 1 week campaign on WAOW, WSAW and WZAW.	10+	1,000+	General public	yes

Town of Rib Mountain MS4 Minimum Control Measures 2019

Public Education and Outreach

Public Involvement and Participation (Annual Report, Storm Water Management Program & Storm Water Policies/Ordinances). This should include community's Annual Volunteer Activity.

No.	Topic Area		Description			
3	**Yard Waste Management / Pesticide and Fertilizer Application**		Promote beneficial onsite reuse of leaves and grass clippings and proper use of lawn and garden fertilizers and pesticides.			
Active Passive	Date	Description	Quantity	Estimated People	Audience	Regional Effort
P	Jun-19	Town quarterly News Letter- Stormwater Management Article; fertilizer use, yard waste site - composting	1	5,000	Town Residents	No

No.	Topic Area		Description			
4	**Stream and Shoreline Management**		Promote the management of streambanks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways.			
Active Passive	Date	Description	Quantity	Estimated People	Audience	Regional Effort

Town of Rib Mountain MS4 Minimum Control Measures 2019

Public Education and Outreach

Public Involvement and Participation (Annual Report, Storm Water Management Program & Storm Water Policies/Ordinances). This should include community's Annual Volunteer Activity.

No.	Topic Area		Description			
5	**Residential Infiltration**		Promote infiltration of residential storm water runoff from rooftop downspouts, driveways and sidewalks			
Active Passive	Date	Description	Quantity	Estimated People	Audience	Regional Effort
A	Aug-19	No Farms - No Food T shirts and presentation by UW Extension	1	100+	General Public	Yes
P	Jun-19	Town quarterly News Letter- Stormwater Management Article; Infiltration, Wash cars in the lawn, rain gardens, rain barrels, animals waste, Pick up litter, Don't dump anything into storm sewers or ditches, fertilizer use	1	5,000	Town Residents	No

No.	Topic Area		Description			
6	**Construction Sites and PostConstruction Storm Water Management**		Inform and educate those responsible for the design, installation, and maintenance of construction site erosion control practices and storm water management facilities on how to design, install and maintain the practices.			
Active Passive	Date	Description	Quantity	Estimated People	Audience	Regional Effort
A	2019	Town staff met with Residential Contractors to review proper site erosion control measures	6+	20	Contractors	No
P	2019	Printed and Distributed Construction Site Erosion Control Field Guides	1	100+	public employees and contractors	Yes

Town of Rib Mountain MS4 Minimum Control Measures 2019

Public Education and Outreach

Public Involvement and Participation (Annual Report, Storm Water Management Program & Storm Water Policies/Ordinances). This should include community's Annual Volunteer Activity.

No.	Topic Area		Description			
7	**Pollution Prevention**		Identify businesses and activities that may pose a storm water contamination concern, and educate those specific audiences on methods of storm water pollution prevention.			
Active Passive	Date	Description	Quantity	Estimated People	Audience	Regional Effort
A	May-19	Wisconsin River Cleanup Sponsorship and presentation at the welcome event	1	300	General public	Yes
A	Oct-19	Cub Scout Tour - approximately 100 scouts and parents toured highway shop to learn about winter maintenance and the salt reduction strategies the Department is utilizing.	1	100	General public	Yes

No.	Topic Area		Description			
8	**Green Infrastructure / Low Impact Development**		Promote environmentally sensitive land development designs by developers and designers, including green infrastructure and low impact development.			
Active Passive	Date	Description	Quantity	Estimated People	Audience	Regional Effort